Spis treści

Oznaczenie typu jednostki napędowej

Oznaczenie typu motoreduktora opisuje konstrukcję jednostki napędowej zaczynając od strony wału wyjściowego.

1. Reduktor

Oznaczenie reduktora obejmuje typ , wielkość i liczbę stopni zębatych

Typ reduktora :
- G – Walcowy
- F – Walcowy z wałem drążonym
- S – Walcowo - ślimakowy
- K – Walcowo - stożkowy

n.p. G23 oznacza reduktor walcowy, wielkość 2, 3 - stopniowy

2. Reduktory – Wyposażenie opcjonalne

Reduktor typ G:
- A – Wykonanie na łapach
- C – Wykonanie z dużym kołnierzem
- E – Łapy- mocowane kołnierzowo

Reduktor typ F:
- A – Wykonanie z wałem drążonym
- B – Wykonanie z wałem drążonym
- C – Wykonanie z dużym kołnierzem
- D – Wersja nasadowa + powierzchnie boczne
- E – Wersja kołnierzowa + powierzchnie boczne
- S – Wał drążony w pierścieniem zaciskowym
- V – Wał wyjściowy pełny z wpustem pryzmatycznym
- G - Amortyzatory gumowe

Reduktory S, K:
- A – Wykonanie na łapach
- B – Wykonanie z wałem drążonym
- C – Wykonanie z dużym kołnierzem
- D – Wersja nasadowa + powierzchnia z łapami
- E – Wersja kołnierzowa + powierzchnia z łapami
- S – Wał drążony w pierścieniem zaciskowym
- V – Wał wyjściowy pełny z wpustem pryzmatycznym
- T1 – Ramię przenoszące moment obrotowy

3. Silnik elektryczny / Wejście reduktora

Oznaczenie silnika elektrycznego zawiera typ silnika , jego wielkość i liczbę biegunów
n.p. DL90L4 oznacza silnik typ : DL, wielkość mechaniczna 90L, 4- biegunowy

Jednostki napędowe bez silnika elektrycznego posiadają ozaczenie wejścia reduktora
- -W – Wykonanie reduktorowe z wałkiem szybkoobrotowym
- -M IEC... – Adapter dla silnika wg. norm ICE, w … podana jest wielkość obudowy silnika.
- -M NEMA... – Adapter dla silnika NEMA, w … podana jest wielkość obudowy silnika.
- -M S... – Adapter dla silnika serwo, w … podana jest wielkość kołnierza silnika serwo.

4. Silnik elektryczny – Wyposażenie opcjonalne

- B - Hamulec
- BMB – Hamulec z luzownikiem ręcznym
- F - Obce chłodzenie
- I - Enkoder inkrementalny
- TW – Termistor PTC
- TS - Termoprzekaźnik

Przykład :

G23C DL80G4 B TW
Motoreduktory Walcowe G, wielkość 2, 3-stopniowy, Wykonanie z dużym kołnierzem
z silnikiem elektrycznym DL, wielkość 80, 4-biegunowym, wyposażonym w hamulec i termistor PTC

G12A –M IEC71
Motoreduktor walcowy typ G, wielkość 1, 2-stopniowy , wykonanie na łapach
z adapterem kołnierzowym IEC do podłączenia standardowego silnika elktrycznego , wielkość 71, z kołnierzem B5

Dla pełnej identyfikacji motoreduktorów , oznaczenie typu jednostki napędowej musi być uzupełnione o zestaw informacji dodatkowych .

Opis konstrukcji

Dane w tabelach

Pm	Moc znamionowa silnika
T2	Moment znamionowy na wyjściu motoreduktora w pozycji montażowej B3 lub B5 (G) albo H1 (F / S / K)
n1	Obroty na wejściu grzekładni
n2	Obroty na wyjściu przekładni w odniesieniu do obrotów silnika albo do podanych obrotów na wejściu przekładni
cG	Współczynnik bezpieczeństwa
i	Przełożenie przekładni
is	Przełożenie na ślimaku
~kg	Szacunkowy ciężar motoreduktora w pozycji montażowej B3 lub B5 (G) albo H1 (F / S / K)
T2max	Maksymalnie dopuszczalny, ciągły moment przekładni na wyjściu w odniesieniu do cG = 1
T1max	Maksymalnie dopuszczalny, ciągły moment przekładni albo komponentów na wejściu
P1max	Maksymalnie dopuszczalna, ciągła moc przekładni w odniesieniu do cG = 1
η	Sprawność

Uwagi dotyczące wymiarów na rysunkach

Jeżeli nie zaznaczono inaczej , należy przyjąć następujące tolerancje wymiarowe :
Wnios osi wału wolnoobrotowego
<250mm: -0.5mm ≥250mm: -1mm
Tolerancje wykonania wałków
Średnica ≤50mm: ISO k6 Średnica >50mm: ISO m6
Kołnierze – Tolerancja zamka
Zamek≤230mm: ISO j6 Zamek>230mm: ISO h6
Wymiary kB oraz hL dotyczą motoreduktorów z hamulcami .

Sprawność przekładni

W motoreduktorach walcowych G, płaskich F i stożkowych K sprawność przekładni w zależności od liczby stopni przełożeń kształtuje się pomiędzy 0,94 (3 stopniowa) i 0,96 (2 stopniowa)
Sprawność motoreduktorów ślimakowych S jest uzależniona od przełożenia użytego ślimaka, liczby obrotów na wejściu przekładni i jej temperatury.
Sprawność motoreduktorów ślimakowych jest podana w tabelach doboru przekładni.
Sprawność powrotna w motoreduktorach ślimakowych S jest znacznie mniej przychylna niż sprawność przednia. W niektórych przypadkach możliwe jest wystąpienie samohamowności.
W pewnych pozycjach montażowych przekładnie są prawie do końca wypełnione olejem smarującym. W przypadku wysokich obrotów na wejściu możliwa jest redukcja sprawności przekładni przez straty spowodowane chlapaniem.

Sprawność reduktorów walcowo-ślimakowych

Nowe motoreduktory walcowo-ślimakowe wymagają dotarcia na początku eksploatacji . Dwukrotne uruchomienie powoduje dotarcie zespołu ślimakowego i wzrost sprawności o około 6%. Całkowite obciążenie jest zalecane po 24 godzinach pracy . Nominalną sprawność jednostka napędowa osiąga jeżeli :
- reduktor jest całkowicie dotarty ,
- napęd pracuje w normalnej temperaturze otoczenia ,
- jest napełniony zalecanym środkiem smarnym ,
- pracuje z nominalnym obciążeniem .

Motoreduktory o bardzo wysokich przełożeniach

Z powodu bardzo wysokich przełożeń motoreduktory te generują duże momenty obrotowe . Podczas doboru jednostki napędowej proszę uwzględnić fakt , że obciążenie nie może nigdy przekroczyć właściwego dla niej maksymalnego momentu obrotowego .

Opis konstrukcji

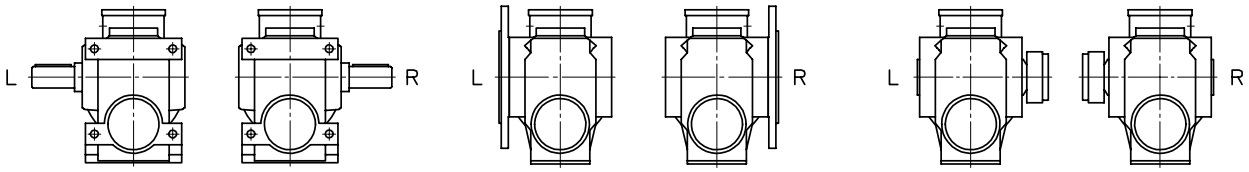
Kolory

Kolory	Opis	Całkowita grubość warstwy ~µm	Warunki zastosowania
Standard	1x Gruntowanie przez zanurzenie 1x 1 składnikowy lakier pokrywający 1)	60-80	Normalne warunki otoczenia do temperatury obudowy 120°C relat. Wilgotno+* powietrza <90%
C1	1x Gruntowanie przez zanurzenie 1x 2 składnikowa warstwa gruntowa 1x 2 składnikowy lakier pokrywający 1)	110-140	Średnio obciążające warunki otoczenia do temperatury obudowy 120°C relat. Wilgotno+* powietrza <95%
C2	1x Gruntowanie przez zanurzenie 2x 2 składnikowa warstwa gruntowa 2x 2 składnikowy lakier pokrywający 1)	190-240	Mocno obciążające warunki otoczenia do temperatury obudowy 120°C relat. Wilgotno+* powietrza ..100%

1) Kolor standardowy RAL7031 szaroniebieski
Odmienne kolory dostępne na zamówienie.

W przypadku pracy motoreduktorów przy podwyższonym zanieczyszczeniu środowiska mogą dodatkowo wybrane zostać następujące opcje:
Pyło i wodoszczelność IP65 dla silników normalnych i z hamulcem
Wał wyjściowy z nierdzewnej stali

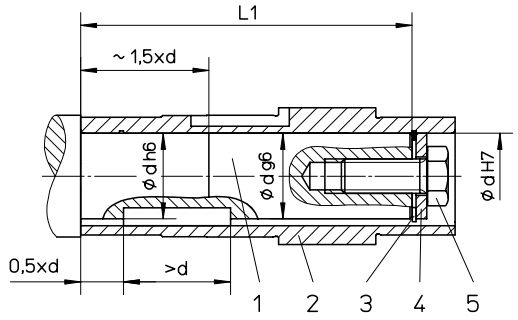
Strona przyłączeniowa napędu



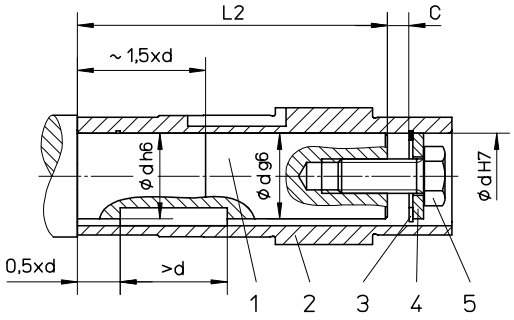
Położenie strony przyłączeniowej napędu musi być podane w przypadku motoreduktorów Walcowo-Ślimakowych i Walcowo-Stożkowych wyposażonych w kołnierz , wał stały lub pierścień zaciskowy .
Standard: Położenie strony przyłączeniowej R

Opis konstrukcji

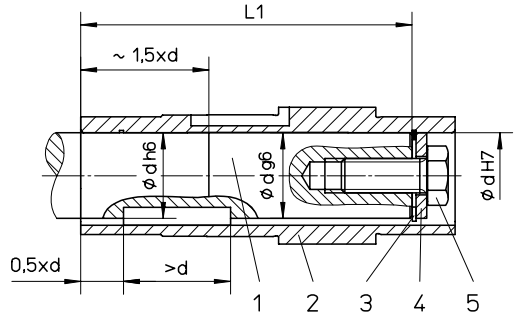
Montaż / demontaż reduktora z wałem drążonym



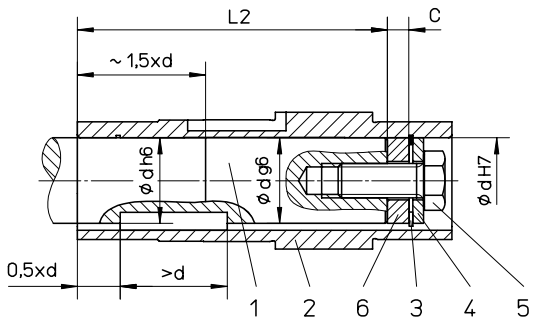
Montaż na wale z pierścieniem oporowym
Długość wału klienta: L1-1mm



Montaż na wale z pierścieniem oporowym
Demontaż możliwy z nakrętką z blokadą przekręcenia
Długość wału klienta: L2



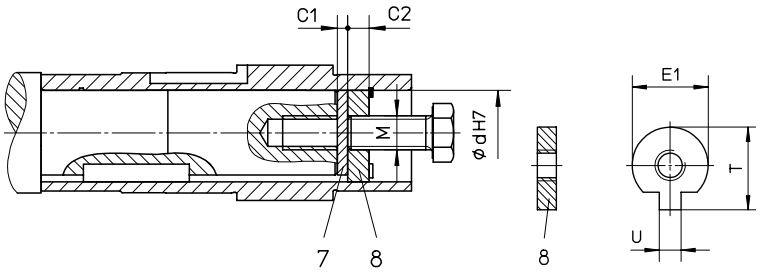
Montaż na wale bez pierścienia oporowego
Długość wału klienta: L1



Montaż na wale bez pierścienia oporowego
Demontaż możliwy z nakrętką z blokadą przekręcenia
Długość wału klienta: L2

Reduktor	d	L1	L2	C	C1	C2	E1	M	T	U
S0	20	76	64	12	5	6	19.7	M6	22.5	5.5
S1	25	105	89	16	5	10	24.7	M10	28	7.5
S2, F3, K3	30	132	116	16	5	10	29.7	M10	33	7.5
S2, F3, K3	35	132	116	16	5	10	34.7	M12	38	9.5
S3, F4, K4	40	155	137	18	5	12	39.7	M16	43	11.5
S4, F5, K5	50	185	167	18	5	12	49.7	M16	53.5	13.5
F6, K6	60	210	188	22	5	16	59.7	M20	64	17.5
F7, K7	70	270	248	22	5	16	69.7	M20	74.5	19.5
K8	90	315	289	26	5	20	89.7	M24	95	24.5

1 Wał maszyny napędzanej
2 Wał drążony
3 Pierścień osadczy DIN 472
4 Podkładka
5 Śruba z łbem sześciokątnym DIN 933
6 Tulejka dystansowa
7 Podkładka
8 Nakrętka z blokadą przekręcenia



Dobór jednostki napędowej

Warunki doboru

Podczas doboru jednostki napędowej należy spełnić następujące warunki :

	T2	[Nm]	Moment obrotowy motoreduktora (patrz tabela doboru)
T2 ≥ TA	TA	[Nm]	Moment obrotowy wywołany przez maszynę napędzaną
cG ≥ fB	cG		Współczynnik wytrzymałości kół zębatych (patrz tabela doboru)
	fB		Współczynnik pracy maszyny napędzanej

Na wybór motoreduktora mogą dodatkowo wpłynąć następujące czynniki:

- Sposób i względny czas pracy silnika
- Oddziaływanie sił na wał wyjściowy
- Temperatura otoczenia i wysokość montażowa
- Czynniki środowiska otoczenia

W przypadku bardziej skomplikowanych aplikacji prosimy konsultować się z producentem .

Współczynnik pracy fB

Faktor eksploatacji maszyny uzależniony jest od stopnia uderzeń, średniego czasu pracy/dzień i średniej liczby przełączeń/godzinę. Stopień uderzeń wynika z faktoru przyspieszania mas maszyny.

$$FJ = \frac{Jred}{Jmot}$$

FJ	Współczynnik rozruchowy
Jred	Suma momentów bezwładności zredukowanych na wale silnika
Jmot	Moment bezwładności silnika elektrycznego

Stopień obciążenia	FJ	Czas pracy godz./dobę	Ilość włączeń na godzinę			
			< 10	10 ... 100	100 ... 200	> 200
I - obciążenie równomierne	0 … 0.2	< 8	0.8	1.0	1.2	1.3
		8 ... 16	1.0	1.2	1.3	1.4
		16 ... 24	1.2	1.3	1.4	1.5
II - umiarkowane skoki obciążenia	0.2 … 3	< 8	1.1	1.3	1.4	1.5
		8 ... 16	1.3	1.4	1.5	1.7
		16 ... 24	1.5	1.6	1.7	1.8
III - ciężkie warunki pracy	3 … 10	< 8	1.4	1.6	1.7	1.8
		8 ... 16	1.6	1.7	1.8	2.0
		16 ... 24	1.8	1.9	2.0	2.1

Siła promieniowa na wale zdawczym

$$F_R = \frac{M_{ab} \cdot 2000}{d_0} \cdot f_z$$

Element napędzany	fz	Uwagi
Koła zębate	1.1	< 17 zębów
Koła łańcuchowe	1.4	< 13 zębów
	1.2	< 20 zębów
Koła pasów klinowych	1.7	Należy uwzględnić napięcie wstępne przekładni pasowej
Koła pasowe – pasy płaskie	2.5	Należy uwzględnić napięcie wstępne przekładni pasowej

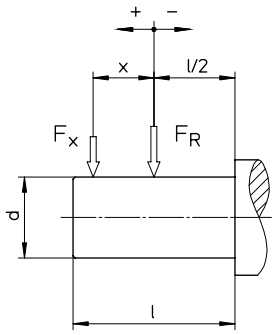
F_R	[N]	Siła promieniowa na wale zdawczym
Mab	[Nm]	Moment obrotowy motoreduktora (tabela doboru)
d0	[mm]	Efektywna średnica napędzanego elementu
fz		Współczynnik zwielokrotnienia (patrz tabela)

Obliczona siła promieniowa nie może przekroczyć dopuszczalnej siły promieniowej właściwej dla danej jednostki napędowej.

Dopuszczalne siły promieniowe na wale wyjściowym

W przypadku gdy, na wale wyjściowym przekładni występują siły promieniowe powinny on zostać porównane z wartościami dopuszczalnymi.
Tabele z dopuszczalnymi wartościami sił promieniowych dotyczą następujących warunków pracy:

- przekładnia z wałem pełnym i normalnym zakończeniem wału
- równomiernie rozłożone obciążenie podczas pracy ciągłej
- obciążenie siłą promieniową występuje w połowie wału z przyjęciem najbardziej niekorzystnego kierunku działania siły
- brak siły osiowej



Dobór jednostki napędowej

W przypadku gdy, oddziaływanie siły promieniowej nie występuje na środku wału, potrzebne jest posłużenie się następującymi formułkami do obliczenia dopuszczalnej siły promieniowej:

$$F_{Rx1} = F_{R1} \cdot \frac{1}{1 + \frac{x}{K_1}}$$

$$F_{Rx2} = F_{R2} \cdot \frac{1}{1 + \frac{x}{K_2}}$$

$$F_{Rxp} = \min(F_{Rx1}, F_{Rx2})$$

F_{R1}	[N]	dopuszczalna siła radialna wg żywotności łożyska Oddziaływanie na środku wału (tabela)
F_{R2}	[N]	dopuszczalna siła radialna wg wytrzymałości wału Oddziaływanie na środku wału (tabela)
K1, K2	[mm]	współczynniki stałe (tabela)
x	[mm]	odległość (wartość pozytywna lub negatywna wg rysunku)
F_{Rx1}	[N]	dopuszczalna siła radialna wg żywotności łożyska Oddziaływanie w dowolnym miejscu x
F_{Rx2}	[N]	dopuszczalna siła radialna wg wytrzymałości wału Oddziaływanie w dowolnym miejscu x
F_{Rxp}	[N]	Wartość całkowita dopuszczalnej siły promieniowej Oddziaływanie w dowolnym miejscu x

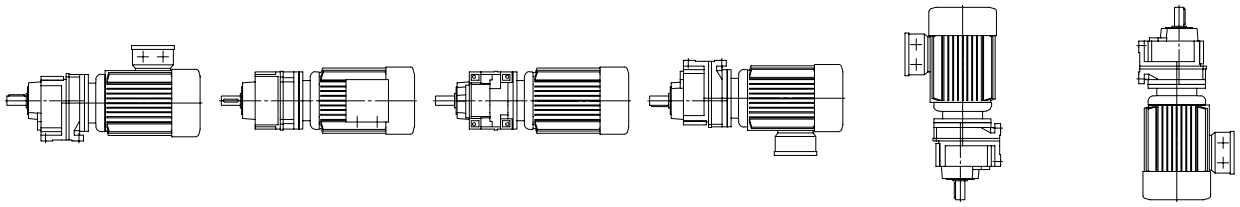
					FR1 [N]							
Reduktor	**Wał wyjściowy dxl [mm]**	**K1 [mm]**	**K2 [mm]**	**FR2 [N]**	**<16 1/min**	**<25 1/min**	**<40 1/min**	**<63 1/min**	**<100 1/min**	**<160 1/min**	**<250 1/min**	**<400 1/min**
G0	20x40	81.5	32.5	2540	2850	2430	1950	1630	1460	1200	1080	950
G1	20x40	90	20	4030	4450	3600	3040	2420	2020	1770	1600	1440
G2	25x50	110.5	25	5900	6000	4920	4180	3410	2860	2440	2240	2040
G3	30x60	132	30	7050	10400	8650	7100	5800	4700	4300	3900	3550
G3	35x70	137	54.5	6760	10000	8330	6840	5600	4530	4140	3760	3420
G4	40x80	159	60.5	11500	16500	13600	11300	9400	7950	6650	6050	5500
G5	50x100	191.5	73.5	17600	21200	17900	14700	12800	10200	9000	8150	7450
G6	60x120	218.5	83.5	24000	27400	22500	19200	16300	14000	12600	11400	10300
G7	75x140	287	97.5	30700	36100	31900	22200	20700	19600	18200	16300	14700
G8	90x170	347.5	117	50000	101000	84500	70000	62000	60500	56000	51000	
F3	30x60	161	30	8000	9600	8050	6250	5150	4350	4250	3900	3600
F3	35x70	166	80	7960	9300	7800	6050	5000	4200	4150	3800	3500
F4	40x80	193.5	40	12700	10100	8000	6250	5800	3900	4200	4000	3800
F5	50x100	234.5	50	18200	15100	12100	9350	7300	5500	5750	5850	5650
F6	60x120	256	60	26200	15700	12800	9350	7750	5350	6550	6700	6700
F7	75x140	313	70	41700	50300	41600	34200	29600	28600	27200	24900	22800
S02A	20x40	91	20	4030	5370	4410	3750	3100	2380	2080	1910	
S02C	20x40	109	20	4030	4490	3680	3130	2590	1980	1740	1590	
S1	25x50	128	25	5830	6400	5470	4170	3430	2510	2470	2230	
S2	30x60	161	30	8000	10500	8060	6700	5730	3170	3530	3230	
S2	35x70	166	80	7960	10200	7820	6500	5560	3080	3430	3130	
S3	40x80	193.5	40	12700	11800	10400	7950	6150	5450	5200	5000	
S4	50x100	234.5	50	18200	16900	15100	10500	8900	8250	7950	7650	
K3	30x60	161	30	8000	9650	7800	6600	5150	4050	3800	3750	3650
K3	35x70	166	80	7960	9350	7550	6400	5000	3900	3700	3650	3550
K4	40x80	193.5	40	12700	10500	8200	6400	4700	3950	3750	3600	3600
K5	50x100	234.5	50	18200	15200	12100	9400	7800	4900	5050	5350	5350
K6	60x120	256	60	26200	15800	12100	8500	5800	4700	5100	5750	
K7	75x140	313	70	41700	49100	42600	36700	33200	27200	25400	24500	
K8	90x170	372.5	85	61000	65700	55200	46700	41000	38900	35600	34900	

Siła promieniowa ustalona z aplikacji nie może przekraczać dopuszczalnej siły promieniowej wybranej przekładni.
Przekładnia może w specjalnych warunkach przyjąć wyższe siły promieniowe.
Brak sił promieniowych oznacza, że dopuszczalna siła osiowa wybranej przekładni jest równa 50% wartości ustalonej siły promieniowej.
W przypadku specjalnych zastosowań gdy, ustalona siła promieniowa jest większa od obliczonych wartości dopuszczalnych albo równocześnie występują siły promieniowe i osiowe prosimy o kontakt z producentem.

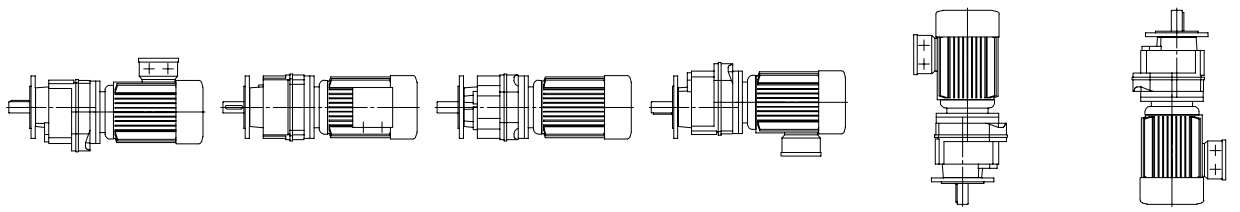
Układy pracy

Motoreduktory Walcowe G

B3 B6 B7 B8 V5 V6

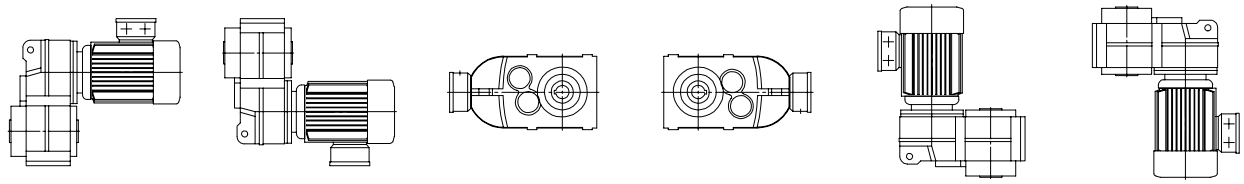


B5 B5/90 B5/270 B5/180 V1 V3



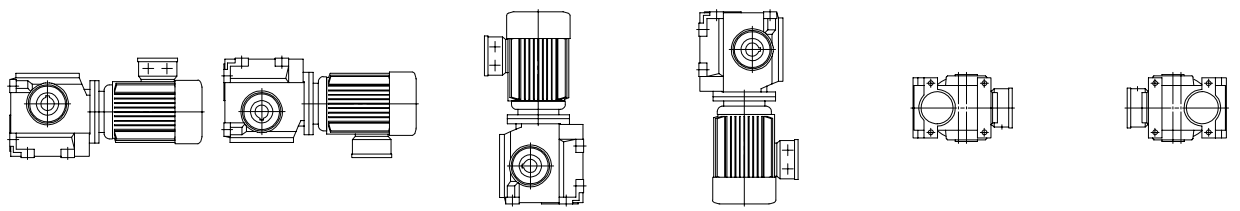
Motoreduktory Walcowe z Wałem Drążonym F

H1 H2 H3 H4 H5 H6



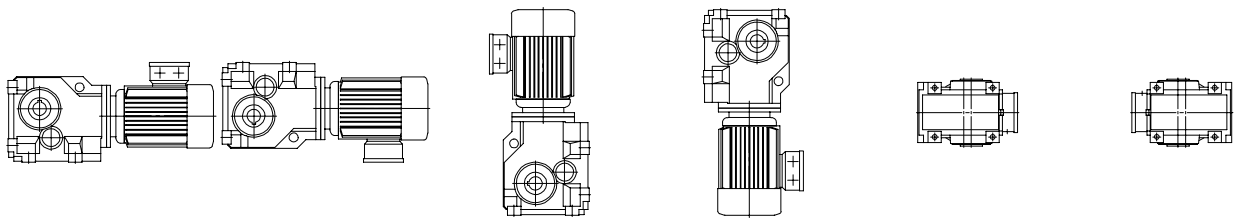
Motoreduktory Walcowo - Ślimakowe S

H1 H2 H3 H4 H5 H6



Motoreduktory Walcowo - Stożkowe K

H1 H2 H3 H4 H5 H6



Smarowanie

Motoreduktory są napełnione olejem , a ilość zależy od układu pracy i temperatury otoczenia podanych w zamówieniu .
Jeżeli motoreduktor będzie wbudowany niezgodnie z układem pracy podanym na tabliczce znamionowej , należy dostosować ilość oleju do rzeczywistych warunków pracy .

Ilości oleju

Reduktor	Układ pracy Ilość oleju [l]					
	B3 B5	**B6 B5/90**	**B7 B5/270**	**B8 B5/180**	**V5 V1**	**V6 V3**
G0	0.1	0.25	0.25	0.35	0.4	0.45
G1	0.15	0.4	0.4	0.55	0.65	0.65
G2	0.25	0.65	0.65	0.9	1.1	1.1
G3	0.35	1.0	1.0	1.2	1.8	1.8
G4	0.5	1.7	1.7	1.9	2.6	2.7
G5	1.1	3.1	3.1	4.1	4.8	5.2
G6	1.9	7.0	7.0	8.1	8.2	8.8
G7	3	12.2	12.2	13.4	12.7	14.5
G8	4.8	21.0	21.0	22.2	19.5	23.2
	H1	**H2**	**H3**	**H4**	**H5**	**H6**
F3	1.5	1.2	1.3	1.4	1.7	2.1
F4	2.7	1.9	2.1	2.3	3.0	3.5
F5	4.6	3.6	4.0	4.1	5.9	6.4
F6	7.6	6.2	7.2	6.2	10.4	11.5
F7	11.4	9.8	10.5	10.8	16.6	18.0
	H1	**H2**	**H3**	**H4**	**H5**	**H6**
S0	0.1	0.25	0.35	0.35	0.25	0.25
S1	0.3	0.55	1.0	0.75	0.6	0.6
S2	0.5	0.85	1.7	1.2	1.0	1.0
S3	0.8	1.6	3.0	2.0	1.8	1.8
S4	1.4	2.8	5.1	3.5	3.0	3.0
	H1	**H2**	**H3**	**H4**	**H5**	**H6**
K3	0.6	1.7	2.0	1.1	1.4	1.4
K4	1.0	2.9	3.2	1.8	2.5	2.5
K5	1.9	5.0	6.5	3.4	4.6	4.6
K6	3.1	7.6	9.7	5.7	7.1	7.1
K7	4.7	11.3	17.2	9.7	13.1	13.1
K8	7.5	18.0	28.0	14.5	20.5	20.5

Smarowanie

Typ środka smarowniczego	Zastosowanie				Produkty					
	Reduktor	θ [°C]	1)	2)	ARAL	ESSO	KLÜBER	MOBIL	SHELL	FUCHS
Olej mineralny										
CLP VG100	G,F,K	-20... +25	O	O	Degol BG 100	Spartan EP 100	Klüberoil GEM 1-100	Mobilgear 629	Shell Omala 100	Renolin CLP 100
	S	-20... +10	O	O						
CLP VG220	G,F,K	-10... +40	O	O	Degol BG 220	Spartan EP 220	Klüberoil GEM 1-220	Mobilgear 630	Shell Omala 220	Renolin CLP220
CLP VG680	S	0... +40	O	O	Degol BG 680		Klüberoil GEM 1-680	Mobilgear 636	Shell Omala 680	Renolin CLP460
Olej syntetyczny – PG										
PGLP VG220	G,F,K	-25... +80	+	+	Degol GS 220	Glycolube 220	Klübersynth GH 6-220	Glygoyle 30	Shell Tivela S220	Renolin PG220
	S	-25... +20	O	+						
PGLP VG460	S	-20... +60	+	+	Degol GS 460	Glycolube 460	Klübersynth GH 6-460	Glygoyle HE460	Shell Tivela S460	Renolin PG460
Olej syntetyczny – HC										
CLP HC VG220	G,F,K	-40... +80	+	++	Degol PAS 220		Klübersynth EG 4-220	Mobilgear SHC XMP220	Shell Omala HD 220	Renolin Unisyn CLP220
CLP HC VG460	S	-30... +80	+	++	Degol PAS 460		Klübersynth EG 4-460	Mobilgear SHC XMP460	Shell Omala HD 460	Renolin Unisyn CLP460
Olej syntetyczny Dopuszczony do kontaktu z żywnością										
USDA-H1 VG220	G,F,K	-30... +40	+	+	Eural Gear 220		Klüberoil 4 UH 1-220	Mobil DTE FM 220	Shell Cassida GL 220	
USDA-H1 VG460	S	-30... +40	+	+	Eural Gear 460		Klüberoil 4 UH 1-460	Mobil DTE FM 460	Shell Cassida GL 460	
Smar przekładni										
Grease GP 0 M-20	G,F,K,S	-20... +50	O	O	Aralub FDP 00	Fibrax EP 370		Mobilplex 44	Shell Alvania GL00	
Grease GP PG 00 N-50	G,F,K,S	-50... +100	O	O		Fließfett S420				
Smar łożysk tocznych										
Na bazie oleju mineralnego		-25... +60						Mobilux 3	Alvania R3	
		-40... +80						Mobiltemp SHC100	Stamina EP2	
		-30... +40							Cassida RLS 2	
		Motor Iso H				Exxon Polyrex EM				

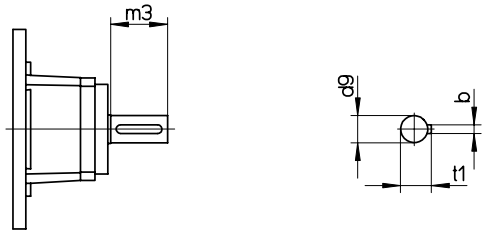
θ Temperatura otoczenia

1) Wytrzymałość — O = normalny, + = wysoki, ++ = bardzo wysoki

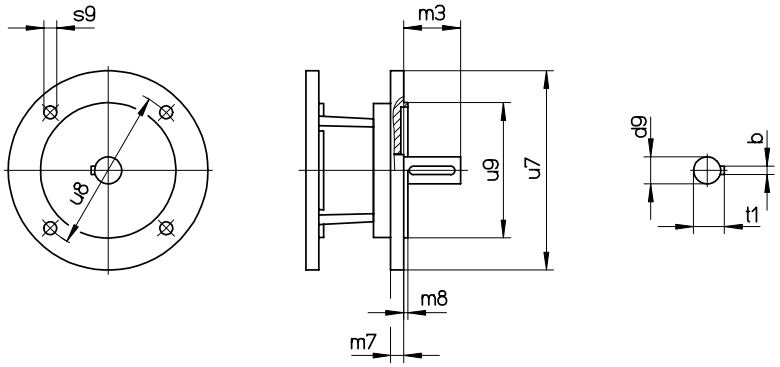
2) Odporność na procesy starzenia — O = normalny, + = wysoki, ++ = bardzo wysoki

Wolny wał wejściowy -W

-W

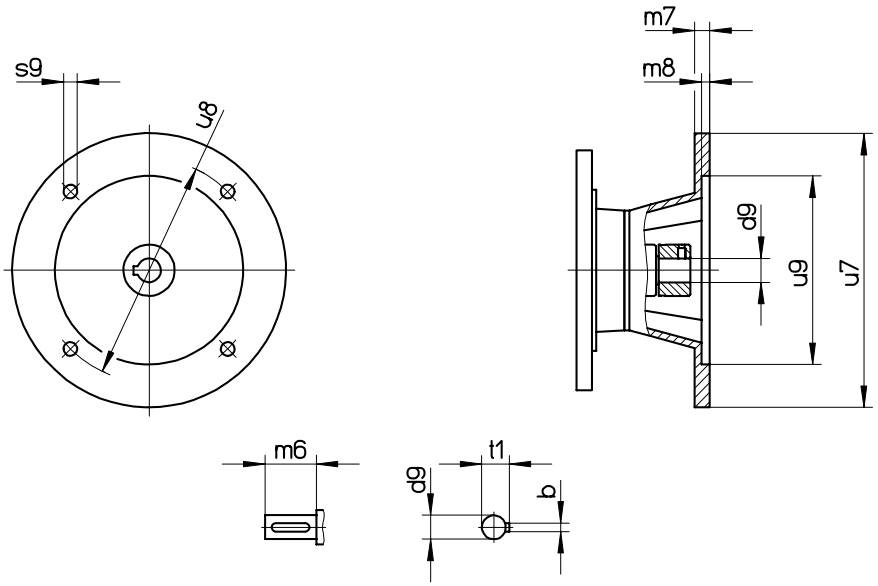


-WF



Adapter	d9	m3	b	t1	u7	u8	u9	m7	m8	s9	T1max [Nm]
-W1	14	30	5	16	120	100	80	8	3	6.6	4
-W2	19	40	6	21.5	140	115	95	9	3	9	12
-W3	28	60	8	31	160	130	110	9	3.5	9	30
-W4	38	80	10	41	200	165	130	10	3.5	11	60
-W5	48	110	14	51.5	300	265	230	12	4	14	180

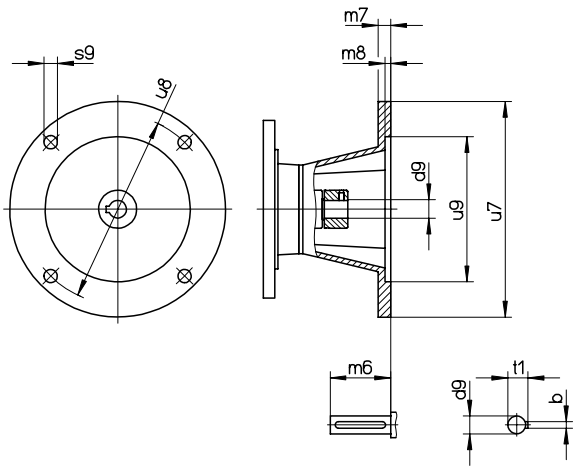
Przyłącze silnikowe -M IEC



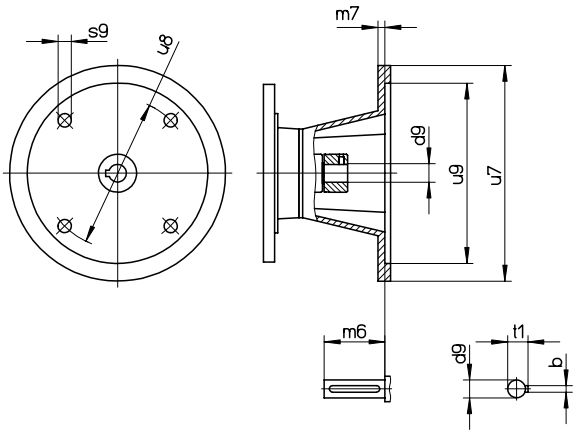
Adapter	pasujący do silnika	u7	u8	u9	s9	d9	m6	b	t1	m7	m8	T1max [Nm]
-M IEC63	IEC63 B5	140	115	95	M8	11	23	4	12.5	12	4	4
-M IEC71	IEC71 B5	160	130	110	M8	14	30	5	16	12	4.5	4
-M IEC80	IEC80 B5	200	165	130	M10	19	40	6	21.5	15	4.5	8
-M IEC90	IEC90 B5	200	165	130	M10	24	50	8	27	15	4.5	12
-M IEC100	IEC100 B5	250	215	180	M12	28	60	8	31	18	5	21
-M IEC112	IEC112 B5	250	215	180	M12	28	60	8	31	18	5	30
-M IEC132	IEC132 B5	300	265	230	M12	38	80	10	41	18	5	60
-M IEC160	IEC160 B5	350	300	250	M16	42	110	12	45	24	6	120
-M IEC180	IEC180 B5	350	300	250	M16	48	110	14	51.5	24	6	180

Przyłącze silnikowe -M NEMA

NEMA 56 .. 140

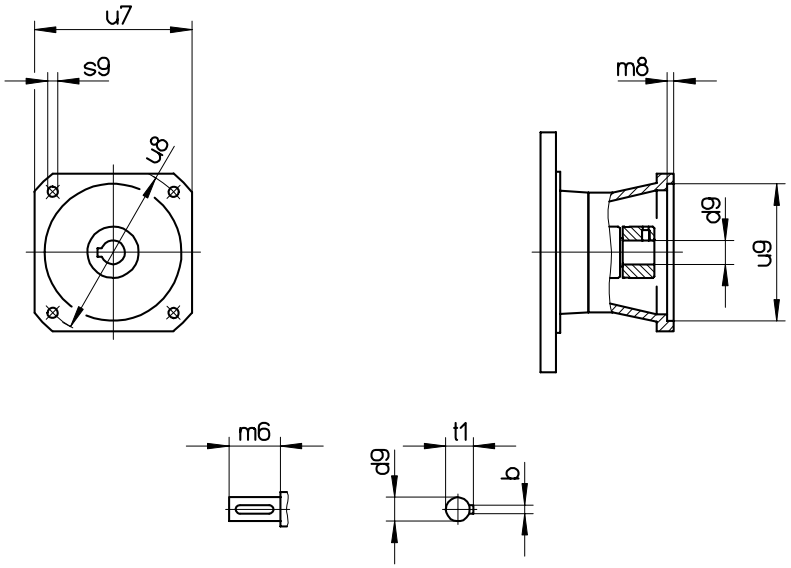


NEMA180 .. 280



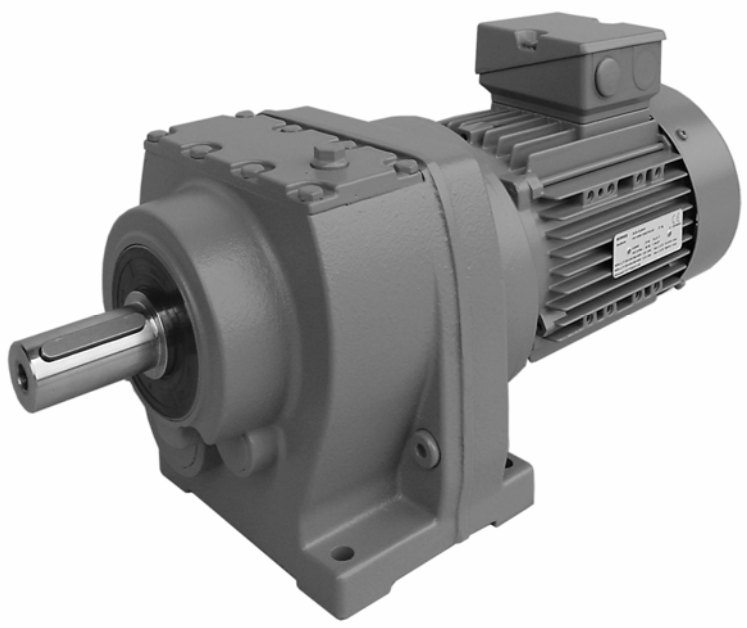
Adapter	pasujący do silnika	u7 [inch]	u8 [inch]	u9 [inch]	s9 [inch]	d9 [inch]	m6 [inch]	b [inch]	t1 [inch]	m7 [inch]	m8 [inch]	T1max [Nm]
-M NEMA56	NEMA 56C	6.69	5.875	4.50	0.41	0.625	2.08	0.188	0.705	0.43	0.17	4
-M NEMA140	NEMA 143TC NEMA 145TC	6.69	5.875	4.50	0.41	0.875	2.12	0.188	0.959	0.47	0.17	12
-M NEMA180	NEMA182TC NEMA184TC	9.00	7.25	8.50	0.59	1.125	2.62	0.250	1.236	0.39	-	30
-M NEMA210	NEMA213TC NEMA215 TC	9.00	7.25	8.50	0.59	1.375	3.125	0.312	1.522	0.43	-	60
-M NEMA250	NEMA254TC NEMA256 TC	9.00	7.25	8.50	0.59	1.625	3.75	0.375	1.791	0.47	-	120
-M NEMA280	NEMA284TC NEMA286TC	11.26	9.00	10.50	0.59	1.875	4.380	0.500	2.091	0.59	-	180

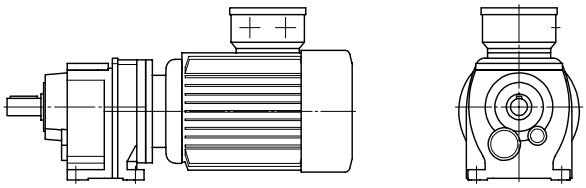
Przyłącze silnikowe -M S



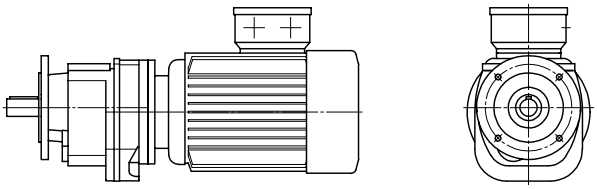
Adapter	pasujący do silnika	u7	u8	u9	s9	d9	m6	b	t1	m8	T1max [Nm]
-M S70/1	KEB B_.SM	70	75	60	M5	11	23	4	12.5	3.5	4
-M S90/1	KEB C_.SM KEB 3_.SM	92	100	80	M6	14	30	5	16	4	8
-M S110/1	KEB D_.SM KEB 4_.SM	110	115	95	M8	19	40	6	21.5	4	12
-M S140/1	KEB E_.SM	140	165	130	M10	24	50	8	27	4.5	30
-M S190/1	KEB F_.SM	190	215	180	M12	32	58	10	35	5	60

Motoreduktory Walcowe G

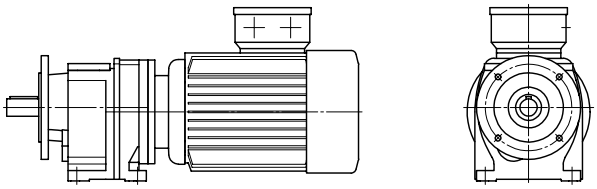




Wykonanie na łapach
Przykład: G02**A** DL63G4



Wykonanie z dużym kołnierzem
Przykład: G33**C** DL80G4



Łapy- mocowane kołnierzowo
Przykład: G22**E** DL90S4

n2 [1/min]	T2 [Nm]	cG	i	Typ	Wymiary Strona	~kg
0.12 kW						
0.11	10190	0.85	13332	**G83G43A DL63K4**	46/47	208
0.12	9100	1.00	11905	**G83G43C DL63K4**		215
0.13	8180	1.10	10707			
0.15	7400	1.20	9685.6			
0.16	6750	1.30	8828.6			
0.18	6020	1.50	7876.1			
0.20	5400	1.65	7064.8			
0.22	4910	1.80	6426.4			
0.24	4420	2.0	5788.3			
0.26	4120	2.2	5393.9			
0.29	3730	2.4	4879.5			
0.32	3400	2.6	4447.7			
0.36	3030	2.9	3967.9			
0.40	2720	3.3	3559.2			
0.44	2470	3.6	3237.5			
0.48	2230	4.0	2916.1			
0.19	5580	0.90	7297.6	**G73G33A DL63K4**	45/47	129
0.22	4940	1.00	6463.2	**G73G33C DL63K4**		131
0.24	4480	1.10	5863.6			
0.31	3450	1.40	4511.4			
0.35	3090	1.60	4046.7			
0.38	2810	1.75	3677.8			
0.43	2480	1.95	3242.6			
0.50	2210	2.2	2832.9	**G73G32A DL63K4**	45/47	129
0.56	1970	2.5	2529.7	**G73G32C DL63K4**		131
0.62	1780	2.8	2275.0			
0.69	1610	3.0	2058.1			
0.75	1460	3.3	1876.0			
0.84	1310	3.7	1673.6			
0.32	3350	0.85	4386.6	**G63G33A DL63K4**	44/47	82
0.41	2600	1.10	3402.1	**G63G33C DL63K4**		83
0.46	2330	1.20	3051.7			
0.51	2120	1.30	2773.5			
0.58	1870	1.50	2445.3			
0.66	1670	1.70	2136.3	**G63G32A DL63K4**	44/47	82
0.74	1490	1.90	1907.7	**G63G32C DL63K4**		83
0.82	1340	2.1	1715.6			
0.91	1210	2.3	1552.0			
1.00	1100	2.5	1414.7			
1.1	985	2.8	1262.1			
1.2	885	3.2	1132.1			
1.4	795	3.5	1018.9			
1.6	695	4.0	888.88			
0.53	2060	0.80	2640.3	**G53G22A DL63K4**	43/47	55
0.62	1770	0.90	2266.7	**G53G22C DL63K4**		56
0.72	1540	1.05	1971.8			
0.81	1350	1.20	1733.0			
0.92	1200	1.35	1535.8			
1.0	1070	1.50	1370.1			
1.1	960	1.70	1229.0			
1.3	870	1.85	1116.9			
1.4	770	2.1	984.77			
1.6	680	2.4	872.18			
1.8	625	2.6	802.80			
2.0	560	2.9	717.52			
2.2	495	3.3	636.13			
2.5	445	3.7	570.60			
2.7	405	4.0	518.58			

n2 [1/min]	T2 [Nm]	cG	i	Typ	Wymiary Strona	~kg
0.12 kW						
1.00	1100	0.80	1413.3	**G43G22A DL63K4**	42/47	34
1.1	985	0.90	1260.8	**G43G22C DL63K4**		34
1.2	880	1.00	1131.0			
1.4	800	1.10	1027.9			
1.6	705	1.25	906.23			
1.8	625	1.40	802.62			
2.0	560	1.55	719.94			
2.2	510	1.70	653.17			
2.4	455	1.90	585.39			
2.7	410	2.1	525.09			
3.0	370	2.3	477.22			
3.4	330	2.7	420.75			
3.8	290	3.0	372.64			
4.2	260	3.4	334.26			
4.6	235	3.7	303.26			
1.8	620	0.80	791.71	**G33G12A DL63K4**	41/47	22
1.9	570	0.85	727.68	**G33G12C DL63K4**		22
2.2	500	0.95	641.09			
2.5	445	1.10	568.36			
2.8	395	1.20	506.40			
3.1	355	1.35	454.59			
3.6	310	1.55	396.78			
4.1	270	1.80	347.53			
4.5	240	2.00	310.04			
5.1	215	2.2	278.10			
5.6	197	2.4	252.75			
6.3	174	2.8	222.84			
7.1	154	3.1	197.36			
8.0	144	3.3	177.27	**G33A DL63K4**	41	17
9.3	124	3.9	152.19	**G33C DL63K4**		17
3.9	290	0.80	361.24	**G22G12A DL63K4**	40/47	17
4.5	250	0.95	312.61	**G22G12C DL63K4**		17
5.2	220	1.05	273.25			
5.9	192	1.20	240.74			
6.6	170	1.35	213.43			
7.4	151	1.55	190.16			
8.3	136	1.70	170.71			
9.2	125	1.85	153.41	**G23A DL63K4**	40	12
11	107	2.2	131.06	**G23C DL63K4**		12
12	92	2.5	113.42			
14	81	2.9	99.14			
16	71	3.3	87.34			
18	63	3.7	77.43			
7.3	150	0.80	192.31	**G13G02A DL63K4**	39/47	14
8.3	132	0.90	169.38	**G13G02C DL63K4**		14
9.7	114	1.00	145.94			
11	100	1.15	127.83			
12	94	1.25	115.34	**G13A DL63K4**	39	9
14	79	1.45	97.78	**G13C DL63K4**		10
17	68	1.70	83.91			
19	59	2.00	72.69			
22	52	2.3	63.42			
25	45	2.6	55.63			
29	40	2.9	49.00			
33	35	3.3	43.09			
38	30	3.9	36.98			

n2 [1/min]	T2 [Nm]	cG	i	Typ	Wymiary Strona	~kg
0.12 kW						
19	59	1.00	72.52	**G03A DL63K4**	38	9
23	50	1.20	61.26	**G03C DL63K4**		9
27	43	1.40	52.38			
31	37	1.65	45.19			
36	32	1.90	39.24			
41	28	2.2	34.25			
48	24	2.5	29.57			
55	21	2.9	25.51			
64	18	3.3	22.15			
73	16	3.8	19.33			
83	14	4.3	16.97	**G02A DL63K4**	38	9
98	12	5.1	14.34	**G02C DL63K4**		9
115	10.0	6.0	12.26			
133	8.6	7.0	10.58			
154	7.5	7.8	9.18			
176	6.5	8.4	8.02			
201	5.7	8.9	7.02			
234	4.9	9.4	6.04			
271	4.2	10	5.21			
312	3.7	11	4.52			
357	3.2	12	3.95			
408	2.8	12	3.46			
0.18 kW						
0.15	11100	0.80	9685.6	**G83G43A DL63G4**	46/47	208
0.16	10120	0.90	8828.6	**G83G43C DL63G4**		215
0.18	9030	1.00	7876.1			
0.20	8100	1.10	7064.8			
0.22	7360	1.20	6426.4			
0.24	6630	1.35	5788.3			
0.26	6180	1.45	5393.9			
0.29	5590	1.60	4879.5			
0.32	5100	1.75	4447.7			
0.36	4550	1.95	3967.9			
0.40	4080	2.2	3559.2			
0.44	3710	2.4	3237.5			
0.48	3340	2.7	2916.1			
0.55	2970	3.0	2541.6	**G83G42A DL63G4**	46/47	208
0.61	2690	3.3	2294.9	**G83G42C DL63G4**		215
0.68	2440	3.6	2084.8			
0.74	2230	4.0	1906.2			
0.31	5170	0.95	4511.4	**G73G33A DL63G4**	45/47	129
0.35	4640	1.05	4046.7	**G73G33C DL63G4**		131
0.38	4210	1.15	3677.8			
0.43	3720	1.30	3242.6			
0.50	3320	1.45	2832.9	**G73G32A DL63G4**	45/47	129
0.56	2960	1.65	2529.7	**G73G32C DL63G4**		131
0.62	2660	1.85	2275.0			
0.69	2410	2.0	2058.1			
0.75	2200	2.2	1876.0			
0.84	1960	2.5	1673.6			
0.94	1760	2.8	1501.2			
1.0	1590	3.1	1361.9			
1.2	1380	3.5	1179.7			
1.3	1250	3.9	1067.4			

n2 [1/min]	T2 [Nm]	cG	i	Typ	Wymiary Strona	~kg
0.18 kW						
0.46	3500	0.80	3051.7	**G63G33A DL63G4**	44/47	82
0.51	3180	0.90	2773.5	**G63G33C DL63G4**		83
0.58	2800	1.00	2445.3			
0.66	2500	1.10	2136.3	**G63G32A DL63G4**	44/47	82
0.74	2230	1.25	1907.7	**G63G32C DL63G4**		83
0.82	2010	1.40	1715.6			
0.91	1820	1.55	1552.0			
1.00	1660	1.70	1414.7			
1.1	1480	1.90	1262.1			
1.2	1320	2.1	1132.1			
1.4	1190	2.3	1018.9			
1.6	1040	2.7	888.88			
1.8	930	3.0	796.35			
2.1	805	3.5	686.91			
2.3	715	3.9	612.80			
0.81	2030	0.80	1733.0	**G53G22A DL63G4**	43/47	55
0.92	1800	0.90	1535.8	**G53G22C DL63G4**		56
1.0	1600	1.00	1370.1			
1.1	1440	1.15	1229.0			
1.3	1310	1.25	1116.9			
1.4	1150	1.40	984.77			
1.6	1020	1.60	872.18			
1.8	940	1.75	802.80			
2.0	840	1.95	717.52			
2.2	745	2.2	636.13			
2.5	670	2.4	570.60			
2.7	605	2.7	518.58			
3.1	535	3.0	457.21			
3.5	475	3.4	404.94			
3.8	435	3.7	372.73			
1.6	1060	0.80	906.23	**G43G22A DL63G4**	42/47	34
1.8	940	0.95	802.62	**G43G22C DL63G4**		34
2.0	845	1.05	719.94			
2.2	765	1.15	653.17			
2.4	685	1.30	585.39			
2.7	615	1.40	525.09			
3.0	560	1.55	477.22			
3.4	490	1.80	420.75			
3.8	435	2.0	372.64			
4.2	390	2.2	334.26			
4.6	355	2.5	303.26			
5.2	315	2.8	268.73			
5.9	280	3.1	240.42			
6.7	255	3.4	210.05	**G43A DL63G4**	42	28
7.8	220	4.0	181.51	**G43C DL63G4**		28
2.8	595	0.80	506.40	**G33G12A DL63G4**	41/47	22
3.1	530	0.90	454.59	**G33G12C DL63G4**		22
3.6	465	1.05	396.78			
4.1	405	1.20	347.53			
4.5	365	1.35	310.04			
5.1	325	1.50	278.10			
5.6	295	1.65	252.75			
6.3	260	1.85	222.84			
7.1	230	2.1	197.36			

n2 [1/min]	T2 [Nm]	cG	i	Typ	Wymiary Strona	~kg
0.18 kW						
8.0	215	2.2	177.27	**G33A DL63G4**	41	17
9.3	186	2.6	152.19	**G33C DL63G4**		17
11	161	3.0	132.39			
12	142	3.4	116.36			
14	126	3.8	103.11			
5.9	290	0.80	240.74	**G22G12A DL63G4**	40/47	17
6.6	255	0.90	213.43	**G22G12C DL63G4**		17
7.4	225	1.05	190.16			
8.3	205	1.15	170.71			
9.2	187	1.25	153.41	**G23A DL63G4**	40	12
11	160	1.45	131.06	**G23C DL63G4**		12
12	138	1.70	113.42			
14	121	1.95	99.14			
16	106	2.2	87.34			
18	94	2.5	77.43			
20	85	2.8	69.48			
23	74	3.1	60.74			
26	65	3.6	53.51			
30	58	4.0	47.44			
12	141	0.85	115.34	**G13A DL63G4**	39	9
14	119	1.00	97.78	**G13C DL63G4**		10
17	102	1.15	83.91			
19	89	1.30	72.69			
22	77	1.50	63.42			
25	68	1.75	55.63			
29	60	1.95	49.00			
33	53	2.2	43.09			
38	45	2.6	36.98			
44	39	3.0	32.03			
50	34	3.4	27.95			
58	30	3.9	24.52			
57	30	3.9	24.88	**G12A DL63G4**	39	9
				G12C DL63G4		10
23	75	0.80	61.26	**G03A DL63G4**	38	9
27	64	0.95	52.38	**G03C DL63G4**		9
31	55	1.10	45.19			
36	48	1.25	39.24			
41	42	1.45	34.25			
48	36	1.65	29.57			
55	31	1.95	25.51			
64	27	2.2	22.15			
73	24	2.5	19.33			
83	21	2.9	16.97	**G02A DL63G4**	38	9
98	17	3.4	14.34	**G02C DL63G4**		9
115	15	4.0	12.26			
133	13	4.7	10.58			
154	11	5.2	9.18			
176	9.8	5.6	8.02			
201	8.6	6.0	7.02			
234	7.4	6.3	6.04			
271	6.3	6.8	5.21			
312	5.5	7.3	4.52			
357	4.8	7.7	3.95			
408	4.2	8.3	3.46			

n2 [1/min]	T2 [Nm]	cG	i	Typ	Wymiary Strona	~kg
0.25 kW						
0.20	11450	0.80	7064.8	**G83G43A DL71K4**	46/47	208
0.22	10410	0.85	6426.4	**G83G43C DL71K4**		215
0.24	9380	0.95	5788.3			
0.26	8740	1.00	5393.9			
0.28	7910	1.15	4879.5			
0.31	7210	1.25	4447.7			
0.35	6430	1.40	3967.9			
0.39	5770	1.55	3559.2			
0.43	5250	1.70	3237.5			
0.47	4730	1.90	2916.1			
0.54	4210	2.1	2541.6	**G83G42A DL71K4**	46/47	208
0.60	3800	2.3	2294.9	**G83G42C DL71K4**		215
0.66	3450	2.6	2084.8			
0.73	3150	2.8	1906.2			
0.81	2830	3.1	1710.4			
0.90	2550	3.5	1543.6			
0.99	2320	3.8	1404.1			
0.38	5960	0.80	3677.8	**G73G33A DL71K4**	45/47	129
0.43	5250	0.95	3242.6	**G73G33C DL71K4**		131
0.49	4690	1.05	2832.9	**G73G32A DL71K4**	45/47	129
0.55	4190	1.15	2529.7	**G73G32C DL71K4**		131
0.61	3760	1.30	2275.0			
0.67	3410	1.45	2058.1			
0.74	3100	1.55	1876.0			
0.83	2770	1.75	1673.6			
0.92	2480	1.95	1501.2			
1.0	2250	2.2	1361.9			
1.2	1950	2.5	1179.7			
1.3	1770	2.8	1067.4			
1.4	1600	3.0	969.05			
1.6	1430	3.4	864.03			
0.65	3540	0.80	2136.3	**G63G32A DL71K4**	44/47	82
0.73	3160	0.90	1907.7	**G63G32C DL71K4**		83
0.81	2840	1.00	1715.6			
0.89	2570	1.10	1552.0			
0.98	2340	1.20	1414.7			
1.1	2090	1.35	1262.1			
1.2	1870	1.50	1132.1			
1.4	1690	1.65	1018.9			
1.6	1470	1.90	888.88			
1.7	1320	2.1	796.35			
2.0	1140	2.5	686.91			
2.3	1010	2.8	612.80			
2.5	910	3.1	549.68			
2.8	820	3.4	494.71			
3.2	715	3.9	431.60			

n2 [1/min]	T2 [Nm]	cG	i	Typ	Wymiary Strona	~kg
0.25 kW						
1.1	2030	0.80	1229.0	**G53G22A DL71K4**	43/47	55
1.2	1850	0.90	1116.9	**G53G22C DL71K4**		56
1.4	1630	1.00	984.77			
1.6	1440	1.15	872.18			
1.7	1330	1.25	802.80			
1.9	1190	1.35	717.52			
2.2	1050	1.55	636.13			
2.4	945	1.70	570.60			
2.7	860	1.90	518.58			
3.0	755	2.2	457.21			
3.4	670	2.4	404.94			
3.7	615	2.6	372.73			
4.2	550	3.0	333.14			
4.7	490	3.3	295.82			
5.3	435	3.8	262.14			
2.1	1080	0.80	653.17	**G43G22A DL71K4**	42/47	34
2.4	970	0.90	585.39	**G43G22C DL71K4**		34
2.6	870	1.00	525.09			
2.9	790	1.10	477.22			
3.3	695	1.25	420.75			
3.7	615	1.40	372.64			
4.1	555	1.60	334.26			
4.6	500	1.75	303.26			
5.2	445	1.95	268.73			
5.8	400	2.2	240.42			
6.6	360	2.4	210.05	**G43A DL71K4**	42	28
7.6	315	2.8	181.51	**G43C DL71K4**		28
8.7	275	3.2	158.99			
9.8	245	3.6	140.75			
11	215	4.0	125.69			
4.0	575	0.85	347.53	**G33G12A DL71K4**	41/47	22
4.5	515	0.95	310.04	**G33G12C DL71K4**		22
5.0	460	1.05	278.10			
5.5	420	1.15	252.75			
6.2	370	1.30	222.84			
7.0	325	1.50	197.36			
7.8	305	1.60	177.27	**G33A DL71K4**	41	17
9.1	260	1.85	152.19	**G33C DL71K4**		17
10	230	2.1	132.39			
12	200	2.4	116.36			
13	178	2.7	103.11			
15	159	3.0	91.99			
17	142	3.4	82.51			
18	129	3.7	74.99			
8.1	290	0.80	170.71	**G22G12A DL71K4**	40/47	17
				G22G12C DL71K4		17
9.0	265	0.90	153.41	**G23A DL71K4**	40	12
11	225	1.05	131.06	**G23C DL71K4**		12
12	196	1.20	113.42			
14	171	1.35	99.14			
16	151	1.55	87.34			
18	133	1.75	77.43			
20	120	1.95	69.48			
23	105	2.2	60.74			
26	92	2.5	53.51			
29	82	2.8	47.44			
33	72	3.3	41.53			
38	63	3.7	36.59			

n2 [1/min]	T2 [Nm]	cG	i	Typ	Wymiary Strona	~kg
0.25 kW						
17	145	0.80	83.91	**G13A DL71K4**	39	9
19	125	0.95	72.69	**G13C DL71K4**		10
22	109	1.05	63.42			
25	96	1.20	55.63			
28	84	1.40	49.00			
32	74	1.60	43.09			
37	64	1.85	36.98			
43	55	2.1	32.03			
50	48	2.4	27.95			
56	42	2.8	24.52			
64	37	3.1	21.59			
56	43	2.7	24.88	**G12A DL71K4**	39	9
65	37	3.2	21.25	**G12C DL71K4**		10
75	32	3.7	18.39			
35	68	0.90	39.24	**G03A DL71K4**	38	9
40	59	1.00	34.25	**G03C DL71K4**		9
47	51	1.20	29.57			
54	44	1.35	25.51			
63	38	1.55	22.15			
72	33	1.80	19.33			
82	29	2.1	16.97	**G02A DL71K4**	38	9
97	25	2.4	14.34	**G02C DL71K4**		9
113	21	2.8	12.26			
131	18	3.3	10.58			
151	16	3.7	9.18			
173	14	4.0	8.02			
197	12	4.2	7.02			
229	10	4.4	6.04			
266	9.0	4.8	5.21			
306	7.8	5.1	4.52			
351	6.8	5.4	3.95			
401	6.0	5.9	3.46			
0.37 kW						
0.31	10710	0.85	4447.7	**G83G43A DL71G4**	46/47	209
0.35	9550	0.95	3967.9	**G83G43C DL71G4**		216
0.39	8570	1.05	3559.2			
0.43	7790	1.15	3237.5			
0.47	7020	1.25	2916.1			
0.54	6250	1.40	2541.6	**G83G42A DL71G4**	46/47	209
0.60	5640	1.60	2294.9	**G83G42C DL71G4**		216
0.66	5120	1.75	2084.8			
0.72	4690	1.90	1906.2			
0.81	4200	2.1	1710.4			
0.89	3790	2.3	1543.6			
0.98	3450	2.6	1404.1			
1.1	3110	2.9	1264.7			
1.2	2790	3.2	1135.5			
1.4	2390	3.7	974.05			

n2 [1/min]	T2 [Nm]	cG	i	Typ	Wymiary Strona	~kg
0.37 kW						
0.55	6220	0.80	2529.7	**G73G32A DL71G4**	45/47	130
0.61	5590	0.85	2275.0	**G73G32C DL71G4**		132
0.67	5060	0.95	2058.1			
0.74	4610	1.05	1876.0			
0.82	4110	1.20	1673.6			
0.92	3690	1.30	1501.2			
1.0	3350	1.45	1361.9			
1.2	2900	1.70	1179.7			
1.3	2620	1.85	1067.4			
1.4	2380	2.1	969.05			
1.6	2120	2.3	864.03			
1.9	1780	2.8	722.33			
2.1	1610	3.0	655.31			
2.4	1400	3.5	567.65			
2.7	1260	3.9	513.62			
0.98	3480	0.80	1414.7	**G63G32A DL71G4**	44/47	83
1.1	3100	0.90	1262.1	**G63G32C DL71G4**		84
1.2	2780	1.00	1132.1			
1.4	2500	1.10	1018.9			
1.6	2180	1.30	888.88			
1.7	1960	1.45	796.35			
2.0	1690	1.65	686.91			
2.3	1510	1.85	612.80			
2.5	1350	2.1	549.68			
2.8	1220	2.3	494.71			
3.2	1060	2.6	431.60			
3.6	950	2.9	386.67			
4.0	845	3.3	343.00			
4.6	740	3.6	301.31			
1.7	1970	0.80	802.80	**G53G22A DL71G4**	43/47	56
1.9	1760	0.90	717.52	**G53G22C DL71G4**		57
2.2	1560	1.05	636.13			
2.4	1400	1.15	570.60			
2.7	1270	1.30	518.58			
3.0	1120	1.45	457.21			
3.4	995	1.65	404.94			
3.7	915	1.80	372.73			
4.1	820	2.00	333.14			
4.7	725	2.2	295.82			
5.3	645	2.5	262.14			
6.0	565	2.9	229.46			
6.7	510	3.2	207.08			
7.2	470	3.5	190.61			
3.3	1030	0.85	420.75	**G43G22A DL71G4**	42/47	35
3.7	915	0.95	372.64	**G43G22C DL71G4**		35
4.1	820	1.05	334.26			
4.6	745	1.15	303.26			
5.1	660	1.30	268.73			
5.7	590	1.50	240.42			
6.6	540	1.65	210.05	**G43A DL71G4**	42	29
7.6	465	1.90	181.51	**G43C DL71G4**		29
8.7	405	2.1	158.99			
9.8	360	2.4	140.75			
11	320	2.7	125.69			
12	290	3.0	113.03			
13	260	3.3	102.26			
15	240	3.7	93.21			

n2 [1/min]	T2 [Nm]	cG	i	Typ	Wymiary Strona	~kg
0.37 kW						
5.5	620	0.80	252.75	**G33G12A DL71G4**	41/47	23
6.2	550	0.90	222.84	**G33G12C DL71G4**		23
7.0	485	1.00	197.36			
7.8	455	1.05	177.27	**G33A DL71G4**	41	18
9.1	390	1.25	152.19	**G33C DL71G4**		18
10	340	1.40	132.39			
12	300	1.60	116.36			
13	265	1.85	103.11			
15	235	2.0	91.99			
17	210	2.3	82.51			
18	192	2.5	74.99			
21	169	2.8	66.12			
24	150	3.2	58.56			
27	132	3.6	51.70			
12	290	0.80	113.42	**G23A DL71G4**	40	13
14	255	0.90	99.14	**G23C DL71G4**		13
16	225	1.05	87.34			
18	198	1.20	77.43			
20	178	1.30	69.48			
23	156	1.50	60.74			
26	137	1.70	53.51			
29	121	1.90	47.44			
33	106	2.2	41.53			
38	94	2.5	36.59			
43	83	2.8	32.44			
48	74	3.1	28.90			
53	66	3.5	25.95			
61	58	4.0	22.65			
70	51	4.6	19.83			
47	75	3.1	29.22	**G22A DL71G4**	40	13
55	64	3.6	25.09	**G22C DL71G4**		13
25	142	0.80	55.63	**G13A DL71G4**	39	10
28	125	0.95	49.00	**G13C DL71G4**		11
32	110	1.05	43.09			
37	95	1.25	36.98			
43	82	1.45	32.03			
49	72	1.65	27.95			
56	63	1.85	24.52			
64	55	2.1	21.59			
55	64	1.85	24.88	**G12A DL71G4**	39	10
65	54	2.1	21.25	**G12C DL71G4**		11
75	47	2.5	18.39			
86	41	2.8	16.08			
97	36	3.2	14.16			
110	32	3.6	12.56			
47	76	0.80	29.57	**G03A DL71G4**	38	10
54	65	0.90	25.51	**G03C DL71G4**		10
62	57	1.05	22.15			
71	50	1.20	19.33			

n2 [1/min]	T2 [Nm]	cG	i	Typ	Wymiary Strona	~kg
0.37 kW						
81	43	1.40	16.97	**G02A DL71G4**	38	10
96	37	1.65	14.34	**G02C DL71G4**		10
113	31	1.90	12.26			
130	27	2.2	10.58			
150	24	2.5	9.18			
172	21	2.7	8.02			
197	18	2.8	7.02			
229	15	3.0	6.04			
265	13	3.2	5.21			
305	12	3.5	4.52			
350	10	3.7	3.95			
399	8.9	4.0	3.46			
0.55 kW						
0.44	11340	0.80	3237.5	**G83G43A DL80K4**	46/47	212
0.48	10210	0.85	2916.1	**G83G43C DL80K4**		219
0.55	9090	1.00	2541.6	**G83G42A DL80K4**	46/47	212
0.61	8210	1.10	2294.9	**G83G42C DL80K4**		219
0.68	7460	1.20	2084.8			
0.74	6820	1.30	1906.2			
0.82	6120	1.45	1710.4			
0.91	5520	1.60	1543.6			
1.0	5020	1.75	1404.1			
1.1	4520	1.95	1264.7			
1.2	4060	2.2	1135.5			
1.4	3480	2.6	974.05			
1.7	3010	3.0	841.95			
1.9	2620	3.3	731.87			
0.84	5990	0.80	1673.6	**G73G32A DL80K4**	45/47	133
0.94	5370	0.90	1501.2	**G73G32C DL80K4**		134
1.0	4870	1.00	1361.9			
1.2	4220	1.15	1179.7			
1.3	3820	1.30	1067.4			
1.5	3470	1.40	969.05			
1.6	3090	1.60	864.03			
2.0	2580	1.90	722.33			
2.2	2340	2.1	655.31			
2.5	2030	2.4	567.65			
2.7	1840	2.7	513.62			
3.0	1670	2.9	466.28			
3.4	1490	3.3	415.75			
1.6	3180	0.90	888.88	**G63G32A DL80K4**	44/47	86
1.8	2850	1.00	796.35	**G63G32C DL80K4**		87
2.1	2460	1.15	686.91			
2.3	2190	1.30	612.80			
2.6	1970	1.40	549.68			
2.9	1770	1.60	494.71			
3.3	1540	1.80	431.60			
3.6	1380	2.0	386.67			
4.1	1230	2.3	343.00			
4.7	1080	2.5	301.31			

n2 [1/min]	T2 [Nm]	cG	i	Typ	Wymiary Strona	~kg
0.55 kW						
2.5	2040	0.80	570.60	**G53G22A DL80K4**	43/47	58
2.7	1850	0.90	518.58	**G53G22C DL80K4**		60
3.1	1640	1.00	457.21			
3.5	1450	1.10	404.94			
3.8	1330	1.20	372.73			
4.2	1190	1.35	333.14			
4.8	1060	1.55	295.82			
5.4	935	1.75	262.14			
6.1	820	2.00	229.46			
6.8	740	2.2	207.08			
7.4	680	2.4	190.61			
7.5	695	2.3	186.77	**G53A DL80K4**	43	54
8.5	620	2.6	165.96	**G53C DL80K4**		55
9.5	555	2.9	148.78			
10	500	3.3	134.34			
12	455	3.6	122.04			
13	415	3.9	111.58			
4.6	1080	0.80	303.26	**G43G22A DL80K4**	42/47	37
5.2	960	0.90	268.73	**G43G22C DL80K4**		38
5.9	860	1.00	240.42			
8.9	590	1.50	158.99	**G43A DL80K4**	42	31
10	525	1.65	140.75	**G43C DL80K4**		32
11	470	1.85	125.69			
12	420	2.1	113.03			
14	380	2.3	102.26			
15	345	2.5	93.21			
17	310	2.8	83.15			
19	280	3.1	74.59			
11	495	1.00	132.39	**G33A DL80K4**	41	21
12	435	1.10	116.36	**G33C DL80K4**		21
14	385	1.25	103.11			
15	345	1.40	91.99			
17	305	1.55	82.51			
19	280	1.75	74.99			
21	245	1.95	66.12			
24	220	2.2	58.56			
27	193	2.5	51.70			
34	152	3.2	40.87			
38	137	3.5	36.66			
42	124	3.7	33.32			
20	260	0.90	69.48	**G23A DL80K4**	40	16
23	225	1.05	60.74	**G23C DL80K4**		16
26	199	1.15	53.51			
30	177	1.30	47.44			
34	155	1.50	41.53			
39	136	1.70	36.59			
43	121	1.95	32.44			
49	108	2.2	28.90			
54	97	2.4	25.95			
62	84	2.7	22.65			
71	74	3.2	19.83			
65	81	2.9	21.82	**G22A DL80K4**	40	16
74	71	3.3	19.18	**G22C DL80K4**		16
83	63	3.7	17.00			

KEB

n2 [1/min]	T2 [Nm]	cG	i	Typ	Wymiary Strona	~kg
0.55 kW						
38	138	0.85	36.98	**G13A DL80K4**	39	13
44	119	1.00	32.03	**G13C DL80K4**		13
50	104	1.10	27.95			
58	91	1.30	24.52			
65	80	1.45	21.59			
77	69	1.70	18.39	**G12A DL80K4**	39	13
88	60	1.95	16.08	**G12C DL80K4**		13
100	53	2.2	14.16			
112	47	2.5	12.56			
126	42	2.8	11.19			
140	37	3.0	10.04			
161	33	3.2	8.77			
184	29	3.5	7.68			
200	26	3.7	7.06			
115	46	1.30	12.26	**G02A DL80K4**	38	12
133	39	1.50	10.58	**G02C DL80K4**		13
154	34	1.70	9.18			
176	30	1.85	8.02			
201	26	1.95	7.02			
234	22	2.0	6.04			
271	19	2.2	5.21			
312	17	2.4	4.52			
357	15	2.5	3.95			
408	13	2.7	3.46			
0.75 kW						
0.61	11270	0.80	2294.9	**G83G42A DL80G4**	46/47	213
0.67	10240	0.85	2084.8	**G83G42C DL80G4**		220
0.73	9360	0.95	1906.2			
0.82	8400	1.05	1710.4			
0.91	7580	1.15	1543.6			
1.00	6900	1.30	1404.1			
1.1	6210	1.45	1264.7			
1.2	5580	1.60	1135.5			
1.4	4780	1.85	974.05			
1.7	4140	2.2	841.95			
1.9	3590	2.4	731.87			
1.2	5790	0.85	1179.7	**G73G32A DL80G4**	45/47	134
1.3	5240	0.95	1067.4	**G73G32C DL80G4**		135
1.4	4760	1.05	969.05			
1.6	4240	1.15	864.03			
1.9	3550	1.40	722.33			
2.1	3220	1.50	655.31			
2.5	2790	1.75	567.65			
2.7	2520	1.95	513.62			
3.0	2290	2.1	466.28			
3.4	2040	2.4	415.75			
2.0	3370	0.85	686.91	**G63G32A DL80G4**	44/47	87
2.3	3010	0.95	612.80	**G63G32C DL80G4**		88
2.5	2700	1.05	549.68			
2.8	2430	1.15	494.71			
3.2	2120	1.30	431.60			
3.6	1900	1.45	386.67			
4.1	1680	1.65	343.00			
4.6	1480	1.80	301.31			

n2 [1/min]	T2 [Nm]	cG	i	Typ	Wymiary Strona	~kg
0.75 kW						
3.5	1990	0.80	404.94	**G53G22A DL80G4**	43/47	59
3.8	1830	0.90	372.73	**G53G22C DL80G4**		61
4.2	1640	1.00	333.14			
4.7	1450	1.10	295.82			
5.3	1290	1.25	262.14			
6.1	1130	1.45	229.46			
6.8	1020	1.60	207.08			
7.3	935	1.75	190.61			
7.5	955	1.70	186.77	**G53A DL80G4**	43	55
8.4	850	1.90	165.96	**G53C DL80G4**		56
9.4	760	2.1	148.78			
10	685	2.4	134.34			
11	625	2.6	122.04			
13	570	2.9	111.58			
14	510	3.2	100.12			
15	460	3.5	90.36			
8.8	815	1.10	158.99	**G43A DL80G4**	42	33
9.9	720	1.20	140.75	**G43C DL80G4**		33
11	645	1.35	125.69			
12	580	1.50	113.03			
14	525	1.65	102.26			
15	475	1.85	93.21			
17	425	2.1	83.15			
19	380	2.3	74.59			
25	290	3.0	56.95			
27	265	3.3	51.52			
30	240	3.6	46.96			
12	595	0.80	116.36	**G33A DL80G4**	41	22
14	530	0.90	103.11	**G33C DL80G4**		22
15	470	1.00	91.99			
17	420	1.15	82.51			
19	385	1.25	74.99			
21	340	1.40	66.12			
24	300	1.60	58.56			
27	265	1.80	51.70			
34	210	2.3	40.87			
38	188	2.5	36.66			
42	170	2.7	33.32			
48	150	2.9	29.38			
54	133	3.2	26.02			
55	131	3.7	25.67	**G32A DL80G4**	41	22
				G32C DL80G4		22
26	275	0.85	53.51	**G23A DL80G4**	40	17
30	245	0.95	47.44	**G23C DL80G4**		17
34	210	1.10	41.53			
38	187	1.25	36.59			
43	166	1.40	32.44			
48	148	1.60	28.90			
54	133	1.75	25.95			
62	116	2.00	22.65			
71	101	2.3	19.83			
64	112	2.1	21.82	**G22A DL80G4**	40	17
73	98	2.4	19.18	**G22C DL80G4**		17
82	87	2.7	17.00			
92	78	3.0	15.16			
103	70	3.3	13.60			
113	63	3.7	12.36			

n2	T2	cG	i	Typ	Wymiary	~kg
[1/min]	[Nm]				Strona	
0.75 kW						
50	143	0.80	27.95	**G13A DL80G4**	39	14
57	125	0.95	24.52	**G13C DL80G4**		14
65	110	1.05	21.59			
76	94	1.25	18.39	**G12A DL80G4**	39	14
87	82	1.40	16.08	**G12C DL80G4**		14
99	72	1.60	14.16			
111	64	1.80	12.56			
125	57	2.0	11.19			
139	51	2.2	10.04			
160	45	2.4	8.77			
182	39	2.5	7.68			
198	36	2.7	7.06			
225	32	2.9	6.22			
254	28	3.1	5.51			
285	25	3.3	4.91			
318	23	3.5	4.41			
364	20	3.8	3.85			
415	17	4.0	3.37			
114	63	0.95	12.26	**G02A DL80G4**	38	14
132	54	1.10	10.58	**G02C DL80G4**		14
152	47	1.25	9.18			
175	41	1.35	8.02			
199	36	1.40	7.02			
232	31	1.50	6.04			
269	27	1.60	5.21			
310	23	1.75	4.52			
355	20	1.85	3.95			
405	18	2.00	3.46			
1.1 kW						
0.92	10960	0.80	1543.6	**G83G42A DL90S4**	46/47	217
1.00	10090	0.90	1420.8	**G83G42C DL90S4**		223
1.0	9970	0.90	1404.1			
1.1	9020	1.00	1269.9			
1.1	8980	1.00	1264.7			
1.3	8060	1.10	1135.5			
1.3	8010	1.10	1127.6			
1.4	7100	1.25	999.24			
1.5	6920	1.30	974.05			
1.6	6460	1.40	908.94			
1.7	5980	1.50	841.95			
1.7	5810	1.55	818.69			
1.9	5220	1.70	735.08			
1.9	5200	1.65	731.87			
2.2	4580	1.95	645.52			
2.5	4070	2.2	573.21			
2.8	3610	2.5	507.95			
3.1	3280	2.7	462.05			
3.4	2960	3.0	416.17			
3.8	2650	3.4	373.66			
4.4	2280	3.9	320.53			

n2	T2	cG	i	Typ	Wymiary	~kg
[1/min]	[Nm]				Strona	
1.1 kW						
1.6	6140	0.80	864.03	**G73G32A DL90S4**	45/47	137
1.7	5930	0.80	834.86	**G73G32C DL90S4**		139
1.9	5190	0.95	731.12			
2.0	5130	0.95	722.33			
2.2	4650	1.05	655.34			
2.2	4650	1.05	655.31			
2.4	4120	1.20	580.73			
2.5	4030	1.20	567.65			
2.8	3650	1.35	513.62			
2.8	3630	1.35	511.16			
3.0	3310	1.50	466.28			
3.2	3180	1.55	447.65			
3.4	2950	1.65	415.75			
3.5	2880	1.70	406.12			
4.0	2500	1.95	351.79			
4.5	2260	2.2	318.30			
4.9	2050	2.4	288.96			
5.5	1830	2.7	257.65			
2.9	3510	0.80	494.71	**G63G32A DL90S4**	44/47	90
3.2	3140	0.90	441.93	**G63G32C DL90S4**		91
3.3	3070	0.90	431.60			
3.7	2760	1.00	388.99			
3.7	2750	1.00	386.67			
4.1	2470	1.15	347.64			
4.1	2440	1.15	343.00			
4.6	2190	1.30	308.06			
4.7	2140	1.25	301.31			
5.2	1930	1.45	271.16			
6.0	1690	1.65	237.47			
6.4	1640	1.70	221.95	**G63A DL90S4**	44	83
7.1	1480	1.90	199.76	**G63C DL90S4**		83
7.8	1340	2.1	181.12			
8.6	1220	2.3	165.23			
9.3	1120	2.5	151.99			
10	1010	2.8	137.17			
11	920	3.0	124.54			
12	850	3.3	115.14			
14	765	3.6	103.72			
5.4	1860	0.85	262.14	**G53G22A DL90S4**	43/47	63
6.2	1630	1.00	229.46	**G53G22C DL90S4**		64
6.9	1470	1.10	207.08			
7.4	1350	1.20	190.61			
8.6	1230	1.35	165.96	**G53A DL90S4**	43	58
9.5	1100	1.50	148.78	**G53C DL90S4**		59
11	995	1.65	134.34			
12	905	1.80	122.04			
13	825	1.95	111.58			
14	740	2.2	100.12			
16	670	2.4	90.36			
17	615	2.6	83.17			
19	550	3.0	74.34			
22	490	3.3	66.01			
24	435	3.8	58.49			

n2 [1/min]	T2 [Nm]	cG	i	Typ	Wymiary Strona	~kg
1.1 kW						
10	1040	0.85	140.75	**G43A DL90S4**	42	36
11	930	0.95	125.69	**G43C DL90S4**		37
13	835	1.05	113.03			
14	755	1.15	102.26			
15	690	1.25	93.21			
17	615	1.40	83.15			
19	550	1.60	74.59			
21	500	1.75	67.67			
24	445	1.95	59.97			
25	420	2.1	56.95			
28	380	2.3	51.52			
30	345	2.5	46.96			
34	310	2.8	41.89			
38	280	3.1	37.58			
42	250	3.5	34.09			
47	225	3.9	30.21			
17	610	0.80	82.51	**G33A DL90S4**	41	25
19	555	0.85	74.99	**G33C DL90S4**		25
21	490	1.00	66.12			
24	435	1.10	58.56			
27	390	1.25	52.40			
27	380	1.25	51.70			
31	335	1.45	45.61			
35	300	1.60	40.87			
39	270	1.75	36.66			
43	245	1.85	33.32			
48	215	2.0	29.38			
55	192	2.2	26.02			
61	172	2.4	23.28			
70	150	2.6	20.27			
55	190	2.5	25.67	**G32A DL90S4**	41	25
62	170	2.8	22.92	**G32C DL90S4**		25
69	152	3.2	20.61			
76	138	3.5	18.65			
84	126	3.8	17.00			
39	270	0.85	36.59	**G23A DL90S4**	40	20
44	240	0.95	32.44	**G23C DL90S4**		20
49	215	1.10	28.90			
55	192	1.20	25.95			
63	168	1.35	22.65			
72	147	1.60	19.83			
74	142	1.65	19.18	**G22A DL90S4**	40	20
84	126	1.85	17.00	**G22C DL90S4**		20
94	112	2.1	15.16			
104	101	2.3	13.60			
115	91	2.5	12.36			
130	81	2.9	10.90			
147	71	3.2	9.65			
164	64	3.4	8.64			
189	56	3.8	7.52			
202	52	3.2	7.04			
225	47	3.5	6.31			

n2 [1/min]	T2 [Nm]	cG	i	Typ	Wymiary Strona	~kg
1.1 kW						
88	119	1.00	16.08	**G12A DL90S4**	39	17
100	105	1.10	14.16	**G12C DL90S4**		18
113	93	1.25	12.56			
127	83	1.40	11.19			
141	74	1.50	10.04			
162	65	1.65	8.77			
185	57	1.75	7.68			
201	52	1.85	7.06			
228	46	2.0	6.22			
258	41	2.1	5.51			
289	36	2.3	4.91			
322	33	2.4	4.41			
369	28	2.6	3.85			
421	25	2.8	3.37			
1.5 kW						
1.2	11110	0.80	1135.5	**G83G42A DL90L4**	46/47	218
1.2	11040	0.80	1127.6	**G83G42C DL90L4**		225
1.4	9780	0.90	999.24			
1.4	9530	0.95	974.05			
1.5	8900	1.00	908.94			
1.7	8240	1.10	841.95			
1.7	8010	1.10	818.69			
1.9	7190	1.25	735.08			
1.9	7160	1.20	731.87			
2.2	6320	1.40	645.52			
2.5	5610	1.60	573.21			
2.8	4970	1.80	507.95			
3.0	4520	1.95	462.05			
3.4	4070	2.2	416.17			
3.8	3660	2.4	373.66			
4.4	3140	2.8	320.53			
2.4	5680	0.85	580.73	**G73G32A DL90L4**	45/47	139
2.5	5560	0.90	567.65	**G73G32C DL90L4**		140
2.7	5030	0.95	513.62			
2.7	5000	1.00	511.16			
3.0	4560	1.05	466.28			
3.1	4380	1.10	447.65			
3.4	4070	1.20	415.75			
3.5	3980	1.25	406.12			
4.0	3440	1.40	351.79			
4.4	3120	1.55	318.30			
4.9	2830	1.75	288.96			
5.5	2520	1.95	257.65			
4.0	3400	0.80	347.64	**G63G32A DL90L4**	44/47	92
4.1	3360	0.85	343.00	**G63G32C DL90L4**		93
4.6	3020	0.95	308.06			
4.7	2950	0.90	301.31			
5.2	2650	1.05	271.16			
5.9	2320	1.20	237.47			

Motoreduktory Walcowe G

n2 [1/min]	T2 [Nm]	cG	i	Typ	Wymiary Strona	~kg
1.5 kW						
6.3	2260	1.25	221.95	**G63A DL90L4**	44	84
7.0	2040	1.35	199.76	**G63C DL90L4**		85
7.8	1850	1.50	181.12			
8.5	1680	1.65	165.23			
9.2	1550	1.80	151.99			
10	1400	2.0	137.17			
11	1270	2.2	124.54			
12	1170	2.4	115.14			
14	1060	2.6	103.72			
15	950	3.0	92.94			
17	850	3.3	83.23			
6.8	2030	0.80	207.08	**G53G22A DL90L4**	43/47	64
7.4	1870	0.85	190.61	**G53G22C DL90L4**		66
8.5	1690	0.95	165.96	**G53A DL90L4**	43	59
9.4	1520	1.05	148.78	**G53C DL90L4**		61
10	1370	1.20	134.34			
12	1240	1.30	122.04			
13	1140	1.45	111.58			
14	1020	1.60	100.12			
16	920	1.75	90.36			
17	850	1.90	83.17			
19	760	2.1	74.34			
21	675	2.4	66.01			
24	595	2.7	58.49			
27	520	3.1	51.20			
30	470	3.5	46.21			
33	435	3.8	42.53			
14	1040	0.85	102.26	**G43A DL90L4**	42	38
15	950	0.90	93.21	**G43C DL90L4**		38
17	850	1.05	83.15			
19	760	1.15	74.59			
21	690	1.25	67.67			
23	610	1.45	59.97			
25	580	1.50	56.95			
27	525	1.65	51.52			
30	480	1.85	46.96			
34	425	2.0	41.89			
37	385	2.3	37.58			
41	350	2.5	34.09			
47	310	2.8	30.21			
53	270	3.2	26.59			
60	235	3.4	23.29			
52	275	3.2	26.83	**G42A DL90L4**	42	38
58	245	3.5	24.23	**G42C DL90L4**		38
64	225	3.8	22.01			
24	595	0.80	58.56	**G33A DL90L4**	41	27
27	535	0.90	52.40	**G33C DL90L4**		27
27	525	0.90	51.70			
31	465	1.05	45.61			
34	415	1.15	40.87			
38	375	1.25	36.66			
42	340	1.35	33.32			
48	300	1.45	29.38			
54	265	1.60	26.02			
60	235	1.70	23.28			
69	205	1.85	20.27			

n2 [1/min]	T2 [Nm]	cG	i	Typ	Wymiary Strona	~kg
1.5 kW						
55	260	1.85	25.67	**G32A DL90L4**	41	27
61	235	2.1	22.92	**G32C DL90L4**		27
68	210	2.3	20.61			
75	190	2.5	18.65			
83	173	2.8	17.00			
93	155	3.1	15.16			
103	139	3.5	13.60			
114	126	3.8	12.34			
49	295	0.80	28.90	**G23A DL90L4**	40	22
54	265	0.90	25.95	**G23C DL90L4**		22
62	230	1.00	22.65			
71	200	1.15	19.83			
73	196	1.20	19.18	**G22A DL90L4**	40	22
83	173	1.35	17.00	**G22C DL90L4**		22
93	155	1.50	15.16			
103	139	1.70	13.60			
114	126	1.85	12.36			
129	111	2.1	10.90			
146	98	2.3	9.65			
163	88	2.5	8.64			
187	77	2.7	7.52			
200	72	2.3	7.04			
222	64	2.5	6.31			
245	59	3.4	5.74			
278	52	3.5	5.06			
314	46	3.7	4.48			
350	41	3.8	4.01			
403	36	4.0	3.49			
99	144	0.80	14.16	**G12A DL90L4**	39	19
112	128	0.90	12.56	**G12C DL90L4**		19
126	114	1.05	11.19			
140	102	1.10	10.04			
160	89	1.20	8.77			
183	78	1.30	7.68			
199	72	1.35	7.06			
226	63	1.45	6.22			
255	56	1.55	5.51			
286	50	1.65	4.91			
319	45	1.75	4.41			
365	39	1.90	3.85			
417	34	2.0	3.37			
2.2 kW						
1.9	10480	0.85	735.08	**G83G42A DL100L4**	46/47	224
1.9	10430	0.85	731.87	**G83G42C DL100L4**		230
2.2	9200	0.95	645.52			
2.5	8170	1.10	573.21			
2.8	7240	1.25	507.95			
3.1	6590	1.35	462.05			
3.4	5930	1.50	416.17			
3.8	5330	1.65	373.66			
4.4	4570	1.95	320.53			
5.0	4070	2.2	285.24			

KEB

n2 [1/min]	T2 [Nm]	cG	i	Typ	Wymiary Strona	~kg
2.2 kW						
3.4	5930	0.80	415.75	**G73G32A DL100L4**	45/47	145
3.5	5790	0.85	406.12	**G73G32C DL100L4**		147
4.0	5010	0.95	351.79			
4.4	4540	1.10	318.30			
4.9	4120	1.20	288.96			
5.5	3670	1.35	257.65			
5.6	3730	1.30	250.97	**G73A DL100L4**	45	142
6.2	3390	1.45	228.26	**G73C DL100L4**		143
6.8	3100	1.55	208.90			
7.3	2870	1.70	193.61			
8.1	2610	1.85	175.48			
8.8	2380	2.1	160.04			
9.5	2200	2.2	148.43			
11	2000	2.4	134.48			
12	1820	2.7	122.32			
13	1640	3.0	110.37			
14	1490	3.3	100.13			
6.0	3380	0.85	237.47	**G63G32A DL100L4**	44/47	98
				G63G32C DL100L4		99
7.1	2970	0.95	199.76	**G63A DL100L4**	44	90
7.8	2690	1.05	181.12	**G63C DL100L4**		90
8.6	2450	1.15	165.23			
9.3	2260	1.25	151.99			
10	2040	1.35	137.17			
11	1850	1.50	124.54			
12	1710	1.65	115.14			
14	1540	1.80	103.72			
15	1380	2.0	92.94			
17	1240	2.3	83.23			
19	1110	2.5	74.91			
11	1990	0.80	134.34	**G53A DL100L4**	43	65
12	1810	0.90	122.04	**G53C DL100L4**		67
13	1660	1.00	111.58			
14	1490	1.10	100.12			
16	1340	1.20	90.36			
17	1230	1.30	83.17			
19	1100	1.45	74.34			
21	980	1.65	66.01			
24	870	1.85	58.49			
28	760	2.1	51.20			
31	685	2.4	46.21			
33	630	2.6	42.53			
37	565	2.9	38.01			
42	500	3.2	33.76			
47	445	3.5	29.91			
53	395	3.8	26.62			
45	465	2.4	31.19	**G52A DL100L4**	43	65
50	420	2.7	28.45	**G52C DL100L4**		67
54	390	3.4	26.17			

n2 [1/min]	T2 [Nm]	cG	i	Typ	Wymiary Strona	~kg
2.2 kW						
19	1110	0.80	74.59	**G43A DL100L4**	42	43
21	1000	0.85	67.67	**G43C DL100L4**		44
24	890	1.00	59.97			
25	845	1.05	56.95			
27	765	1.15	51.52			
30	695	1.25	46.96			
34	620	1.40	41.89			
38	560	1.55	37.58			
42	505	1.75	34.09			
47	450	1.95	30.21			
53	395	2.2	26.59			
61	345	2.3	23.29			
69	305	2.4	20.45			
53	400	2.2	26.83	**G42A DL100L4**	42	43
58	360	2.4	24.23	**G42C DL100L4**		44
64	325	2.6	22.01			
70	300	2.9	20.12			
78	270	3.3	18.06			
87	240	3.5	16.30			
94	225	3.7	15.00			
35	605	0.80	40.87	**G33A DL100L4**	41	33
39	545	0.85	36.66	**G33C DL100L4**		33
42	495	0.95	33.32			
48	435	1.00	29.38			
54	385	1.10	26.02			
61	345	1.15	23.28			
70	300	1.30	20.27			
62	340	1.40	22.92	**G32A DL100L4**	41	33
69	305	1.55	20.61	**G32C DL100L4**		33
76	275	1.75	18.65			
83	250	1.90	17.00			
93	225	2.1	15.16			
104	200	2.4	13.60			
115	183	2.6	12.34			
129	162	2.9	10.93			
147	143	3.1	9.63			
168	125	3.3	8.43			
191	110	3.5	7.40			
216	97	3.3	6.54			
238	88	3.7	5.94			
269	78	3.9	5.26			
83	250	0.90	17.00	**G22A DL100L4**	40	28
93	225	1.05	15.16	**G22C DL100L4**		28
104	200	1.15	13.60			
114	184	1.25	12.36			
130	162	1.45	10.90			
147	143	1.60	9.65			
164	128	1.70	8.64			
188	112	1.90	7.52			
201	105	1.60	7.04			
224	94	1.75	6.31			
247	85	2.3	5.74			
280	75	2.4	5.06			
316	67	2.5	4.48			
353	60	2.6	4.01			
405	52	2.7	3.49			

n2	T2	cG	i	Typ	Wymiary	~kg
[1/min]	[Nm]				Strona	
3.0 kW						
2.5	11020	0.80	573.21	**G83G42A DL100LX4**	46/47	227
2.8	9770	0.90	507.95	**G83G42C DL100LX4**		234
3.1	8890	1.00	462.05			
3.4	8000	1.10	416.17			
3.8	7190	1.25	373.66			
4.5	6160	1.45	320.53			
5.0	5490	1.60	285.24			
4.5	6120	0.80	318.30	**G73G32A DL100LX4**	45/47	149
4.9	5560	0.90	288.96	**G73G32C DL100LX4**		150
5.6	4960	1.00	257.65			
5.7	5030	0.95	250.97	**G73A DL100LX4**	45	146
6.3	4570	1.05	228.26	**G73C DL100LX4**		147
6.8	4190	1.15	208.90			
7.4	3880	1.25	193.61			
8.1	3520	1.40	175.48			
8.9	3210	1.50	160.04			
9.6	2970	1.65	148.43			
11	2690	1.80	134.48			
12	2450	2.00	122.32			
13	2210	2.2	110.37			
14	2010	2.4	100.13			
8.7	3310	0.85	165.23	**G63A DL100LX4**	44	93
9.4	3050	0.90	151.99	**G63C DL100LX4**		94
10	2750	1.00	137.17			
11	2500	1.10	124.54			
12	2310	1.20	115.14			
14	2080	1.35	103.72			
15	1860	1.50	92.94			
17	1670	1.70	83.23			
19	1500	1.85	74.91			
32	905	2.8	45.13			
35	810	3.0	40.41			
39	730	3.2	36.37			
46	625	3.3	31.16	**G62A DL100LX4**	44	93
50	570	3.5	28.42	**G62C DL100LX4**		94
14	2010	0.80	100.12	**G53A DL100LX4**	43	68
16	1810	0.90	90.36	**G53C DL100LX4**		70
17	1670	1.00	83.17			
19	1490	1.10	74.34			
22	1320	1.25	66.01			
24	1170	1.40	58.49			
28	1030	1.60	51.20			
31	925	1.75	46.21			
34	850	1.90	42.53			
38	760	2.1	38.01			
42	675	2.4	33.76			
48	600	2.6	29.91			
54	535	2.8	26.62			
46	625	1.80	31.19	**G52A DL100LX4**	43	68
50	570	1.95	28.45	**G52C DL100LX4**		70
55	525	2.5	26.17			
61	475	2.8	23.62			
67	430	3.0	21.45			
72	395	3.5	19.83			

n2	T2	cG	i	Typ	Wymiary	~kg
[1/min]	[Nm]				Strona	
3.0 kW						
28	1030	0.85	51.52	**G43A DL100LX4**	42	46
30	940	0.95	46.96	**G43C DL100LX4**		47
34	840	1.05	41.89			
38	755	1.15	37.58			
42	685	1.30	34.09			
47	605	1.45	30.21			
54	535	1.60	26.59			
61	465	1.70	23.29			
70	410	1.80	20.45			
53	540	1.65	26.83	**G42A DL100LX4**	42	46
59	485	1.80	24.23	**G42C DL100LX4**		47
65	440	1.95	22.01			
71	405	2.1	20.12			
79	360	2.4	18.06			
88	325	2.6	16.30			
95	300	2.7	15.00			
107	270	3.0	13.41			
120	240	3.2	11.90			
55	520	0.80	26.02	**G33A DL100LX4**	41	36
61	465	0.85	23.28	**G33C DL100LX4**		36
71	405	0.95	20.27			
62	460	1.05	22.92	**G32A DL100LX4**	41	36
69	415	1.15	20.61	**G32C DL100LX4**		36
77	375	1.30	18.65			
84	340	1.40	17.00			
94	305	1.60	15.16			
105	270	1.75	13.60			
116	245	1.95	12.34			
131	220	2.1	10.93			
149	193	2.3	9.63			
170	169	2.5	8.43			
193	148	2.6	7.40			
219	131	2.4	6.54			
241	119	2.7	5.94			
272	105	2.9	5.26			
309	93	3.1	4.63			
353	81	3.4	4.06			
401	71	3.6	3.56			
105	270	0.85	13.60	**G22A DL100LX4**	40	31
116	250	0.95	12.36	**G22C DL100LX4**		32
131	220	1.05	10.90			
148	193	1.20	9.65			
166	173	1.25	8.64			
190	151	1.40	7.52			
203	141	1.20	7.04			
226	127	1.30	6.31			
249	115	1.70	5.74			
283	101	1.80	5.06			
319	90	1.90	4.48			
357	80	1.95	4.01			
410	70	2.0	3.49			
4.0 kW						
3.4	10640	0.85	416.17	**G83G42A DL112M4**	46/47	240
3.8	9550	0.95	373.66	**G83G42C DL112M4**		246
4.5	8190	1.10	320.53			
5.0	7290	1.20	285.24			

n2 [1/min]	T2 [Nm]	cG	i	Typ	Wymiary Strona	~kg
4.0 kW						
6.3	6080	0.80	228.26	**G73A DL112M4**	45	158
6.9	5560	0.90	208.90	**G73C DL112M4**		159
7.4	5150	0.95	193.61			
8.2	4670	1.05	175.48			
9.0	4260	1.15	160.04			
9.7	3950	1.25	148.43			
11	3580	1.35	134.48			
12	3260	1.50	122.32			
13	2940	1.65	110.37			
14	2670	1.85	100.13			
30	1260	3.9	47.41			
12	3320	0.85	124.54	**G63A DL112M4**	44	106
12	3070	0.90	115.14	**G63C DL112M4**		107
14	2760	1.00	103.72			
15	2470	1.15	92.94			
17	2220	1.25	83.23			
19	1990	1.40	74.91			
32	1200	2.1	45.13			
36	1080	2.3	40.41			
39	970	2.4	36.37			
46	830	2.5	31.16	**G62A DL112M4**	44	106
50	755	2.7	28.42	**G62C DL112M4**		107
54	700	3.0	26.36			
19	1980	0.80	74.34	**G53A DL112M4**	43	82
22	1760	0.95	66.01	**G53C DL112M4**		83
25	1560	1.05	58.49			
28	1360	1.20	51.20			
31	1230	1.30	46.21			
34	1130	1.45	42.53			
38	1010	1.60	38.01			
43	900	1.80	33.76			
48	795	1.95	29.91			
54	710	2.1	26.62			
46	830	1.35	31.19	**G52A DL112M4**	43	82
50	755	1.50	28.45	**G52C DL112M4**		83
55	695	1.90	26.17			
61	630	2.1	23.62			
67	570	2.3	21.45			
72	530	2.6	19.83			
80	475	3.0	17.86			
90	425	3.2	16.01			
34	1120	0.80	41.89	**G43A DL112M4**	42	59
38	1000	0.85	37.58	**G43C DL112M4**		60
42	910	0.95	34.09			
48	805	1.10	30.21			
54	710	1.20	26.59			
62	620	1.30	23.29			
70	545	1.35	20.45			

n2 [1/min]	T2 [Nm]	cG	i	Typ	Wymiary Strona	~kg
4.0 kW						
59	645	1.35	24.23	**G42A DL112M4**	42	59
65	585	1.45	22.01	**G42C DL112M4**		60
71	535	1.60	20.12			
79	480	1.80	18.06			
88	435	1.95	16.30			
96	400	2.0	15.00			
107	355	2.3	13.41			
121	315	2.4	11.90			
136	280	2.6	10.55			
153	250	2.7	9.39			
211	181	2.6	6.82			
70	550	0.90	20.61	**G32A DL112M4**	41	49
77	495	0.95	18.65	**G32C DL112M4**		49
84	450	1.05	17.00			
95	405	1.20	15.16			
106	360	1.35	13.60			
116	330	1.45	12.34			
131	290	1.60	10.93			
149	255	1.70	9.63			
170	225	1.85	8.43			
194	197	2.00	7.40			
219	174	1.85	6.54			
242	158	2.1	5.94			
273	140	2.2	5.26			
310	123	2.4	4.63			
354	108	2.5	4.06			
403	95	2.7	3.56			
5.5 kW						
4.5	11150	0.80	320.53	**G83G42A DA132S4**	46/47	247
5.1	9920	0.90	285.24	**G83G42C DA132S4**		254
5.9	8500	1.05	244.36			
6.7	7500	1.20	215.53			
7.8	6770	1.30	186.96	**G83A DA132S4**	46	232
8.5	6190	1.45	170.93	**G83C DA132S4**		239
9.2	5720	1.55	158.00			
10	5200	1.70	143.59			
11	4750	1.85	131.06			
12	4300	2.1	118.71			
13	3920	2.3	108.13			
15	3430	2.6	94.72			
17	3120	2.9	86.16			
19	2810	3.2	77.61			
21	2520	3.5	69.68			

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n2	T2	cG	i	Typ	Wymiary	~kg
[1/min]	[Nm]				Strona	
5.5 kW						
9.1	5800	0.85	160.04	**G73A DA132S4**	45	164
9.8	5380	0.90	148.43	**G73C DA132S4**		165
11	4870	1.00	134.48			
12	4430	1.10	122.32			
13	4000	1.20	110.37			
14	3630	1.35	100.13			
17	3140	1.55	86.74			
18	2840	1.70	78.48			
20	2580	1.90	71.25			
23	2300	2.1	63.53			
27	1950	2.5	53.88			
31	1720	2.8	47.41			
35	1490	3.2	41.07			
39	1350	3.4	37.16			
43	1220	3.7	33.74			
48	1090	4.0	30.08			
16	3370	0.85	92.94	**G63A DA132S4**	44	114
17	3020	0.95	83.23	**G63C DA132S4**		114
19	2710	1.05	74.91			
22	2370	1.20	65.35			
25	2120	1.30	58.55			
28	1880	1.45	51.94			
32	1630	1.55	45.13			
36	1460	1.65	40.41			
40	1320	1.80	36.37			
46	1150	1.95	31.73			
51	1030	2.1	28.43			
57	915	2.3	25.22			
65	800	2.5	22.15			
47	1130	1.80	31.16	**G62A DA132S4**	44	114
51	1030	1.95	28.42	**G62C DA132S4**		114
55	955	2.2	26.36			
61	865	2.5	23.88			
67	785	2.7	21.72			
74	710	3.0	19.60			
28	1850	0.90	51.20	**G53A DA132S4**	43	89
31	1670	0.95	46.21	**G53C DA132S4**		90
34	1540	1.05	42.53			
38	1380	1.20	38.01			
43	1220	1.35	33.76			
48	1080	1.45	29.91			
54	965	1.55	26.62			
64	825	1.75	22.80			
72	730	1.85	20.11			
61	855	1.55	23.62	**G52A DA132S4**	43	89
68	775	1.65	21.45	**G52C DA132S4**		90
73	720	1.95	19.83			
81	645	2.2	17.86			
91	580	2.3	16.01			
101	520	2.6	14.33			
112	465	2.7	12.90			
129	410	2.9	11.25			
48	1090	0.80	30.21	**G43A DA132S4**	42	67
55	965	0.90	26.59	**G43C DA132S4**		68
62	845	0.95	23.29			
71	740	1.00	20.45			

n2	T2	cG	i	Typ	Wymiary	~kg
[1/min]	[Nm]				Strona	
5.5 kW						
80	655	1.35	18.06	**G42A DA132S4**	42	67
89	590	1.45	16.30	**G42C DA132S4**		68
97	545	1.50	15.00			
108	485	1.65	13.41			
122	430	1.75	11.90			
137	380	1.90	10.55			
154	340	2.00	9.39			
180	290	2.2	8.04			
204	255	2.3	7.09			
213	245	1.90	6.82			
240	220	2.1	6.05			
270	194	2.3	5.36			
304	173	2.5	4.77			
355	148	2.7	4.09			
402	131	2.9	3.61			
96	550	0.90	15.16	**G32A DA132S4**	41	57
107	495	1.00	13.60	**G32C DA132S4**		57
118	445	1.10	12.34			
133	395	1.20	10.93			
151	350	1.25	9.63			
172	305	1.35	8.43			
196	270	1.45	7.40			
222	235	1.35	6.54			
244	215	1.50	5.94			
276	191	1.60	5.26			
313	168	1.75	4.63			
358	147	1.85	4.06			
407	129	2.0	3.56			
7.5 kW						
6.7	10220	0.85	215.53	**G83G42A DA132M4**	46/47	252
				G83G42C DA132M4		258
7.8	9240	0.95	186.96	**G83A DA132M4**	46	237
8.5	8440	1.05	170.93	**G83C DA132M4**		243
9.2	7800	1.15	158.00			
10	7090	1.25	143.59			
11	6470	1.35	131.06			
12	5860	1.50	118.71			
13	5340	1.65	108.13			
15	4680	1.90	94.72			
17	4260	2.1	86.16			
19	3830	2.3	77.61			
21	3440	2.6	69.68			
24	2950	3.0	59.77			
12	6040	0.80	122.32	**G73A DA132M4**	45	169
13	5450	0.90	110.37	**G73C DA132M4**		170
14	4950	1.00	100.13			
17	4280	1.15	86.74			
18	3880	1.25	78.48			
20	3520	1.40	71.25			
23	3140	1.55	63.53			
27	2660	1.85	53.88			
31	2340	2.1	47.41			
35	2030	2.4	41.07			
39	1840	2.5	37.16			
43	1670	2.7	33.74			
48	1490	2.9	30.08			
57	1260	3.3	25.51			

KEB

n2 [1/min]	T2 [Nm]	cG	i	Typ	Wymiary Strona	~kg
7.5 kW						
56	1290	3.2	26.11	**G72A DA132M4**	45	169
61	1170	3.6	23.65	**G72C DA132M4**		170
22	3230	0.85	65.35	**G63A DA132M4**	44	118
25	2890	0.95	58.55	**G63C DA132M4**		119
28	2570	1.05	51.94			
32	2230	1.15	45.13			
36	2000	1.25	40.41			
40	1800	1.30	36.37			
46	1570	1.45	31.73			
51	1400	1.55	28.43			
57	1250	1.65	25.22			
65	1090	1.80	22.15			
47	1540	1.35	31.16	**G62A DA132M4**	44	118
51	1400	1.45	28.42	**G62C DA132M4**		119
55	1300	1.65	26.36			
61	1180	1.85	23.88			
67	1070	1.95	21.72			
74	970	2.2	19.60			
82	880	2.3	17.78			
94	760	2.5	15.40			
104	690	2.7	13.94			
38	1880	0.85	38.01	**G53A DA132M4**	43	93
43	1670	1.00	33.76	**G53C DA132M4**		95
48	1480	1.05	29.91			
54	1310	1.15	26.62			
64	1130	1.25	22.80			
72	995	1.35	20.11			
61	1170	1.10	23.62	**G52A DA132M4**	43	93
68	1060	1.20	21.45	**G52C DA132M4**		95
73	980	1.40	19.83			
81	880	1.60	17.86			
91	790	1.70	16.01			
101	710	1.90	14.33			
112	635	2.00	12.90			
129	555	2.1	11.25			
144	500	2.3	10.08			
162	440	2.4	8.94			
185	390	2.6	7.86			
206	345	2.3	7.02			
229	310	2.5	6.32			
80	890	1.00	18.06	**G42A DA132M4**	42	71
89	805	1.05	16.30	**G42C DA132M4**		72
97	740	1.10	15.00			
108	660	1.20	13.41			
122	590	1.30	11.90			
137	520	1.40	10.55			
154	465	1.45	9.39			
180	395	1.60	8.04			
204	350	1.70	7.09			
213	335	1.40	6.82			
240	300	1.50	6.05			
270	265	1.65	5.36			
304	235	1.80	4.77			
355	200	2.0	4.09			
402	178	2.2	3.61			

n2 [1/min]	T2 [Nm]	cG	i	Typ	Wymiary Strona	~kg
9.2 kW						
10	8580	1.05	143.59	**G83A DA160MS4**	46	256
11	7830	1.15	131.06	**G83C DA160MS4**		263
12	7100	1.25	118.71			
14	6460	1.40	108.13			
16	5660	1.55	94.72			
17	5150	1.75	86.16			
19	4640	1.90	77.61			
21	4160	2.1	69.68			
25	3570	2.5	59.77			
28	3090	2.9	51.67			
38	2310	3.7	38.61			
42	2070	4.0	34.66			
15	5980	0.80	100.13	**G73A DA160MS4**	45	188
17	5180	0.95	86.74	**G73C DA160MS4**		189
19	4690	1.05	78.48			
21	4260	1.15	71.25			
23	3800	1.30	63.53			
27	3220	1.50	53.88			
31	2830	1.70	47.41			
36	2450	1.95	41.07			
40	2220	2.1	37.16			
44	2020	2.2	33.74			
49	1800	2.4	30.08			
58	1520	2.7	25.51			
68	1300	3.0	21.77			
56	1560	2.6	26.11	**G72A DA160MS4**	45	188
62	1410	2.9	23.65	**G72C DA160MS4**		189
68	1290	3.1	21.55			
25	3500	0.80	58.55	**G63A DA160MS4**	44	139
28	3100	0.85	51.94	**G63C DA160MS4**		139
33	2700	0.95	45.13			
36	2420	1.00	40.41			
40	2170	1.10	36.37			
46	1900	1.20	31.73			
52	1700	1.25	28.43			
58	1510	1.40	25.22			
66	1320	1.50	22.15			
62	1430	1.55	23.88	**G62A DA160MS4**	44	139
68	1300	1.65	21.72	**G62C DA160MS4**		139
75	1170	1.80	19.60			
83	1060	1.90	17.78			
95	920	2.1	15.40			
105	835	2.2	13.94			
116	755	2.4	12.65			
130	675	2.5	11.28			
154	570	2.7	9.57			
180	490	3.0	8.16			
197	445	2.7	7.47			
218	405	2.9	6.76			
44	2020	0.80	33.76	**G53A DA160MS4**	43	114
49	1790	0.85	29.91	**G53C DA160MS4**		116
55	1590	0.95	26.62			
64	1360	1.05	22.80			
73	1200	1.10	20.11			

n2 [1/min]	T2 [Nm]	cG	i	Typ	Wymiary Strona	~kg
9.2 kW						
82	1070	1.35	17.86	**G52A DA160MS4**	43	114
92	955	1.40	16.01	**G52C DA160MS4**		116
103	855	1.55	14.33			
114	770	1.65	12.90			
131	675	1.75	11.25			
146	605	1.90	10.08			
164	535	2.0	8.94			
187	470	2.1	7.86			
209	420	1.95	7.02			
233	380	2.1	6.32			
267	330	2.3	5.51			
298	295	2.5	4.94			
335	260	2.7	4.38			
382	230	2.9	3.85			
110	800	1.00	13.41	**G42A DA160MS4**	42	93
123	710	1.05	11.90	**G42C DA160MS4**		93
139	630	1.15	10.55			
157	560	1.20	9.39			
183	480	1.30	8.04			
207	425	1.40	7.09			
216	405	1.15	6.82			
243	360	1.25	6.05			
274	320	1.35	5.36			
308	285	1.50	4.77			
360	245	1.65	4.09			
408	215	1.80	3.61			
11.0 kW						
10	10260	0.85	143.59	**G83A DA160M4**	46	256
11	9370	0.95	131.06	**G83C DA160M4**		263
12	8480	1.05	118.71			
14	7730	1.15	108.13			
16	6770	1.30	94.72			
17	6160	1.45	86.16			
19	5550	1.60	77.61			
21	4980	1.80	69.68			
25	4270	2.1	59.77			
28	3690	2.4	51.67			
38	2760	3.1	38.61			
42	2480	3.4	34.66			
49	2120	3.7	29.74			
17	6200	0.80	86.74	**G73A DA160M4**	45	188
19	5610	0.85	78.48	**G73C DA160M4**		189
21	5090	0.95	71.25			
23	4540	1.10	63.53			
27	3850	1.25	53.88			
31	3390	1.45	47.41			
36	2940	1.65	41.07			
40	2660	1.75	37.16			
44	2410	1.85	33.74			
49	2150	2.0	30.08			
58	1820	2.3	25.51			
68	1560	2.5	21.77			

n2 [1/min]	T2 [Nm]	cG	i	Typ	Wymiary Strona	~kg
11.0 kW						
56	1870	2.2	26.11	**G72A DA160M4**	45	188
62	1690	2.5	23.65	**G72C DA160M4**		189
68	1540	2.6	21.55			
78	1350	2.9	18.87			
86	1230	3.0	17.17			
95	1110	3.2	15.46			
106	990	3.4	13.88			
123	850	3.7	11.91			
143	735	4.0	10.29			
161	655	3.7	9.15			
177	595	4.0	8.32			
33	3230	0.80	45.13	**G63A DA160M4**	44	139
36	2890	0.85	40.41	**G63C DA160M4**		139
40	2600	0.90	36.37			
46	2270	1.00	31.73			
52	2030	1.05	28.43			
58	1800	1.15	25.22			
66	1580	1.25	22.15			
62	1710	1.30	23.88	**G62A DA160M4**	44	139
68	1550	1.35	21.72	**G62C DA160M4**		139
75	1400	1.50	19.60			
83	1270	1.60	17.78			
95	1100	1.75	15.40			
105	995	1.85	13.94			
116	905	1.95	12.65			
130	805	2.1	11.28			
154	685	2.3	9.57			
180	585	2.5	8.16			
197	535	2.3	7.47			
218	485	2.4	6.76			
55	1900	0.80	26.62	**G53A DA160M4**	43	114
64	1630	0.90	22.80	**G53C DA160M4**		116
73	1440	0.95	20.11			
82	1280	1.10	17.86	**G52A DA160M4**	43	114
92	1140	1.20	16.01	**G52C DA160M4**		116
103	1020	1.30	14.33			
114	920	1.35	12.90			
131	805	1.50	11.25			
146	720	1.60	10.08			
164	640	1.65	8.94			
187	560	1.80	7.86			
209	500	1.60	7.02			
233	450	1.75	6.32			
267	395	1.95	5.51			
298	355	2.1	4.94			
335	315	2.2	4.38			
382	275	2.4	3.85			

n2 [1/min]	T2 [Nm]	cG	i	Typ	Wymiary Strona	~kg
11.0 kW						
110	960	0.85	13.41	**G42A DA160M4**	42	93
123	850	0.90	11.90	**G42C DA160M4**		93
139	755	0.95	10.55			
157	670	1.00	9.39			
183	575	1.10	8.04			
207	505	1.20	7.09			
216	485	0.95	6.82			
243	430	1.05	6.05			
274	385	1.15	5.36			
308	340	1.25	4.77			
360	290	1.40	4.09			
408	260	1.50	3.61			
15.0 kW						
14	10540	0.85	108.13	**G83A DA160L4**	46	275
16	9230	0.95	94.72	**G83C DA160L4**		282
17	8400	1.05	86.16			
19	7560	1.20	77.61			
21	6790	1.30	69.68			
25	5820	1.55	59.77			
28	5030	1.75	51.67			
38	3760	2.3	38.61			
42	3380	2.5	34.66			
49	2900	2.7	29.74			
57	2500	3.0	25.70			
78	1830	3.3	18.81	**G82A DA160L4**	46	275
				G82C DA160L4		282
23	6190	0.80	63.53	**G73A DA160L4**	45	207
27	5250	0.95	53.88	**G73C DA160L4**		209
31	4620	1.05	47.41			
36	4000	1.20	41.07			
40	3620	1.30	37.16			
44	3290	1.35	33.74			
49	2930	1.50	30.08			
58	2490	1.65	25.51			
68	2120	1.85	21.77			
56	2540	1.60	26.11	**G72A DA160L4**	45	207
62	2310	1.80	23.65	**G72C DA160L4**		209
68	2100	1.90	21.55			
78	1840	2.1	18.87			
86	1670	2.2	17.17			
95	1510	2.3	15.46			
106	1350	2.5	13.88			
123	1160	2.7	11.91			
143	1000	2.9	10.29			
161	890	2.7	9.15			
177	810	2.9	8.32			
196	730	3.1	7.50			
52	2770	0.80	28.43	**G63A DA160L4**	44	158
58	2460	0.85	25.22	**G63C DA160L4**		159
66	2160	0.90	22.15			

n2 [1/min]	T2 [Nm]	cG	i	Typ	Wymiary Strona	~kg
15.0 kW						
62	2330	0.95	23.88	**G62A DA160L4**	44	158
68	2120	1.00	21.72	**G62C DA160L4**		159
75	1910	1.10	19.60			
83	1730	1.15	17.78			
95	1500	1.30	15.40			
105	1360	1.35	13.94			
116	1230	1.45	12.65			
130	1100	1.55	11.28			
154	930	1.70	9.57			
180	795	1.85	8.16			
197	730	1.70	7.47			
218	660	1.80	6.76			
240	600	1.90	6.13			
269	535	2.1	5.47			
317	450	2.3	4.64			
371	385	2.6	3.96			
82	1740	0.80	17.86	**G52A DA160L4**	43	134
92	1560	0.85	16.01	**G52C DA160L4**		135
103	1400	0.95	14.33			
114	1260	1.00	12.90			
131	1100	1.10	11.25			
146	985	1.15	10.08			
164	870	1.25	8.94			
187	765	1.30	7.86			
209	685	1.20	7.02			
233	615	1.30	6.32			
267	535	1.40	5.51			
298	480	1.55	4.94			
335	425	1.65	4.38			
382	375	1.75	3.85			
18.5 kW						
16	11350	0.80	94.72	**G83A DA180M4**	46	304
17	10320	0.85	86.16	**G83C DA180M4**		311
19	9300	0.95	77.61			
21	8350	1.05	69.68			
25	7160	1.25	59.77			
29	6190	1.45	51.67			
33	5380	1.65	44.91			
38	4620	1.85	38.61			
43	4150	2.0	34.66			
50	3560	2.2	29.74			
57	3080	2.5	25.70			
66	2680	2.7	22.34			
78	2250	2.7	18.81	**G82A DA180M4**	46	304
87	2040	2.9	17.01	**G82C DA180M4**		311
100	1770	3.2	14.76			
31	5680	0.85	47.41	**G73A DA180M4**	45	236
36	4920	1.00	41.07	**G73C DA180M4**		238
40	4450	1.05	37.16			
44	4040	1.10	33.74			
49	3600	1.20	30.08			
58	3060	1.35	25.51			
68	2610	1.50	21.77			

n2 [1/min]	T2 [Nm]	cG	i	Typ	Wymiary Strona	~kg
18.5 kW						
62	2830	1.45	23.65	**G72A DA180M4**	45	236
68	2580	1.55	21.55	**G72C DA180M4**		238
78	2260	1.75	18.87			
86	2060	1.80	17.17			
95	1850	1.90	15.46			
106	1660	2.0	13.88			
124	1430	2.2	11.91			
143	1230	2.4	10.29			
161	1100	2.2	9.15			
165	1070	2.6	8.95			
177	995	2.4	8.32			
197	900	2.5	7.50			
219	805	2.7	6.73			
75	2350	0.90	19.60	**G62A DA180M4**	44	189
83	2130	0.95	17.78	**G62C DA180M4**		189
96	1840	1.05	15.40			
106	1670	1.10	13.94			
117	1520	1.15	12.65			
131	1350	1.25	11.28			
154	1150	1.35	9.57			
181	980	1.50	8.16			
198	895	1.35	7.47			
218	810	1.45	6.76			
240	735	1.55	6.13			
270	655	1.70	5.47			
318	555	1.90	4.64			
373	475	2.1	3.96			
114	1550	0.80	12.90	**G52A DA180M4**	43	164
131	1350	0.90	11.25	**G52C DA180M4**		165
146	1210	0.95	10.08			
165	1070	1.00	8.94			
188	940	1.05	7.86			
210	840	0.95	7.02			
233	755	1.05	6.32			
267	660	1.15	5.51			
299	590	1.25	4.94			
337	525	1.35	4.38			
383	460	1.45	3.85			
22.0 kW						
19	11050	0.80	77.61	**G83A DA180L4**	46	334
21	9930	0.90	69.68	**G83C DA180L4**		341
25	8510	1.05	59.77			
29	7360	1.20	51.67			
33	6400	1.40	44.91			
38	5500	1.55	38.61			
43	4940	1.70	34.66			
50	4240	1.85	29.74			
57	3660	2.1	25.70			
66	3180	2.3	22.34			

n2 [1/min]	T2 [Nm]	cG	i	Typ	Wymiary Strona	~kg
22.0 kW						
78	2680	2.3	18.81	**G82A DA180L4**	46	334
87	2420	2.4	17.01	**G82C DA180L4**		341
100	2100	2.7	14.76			
114	1840	3.0	12.91			
130	1620	3.2	11.37			
151	1390	3.3	9.79			
167	1260	3.5	8.85			
192	1090	3.7	7.68			
219	955	4.0	6.72			
249	845	4.3	5.92			
36	5850	0.80	41.07	**G73A DA180L4**	45	266
40	5290	0.90	37.16	**G73C DA180L4**		268
44	4810	0.95	33.74			
49	4280	1.00	30.08			
58	3630	1.15	25.51			
68	3100	1.30	21.77			
62	3370	1.25	23.65	**G72A DA180L4**	45	266
68	3070	1.30	21.55	**G72C DA180L4**		268
78	2690	1.45	18.87			
86	2450	1.55	17.17			
95	2200	1.60	15.46			
106	1980	1.70	13.88			
124	1700	1.85	11.91			
143	1470	2.00	10.29			
161	1300	1.90	9.15			
165	1270	2.1	8.95			
177	1190	2.00	8.32			
197	1070	2.1	7.50			
219	960	2.2	6.73			
255	825	2.4	5.77			
296	710	2.6	4.99			
340	620	2.8	4.34			
83	2530	0.80	17.78	**G62A DA180L4**	44	219
96	2190	0.90	15.40	**G62C DA180L4**		219
106	1990	0.95	13.94			
117	1800	1.00	12.65			
131	1610	1.05	11.28			
154	1360	1.15	9.57			
181	1160	1.25	8.16			
198	1060	1.15	7.47			
218	965	1.25	6.76			
240	875	1.30	6.13			
270	780	1.40	5.47			
318	660	1.60	4.64			
373	565	1.75	3.96			
30.0 kW						
29	10040	0.90	51.67	**G83A DA200L4**	46	371
33	8720	1.00	44.91	**G83C DA200L4**		378
38	7500	1.15	38.61			
43	6730	1.25	34.66			
50	5780	1.35	29.74			
57	4990	1.50	25.70			
66	4340	1.70	22.34			

n2 [1/min]	T2 [Nm]	cG	i	Typ	Wymiary Strona	~kg
30.0 kW						
78	3650	1.65	18.81	**G82A DA200L4**	46	371
87	3300	1.80	17.01	**G82C DA200L4**		378
100	2870	1.95	14.76			
114	2510	2.2	12.91			
130	2210	2.4	11.37			
151	1900	2.4	9.79			
167	1720	2.5	8.85			
192	1490	2.7	7.68			
219	1310	3.0	6.72			
249	1150	3.2	5.92			
78	3670	1.05	18.87	**G72A DA200L4**	45	303
86	3330	1.10	17.17	**G72C DA200L4**		305
95	3000	1.20	15.46			
106	2700	1.25	13.88			
124	2310	1.35	11.91			
143	2000	1.45	10.29			
161	1780	1.40	9.15			
165	1740	1.60	8.95			
177	1620	1.45	8.32			
197	1460	1.55	7.50			
219	1310	1.65	6.73			
255	1120	1.80	5.77			
296	970	1.95	4.99			
340	845	2.1	4.34			

n2 [1/min]	T2 [Nm]	cG	i	Typ	Wymiary Strona	~kg

Motoreduktory Walcowe G dla bardzo niskich prędkości wyjściowych

n2 [1/min]	i	Typ	Wymiary Strona	~kg
8900 Nm				
0.071	19895	**G83G43A DL63K4**	46/47	208
0.082	17193	**G83G43C DL63K4**		215
0.094	15059			
4880 Nm				
0.072	19566	**G73G33A DL63K4**	45/47	129
0.084	16797	**G73G33C DL63K4**		131
0.096	14612			
0.11	12842			
0.12	11381			
0.14	10153			
0.15	9107.3			
0.17	8277.0			
2800 Nm				
0.096	14755	**G63G33A DL63K4**	44/47	82
0.11	12667	**G63G33C DL63K4**		83
0.13	11019			
0.15	9684.6			
0.16	8582.4			
0.18	7656.6			
0.21	6867.9			
0.23	6241.8			
0.26	5503.1			
0.29	4874.0			
1630 Nm				
0.10	13862	**G53G23A DL63K4**	43/47	55
0.12	11843	**G53G23C DL63K4**		56
0.14	10249			
0.16	8958.3			
0.18	7892.3			
0.20	6996.9			
0.22	6278.4			
0.26	5487.9			
0.29	4834.9			
0.33	4286.4			
0.38	3752.8			
0.43	3306.2			
0.48	2931.1			

n2 [1/min]	i	Typ	Wymiary Strona	~kg
875 Nm				
0.11	12756	**G43G23A DL63K4**	42/47	34
0.13	10898	**G43G23C DL63K4**		34
0.15	9431.2			
0.17	8243.8			
0.19	7262.8			
0.22	6438.8			
0.24	5777.7			
0.28	5050.2			
0.32	4449.3			
0.36	3944.5			
0.41	3453.5			
0.46	3042.5			
0.52	2697.3			
0.58	2429.7	**G43G22A DL63K4**	42/47	34
0.68	2085.9	**G43G22C DL63K4**		34
0.78	1814.5			
0.88	1594.8			
480 Nm				
0.12	11893	**G33G13A DL63K4**	41/47	22
0.14	10082	**G33G13C DL63K4**		22
0.16	8652.7			
0.19	7495.5			
0.22	6539.6			
0.25	5736.6			
0.28	5052.5			
0.32	4442.9			
0.37	3813.0			
0.43	3303.0			
0.49	2881.8			
0.55	2565.1	**G33G12A DL63K4**	41/47	22
0.64	2191.5	**G33G12C DL63K4**		22
0.74	1896.5			
0.85	1657.7			
0.97	1460.5			
1.1	1294.8			
1.2	1153.6			
1.4	1035.6			
1.6	903.90			

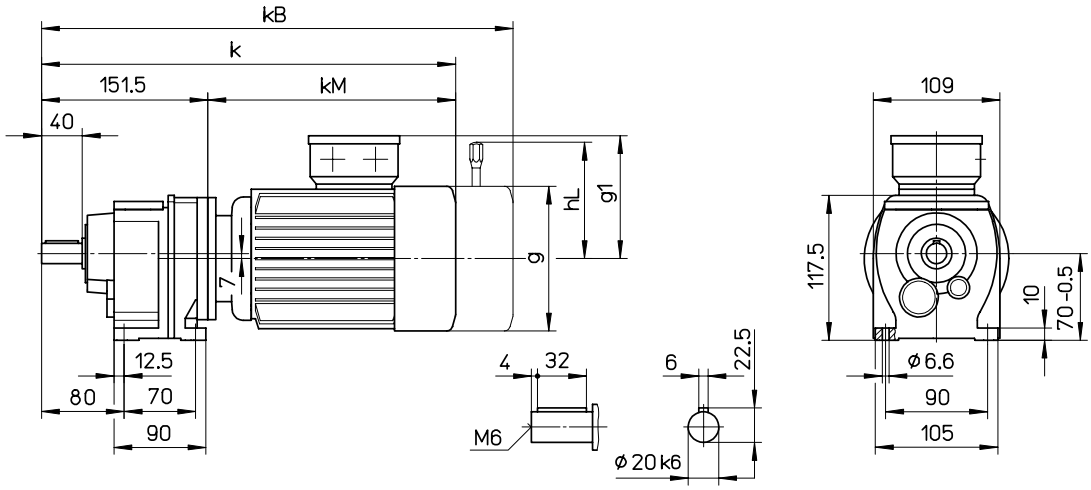
Motoreduktory Walcowe G dla bardzo niskich prędkości wyjściowych

n2 [1/min]	i	Typ	Wymiary Strona	~kg
235 Nm				
0.14	10074	**G23G13A DL63K4**	40/47	17
0.17	8540.3	**G23G13C DL63K4**		17
0.19	7329.5			
0.22	6349.2			
0.25	5539.5			
0.29	4859.3			
0.33	4279.9			
0.37	3763.4			
0.44	3229.8			
0.50	2797.9			
0.58	2441.1			
0.65	2164.1			
0.72	1960.4	**G22G13A DL63K4**	40/47	17
0.85	1661.9	**G22G13C DL63K4**		17
0.99	1426.3			
1.1	1235.5			
1.3	1078.0			
1.5	945.59			
1.7	832.84			
1.9	732.34			
2.2	628.51			
2.6	544.45			
3.0	475.02			
3.3	422.82	**G22G12A DL63K4**	40/47	17
		G22G12C DL63K4		17

n2 [1/min]	i	Typ	Wymiary Strona	~kg
117 Nm				
0.23	6085.3	**G13G03A DL63K4**	39/47	14
0.27	5140.9	**G13G03C DL63K4**		14
0.32	4395.3			
0.37	3791.8			
0.43	3293.2			
0.49	2874.3			
0.57	2481.0			
0.66	2140.3			
0.76	1858.8			
0.87	1622.4			
0.99	1424.2	**G13G02A DL63K4**	39/47	14
1.2	1203.2	**G13G02C DL63K4**		14
1.4	1028.7			
1.6	887.43			
1.8	770.74			
2.1	672.72			
2.4	589.22			
2.8	506.43			
3.2	436.89			
3.7	379.44			
4.3	331.18			
4.9	290.08			
5.6	251.28			
6.4	219.23			

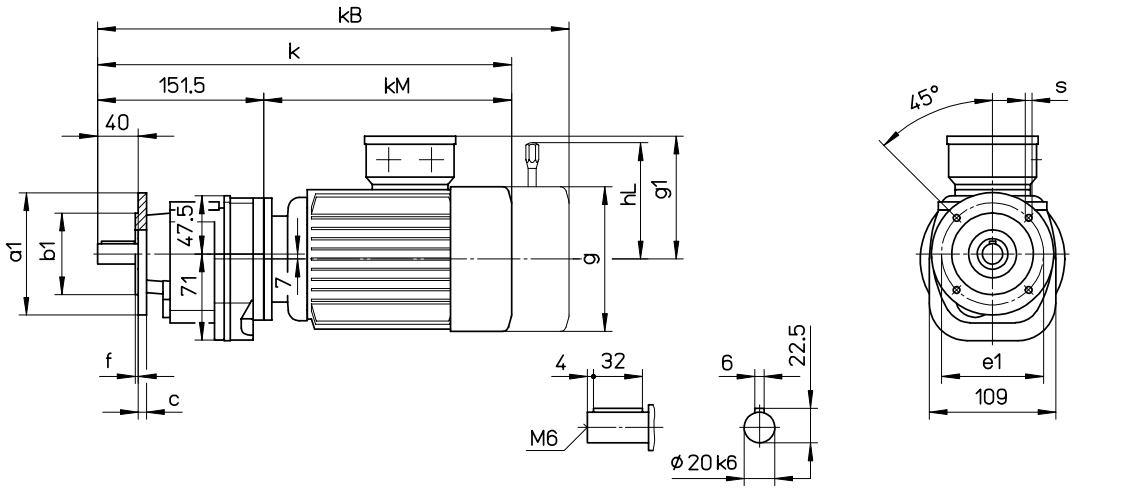
G02A / G03A

Wykonanie na łapach



G02C / G03C

Wykonanie z dużym kołnierzem



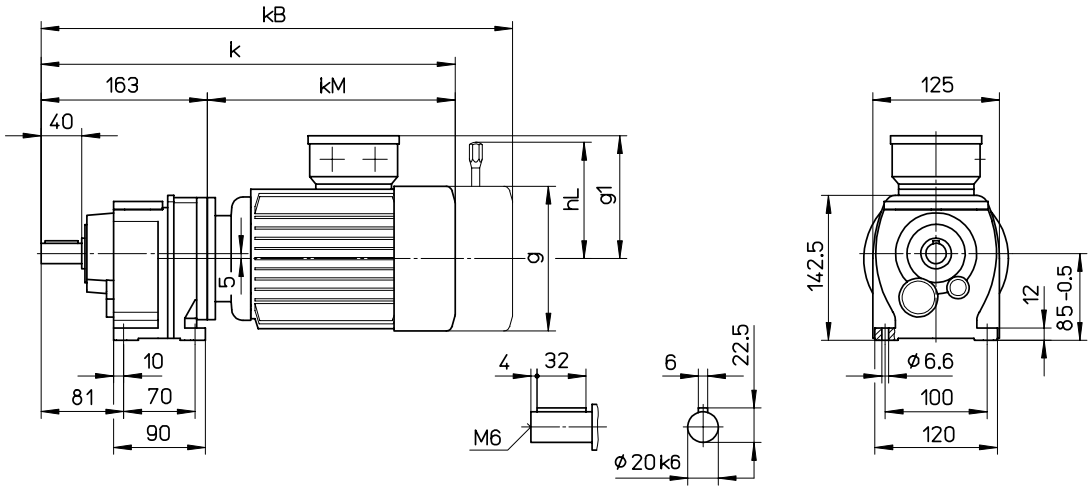
	k	kB	kM	g	g1	hL
G0__ DL63/71	353	407	201	126	113	106
G0__ DL80	396	453	244	142	121	114

Kołnierz	a1	e1	b1	s	c	f
Ø120	120	100	80 j6	6.6	8	3

Wymiary kB i hL dotyczą motoreduktorów z hamulcem

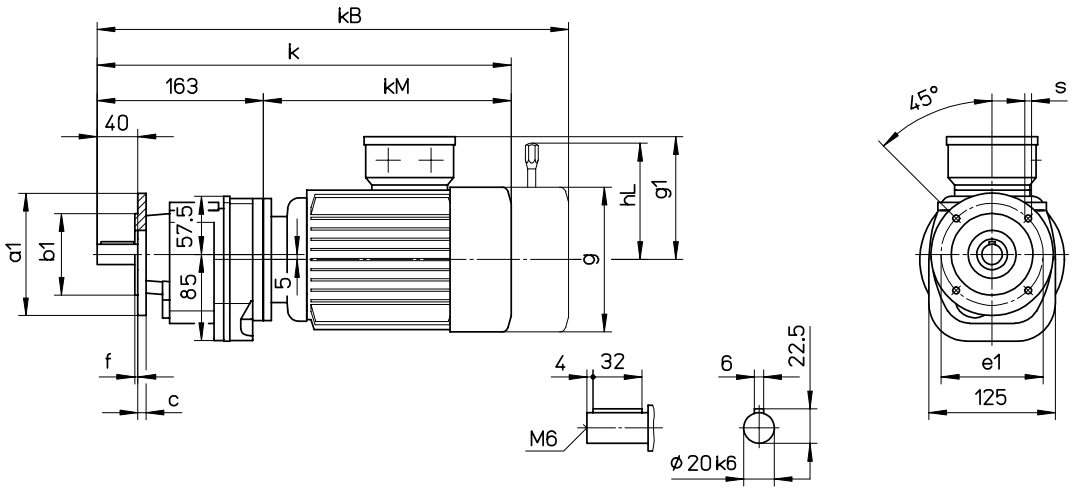
G12A / G13A

Wykonanie na łapach



G12C / G13C

Wykonanie z dużym kołnierzem



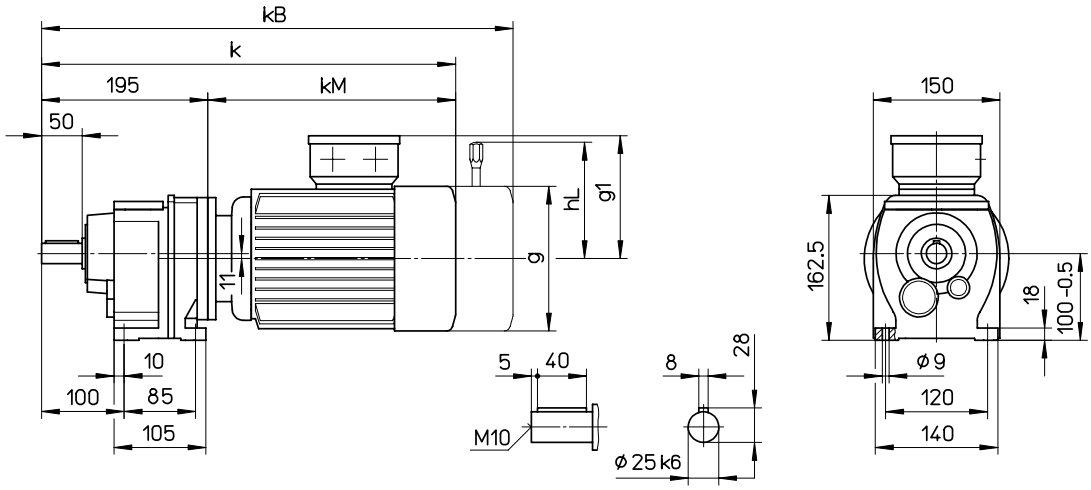
	k	kB	kM	g	g1	hL
G1__ DL63/71	363	417	200	126	113	106
G1__ DL80	406	463	243	142	121	114
G1__ DL90	452	517	289	160	130	128

Kołnierz	a1	e1	b1	s	c	f
Ø120	120	100	80 j6	6.6	8	3
Ø140	140	115	95 j6	9	9	3

Wymiary kB i hL dotyczą motoreduktorów z hamulcem

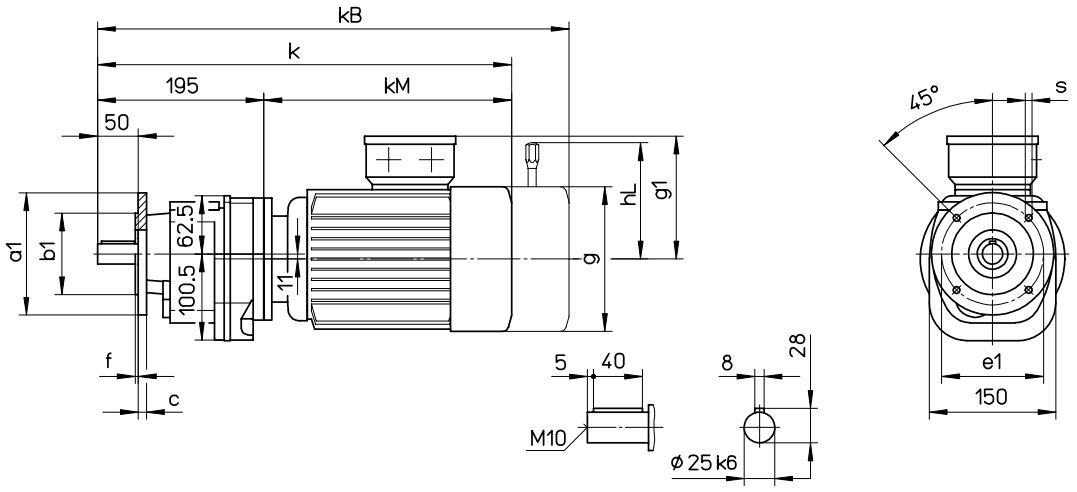
G22A / G23A

Wykonanie na łapach



G22C / G23C

Wykonanie z dużym kołnierzem



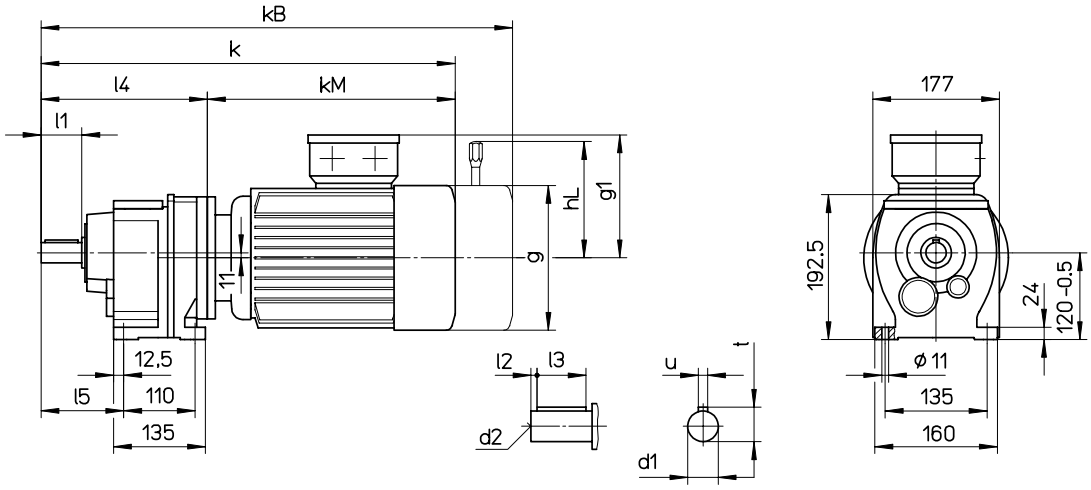
	k	kB	kM	g	g1	hL
G2__ DL63/71	392	446	197	126	113	106
G2__ DL80	435	492	240	142	121	114
G2__ DL90	479	544	284	160	130	128
G2__ DL100	532	603	337	180	141	168

Kołnierz	a1	e1	b1	s	c	f
Ø140	140	115	95 j6	9	9	3
Ø160	160	130	110 j6	9	9	3.5

Wymiary kB i hL dotyczą motoreduktorów z hamulcem

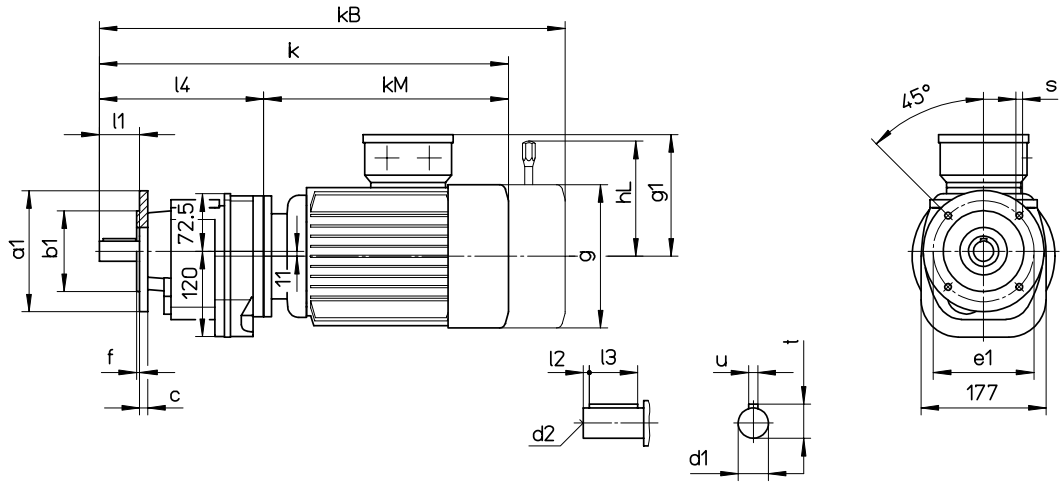
G32A / G33A

Wykonanie na łapach



G32C / G33C

Wykonanie z dużym kołnierzem



	Wał wyjściowy z nierdzewnej stali Ø30x60		Wał wyjściowy z nierdzewnej stali Ø35x70					
	k	**kB**	**k**	**kB**	**kM**	**g**	**g1**	**hL**
G3__ DL63/71	430	484	440	494	196	126	113	106
G3__ DL80	473.5	530.5	483.5	540.5	239.5	142	120.5	114
G3__ DL90	519.5	584.5	529.5	594.5	285.5	160	129.5	128
G3__ DL100	568	639	578	649	334	180	141	168
G3__ DL112	609.5	696.5	619.5	706.5	375.5	200	151	176
G3__ DA132	669	768	679	778	435	245	188	225

Wał wyjściowy z nierdzewnej stali	**d1**	**l1**	**t**	**u**	**d2**	**l2**	**l3**	**l4**	**l5**
Ø30x60	30k6	60	33	8	M10	5	50	234	116.5
Ø35x70	35k6	70	38	10	M12	7	56	244	126.5

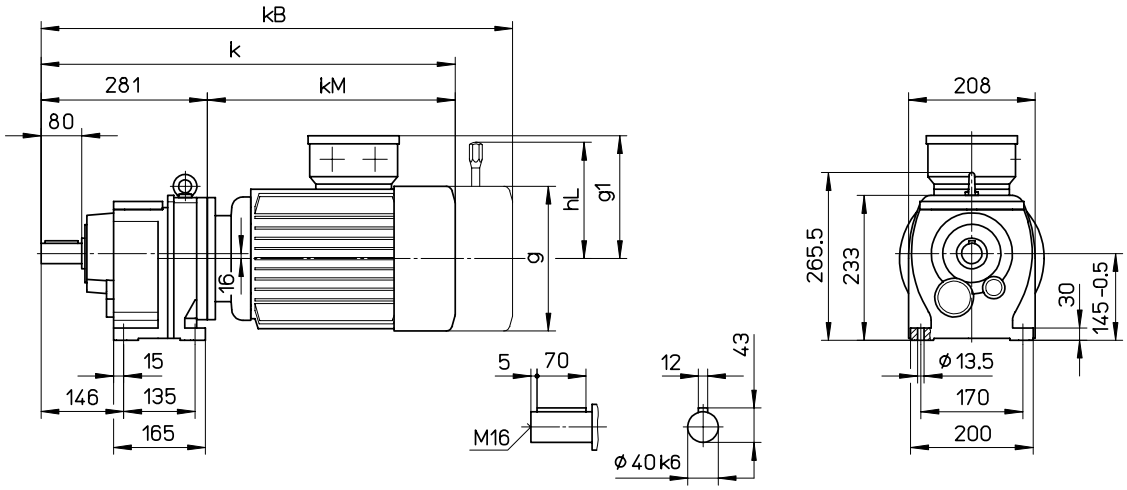
Kołnierz	**a1**	**e1**	**b1**	**s**	**c**	**f**
Ø160	160	130	110 j6	9	9	3.5
Ø200	200	165	130 j6	11	10	3.5

Motoreduktory Walcowe G

Wymiary kB i hL dotyczą motoreduktorów z hamulcem

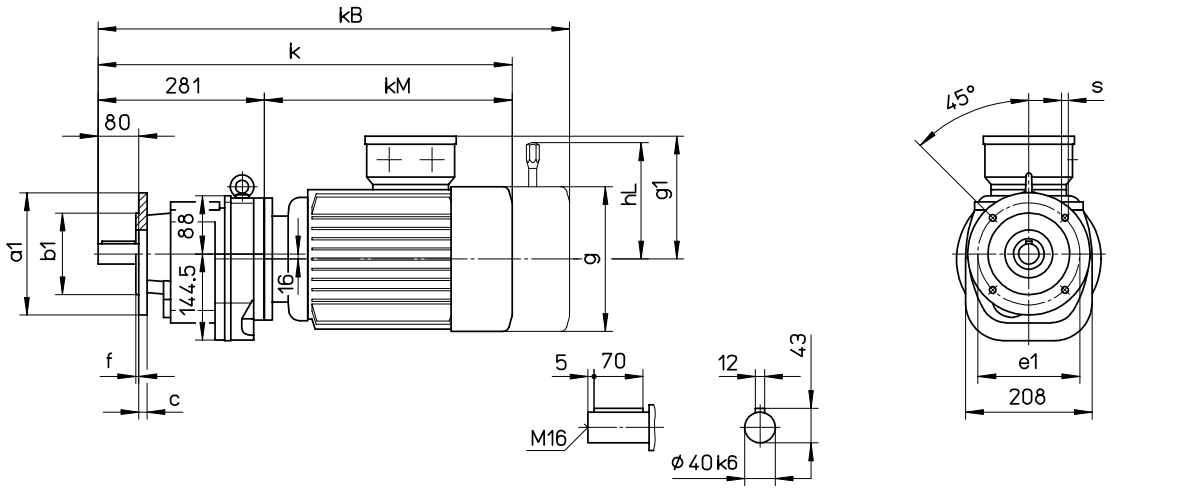
G42A / G43A

Wykonanie na łapach



G42C / G43C

Wykonanie z dużym kołnierzem



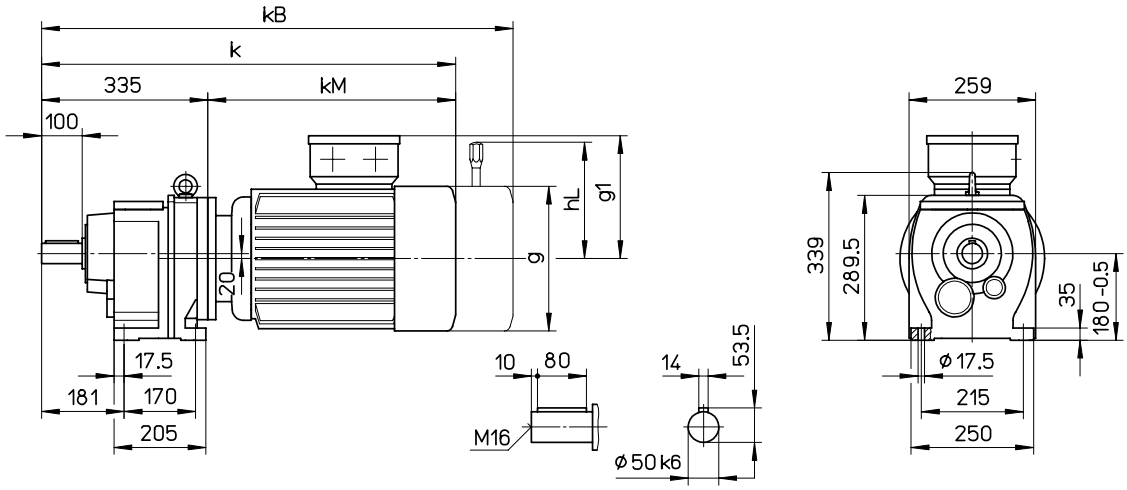
	k	kB	kM	g	g1	hL
G4__ DL63/71	473.5	527.5	192.5	126	113	106
G4__ DL80	517	574	236	142	121	114
G4__ DL90	563	628	282	160	130	128
G4__ DL100	610	681	329	180	141	168
G4__ DL112	652	739	371	200	151	176
G4__ DA132	712.5	811.5	431.5	245	188	225
G4__ DA160	820.5	940.5	539.5	311	250	256

Kołnierz	a1	e1	b1	s	c	f
Ø200	200	165	130 j6	11	10	3.5

Wymiary kB i hL dotyczą motoreduktorów z hamulcem

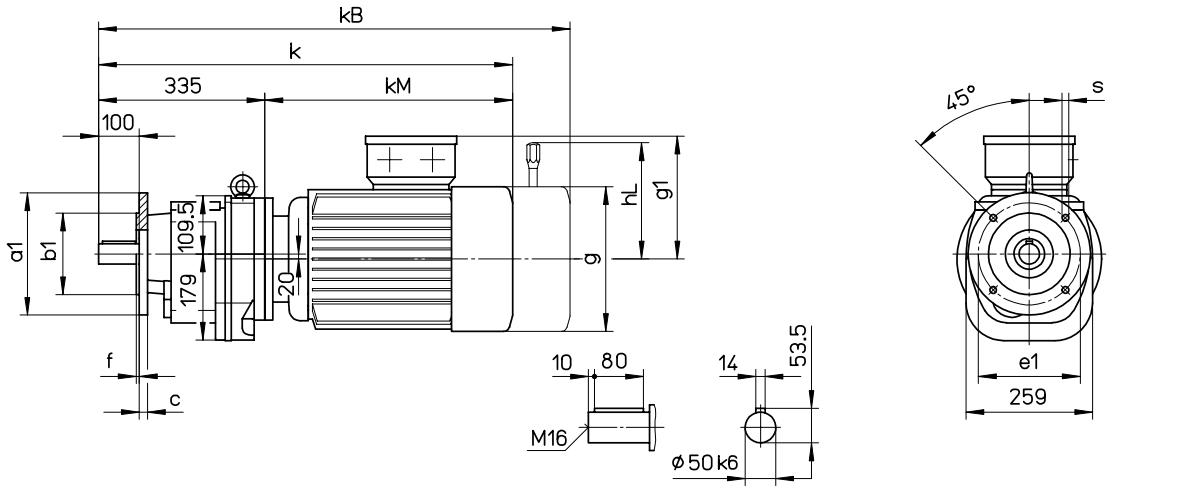
G52A / G53A

Wykonanie na łapach



G52C / G53C

Wykonanie z dużym kołnierzem



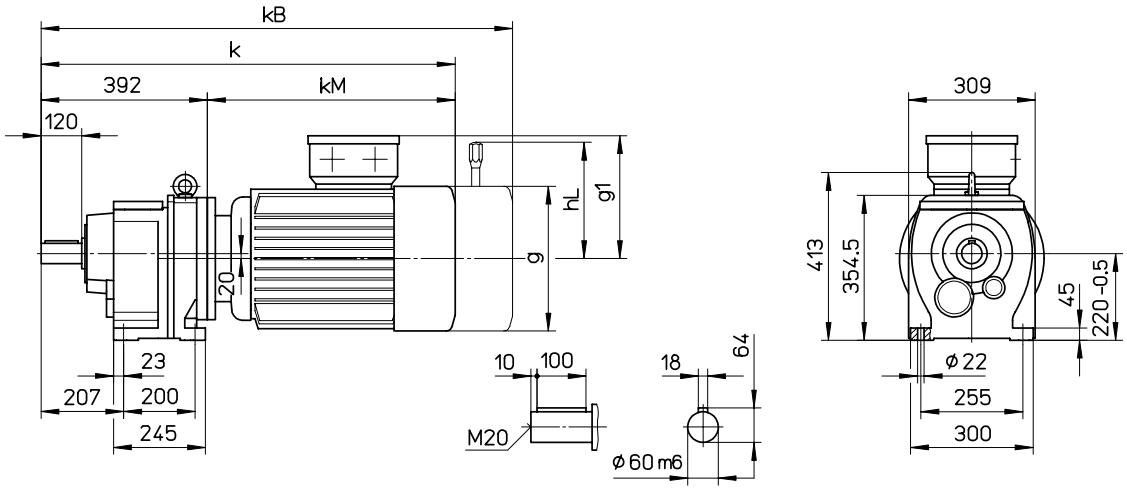
	k	kB	kM	g	g1	hL
G5__ DL80	566	623	231	142	121	114
G5__ DL90	612	677	277	160	130	128
G5__ DL100	661	732	326	180	141	168
G5__ DL112	702.5	789.5	367.5	200	151	176
G5__ DA132	763	862	428	245	188	225
G5__ DA160	867	987	532	311	250	256
G5__ DA180	924	1063	589	356	291	335

Kołnierz	a1	e1	b1	s	c	f
Ø250	250	215	180 j6	13.5	11	4

Wymiary kB i hL dotyczą motoreduktorów z hamulcem

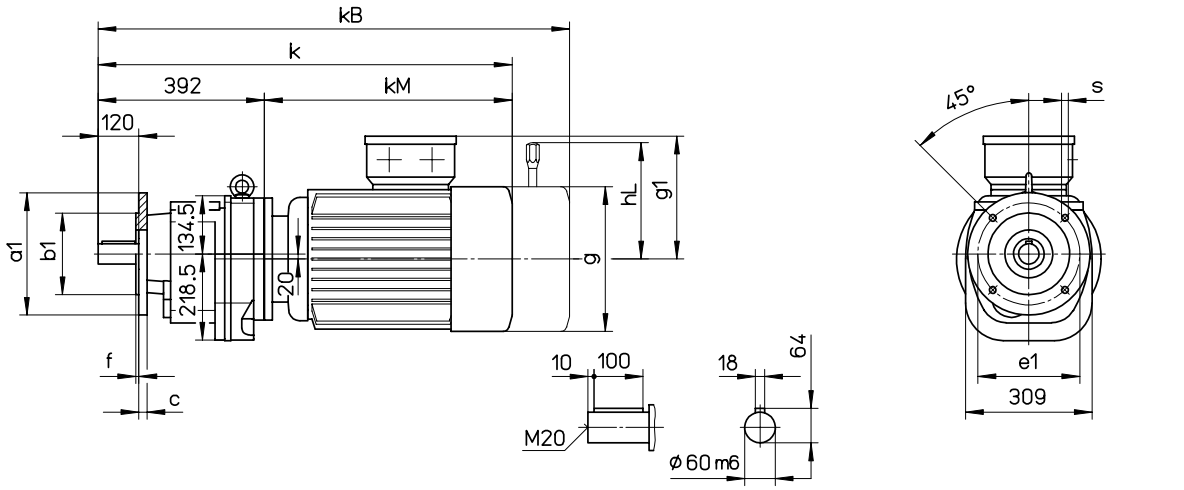
G62A / G63A

Wykonanie na łapach



G62C / G63C

Wykonanie z dużym kołnierzem



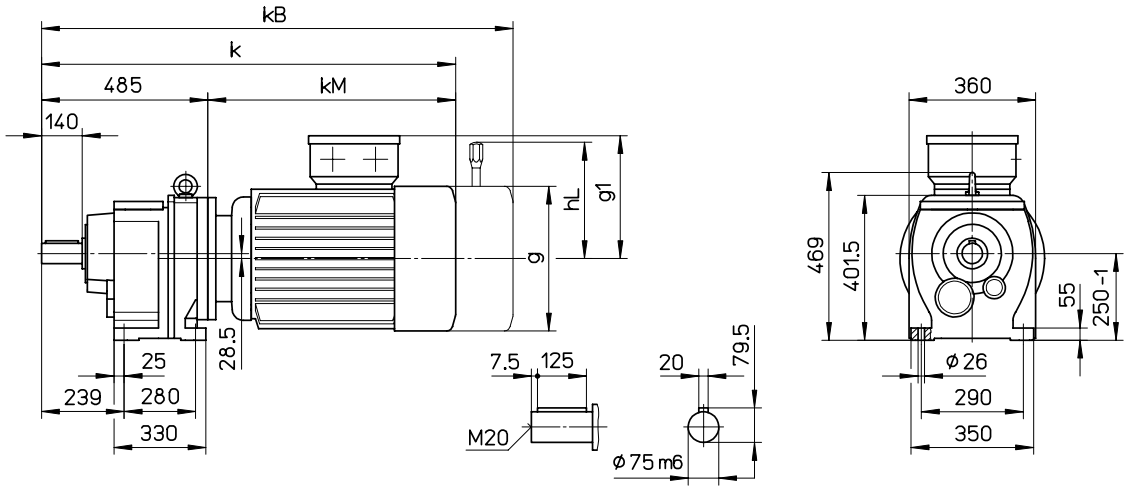
	k	kB	kM	g	g1	hL
G6__ DL90	662	727	267.5	160	130	128
G6__ DL100	711	782	312	180	141	168
G6__ DL112	752.5	839.5	348	200	151	176
G6__ DA132	813	912	400.5	245	188	225
G6__ DA160	918	1038	525	311	250	256
G6__ DA180	975	1114	566	356	291	335

Kołnierz	a1	e1	b1	s	c	f
Ø300	300	265	230 j6	13.5	12	4

Wymiary kB i hL dotyczą motoreduktorów z hamulcem

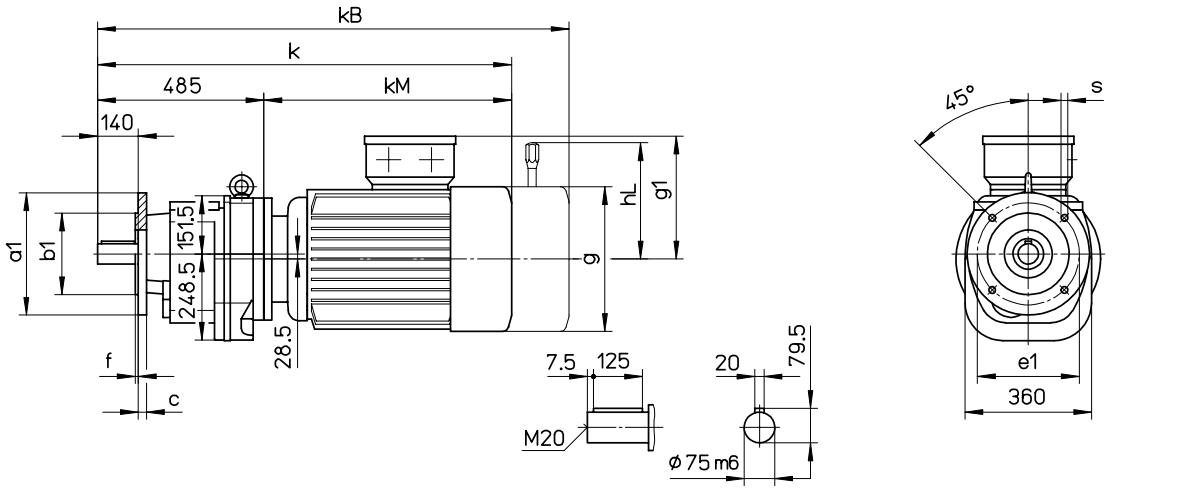
G72A / G73A

Wykonanie na łapach



G72C / G73C

Wykonanie z dużym kołnierzem



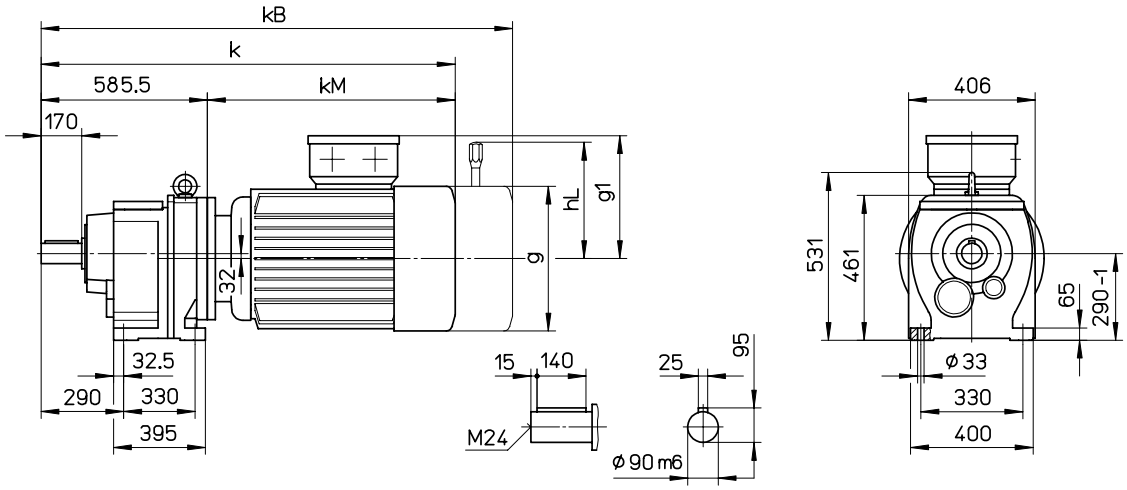
	k	kB	kM	g	g1	hL
G7__ DL100	797	868	312	180	141	168
G7__ DL112	838.5	925.5	353.5	200	151	176
G7__ DA132	898	997	413	245	188	225
G7__ DA160	1007	1127	522	311	250	256
G7__ DA180	1062.5	1201.5	577.5	356	291	335
G7__ DA200	1112.5	1251.5	627.5	356	291	335

Kołnierz	a1	e1	b1	s	c	f
Ø350	350	300	250 h6	17.5	16	5

Wymiary kB i hL dotyczą motoreduktorów z hamulcem

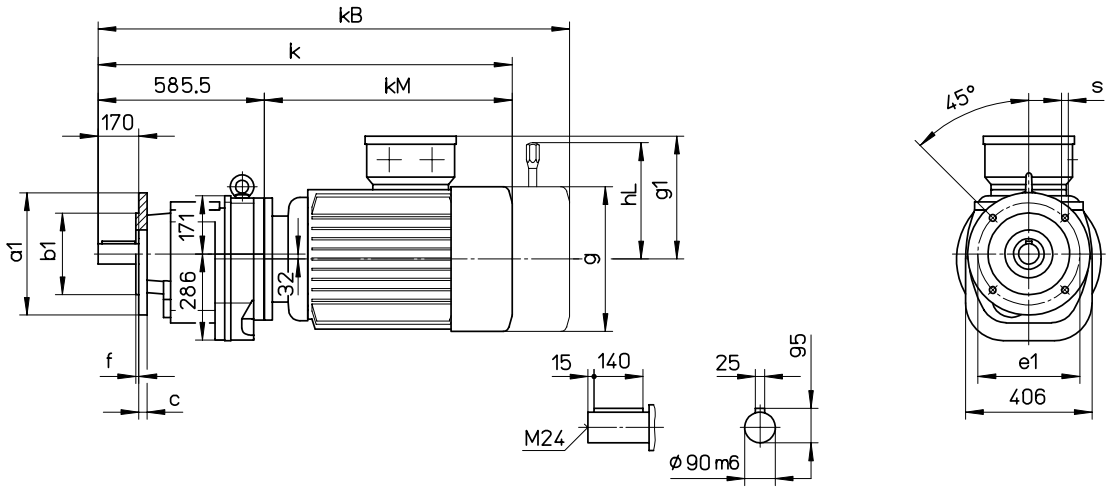
G82A / G83A

Wykonanie na łapach



G82C / G83C

Wykonanie z dużym kołnierzem

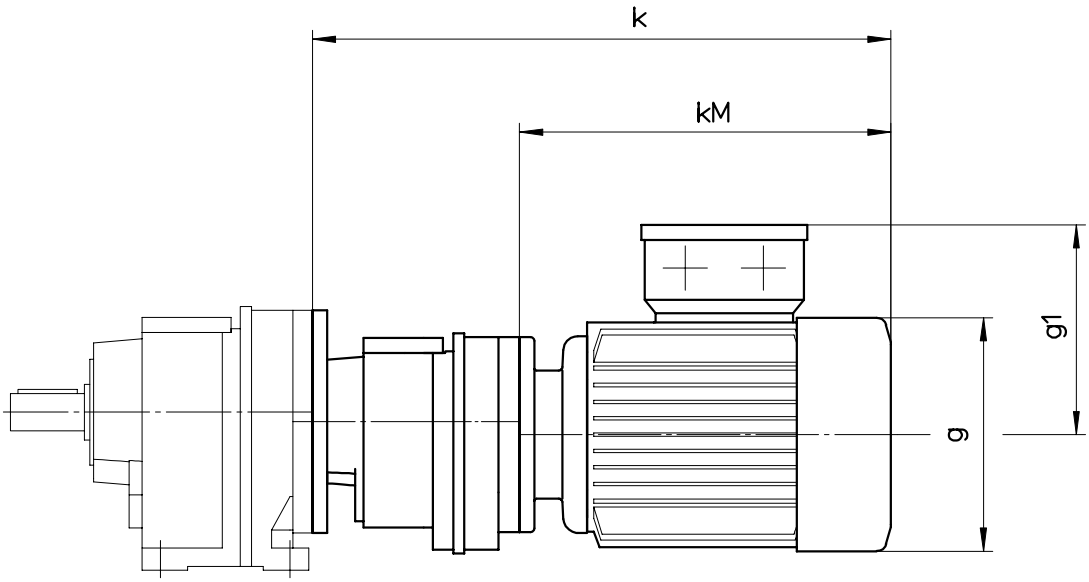


	k	kB	kM	g	g1	hL
G8__ DA132	982	1081	396.5	245	188	225
G8__ DA160	1089	1209	503.5	311	250	256
G8__ DA180	1146	1285	560.5	356	291	335
G8__ DA200	1196	1335	610.5	356	291	335

Kołnierz	a1	e1	b1	s	c	f
Ø450	450	400	350 h6	17.5	16	5

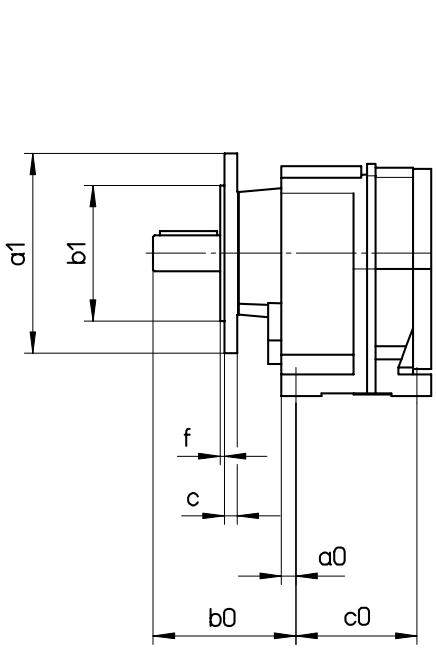
Wymiary kB i hL dotyczą motoreduktorów z hamulcem

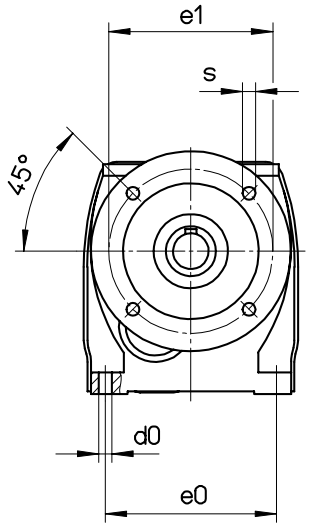
Motoreduktory Walcowe G dla bardzo niskich prędkości wyjściowych



	k	kM	g	g1
G1_G0__ DL63/71	313	201	126	113
G2_G1__ DL63/71	323	200	126	113
G33G1__ DL63/71	323	200	126	113
G43G2__ DL63/71	342	197	126	113
G43G2__ DL80	385	240	142	121
G53G2__ DL63/71	342	197	126	113
G53G2__ DL80	385	240	142	121
G53G2__ DL90	429	284	160	130
G63G3__ DL63/71	370	196	126	113
G63G3__ DL80	413,5	239.5	142	121
G63G3__ DL90	459.5	285.5	160	130
G63G3__ DL100	508	334	180	141
G73G3__ DL63/71	370	196	126	113
G73G3__ DL80	413.5	239.5	142	121
G73G3__ DL90	459.5	285.5	160	130
G73G3__ DL100	508	334	180	141
G83G4__ DL63/71	393.5	192.5	126	113
G83G4__ DL80	437	236	142	121
G83G4__ DL90	483	282	160	130
G83G4__ DL100	530	329	180	141
G83G4__ DL112	572	371	200	151
G83G4__ DL132	632.5	431.5	245	188

Motoreduktory Walcowe G
Łapy- mocowane kołnierzowo





Reduktor	Wał wyjściowy z	a0	b0	c0	d0	e0	a1	e1	b1	c	s	f
G0	20x40	12.5	80	70	Ø6.6	90	120 140	100 115	80 j6 95 j6	8 9	6.6 9	3 3
G1	20x40	10	81	70	Ø6.6	100	120 140	100 115	80 j6 95 j6	8 9	6.6 9	3 3
G2	25x50	10	100	85	Ø9	120	140 160	115 130	95 j6 110 j6	9 9	9 9	3 3.5
G3	30x60 35x70	12.5	116.5 126.5	110	Ø11	135	160 200	130 165	110 j6 130 j6	9 10	9 11	3.5 3.5
G4	40x80	15	146	135	Ø13.5	170	200	165	130 j6	10	11	3.5
G5	50x100	17.5	181	170	Ø17.5	215	250	215	180 j6	11	13.5	4

Motoreduktory Walcowe G

i	n2 [1/min] n1=1400	T2max [Nm]	P1max [kW]	-W	Przyłącze silnikowe -M IEC	Przyłącze silnikowe -M NEMA	Przyłącze silnikowe -M S
G03							
72.52	19	60	0.12	W1	63 71	56	70
61.26	23	60	0.14	W1	63 71	56	70
52.38	27	60	0.17	W1	63 71	56	70
45.19	31	60	0.19	W1	63 71	56	70
39.24	36	60	0.22	W1	63 71	56	70
34.25	41	60	0.26	W1	63 71	56	70
29.57	47	60	0.30	W1	63 71	56	70
25.51	55	60	0.34	W1	63 71	56	70
22.15	63	60	0.40	W1	63 71	56	70
19.33	72	60	0.45	W1	63 71	56	70
G02							
16.97	82	60	0.52	W1	63 71	56	70
14.34	98	60	0.61	W1	63 71	56	70
12.26	114	60	0.72	W1	63 71	56	70
10.58	132	60	0.75	W1	63 71	56	70
9.18	152	58	0.75	W1	63 71	56	70
8.02	175	55	0.75	W1	63 71	56	70
7.02	199	51	0.75	W1	63 71	56	70
6.04	232	46	0.75	W1	63 71	56	70
5.21	269	43	0.75	W1	63 71	56	70
4.52	310	40	0.75	W1	63 71	56	70
3.95	355	37	0.75	W1	63 71	56	70
3.46	405	35	0.75	W1	63 71	56	70

i	n2 [1/min] n1=1400	T2max [Nm]	P1max [kW]	-W	Przyłącze silnikowe -M IEC	Przyłącze silnikowe -M NEMA	Przyłącze silnikowe -M S
G13G03							
6085.3	0.23	117	<0.05	W1	63 71	56	70
5140.9	0.27	117	<0.05	W1	63 71	56	70
4395.3	0.32	117	<0.05	W1	63 71	56	70
3791.8	0.37	117	<0.05	W1	63 71	56	70
3293.2	0.43	117	<0.05	W1	63 71	56	70
2874.3	0.49	117	<0.05	W1	63 71	56	70
2481.0	0.56	117	<0.05	W1	63 71	56	70
2140.3	0.65	117	<0.05	W1	63 71	56	70
1858.8	0.75	117	<0.05	W1	63 71	56	70
1622.4	0.86	117	<0.05	W1	63 71	56	70
G13G02							
1424.2	0.98	117	<0.05	W1	63 71	56	70
1203.2	1.2	117	<0.05	W1	63 71	56	70
1028.7	1.4	117	<0.05	W1	63 71	56	70
887.43	1.6	117	<0.05	W1	63 71	56	70
770.74	1.8	117	<0.05	W1	63 71	56	70
672.72	2.1	117	<0.05	W1	63 71	56	70
589.22	2.4	117	<0.05	W1	63 71	56	70
506.43	2.8	117	<0.05	W1	63 71	56	70
436.89	3.2	117	<0.05	W1	63 71	56	70
379.44	3.7	117	<0.05	W1	63 71	56	70
331.18	4.2	117	0.05	W1	63 71	56	70
290.08	4.8	117	0.06	W1	63 71	56	70
251.28	5.6	117	0.07	W1	63 71	56	70
219.23	6.4	117	0.08	W1	63 71	56	70
192.31	7.3	117	0.09	W1	63 71	56	70
169.38	8.3	117	0.10	W1	63 71	56	70
145.94	9.6	115	0.12	W1	63 71	56	70
127.83	11	115	0.13	W1	63 71	56	70

Motoreduktory Walcowe G

i	n2 [1/min] n1=1400	T2max [Nm]	P1max [kW]	-W	Przyłącze silnikowe -M IEC	Przyłącze silnikowe -M NEMA	Przyłącze silnikowe -M S
G13							
115.34	12	117	0.15	W1	63 71	56	70
97.78	14	117	0.18	W1	63 71	56	70
83.91	17	117	0.20	W1	63 71 80	56 140	70 90
72.69	19	117	0.24	W1	63 71 80	56 140	70 90
63.42	22	117	0.27	W1	63 71 80	56 140	70 90
55.63	25	117	0.31	W1	63 71 80	56 140	70 90
49.00	29	117	0.35	W1	63 71 80	56 140	70 90
43.09	32	117	0.40	W1	63 71	56	70
36.98	38	117	0.46	W1	63 71 80	56 140	70 90
32.03	44	117	0.54	W1	63 71 80 90	56 140	70 90 110
27.95	50	117	0.61	W2	63 71 80 90	56 140	70 90 110
24.52	57	117	0.70	W2	63 71 80 90	56 140	70 90 110
21.59	65	117	0.79	W2	63 71 80 90	56 140	70 90 110
G12							
24.88	56	117	0.69	W1	63 71	56	70
21.25	66	117	0.81	W1	63 71	56	70
18.39	76	117	0.93	W2	63 71 80	56 140	70 90
16.08	87	117	1.07	W2	63 71 80 90	56 140	70 90 110
14.16	99	117	1.21	W2	63 71 80 90	56 140	70 90 110
12.56	111	117	1.37	W2	63 71 80 90	56 140	70 90 110
11.19	125	117	1.50	W2	63 71 80 90	56 140	70 90 110
10.04	139	112	1.50	W2	63 71 80 90	56 140	70 90 110
8.77	160	106	1.50	W2	63 71 80 90	56 140	70 90 110
7.68	182	100	1.50	W2	63 71 80 90	56 140	70 90 110
7.06	198	97	1.50	W2	63 71 80 90	56 140	70 90 110
6.22	225	92	1.50	W2	63 71 80 90	56 140	70 90 110
5.51	254	87	1.50	W2	63 71 80 90	56 140	70 90 110
4.91	285	83	1.50	W2	63 71 80 90	56 140	70 90 110
4.41	318	79	1.50	W2	63 71 80 90	56 140	70 90 110
3.85	364	74	1.50	W2	63 71 80 90	56 140	70 90 110
3.37	415	69	1.50	W2	63 71 80 90	56 140	70 90 110

i	n2 [1/min] n1=1400	T2max [Nm]	P1max [kW]	-W	Przyłącze silnikowe -M IEC	Przyłącze silnikowe -M NEMA	Przyłącze silnikowe -M S
G23G13							
10074	0.14	235	<0.05	W1	63 71	56	70
8540.3	0.16	235	<0.05	W1	63 71	56	70
7329.5	0.19	235	<0.05	W1	63 71	56	70
6349.2	0.22	235	<0.05	W1	63 71	56	70
5539.5	0.25	235	<0.05	W1	63 71	56	70
4859.3	0.29	235	<0.05	W1	63 71	56	70
4279.9	0.33	235	<0.05	W1	63 71	56	70
3763.4	0.37	235	<0.05	W1	63 71	56	70
3229.8	0.43	235	<0.05	W1	63 71	56	70
2797.9	0.50	235	<0.05	W1	63 71	56	70
2441.1	0.57	235	<0.05	W1	63 71	56	70
2164.1	0.65	235	<0.05	W1	63 71	56	70
G22G13							
1960.4	0.71	235	<0.05	W1	63 71	56	70
1661.9	0.84	235	<0.05	W1	63 71	56	70
1426.3	0.98	235	<0.05	W1	63 71	56	70
1235.5	1.1	235	<0.05	W1	63 71	56	70
1078.0	1.3	235	<0.05	W1	63 71	56	70
945.59	1.5	235	<0.05	W1	63 71	56	70
832.84	1.7	235	<0.05	W1	63 71	56	70
732.34	1.9	235	<0.05	W1	63 71	56	70
628.51	2.2	235	0.05	W1	63 71	56	70
544.45	2.6	235	0.06	W1	63 71	56	70
475.02	2.9	235	0.07	W1	63 71	56	70
G22G12							
422.82	3.3	235	0.08	W1	63 71	56	70
361.24	3.9	235	0.09	W1	63 71	56	70
312.61	4.5	235	0.11	W1	63 71	56	70
273.25	5.1	235	0.13	W1	63 71	56	70
240.74	5.8	235	0.14	W1	63 71	56	70
213.43	6.6	235	0.16	W1	63 71	56	70
190.16	7.4	235	0.18	W1	63 71	56	70
170.71	8.2	235	0.20	W1	63 71 80	56 140	70 90

Motoreduktory Walcowe G

i	n2 [1/min] n1=1400	T2max [Nm]	P1max [kW]	-W	Przyłącze silnikowe -M IEC	Przyłącze silnikowe -M NEMA	Przyłącze silnikowe -M S
G23							
153.41	9.1	235	0.22	W1	63 71	56	70
131.06	11	235	0.26	W1	63 71	56	70
113.42	12	235	0.30	W1	63 71 80	56 140	70 90
99.14	14	235	0.34	W1	63 71 80	56 140	70 90
87.34	16	235	0.39	W1	63 71 80 90	56 140	70 90 110
77.43	18	235	0.44	W1	63 71 80 90	56 140	70 90 110
69.48	20	235	0.49	W1	63 71 80	56 140	70 90
60.74	23	235	0.56	W1	63 71 80 90	56 140	70 90 110
53.51	26	235	0.64	W2	63 71 80 90	56 140	70 90 110
47.44	30	235	0.72	W2	63 71 80 90	56 140	70 90 110
41.53	34	235	0.82	W2	63 71 80 90	56 140	70 90 110
36.59	38	235	0.93	W2	63 71 80 90 100	56 140 180	70 90 110 140
32.44	43	235	1.05	W2	63 71 80 90 100	56 140 180	70 90 110 140
28.90	48	235	1.18	W2	63 71 80 90 100	56 140 180	70 90 110 140
25.95	54	235	1.32	W2	63 71 80 90 100	56 140 180	70 90 110 140
22.65	62	230	1.49	W2	63 71 80 90 100	56 140 180	70 90 110 140
19.83	71	235	1.72	W2	63 71 80 90 100 112	56 140 180	70 90 110 140
G22							
29.22	48	235	1.17	W1	63 71	56	70
25.09	56	235	1.36	W1	63 71	56	70
21.82	64	235	1.57	W2	63 71 80	56 140	70 90
19.18	73	235	1.78	W2	63 71 80 90	56 140	70 90 110
17.00	82	235	2.01	W3	63 71 80 90 100	56 140 180	70 90 110 140
15.16	92	235	2.25	W3	63 71 80 90 100 112	56 140 180	70 90 110 140
13.60	103	235	2.51	W3	63 71 80 90 100 112	56 140 180	70 90 110 140
12.36	113	235	2.76	W3	63 71 80 90 100 112	56 140 180	70 90 110 140
10.90	128	235	3.00	W3	63 71 80 90 100 112	56 140 180	70 90 110 140
9.65	145	230	3.00	W3	63 71 80 90 100 112	56 140 180	70 90 110 140
8.64	162	220	3.00	W3	80 90 100 112	140 180	90 110 140
7.52	186	210	3.00	W3	80 90 100 112	140 180	90 110 140
7.04	199	167	3.00	W3	63 71 80 90 100 112	56 140 180	70 90 110 140
6.31	222	164	3.00	W3	63 71 80 90 100 112	56 140 180	70 90 110 140
5.74	244	197	3.00	W3	63 71 80 90 100 112	56 140 180	70 90 110 140
5.06	277	183	3.00	W3	63 71 80 90 100 112	56 140 180	70 90 110 140
4.48	312	169	3.00	W3	63 71 80 90 100 112	56 140 180	70 90 110 140
4.01	349	157	3.00	W3	80 90 100 112	140 180	90 110 140
3.49	401	142	3.00	W3	80 90 100 112	140 180	90 110 140

Motoreduktory Walcowe G

i	n2 [1/min] n1=1400	T2max [Nm]	P1max [kW]	-W	Przyłącze silnikowe -M IEC	Przyłącze silnikowe -M NEMA	Przyłącze silnikowe -M S
G33G13							
11893	0.12	480	<0.05	W1	63 71	56	70
10082	0.14	480	<0.05	W1	63 71	56	70
8652.7	0.16	480	<0.05	W1	63 71	56	70
7495.5	0.19	480	<0.05	W1	63 71	56	70
6539.6	0.21	480	<0.05	W1	63 71	56	70
5736.6	0.24	480	<0.05	W1	63 71	56	70
5052.5	0.28	480	<0.05	W1	63 71	56	70
4442.9	0.32	480	<0.05	W1	63 71	56	70
3813.0	0.37	480	<0.05	W1	63 71	56	70
3303.0	0.42	480	<0.05	W1	63 71	56	70
2881.8	0.49	480	<0.05	W1	63 71	56	70
G33G12							
2565.1	0.55	480	<0.05	W1	63 71	56	70
2191.5	0.64	480	<0.05	W1	63 71	56	70
1896.5	0.74	480	<0.05	W1	63 71	56	70
1657.7	0.84	480	<0.05	W1	63 71	56	70
1460.5	0.96	480	<0.05	W1	63 71	56	70
1294.8	1.1	480	0.05	W1	63 71	56	70
1153.6	1.2	480	0.06	W1	63 71	56	70
1035.6	1.4	480	0.07	W1	63 71	56	70
903.90	1.5	480	0.08	W1	63 71	56	70
791.71	1.8	480	0.09	W1	63 71	56	70
727.68	1.9	480	0.10	W1	63 71	56	70
641.09	2.2	480	0.11	W1	63 71	56	70
568.36	2.5	480	0.12	W1	63 71	56	70
506.40	2.8	480	0.14	W1	63 71	56	70
454.59	3.1	480	0.16	W1	63 71	56	70
396.78	3.5	480	0.18	W1	63 71	56	70
347.53	4.0	480	0.20	W1	63 71 80	56 140	70 90
310.04	4.5	480	0.23	W1	63 71 80	56 140	70 90
278.10	5.0	480	0.25	W1	63 71 80	56 140	70 90
252.75	5.5	480	0.28	W1	63 71 80	56 140	70 90
222.84	6.3	480	0.32	W1	63 71 80	56 140	70 90
197.36	7.1	480	0.36	W1	63 71 80	56 140	70 90

Motoreduktory Walcowe G

i	n2 [1/min] n1=1400	T2max [Nm]	P1max [kW]	-W	Przyłącze silnikowe -M IEC	Przyłącze silnikowe -M NEMA	Przyłącze silnikowe -M S
G33							
177.27	7.9	480	0.40	W1	63 71	56	70
152.19	9.2	480	0.46	W1	63 71	56	70
132.39	11	480	0.53	W1	63 71 80	56 140	70 90
116.36	12	480	0.61	W2	63 71 80 90	56 140	70 90 110
103.11	14	480	0.69	W2	63 71 80 90	56 140	70 90 110
91.99	15	480	0.77	W2	63 71 80 90 100	56 140 180	70 90 110 140
82.51	17	480	0.86	W2	63 71 80 90 100	56 140 180	70 90 110 140
74.99	19	480	0.94	W2	63 71 80 90 100	56 140 180	70 90 110 140
66.12	21	480	1.07	W2	63 71 80 90 100	56 140 180	70 90 110 140
58.56	24	480	1.21	W2	63 71 80 90 100	56 140 180	70 90 110 140
52.40	27	480	1.35	W2	80 90 100	140 180	90 110 140
51.70	27	480	1.37	W2	63 71 80 90	56 140	70 90 110
45.61	31	480	1.55	W2	80 90 100 112	140 180	90 110 140
40.87	34	480	1.73	W2	63 71 80 90 100 112	56 140 180	70 90 110 140
36.66	38	475	1.90	W3	63 71 80 90 100 112	56 140 180	70 90 110 140
33.32	42	460	2.02	W3	63 71 80 90 100 112	56 140 180	70 90 110 140
29.38	48	440	2.20	W3	63 71 80 90 100 112	56 140 180	70 90 110 140
26.02	54	420	2.37	W3	63 71 80 90 100 112	56 140 180	70 90 110 140
23.28	60	405	2.55	W3	80 90 100 112	140 180	90 110 140
20.27	69	385	2.79	W3	80 90 100 112	140 180	90 110 140
G32							
25.67	55	480	2.75	W2	63 71 80 90	56 140	70 90 110
22.92	61	480	3.08	W3	63 71 80 90 100	56 140 180	70 90 110 140
20.61	68	480	3.43	W3	63 71 80 90 100 112	56 140 180	70 90 110 140
18.65	75	480	3.79	W3	63 71 80 90 100 112	56 140 180	70 90 110 140
17.00	82	480	4.16	W3	63 71 80 90 100 112	56 140 180	70 90 110 140
15.16	92	480	4.66	W4	63 71 80 90 100 112 132	56 140 180 210	70 90 110 140 190
13.60	103	480	5.2	W4	63 71 80 90 100 112 132	56 140 180 210	70 90 110 140 190
12.34	113	480	5.5	W4	80 90 100 112 132	140 180 210	90 110 140 190
10.93	128	470	5.5	W4	80 90 100 112 132	140 180 210	90 110 140 190
9.63	145	440	5.5	W4	80 90 100 112 132	140 180 210	90 110 140 190
8.43	166	415	5.5	W4	80 90 100 112 132	140 180 210	90 110 140 190
7.40	189	390	5.5	W4	100 112 132	180 210	140 190
6.54	214	320	5.5	W4	63 71 80 90 100 112 132	56 140 180 210	70 90 110 140 190
5.94	236	325	5.5	W4	80 90 100 112 132	140 180 210	90 110 140 190
5.26	266	305	5.5	W4	80 90 100 112 132	140 180 210	90 110 140 190
4.63	302	290	5.5	W4	80 90 100 112 132	140 180 210	90 110 140 190
4.06	345	275	5.5	W4	80 90 100 112 132	140 180 210	90 110 140 190
3.56	393	260	5.5	W4	100 112 132	180 210	140 190

i	n2 [1/min] n1=1400	T2max [Nm]	P1max [kW]	-W	Przyłącze silnikowe -M IEC	Przyłącze silnikowe -M NEMA	Przyłącze silnikowe -M S
G43G23							
12756	0.11	875	<0.05	W1	63 71	56	70
10898	0.13	875	<0.05	W1	63 71	56	70
9431.2	0.15	875	<0.05	W1	63 71	56	70
8243.8	0.17	875	<0.05	W1	63 71	56	70
7262.8	0.19	875	<0.05	W1	63 71	56	70
6438.8	0.22	875	<0.05	W1	63 71	56	70
5777.7	0.24	875	<0.05	W1	63 71	56	70
5050.2	0.28	875	<0.05	W1	63 71	56	70
4449.3	0.31	875	<0.05	W1	63 71	56	70
3944.5	0.35	875	<0.05	W1	63 71	56	70
3453.5	0.41	875	<0.05	W1	63 71	56	70
3042.5	0.46	875	<0.05	W1	63 71	56	70
2697.3	0.52	875	<0.05	W1	63 71	56	70
G43G22							
2429.7	0.58	875	0.05	W1	63 71	56	70
2085.9	0.67	875	0.06	W1	63 71	56	70
1814.5	0.77	875	0.07	W1	63 71	56	70
1594.8	0.88	875	0.08	W1	63 71	56	70
1413.3	0.99	875	0.09	W1	63 71	56	70
1260.8	1.1	875	0.10	W1	63 71	56	70
1131.0	1.2	875	0.11	W1	63 71	56	70
1027.9	1.4	875	0.12	W1	63 71	56	70
906.23	1.5	875	0.14	W1	63 71	56	70
802.62	1.7	875	0.16	W1	63 71	56	70
719.94	1.9	875	0.18	W1	63 71	56	70
653.17	2.1	875	0.20	W1	63 71 80	56 140	70 90
585.39	2.4	875	0.22	W1	63 71 80	56 140	70 90
525.09	2.7	875	0.24	W1	63 71 80	56 140	70 90
477.22	2.9	875	0.27	W1	63 71 80	56 140	70 90
420.75	3.3	875	0.30	W1	63 71 80	56 140	70 90
372.64	3.8	875	0.34	W1	63 71 80	56 140	70 90
334.26	4.2	875	0.38	W1	63 71 80 90	56 140	70 90 110
303.26	4.6	875	0.42	W1	63 71 80 90	56 140	70 90 110
268.73	5.2	875	0.48	W1	63 71 80 90	56 140	70 90 110
240.42	5.8	875	0.53	W1	63 71 80 90	56 140	70 90 110

Motoreduktory Walcowe G

i	n2 [1/min] n1=1400	T2max [Nm]	P1max [kW]	-W	Przyłącze silnikowe -M IEC	Przyłącze silnikowe -M NEMA	Przyłącze silnikowe -M S
G43							
210.05	6.7	875	0.61	W1	63 71	56	70
181.51	7.7	875	0.71	W1	63 71	56	70
158.99	8.8	875	0.81	W2	63 71 80	56 140	70 90
140.75	9.9	875	0.91	W2	63 71 80 90	56 140	70 90 110
125.69	11	875	1.02	W2	63 71 80 90 100	56 140 180	70 90 110 140
113.03	12	875	1.13	W2	63 71 80 90 100	56 140 180	70 90 110 140
102.26	14	875	1.25	W2	63 71 80 90 100	56 140 180	70 90 110 140
93.21	15	875	1.38	W2	63 71 80 90 100	56 140 180	70 90 110 140
83.15	17	875	1.54	W2	63 71 80 90 100 112	56 140 180	70 90 110 140
74.59	19	875	1.72	W2	63 71 80 90 100 112	56 140 180	70 90 110 140
67.67	21	875	1.90	W3	80 90 100 112	140 180	90 110 140
59.97	23	875	2.14	W3	80 90 100 112	140 180	90 110 140
56.95	25	875	2.25	W3	63 71 80 90 100 112	56 140 180	70 90 110 140
51.52	27	875	2.49	W3	63 71 80 90 100 112	56 140 180	70 90 110 140
46.96	30	875	2.73	W3	63 71 80 90 100 112	56 140 180	70 90 110 140
41.89	33	875	3.06	W3	63 71 80 90 100 112 132	56 140 180 210	70 90 110 140 190
37.58	37	875	3.41	W3	63 71 80 90 100 112 132	56 140 180 210	70 90 110 140 190
34.09	41	875	3.76	W3	80 90 100 112 132	140 180 210	90 110 140 190
30.21	46	875	4.25	W3	80 90 100 112 132	140 180 210	90 110 140 190
26.59	53	860	4.74	W4	80 90 100 112 132	140 180 210	90 110 140 190
23.29	60	800	5.0	W4	80 90 100 112 132	140 180 210	90 110 140 190
20.45	68	735	5.3	W4	100 112 132	180 210	140 190
G42							
26.83	52	875	4.78	W3	63 71 80 90 100	56 140 180	70 90 110 140
24.23	58	865	5.2	W3	63 71 80 90 100 112	56 140 180	70 90 110 140
22.01	64	850	5.7	W3	63 71 80 90 100 112	56 140 180	70 90 110 140
20.12	70	860	6.3	W3	63 71 80 90 100 112	56 140 180	70 90 110 140
18.06	78	875	7.1	W4	63 71 80 90 100 112 132	56 140 180 210	70 90 110 140 190
16.30	86	845	7.6	W4	63 71 80 90 100 112 132	56 140 180 210	70 90 110 140 190
15.00	93	815	8.0	W4	80 90 100 112 132	140 180 210	90 110 140 190
13.41	104	805	8.8	W4	80 90 100 112 132	140 180 210	90 110 140 190
11.90	118	760	9.4	W4	80 90 100 112 132	140 180 210	90 110 140 190
10.55	133	725	10.1	W4	80 90 100 112 132	140 180 210	90 110 140 190
9.39	149	680	10.6	W4	100 112 132	180 210	140 190
8.04	174	635	11.0	W4	132	210	190
7.09	197	600	11.0	W4	132	210	190
6.82	205	470	10.1	W4	80 90 100 112 132	140 180 210	90 110 140 190
6.05	231	455	11.0	W4	80 90 100 112 132	140 180 210	90 110 140 190
5.36	261	440	11.0	W4	80 90 100 112 132	140 180 210	90 110 140 190
4.77	293	425	11.0	W4	100 112 132	180 210	140 190
4.09	342	405	11.0	W4	132	210	190
3.61	388	385	11.0	W4	132	210	190

i	n2 [1/min] n1=1400	T2max [Nm]	P1max [kW]	-W	Przyłącze silnikowe -M IEC	Przyłącze silnikowe -M NEMA	Przyłącze silnikowe -M S
G53G23							
13862	0.10	1630	<0.05	W1	63 71	56	70
11843	0.12	1630	<0.05	W1	63 71	56	70
10249	0.14	1630	<0.05	W1	63 71	56	70
8958.3	0.16	1630	<0.05	W1	63 71	56	70
7892.3	0.18	1630	<0.05	W1	63 71	56	70
6996.9	0.20	1630	<0.05	W1	63 71	56	70
6278.4	0.22	1630	<0.05	W1	63 71	56	70
5487.9	0.26	1630	<0.05	W1	63 71	56	70
4834.9	0.29	1630	<0.05	W1	63 71	56	70
4286.4	0.33	1630	0.06	W1	63 71	56	70
3752.8	0.37	1630	0.06	W1	63 71	56	70
3306.2	0.42	1630	0.07	W1	63 71	56	70
2931.1	0.48	1630	0.08	W1	63 71	56	70
G53G22							
2640.3	0.53	1630	0.09	W1	63 71	56	70
2266.7	0.62	1630	0.11	W1	63 71	56	70
1971.8	0.71	1630	0.12	W1	63 71	56	70
1733.0	0.81	1630	0.14	W1	63 71	56	70
1535.8	0.91	1630	0.16	W1	63 71	56	70
1370.1	1.0	1630	0.17	W1	63 71	56	70
1229.0	1.1	1630	0.19	W1	63 71 80	56 140	70 90
1116.9	1.3	1630	0.21	W1	63 71 80	56 140	70 90
984.77	1.4	1630	0.24	W1	63 71 80	56 140	70 90
872.18	1.6	1630	0.27	W1	63 71 80	56 140	70 90
802.80	1.7	1630	0.30	W1	63 71 80	56 140	70 90
717.52	2.0	1630	0.33	W1	63 71 80	56 140	70 90
636.13	2.2	1630	0.38	W1	63 71 80 90	56 140	70 90 110
570.60	2.5	1630	0.42	W1	63 71 80 90	56 140	70 90 110
518.58	2.7	1630	0.46	W1	63 71 80 90	56 140	70 90 110
457.21	3.1	1630	0.52	W1	63 71 80 90	56 140	70 90 110
404.94	3.5	1630	0.59	W2	63 71 80 90	56 140	70 90 110
372.73	3.8	1630	0.64	W2	63 71 80 90	56 140	70 90 110
333.14	4.2	1630	0.72	W2	63 71 80 90	56 140	70 90 110
295.82	4.7	1630	0.81	W2	63 71 80 90 100	56 140 180	70 90 110 140
262.14	5.3	1630	0.91	W2	63 71 80 90 100	56 140 180	70 90 110 140
229.46	6.1	1630	1.04	W2	63 71 80 90 100	56 140 180	70 90 110 140
207.08	6.8	1630	1.15	W2	63 71 80 90 100	56 140 180	70 90 110 140
190.61	7.3	1630	1.25	W2	63 71 80 90 100	56 140 180	70 90 110 140

Motoreduktory Walcowe G

i	n2 [1/min] n1=1400	T2max [Nm]	P1max [kW]	-W	Przyłącze silnikowe -M IEC	Przyłącze silnikowe -M NEMA	Przyłącze silnikowe -M S
G53							
186.77	7.5	1630	1.28	W2	80	140	90
165.96	8.4	1630	1.44	W2	80 90	140	90 110
148.78	9.4	1630	1.60	W2	80 90 100	140 180	90 110 140
134.34	10	1630	1.78	W3	80 90 100 112	140 180	90 110 140
122.04	11	1630	1.96	W3	80 90 100 112	140 180	90 110 140
111.58	13	1630	2.14	W3	80 90 100 112	140 180	90 110 140
100.12	14	1630	2.38	W3	80 90 100 112	140 180	90 110 140
90.36	15	1630	2.64	W3	80 90 100 112	140 180	90 110 140
83.17	17	1630	2.87	W3	80 90 100 112	140 180	90 110 140
74.34	19	1630	3.21	W3	80 90 100 112 132	140 180 210	90 110 140 190
66.01	21	1630	3.62	W3	80 90 100 112 132	140 180 210	90 110 140 190
58.49	24	1630	4.08	W3	80 90 100 112 132 160	140 180 210 250	90 110 140 190
51.20	27	1630	4.66	W4	80 90 100 112 132	140 180 210	90 110 140 190
46.21	30	1630	5.2	W4	80 90 100 112 132	140 180 210	90 110 140 190
42.53	33	1630	5.6	W4	80 90 100 112 132	140 180 210	90 110 140 190
38.01	37	1630	6.3	W4	80 90 100 112 132 160	140 180 210 250	90 110 140 190
33.76	41	1630	7.1	W4	80 90 100 112 132 160	140 180 210 250	90 110 140 190
29.91	47	1560	7.6	W4	80 90 100 112 132 160 180	140 180 210 250 280	90 110 140 190
26.62	53	1500	8.3	W4	100 112 132 160 180	180 210 250 280	140 190
22.80	61	1430	9.2	W5	132 160 180	210 250 280	190
20.11	70	1350	9.8	W5	132 160 180	210 250 280	190
G52							
31.19	45	1130	5.3	W3	80 90 100 112	140 180	90 110 140
28.45	49	1120	5.8	W3	80 90 100 112	140 180	90 110 140
26.17	53	1330	7.4	W3	80 90 100 112	140 180	90 110 140
23.62	59	1310	8.1	W4	80 90 100 112 132	140 180 210	90 110 140 190
21.45	65	1290	8.8	W4	80 90 100 112 132	140 180 210	90 110 140 190
19.83	71	1390	10.3	W4	80 90 100 112 132	140 180 210	90 110 140 190
17.86	78	1430	11.7	W5	80 90 100 112 132 160	140 180 210 250	90 110 140 190
16.01	87	1360	12.5	W5	80 90 100 112 132 160	140 180 210 250	90 110 140 190
14.33	98	1330	13.6	W5	80 90 100 112 132 160 180	140 180 210 250 280	90 110 140 190
12.90	109	1260	14.3	W5	100 112 132 160 180	180 210 250 280	140 190
11.25	124	1190	15.5	W5	132 160 180	210 250 280	190
10.08	139	1140	16.6	W5	132 160 180	210 250 280	190
8.94	157	1070	17.5	W5	132 160 180	210 250 280	190
7.86	178	1000	18.5	W5	132 160 180	210 250 280	190
7.02	199	815	17.0	W5	80 90 100 112 132 160 180	140 180 210 250 280	90 110 140 190
6.32	221	790	18.3	W5	100 112 132 160 180	180 210 250 280	140 190
5.51	254	760	18.5	W5	132 160 180	210 250 280	190
4.94	283	735	18.5	W5	132 160 180	210 250 280	190
4.38	319	700	18.5	W5	132 160 180	210 250 280	190
3.85	364	660	18.5	W5	132 160 180	210 250 280	190

i	n2 [1/min] n1=1400	T2max [Nm]	P1max [kW]	-W	Przyłącze silnikowe -M IEC	Przyłącze silnikowe -M NEMA	Przyłącze silnikowe -M S
G63G33							
14755	0.095	2800	<0.05	W1	63 71	56	70
12667	0.11	2800	<0.05	W1	63 71	56	70
11019	0.13	2800	<0.05	W1	63 71	56	70
9684.6	0.14	2800	<0.05	W1	63 71	56	70
8582.4	0.16	2800	<0.05	W1	63 71	56	70
7656.6	0.18	2800	0.05	W1	63 71	56	70
6867.9	0.20	2800	0.06	W1	63 71	56	70
6241.8	0.22	2800	0.07	W1	63 71	56	70
5503.1	0.25	2800	0.07	W1	63 71	56	70
4874.0	0.29	2800	0.08	W1	63 71	56	70
4386.6	0.32	2800	0.09	W1	63 71	56	70
3796.1	0.37	2800	0.11	W2			
3402.1	0.41	2800	0.12	W1	63 71	56	70
3051.7	0.46	2800	0.13	W1	63 71	56	70
2773.5	0.50	2800	0.15	W1	63 71	56	70
2445.3	0.57	2800	0.17	W1	63 71	56	70
G63G32							
2136.3	0.66	2800	0.19	W1	63 71 80	56 140	70 90
1907.7	0.73	2800	0.22	W1	63 71 80	56 140	70 90
1715.6	0.82	2800	0.24	W1	63 71 80	56 140	70 90
1552.0	0.90	2800	0.26	W1	63 71 80	56 140	70 90
1414.7	0.99	2800	0.29	W1	63 71 80	56 140	70 90
1262.1	1.1	2800	0.33	W1	63 71 80	56 140	70 90
1132.1	1.2	2800	0.36	W1	63 71 80	56 140	70 90
1018.9	1.4	2800	0.40	W1	63 71 80 90	56 140	70 90 110
888.88	1.6	2800	0.46	W1	63 71 80 90	56 140	70 90 110
796.35	1.8	2800	0.52	W1	63 71 80 90	56 140	70 90 110
686.91	2.0	2800	0.60	W2	63 71 80 90	56 140	70 90 110
612.80	2.3	2800	0.67	W2	63 71 80 90	56 140	70 90 110
549.68	2.5	2800	0.75	W2	63 71 80 90	56 140	70 90 110
494.71	2.8	2800	0.83	W2	63 71 80 90 100	56 140 180	70 90 110 140
441.93	3.2	2800	0.93	W2	80 90 100	140 180	90 110 140
431.60	3.2	2800	0.95	W2	63 71 80 90 100	56 140 180	70 90 110 140
388.99	3.6	2800	1.06	W2	80 90 100	140 180	90 110 140
386.67	3.6	2800	1.06	W2	63 71 80 90 100	56 140 180	70 90 110 140
347.64	4.0	2800	1.18	W2	80 90 100	140 180	90 110 140
343.00	4.1	2800	1.20	W2	63 71 80 90 100	56 140 180	70 90 110 140
308.06	4.5	2800	1.33	W2	80 90 100	140 180	90 110 140
301.31	4.6	2660	1.29	W2	63 71 80 90 100	56 140 180	70 90 110 140
271.16	5.2	2800	1.51	W2	80 90 100 112	140 180	90 110 140
237.47	5.9	2800	1.73	W2	80 90 100 112	140 180	90 110 140

Motoreduktory Walcowe G

i	n2 [1/min] n1=1400	T2max [Nm]	P1max [kW]	-W	Przyłącze silnikowe -M IEC	Przyłącze silnikowe -M NEMA	Przyłącze silnikowe -M S
G63							
221.95	6.3	2800	1.85				
199.76	7.0	2800	2.05	W3	100	180	140
181.12	7.7	2800	2.27	W3	100 112	180	140
165.23	8.5	2800	2.48	W3	100 112	180	140
151.99	9.2	2800	2.70	W3	100 112	180	140
137.17	10	2800	2.99	W3	100 112	180	140
124.54	11	2800	3.30	W3	100 112 132	180 210	140 190
115.14	12	2800	3.57	W3	100 112 132	180 210	140 190
103.72	13	2800	3.96	W3	100 112 132	180 210	140 190
92.94	15	2800	4.42	W4	100 112 132 160	180 210 250	140 190
83.23	17	2800	4.93	W4	100 112 132 160	180 210 250	140 190
74.91	19	2800	5.5	W4	100 112 132 160	180 210 250	140 190
65.35	21	2800	6.3	W4	132 160	210 250	190
58.55	24	2800	7.0	W4	132 160	210 250	190
51.94	27	2690	7.6	W4	132 160 180	210 250 280	190
45.13	31	2520	8.2	W4	100 112 132 160	180 210 250	140 190
40.41	35	2450	8.9	W5	100 112 132 160 180	180 210 250 280	140 190
36.37	38	2350	9.5	W5	100 112 132 160 180	180 210 250 280	140 190
31.73	44	2240	10.3	W5	132 160 180	210 250 280	190
28.43	49	2160	11.1	W5	132 160 180	210 250 280	190
25.22	56	2080	12.1	W5	132 160 180	210 250 280	190
22.15	63	1990	13.2	W5	132 160 180	210 250 280	190
G62							
31.16	45	2040	9.6	W4	100 112 132	180 210	140 190
28.42	49	2020	10.4	W4	100 112 132	180 210	140 190
26.36	53	2120	11.8	W4	100 112 132	180 210	140 190
23.88	59	2200	13.5	W5	100 112 132 160	180 210 250	140 190
21.72	64	2110	14.2	W5	100 112 132 160	180 210 250	140 190
19.60	71	2100	15.7	W5	100 112 132 160 180	180 210 250 280	140 190
17.78	79	2010	16.6	W5	100 112 132 160 180	180 210 250 280	140 190
15.40	91	1930	18.4	W5	132 160 180	210 250 280	190
13.94	100	1860	19.6	W5	132 160 180	210 250 280	190
12.65	111	1780	20.6	W5	132 160 180	210 250 280	190
11.28	124	1690	22.0	W5	132 160 180	210 250 280	190
9.57	146	1570	22.0	W5	132 160 180	210 250 280	190
8.16	171	1460	22.0	W5	160 180	250 280	
7.47	187	1220	22.0	W5	132 160 180	210 250 280	190
6.76	207	1180	22.0	W5	132 160 180	210 250 280	190
6.13	228	1150	22.0	W5	132 160 180	210 250 280	190
5.47	256	1110	22.0	W5	132 160 180	210 250 280	190
4.64	302	1050	22.0	W5	132 160 180	210 250 280	190
3.96	354	1000	22.0	W5	160 180	250 280	

i	n2 [1/min] n1=1400	T2max [Nm]	P1max [kW]	-W	Przyłącze silnikowe -M IEC	Przyłącze silnikowe -M NEMA	Przyłącze silnikowe -M S
G73G33							
19566	0.072	4880	<0.05	W1	63 71	56	70
16797	0.083	4880	<0.05	W1	63 71	56	70
14612	0.096	4880	<0.05	W1	63 71	56	70
12842	0.11	4880	0.06	W1	63 71	56	70
11381	0.12	4880	0.06	W1	63 71	56	70
10153	0.14	4880	0.07	W1	63 71	56	70
9107.3	0.15	4880	0.08	W1	63 71	56	70
8277.0	0.17	4880	0.09	W1	63 71	56	70
7297.6	0.19	4880	0.10	W1	63 71	56	70
6463.2	0.22	4880	0.11	W1	63 71	56	70
5863.6	0.24	4880	0.12	W1	63 71	56	70
5033.8	0.28	4880	0.14	W2			
4511.4	0.31	4880	0.16	W1	63 71	56	70
4046.7	0.35	4880	0.18	W1	63 71	56	70
3677.8	0.38	4880	0.19	W1	63 71 80	56 140	70 90
3242.6	0.43	4880	0.22	W1	63 71 80	56 140	70 90
G73G32							
2832.9	0.49	4880	0.25	W1	63 71 80	56 140	70 90
2529.7	0.55	4880	0.28	W1	63 71 80	56 140	70 90
2275.0	0.62	4880	0.31	W1	63 71 80	56 140	70 90
2058.1	0.68	4880	0.35	W1	63 71 80	56 140	70 90
1876.0	0.75	4880	0.38	W1	63 71 80 90	56 140	70 90 110
1673.6	0.84	4880	0.43	W1	63 71 80 90	56 140	70 90 110
1501.2	0.93	4880	0.48	W1	63 71 80 90	56 140	70 90 110
1361.9	1.0	4880	0.53	W1	63 71 80 90	56 140	70 90 110
1179.7	1.2	4880	0.61	W2	63 71 80 90	56 140	70 90 110
1067.4	1.3	4880	0.67	W2	63 71 80 90	56 140	70 90 110
969.05	1.4	4880	0.74	W2	63 71 80 90	56 140	70 90 110
864.03	1.6	4880	0.83	W2	63 71 80 90 100	56 140 180	70 90 110 140
834.86	1.7	4880	0.86	W2	80 90 100	140 180	90 110 140
817.18	1.7	4880	0.88	W3	100	180	140
731.12	1.9	4880	0.98	W2	80 90 100	140 180	90 110 140
722.33	1.9	4880	0.99	W2	63 71 80 90 100	56 140 180	70 90 110 140
655.34	2.1	4880	1.09	W2	80 90 100	140 180	90 110 140
655.31	2.1	4880	1.09	W2	63 71 80 90 100	56 140 180	70 90 110 140
580.73	2.4	4880	1.23	W2	80 90 100	140 180	90 110 140
567.65	2.5	4880	1.26	W2	63 71 80 90 100	56 140 180	70 90 110 140
513.62	2.7	4880	1.39	W2	63 71 80 90 100	56 140 180	70 90 110 140
511.16	2.7	4880	1.40	W2	80 90 100	140 180	90 110 140
466.28	3.0	4880	1.54	W2	63 71 80 90 100 112	56 140 180	70 90 110 140
447.65	3.1	4880	1.60	W2	80 90 100 112	140 180	90 110 140
415.75	3.4	4880	1.72	W2	63 71 80 90 100 112	56 140 180	70 90 110 140
406.12	3.4	4880	1.76	W3	80 90 100 112	140 180	90 110 140
351.79	4.0	4880	2.04	W3	80 90 100 112	140 180	90 110 140

Motoreduktory Walcowe G

i	n2 [1/min] n1=1400	T2max [Nm]	P1max [kW]	-W	Przyłącze silnikowe -M IEC	Przyłącze silnikowe -M NEMA	Przyłącze silnikowe -M S
G73G32							
318.30	4.4	4880	2.25	W3	80 90 100 112	140 180	90 110 140
288.96	4.8	4880	2.48	W3	80 90 100 112	140 180	90 110 140
257.65	5.4	4880	2.78	W3	80 90 100 112	140 180	90 110 140
G73							
250.97	5.6	4880	2.85	W3	100	180	140
228.26	6.1	4880	3.14	W3	100 112	180	140
208.90	6.7	4880	3.43	W3	100 112	180	140
193.61	7.2	4880	3.70	W3	100 112	180	140
175.48	8.0	4880	4.08	W3	100 112 132	180 210	140 190
160.04	8.7	4880	4.47	W4	100 112 132	180 210	140 190
148.43	9.4	4880	4.82	W4	100 112 132	180 210	140 190
134.48	10	4880	5.3	W4	100 112 132 160	180 210 250	140 190
122.32	11	4880	5.9	W4	100 112 132 160	180 210 250	140 190
110.37	13	4880	6.5	W4	100 112 132 160	180 210 250	140 190
100.13	14	4880	7.2	W4	100 112 132 160	180 210 250	140 190
86.74	16	4880	8.3	W4	132 160 180	210 250 280	190
78.48	18	4880	9.1	W5	132 160 180	210 250 280	190
71.25	20	4880	10.1	W5	132 160 180	210 250 280	190
63.53	22	4880	11.3	W5	132 160 180	210 250 280	190
53.88	26	4880	13.3	W5	132 160 180	210 250 280	190
47.41	30	4880	15.1	W5	100 112 132 160 180	180 210 250 280	140 190
41.07	34	4800	17.1	W5	132 160 180	210 250 280	190
37.16	38	4640	18.3	W5	132 160 180	210 250 280	190
33.74	41	4510	19.6	W5	132 160 180	210 250 280	190
30.08	47	4360	21.2	W5	132 160 180	210 250 280	190
25.51	55	4150	23.8	W5	132 160 180	210 250 280	190
21.77	64	3960	26.7	W5	160 180	250 280	
G72							
26.11	54	4130	23.2	W5	100 112 132 160	180 210 250	140 190
23.65	59	4160	25.8	W5	100 112 132 160 180	180 210 250 280	140 190
21.55	65	3970	27.0	W5	100 112 132 160 180	180 210 250 280	140 190
18.87	74	3910	30.0	W5	132 160 180	210 250 280	190
17.17	82	3730	30.0	W5	132 160 180	210 250 280	190
15.46	91	3540	30.0	W5	132 160 180	210 250 280	190
13.88	101	3360	30.0	W5	132 160 180	210 250 280	190
11.91	118	3130	30.0	W5	132 160 180	210 250 280	190
10.29	136	2930	30.0	W5	160 180	250 280	
9.15	153	2450	30.0	W5	132 160 180	210 250 280	190
8.95	156	2740	30.0	W5	160 180	250 280	
8.32	168	2350	30.0	W5	132 160 180	210 250 280	190
7.50	187	2240	30.0	W5	132 160 180	210 250 280	190
6.73	208	2140	30.0	W5	132 160 180	210 250 280	190
5.77	242	2000	30.0	W5	132 160 180	210 250 280	190
4.99	280	1880	30.0	W5	160 180	250 280	
4.34	323	1760	30.0	W5	160 180	250 280	

Motoreduktory Walcowe G

i	n2 [1/min] n1=1400	T2max [Nm]	P1max [kW]	-W	Przyłącze silnikowe -M IEC	Przyłącze silnikowe -M NEMA	Przyłącze silnikowe -M S
G83G43							
19895	0.070	8900	0.07	W1	63 71	56	70
17193	0.081	8900	0.08	W1	63 71	56	70
15059	0.093	8900	0.09	W1	63 71	56	70
13332	0.11	8900	0.10	W1	63 71	56	70
11905	0.12	8900	0.11	W1	63 71	56	70
10707	0.13	8900	0.12	W1	63 71	56	70
9685.6	0.14	8900	0.13	W1	63 71	56	70
8828.6	0.16	8900	0.15	W1	63 71	56	70
7876.1	0.18	8900	0.17	W1	63 71	56	70
7064.8	0.20	8900	0.18	W1	63 71 80	56 140	70 90
6426.4	0.22	8900	0.20	W1	63 71 80	56 140	70 90
5788.3	0.24	8900	0.23	W1	63 71 80	56 140	70 90
5393.9	0.26	8900	0.24	W1	63 71 80	56 140	70 90
4879.5	0.29	8900	0.27	W1	63 71 80	56 140	70 90
4447.7	0.31	8900	0.29	W1	63 71 80	56 140	70 90
3967.9	0.35	8900	0.33	W1	63 71 80	56 140	70 90
3559.2	0.39	8900	0.37	W1	63 71 80	56 140	70 90
3237.5	0.43	8900	0.40	W1	63 71 80 90	56 140	70 90 110
2916.1	0.48	8900	0.45	W1	63 71 80 90	56 140	70 90 110
G83G42							
2541.6	0.55	8900	0.51	W1	63 71 80 90	56 140	70 90 110
2294.9	0.61	8900	0.57	W1	63 71 80 90	56 140	70 90 110
2084.8	0.67	8900	0.63	W2	63 71 80 90	56 140	70 90 110
1906.2	0.73	8900	0.68	W2	63 71 80 90	56 140	70 90 110
1710.4	0.82	8900	0.76	W2	63 71 80 90 100	56 140 180	70 90 110 140
1543.6	0.91	8900	0.85	W2	63 71 80 90 100	56 140 180	70 90 110 140
1420.8	0.99	8900	0.92	W2	80 90 100	140 180	90 110 140
1404.1	1.00	8900	0.93	W2	63 71 80 90 100	56 140 180	70 90 110 140
1269.9	1.1	8900	1.03	W2	80 90 100	140 180	90 110 140
1264.7	1.1	8900	1.03	W2	63 71 80 90 100	56 140 180	70 90 110 140
1135.5	1.2	8900	1.15	W2	63 71 80 90 100	56 140 180	70 90 110 140
1127.6	1.2	8900	1.16	W2	80 90 100	140 180	90 110 140
999.24	1.4	8900	1.31	W2	80 90 100	140 180	90 110 140
974.05	1.4	8900	1.34	W2	63 71 80 90 100	56 140 180	70 90 110 140
908.94	1.5	8900	1.44	W2	80 90 100	140 180	90 110 140
841.95	1.7	8900	1.55	W2	63 71 80 90 100 112	56 140 180	70 90 110 140
818.69	1.7	8900	1.59	W2	80 90 100 112	140 180	90 110 140
735.08	1.9	8900	1.77	W3	80 90 100 112	140 180	90 110 140
731.87	1.9	8620	1.73	W2	63 71 80 90 100 112	56 140 180	70 90 110 140
645.52	2.2	8900	2.02	W3	80 90 100 112	140 180	90 110 140
573.21	2.4	8900	2.28	W3	80 90 100 112	140 180	90 110 140
507.95	2.8	8900	2.57	W3	80 90 100 112	140 180	90 110 140
462.05	3.0	8900	2.82	W3	80 90 100 112	140 180	90 110 140
416.17	3.4	8900	3.13	W3	80 90 100 112 132	140 180 210	90 110 140 190
373.66	3.7	8900	3.49	W3	80 90 100 112 132	140 180 210	90 110 140 190

Motoreduktory Walcowe G

i	n2 [1/min] n1=1400	T2max [Nm]	P1max [kW]	-W	Przyłącze silnikowe -M IEC	Przyłącze silnikowe -M NEMA	Przyłącze silnikowe -M S
G83G42							
320.53	4.4	8900	4.07	W3	80 90 100 112 132	140 180 210	90 110 140 190
285.24	4.9	8900	4.57	W4	100 112 132	180 210	140 190
244.36	5.7	8900	5.3	W4	132	210	190
215.53	6.5	8900	6.1	W4	132	210	190
G83							
186.96	7.5	8900	7.0	W4	132	210	190
170.93	8.2	8900	7.6	W4	132	210	190
158.00	8.9	8900	8.3	W4	132	210	190
143.59	9.8	8900	9.1	W5	132 160	210 250	190
131.06	11	8900	10.0	W5	132 160	210 250	190
118.71	12	8900	11.0	W5	132 160 180	210 250 280	190
108.13	13	8900	12.1	W5	132 160 180	210 250 280	190
94.72	15	8900	13.8	W5	132 160 180	210 250 280	190
86.16	16	8900	15.1	W5	132 160 180	210 250 280	190
77.61	18	8900	16.8	W5	132 160 180	210 250 280	190
69.68	20	8900	18.7	W5	132 160 180	210 250 280	190
59.77	23	8900	21.8	W5	132 160 180	210 250 280	190
51.67	27	8900	25.2	W5	160 180	250 280	
44.91	31	8900	29.0	W5	160 180	250 280	
38.61	36	8590	32.6	W5	132 160 180	210 250 280	190
34.66	40	8310	35.1	W5	132 160 180	210 250 280	190
29.74	47	7940	39.1	W5	132 160 180	210 250 280	190
25.70	54	7600	43.3	W5	160 180	250 280	
22.34	63	7290	45.0	W5	160 180	250 280	
G82							
18.81	74	6040	45.0	W5	132 160 180	210 250 280	190
17.01	82	5920	45.0	W5	132 160 180	210 250 280	190
14.76	95	5640	45.0	W5	132 160 180	210 250 280	190
12.91	108	5440	45.0	W5	160 180	250 280	
11.37	123	5250	45.0	W5	160 180	250 280	
9.79	143	4560	45.0	W5	132 160 180	210 250 280	190
8.85	158	4360	45.0	W5	132 160 180	210 250 280	190
7.68	182	4100	45.0	W5	132 160 180	210 250 280	190
6.72	208	3870	45.0	W5	160 180	250 280	
5.92	236	3650	45.0	W5	160 180	250 280	

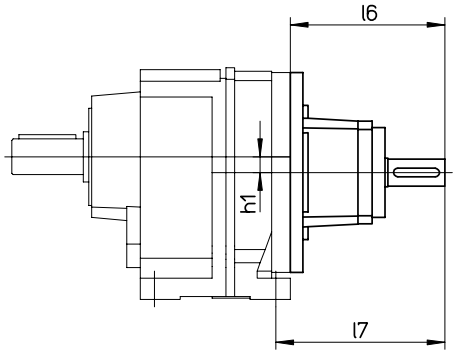


Fig. 1

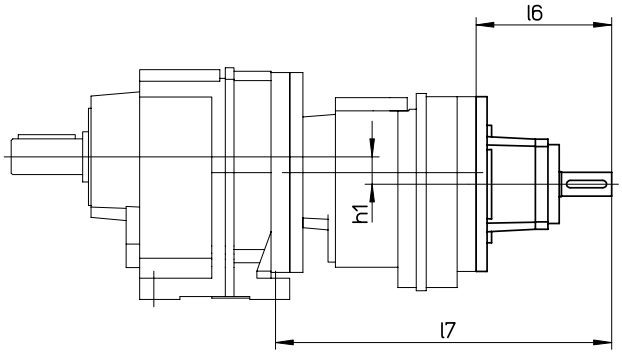


Fig. 2

Typ	Fig.	h1	l6	l7
G0_ -W1	1	7	79.5	81
G1_ -W1	1	5	78.5	90.5
G1_ -W2	1	5	113.5	125.5
G13G0_ -W1	2	12	79.5	203
G2_ -W1	1	11	75.5	85.5
G2_ -W2	1	11	108.5	118.5
G2_ -W3	1	11	153.5	163.5
G2_G1_ -W1	2	16	78.5	211.5
G2_G1_ -W2	2	16	113.5	246.5
G3_ -W1	1	11	75	83
G3_ -W2	1	11	110	118
G3_ -W3	1	11	154	162
G3_ -W4	1	11	192.5	200.5
G33G1_ -W1	2	16	78.5	209.5
G33G1_ -W2	2	16	113.5	244.5
G4_ -W1	1	16	71.5	71.5
G4_ -W2	1	16	106.5	106.5
G4_ -W3	1	16	149.5	149.5
G4_ -W4	1	16	189	189
G43G2_ -W1	2	27	75.5	220.5
G43G2_ -W2	2	27	108.5	253.5
G43G2_ -W3	2	27	153.5	298.5
G5_ -W2	1	20	101.5	85.5
G5_ -W3	1	20	146	130
G5_ -W4	1	20	185.5	169.5
G5_ -W5	1	20	243.5	227.5
G53G2_ -W1	2	31	75.5	204.5
G53G2_ -W2	2	31	108.5	237.5
G53G2_ -W3	2	31	153.5	282.5

Typ	Fig.	h1	l6	l7
G6_ -W3	1	20	139	139
G6_ -W4	1	20	178.5	178.5
G6_ -W5	1	20	237.5	237.5
G63G3_ -W1	2	31	75	249
G63G3_ -W2	2	31	110	284
G63G3_ -W3	2	31	154	328
G63G3_ -W4	2	31	192.5	366.5
G7_ -W3	1	28.5	132	132
G7_ -W4	1	28.5	170.5	170.5
G7_ -W5	1	28.5	229	229
G73G3_ -W1	2	39.5	75	249
G73G3_ -W2	2	39.5	110	284
G73G3_ -W3	2	39.5	154	328
G73G3_ -W4	2	39.5	192.5	366.5
G8_ -W4	1	32	154	154
G8_ -W5	1	32	218	218
G83G4_ -W1	2	48	71.5	272.5
G83G4_ -W2	2	48	106.5	307.5
G83G4_ -W3	2	48	149.5	350.5
G83G4_ -W4	2	48	189	390

Motoreduktory Walcowe G z przyłączem do silników IEC

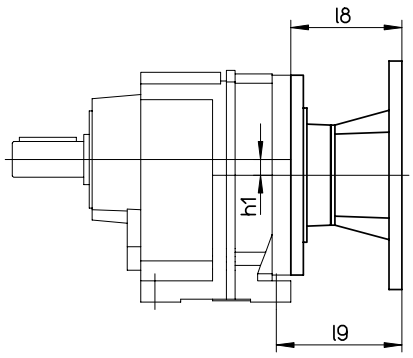


Fig. 1

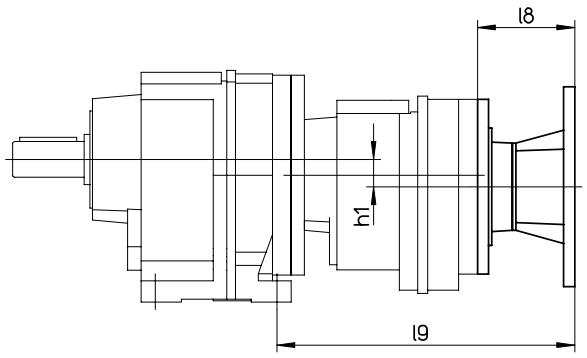


Fig. 2

Typ	Fig.	h1	l8	l9
G0_ -M IEC63	1	7	75	76.5
G0_ -M IEC71	1	7	82	83.5
G1_ -M IEC63	1	5	74	86
G1_ -M IEC71	1	5	81	93
G1_ -M IEC80	1	5	118	130
G1_ -M IEC90	1	5	128	140
G13G0_ -M IEC63	2	12	75	198.5
G13G0_ -M IEC71	2	12	82	205.5
G2_ -M IEC63	1	11	71	81
G2_ -M IEC71	1	11	78	88
G2_ -M IEC80	1	11	113	123
G2_ -M IEC90	1	11	123	133
G2_ -M IEC100	1	11	156.5	166.5
G2_ -M IEC112	1	11	156.5	166.5
G2_G1_ -M IEC63	2	16	74	207
G2_G1_ -M IEC71	2	16	81	214
G2_G1_ -M IEC80	2	16	118	251
G32 -M IEC63	1	11	70.5	78.5
G3_ -M IEC71	1	11	77.5	85.5
G3_ -M IEC80	1	11	114.5	122.5
G3_ -M IEC90	1	11	124.5	132.5
G3_ -M IEC100	1	11	157	165
G3_ -M IEC112	1	11	157	165
G3_ -M IEC132	1	11	196	204
G33G1_ -M IEC63	2	16	74	205
G33G1_ -M IEC71	2	16	81	212
G33G1_ -M IEC80	2	16	118	249

Typ	Fig.	h1	l8	l9
G4_ -M IEC63	1	16	67	67
G4_ -M IEC71	1	16	74	74
G4_ -M IEC80	1	16	111	111
G4_ -M IEC90	1	16	121	121
G4_ -M IEC100	1	16	152.5	152.5
G4_ -M IEC112	1	16	152.5	152.5
G4_ -M IEC132	1	16	192.5	192.5
G43G2_ -M IEC63	2	27	71	216
G43G2_ -M IEC71	2	27	78	223
G43G2_ -M IEC80	2	27	113	258
G43G2_ -M IEC90	2	27	123	268
G5_ -M IEC80	1	20	106	90
G5_ -M IEC90	1	20	116	100
G5_ -M IEC100	1	20	149	133
G5_ -M IEC112	1	20	149	133
G5_ -M IEC132	1	20	189	173
G5_ -M IEC160	1	20	249	233
G5_ -M IEC180	1	20	249	233
G53G2_ -M IEC63	2	31	71	200
G53G2_ -M IEC71	2	31	78	207
G53G2_ -M IEC80	2	31	113	242
G53G2_ -M IEC90	2	31	123	252
G53G2_ -M IEC100	2	31	156.5	285.5

Motoreduktory Walcowe G z przyłączem do silników IEC

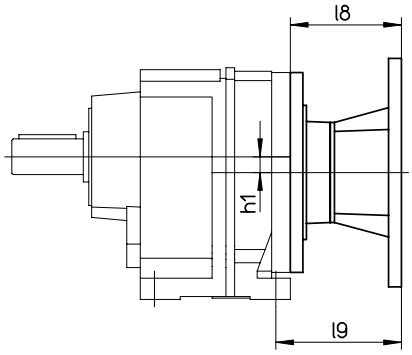


Fig. 1

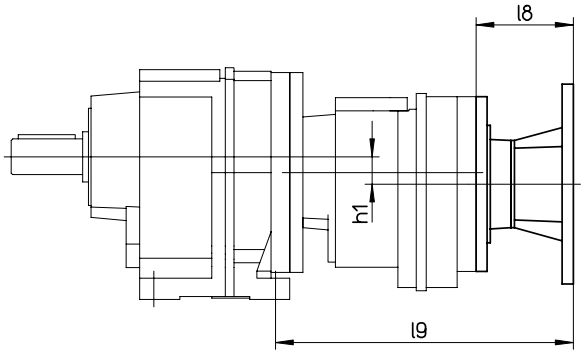


Fig. 2

Typ	Fig.	h1	l8	l9
G6_ -M IEC100	1	20	142	142
G6_ -M IEC112	1	20	142	142
G6_ -M IEC132	1	20	182	182
G6_ -M IEC160	1	20	243	243
G6_ -M IEC180	1	20	243	243
G63G3_ -M IEC63	2	31	70.5	244.5
G63G3_ -M IEC71	2	31	77.5	251.5
G63G3_ -M IEC80	2	31	114.5	288.5
G63G3_ -M IEC90	2	31	124.5	298.5
G63G3_ -M IEC100	2	31	157	331
G63G3_ -M IEC112	2	31	157	331
G7_ -M IEC100	1	28.5	135	135
G7_ -M IEC112	1	28.5	135	135
G7_ -M IEC132	1	28.5	174	174
G7_ -M IEC160	1	28.5	234.5	234.5
G7_ -M IEC180	1	28.5	234.5	234.5
G73G3_ -M IEC63	2	39.5	70.5	244.5
G73G3_ -M IEC71	2	39.5	77.5	251.5
G73G3_ -M IEC80	2	39.5	114.5	288.5
G73G3_ -M IEC90	2	39.5	124.5	298.5
G73G3_ -M IEC100	2	39.5	157	331
G73G3_ -M IEC112	2	39.5	157	331

Typ	Fig.	h1	l8	l9
G8_ -M IEC132	1	32	157.5	157.5
G8_ -M IEC160	1	32	223.5	223.5
G8_ -M IEC180	1	32	223.5	223.5
G83G4_ -M IEC63	2	48	67	268
G83G4_ -M IEC71	2	48	74	275
G83G4_ -M IEC80	2	48	111	312
G83G4_ -M IEC90	2	48	121	322
G83G4_ -M IEC100	2	48	152.5	353.5
G83G4_ -M IEC112	2	48	152.5	353.5
G83G4_ -M IEC132	2	48	192.5	393.5

Motoreduktory Walcowe G z przyłączem do silników NEMA

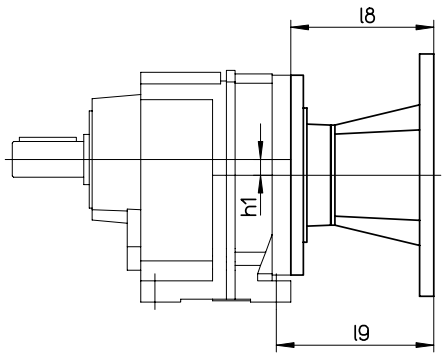


Fig. 1

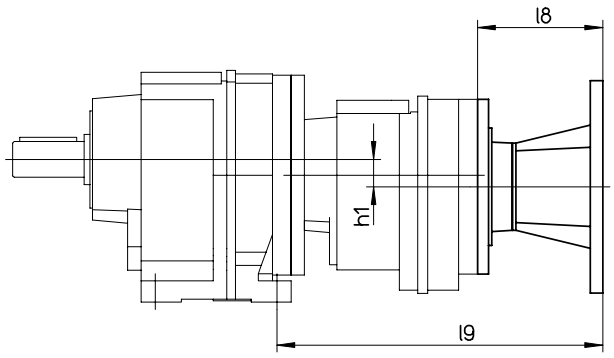


Fig. 2

Typ	Fig.	h1	l8	l9
G0_ -M NEMA56	1	7	104	105.5
G1_ -M NEMA56	1	5	103	115
G1_ -M NEMA140	1	5	132	144
G13G0_ -M NEMA56	2	12	104	227.5
G2_ -M NEMA56	1	11	100	110
G2_ -M NEMA140	1	11	127	137
G2_ -M NEMA180	1	11	163	173
G2_G1_ -M NEMA56	2	16	103	236
G2_G1_ -M NEMA140	2	16	132	265
G3_ -M NEMA56	1	11	99.5	107.5
G3_ -M NEMA140	1	11	128.5	136.5
G3_ -M NEMA180	1	11	163.5	171.5
G3_ -M NEMA210	1	11	195.5	203.5
G33G1_ -M NEMA56	2	16	103	234
G33G1_ -M NEMA140	2	16	132	263
G4_ -M NEMA56	1	16	96	96
G4_ -M NEMA140	1	16	125	125
G4_ -M NEMA180	1	16	159	159
G4_ -M NEMA210	1	16	192	192
G43G2_ -M NEMA56	2	27	100	245
G43G2_ -M NEMA140	2	27	127	272
G5_ -M NEMA140	1	20	120	104
G5_ -M NEMA180	1	20	155.5	139.5
G5_ -M NEMA210	1	20	188.5	172.5
G5_ -M NEMA250	1	20	234.5	218.5
G5_ -M NEMA280	1	20	250.5	234.5
G53G2_ -M NEMA56	2	31	100	229
G53G2_ -M NEMA140	2	31	127	256
G53G2_ -M NEMA180	2	31	163	292

Typ	Fig.	h1	l8	l9
G6_ -M NEMA180	1	20	148.5	148.5
G6_ -M NEMA210	1	20	181.5	181.5
G6_ -M NEMA250	1	20	228.5	228.5
G6_ -M NEMA280	1	20	244.5	244.5
G63G3_ -M NEMA56	2	31	99.5	273.5
G63G3_ -M NEMA140	2	31	128.5	302.5
G63G3_ -M NEMA180	2	31	163.5	337.5
G7_ -M NEMA180	1	28.5	141.5	141.5
G7_ -M NEMA210	1	28.5	173.5	173.5
G7_ -M NEMA250	1	28.5	220	220
G7_ -M NEMA280	1	28.5	236	236
G73G3_ -M NEMA56	2	39.5	99.5	273.5
G73G3_ -M NEMA140	2	39.5	128.5	302.5
G73G3_ -M NEMA180	2	39.5	163.5	337.5
G8_ -M NEMA210	1	32	157	157
G8_ -M NEMA250	1	32	209	209
G8_ -M NEMA280	1	32	225	225
G83G4_ -M NEMA56	2	48	96	297
G83G4_ -M NEMA140	2	48	125	326
G83G4_ -M NEMA180	2	48	159	360
G83G4_ -M NEMA210	2	48	192	393

Motoreduktory Walcowe G z przyłączem do serwomotorów

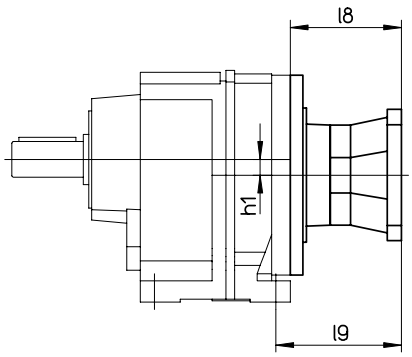


Fig. 1

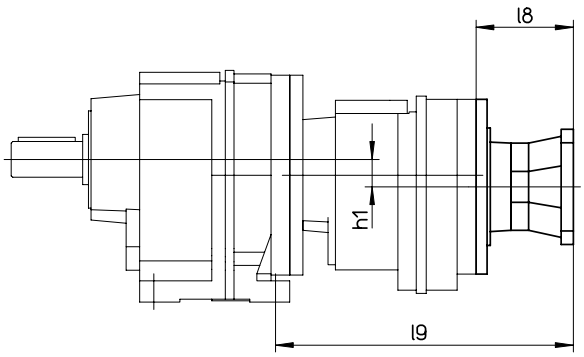
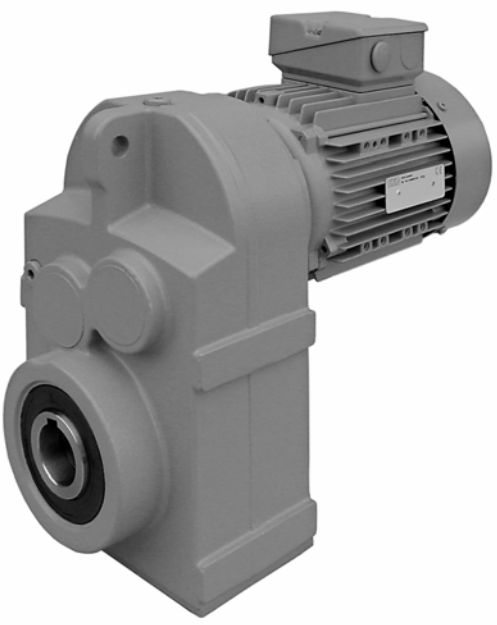


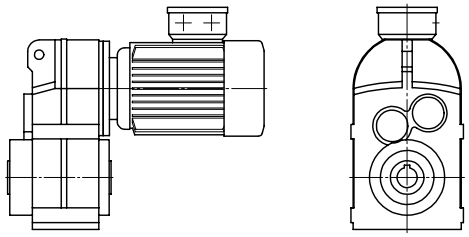
Fig. 2

Typ	Fig.	h1	l8	l9
G0_ -M S70/1	1	7	75	76.5
G1_ -M S70/1	1	5	74	86
G1_ -M S90/1	1	5	108	120
G1_ -M S110/1	1	5	118	130
G13G0_ -M S70/1	2	12	75	198.5
G2_ -M S70/1	1	11	71	81
G2_ -M S90/1	1	11	103	113
G2_ -M S110/1	1	11	113	123
G2_ -M S140/1	1	11	146.5	156.5
G2_G1_ -M S70/1	2	16	74	207
G2_G1_ -M S90/1	2	16	108	241
G3_ -M S70/1	1	11	70.5	78.5
G3_ -M S90/1	1	11	104.5	112.5
G3_ -M S110/1	1	11	114.5	122.5
G3_ -M S140/1	1	11	147	155
G3_ -M S190/1	1	11	174	182
G33G1_ -M S70/1	2	16	74	205
G33G1_ -M S90/1	2	16	108	239
G4_ -M S70/1	1	16	67	67
G4_ -M S90/1	1	16	101	101
G4_ -M S110/1	1	16	111	111
G4_ -M S140/1	1	16	142.5	142.5
G4_ -M S190/1	1	16	170.5	170.5
G43G2_ -M S70/1	2	27	71	216
G43G2_ -M S90/1	2	27	103	248
G43G2_ -M S110/1	2	27	113	258

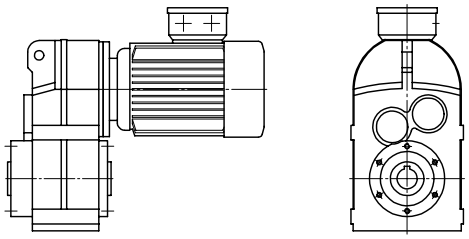
Typ	Fig.	h1	l8	l9
G5_ -M S90/1	1	20	96	80
G5_ -M S110/1	1	20	106	90
G5_ -M S140/1	1	20	139	123
G5_ -M S190/1	1	20	167	151
G53G2_ -M S70/1	2	31	71	200
G53G2_ -M S90/1	2	31	103	232
G53G2_ -M S110/1	2	31	113	242
G53G2_ -M S140/1	2	31	146.5	275.5
G6_ -M S140/1	1	20	132	132
G6_ -M S190/1	1	20	160	160
G63G3_ -M S70/1	2	31	70.5	244.5
G63G3_ -M S90/1	2	31	104.5	278.5
G63G3_ -M S110/1	2	31	114.5	288.5
G63G3_ -M S140/1	2	31	147	321
G7_ -M S140/1	1	28.5	125	125
G7_ -M S190/1	1	28.5	152	152
G73G3_ -M S70/1	2	39.5	70.5	244.5
G73G3_ -M S90/1	2	39.5	104.5	278.5
G73G3_ -M S110/1	2	39.5	114.5	288.5
G73G3_ -M S140/1	2	39.5	147	321
G8_ -M S190/1	1	32	135.5	135.5
G83G4_ -M S70/1	2	48	67	268
G83G4_ -M S90/1	2	48	101	302
G83G4_ -M S110/1	2	48	111	312
G83G4_ -M S140/1	2	48	142.5	343.5
G83G4_ -M S190/1	2	48	170.5	371.5

Motoreduktory Walcowe z Wałem Drążonym F

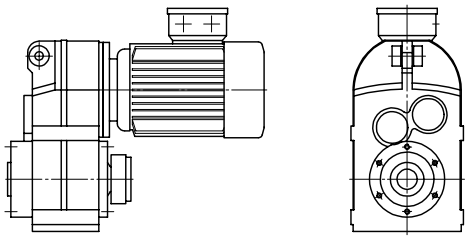




Wykonanie z wałem drążonym
z wałem drążonym i rowkiem wpustowym
Przykład: F42**A** DL100L4

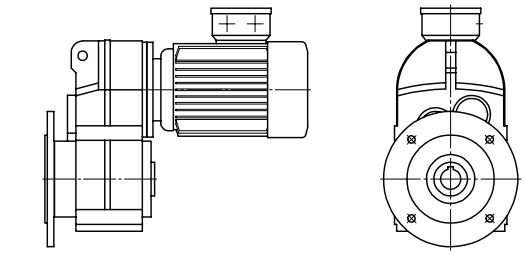


Wykonanie z wałem drążonym
z wałem drążonym i rowkiem wpustowym
Przykład: F53**B** DA132M4

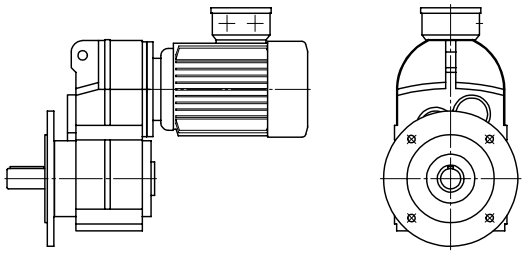


Wykonanie z wałem drążonym
z wałem drążonym i pierścieniem zaciskowym
z wkładkami gumowymi
Przykład: F32**BSG** DL90S4

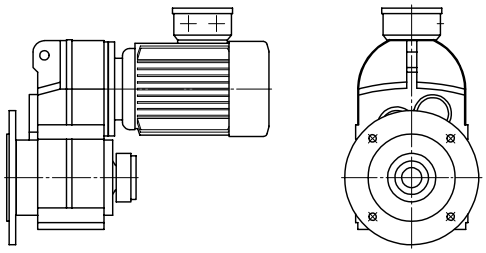
Motoreduktory Walcowe z Wałem Drążonym F



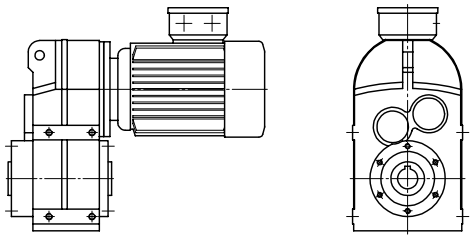
Wykonanie z dużym kołnierzem
z wałem drążonym i rowkiem wpustowym
Przykład: F33**C** DL71G4



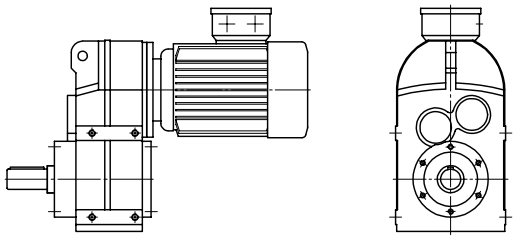
Wykonanie z dużym kołnierzem
z wałem wyjściowym pełnym i wpustem
Przykład: F42**CV** DL100LX4



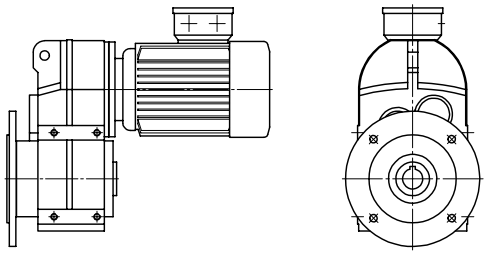
Wykonanie z dużym kołnierzem
z wałem drążonym i pierścieniem
zaciskowym
Przykład: F52**CS** DA132S4



Wersja nasadowa + powierzchnie boczne
z wałem drążonym i rowkiem wpustowym
Przykład: F43**D** DL90L4



Wersja nasadowa + powierzchnie boczne
z wałem wyjściowym pełnym i wpustem
Przykład: F32**DV** DL80G4



Wersja kołnierzowa + powierzchnie boczne
z wałem drążonym i rowkiem wpustowym
Przykład: F42**E** DL112M4

n2 [1/min]	T2 [Nm]	cG	i	Typ	Wymiary Strona	~kg
0.12 kW						
0.18	6090	0.80	7973.9	**F73G33A DL63K4**	93/94	138
0.20	5400	0.90	7062.2	**F73G33B DL63K4**		138
0.22	4890	1.00	6407.0	**F73G33C DL63K4**		146
0.29	3770	1.30	4929.5			
0.32	3380	1.45	4421.8			
0.35	3070	1.60	4018.7			
0.40	2710	1.80	3543.1			
0.46	2420	2.0	3095.5	**F73G32A DL63K4**	93/94	138
0.51	2160	2.3	2764.2	**F73G32B DL63K4**		138
0.57	1940	2.5	2485.9	**F73G32C DL63K4**		146
0.63	1750	2.8	2248.8			
0.69	1600	3.0	2049.8			
0.77	1430	3.4	1828.7			
0.32	3370	0.85	4414.4	**F63G23A DL63K4**	92/94	83
				F63G23B DL63K4		83
				F63G23C DL63K4		89
0.35	3100	0.90	3976.5	**F63G22A DL63K4**	92/94	83
0.41	2660	1.05	3413.8	**F63G22B DL63K4**		83
0.47	2320	1.20	2969.6	**F63G22C DL63K4**		89
0.54	2040	1.40	2610.0			
0.61	1800	1.55	2313.0			
0.68	1610	1.75	2063.5			
0.76	1440	1.95	1850.9			
0.84	1310	2.1	1682.2			
0.95	1160	2.4	1483.1			
1.1	1020	2.7	1313.5			
1.2	950	3.0	1214.4			
1.3	855	3.3	1094.0			
1.5	750	3.7	958.03			
0.59	1880	0.85	2405.6	**F53G22A DL63K4**	91/94	58
0.67	1650	0.95	2114.3	**F53G22B DL63K4**		58
0.75	1460	1.10	1873.6	**F53G22C DL63K4**		62
0.84	1300	1.20	1671.5			
0.94	1170	1.35	1499.3			
1.0	1060	1.50	1362.7			
1.2	935	1.70	1201.4			
1.3	830	1.90	1064.0			
1.5	750	2.1	960.29			
1.6	690	2.3	883.90			
1.8	605	2.6	776.06			
2.0	545	2.9	696.12			
2.2	495	3.2	632.66			
2.5	435	3.6	557.80			
1.00	1100	0.80	1413.8	**F43G12A DL63K4**	90/94	36
1.1	965	0.90	1234.0	**F43G12B DL63K4**		36
1.3	845	1.05	1080.8	**F43G12C DL63K4**		38
1.4	775	1.15	993.44			
1.6	685	1.30	875.23			
1.8	605	1.45	775.93			
2.0	540	1.65	691.34			
2.3	485	1.80	620.62			
2.6	425	2.1	541.69			
3.0	370	2.4	474.45			
3.3	335	2.7	426.68			
3.7	300	2.9	386.00			
4.0	275	3.2	351.84			

n2 [1/min]	T2 [Nm]	cG	i	Typ	Wymiary Strona	~kg
0.12 kW						
2.0	535	0.90	688.08	**F33G12A DL63K4**	89/94	25
2.3	475	1.00	610.01	**F33G12B DL63K4**		25
2.6	425	1.10	543.51	**F33G12C DL63K4**		27
2.9	380	1.25	487.91			
3.3	330	1.40	425.86			
3.8	290	1.60	373.00			
4.2	260	1.80	332.76			
4.7	235	2.0	298.48			
5.2	210	2.2	271.27			
5.9	187	2.5	239.17			
6.7	165	2.8	211.83			
7.4	155	3.0	190.26	**F33A DL63K4**	89	20
8.6	133	3.5	163.34	**F33B DL63K4**		20
9.9	115	4.1	142.09	**F33C DL63K4**		22
11	102	4.6	124.88			
13	90	5.2	110.67			
14	80	5.9	98.73			
16	72	6.5	88.56			
18	65	7.2	80.49			
20	58	8.2	70.96			
22	51	9.2	62.85			
29	40	12	49.17			
32	36	13	43.87			
36	32	15	39.35			
39	29	16	35.76			
45	26	18	31.53			
50	23	21	27.93			
51	22	21	27.55	**F32A DL63K4**	89	20
57	20	24	24.60	**F32B DL63K4**		20
64	18	26	22.12	**F32C DL63K4**		22
70	16	29	20.01			
77	15	32	18.24			
87	13	36	16.27			
97	12	38	14.60			
166	6.9	52	8.50			
186	6.2	55	7.58			
207	5.5	60	6.80			
0.18 kW						
0.29	5650	0.85	4929.5	**F73G33A DL63G4**	93/94	138
0.32	5070	0.95	4421.8	**F73G33B DL63G4**		138
0.35	4610	1.05	4018.7	**F73G33C DL63G4**		146
0.40	4060	1.20	3543.1			
0.46	3620	1.35	3095.5	**F73G32A DL63G4**	93/94	138
0.51	3240	1.50	2764.2	**F73G32B DL63G4**		138
0.57	2910	1.70	2485.9	**F73G32C DL63G4**		146
0.63	2630	1.85	2248.8			
0.69	2400	2.0	2049.8			
0.77	2140	2.3	1828.7			
0.86	1920	2.5	1640.3			
0.95	1740	2.8	1488.1			
1.1	1510	3.2	1289.1			
1.2	1370	3.6	1166.4			

n2 [1/min]	T2 [Nm]	cG	i	Typ	Wymiary Strona	~kg
0.18 kW						
0.47	3480	0.80	2969.6	**F63G22A DL63G4**	92/94	83
0.54	3050	0.90	2610.0	**F63G22B DL63G4**		83
0.61	2710	1.05	2313.0	**F63G22C DL63G4**		89
0.68	2420	1.15	2063.5			
0.76	2170	1.30	1850.9			
0.84	1970	1.40	1682.2			
0.95	1740	1.60	1483.1			
1.1	1540	1.80	1313.5			
1.2	1420	1.95	1214.4			
1.3	1280	2.2	1094.0			
1.5	1120	2.5	958.03			
1.6	1010	2.8	859.35			
1.8	915	3.1	781.01			
2.0	805	3.5	688.59			
0.84	1960	0.80	1671.5	**F53G22A DL63G4**	91/94	58
0.94	1750	0.90	1499.3	**F53G22B DL63G4**		58
1.0	1590	1.00	1362.7	**F53G22C DL63G4**		62
1.2	1410	1.15	1201.4			
1.3	1250	1.25	1064.0			
1.5	1120	1.40	960.29			
1.6	1030	1.55	883.90			
1.8	910	1.75	776.06			
2.0	815	1.95	696.12			
2.2	740	2.1	632.66			
2.5	655	2.4	557.80			
2.9	580	2.7	494.02			
3.2	520	3.0	445.85			
3.4	480	3.3	410.38			
3.8	430	3.7	366.79			
1.6	1020	0.85	875.23	**F43G12A DL63G4**	90/94	36
1.8	910	0.95	775.93	**F43G12B DL63G4**		36
2.0	810	1.10	691.34	**F43G12C DL63G4**		38
2.3	725	1.20	620.62			
2.6	635	1.40	541.69			
3.0	555	1.60	474.45			
3.3	500	1.75	426.68			
3.7	450	1.95	386.00			
4.0	410	2.1	351.84			
4.5	365	2.4	313.88			
5.0	330	2.7	281.55			
5.5	300	3.0	255.44			
6.2	265	3.3	226.36			
7.1	235	3.8	199.24			
6.0	285	3.1	235.25	**F43A DL63G4**	90	31
6.9	250	3.6	203.29	**F43B DL63G4**		31
				F43C DL63G4		33
2.9	570	0.80	487.91	**F33G12A DL63G4**	89/94	25
3.3	500	0.95	425.86	**F33G12B DL63G4**		25
3.8	435	1.10	373.00	**F33G12C DL63G4**		27
4.2	390	1.20	332.76			
4.7	350	1.35	298.48			
5.2	315	1.50	271.27			
5.9	280	1.70	239.17			
6.7	250	1.90	211.83			

n2 [1/min]	T2 [Nm]	cG	i	Typ	Wymiary Strona	~kg
0.18 kW						
7.4	230	2.0	190.26	**F33A DL63G4**	89	20
8.6	199	2.4	163.34	**F33B DL63G4**		20
9.9	173	2.7	142.09	**F33C DL63G4**		22
11	152	3.1	124.88			
13	135	3.5	110.67			
14	120	3.9	98.73			
16	108	4.4	88.56			
18	98	4.8	80.49			
20	87	5.4	70.96			
22	77	6.1	62.85			
29	60	7.9	49.17			
32	53	8.8	43.87			
36	48	9.8	39.35			
39	44	11	35.76			
45	38	12	31.53			
50	34	14	27.93			
51	34	14	27.55	**F32A DL63G4**	89	20
57	30	16	24.60	**F32B DL63G4**		20
64	27	17	22.12	**F32C DL63G4**		22
70	24	19	20.01			
77	22	21	18.24			
87	20	24	16.27			
97	18	26	14.60			
166	10	34	8.50			
186	9.2	37	7.58			
207	8.3	40	6.80			
0.25 kW						
0.39	5740	0.85	3543.1	**F73G33A DL71K4**	93/94	138
				F73G33B DL71K4		138
				F73G33C DL71K4		146
0.45	5120	0.95	3095.5	**F73G32A DL71K4**	93/94	138
0.50	4570	1.05	2764.2	**F73G32B DL71K4**		138
0.56	4110	1.20	2485.9	**F73G32C DL71K4**		146
0.62	3720	1.30	2248.8			
0.68	3390	1.45	2049.8			
0.76	3030	1.60	1828.7			
0.84	2710	1.80	1640.3			
0.93	2460	2.00	1488.1			
1.1	2130	2.3	1289.1			
1.2	1930	2.5	1166.4			
1.3	1750	2.8	1058.9			
1.5	1560	3.1	944.12			
1.8	1310	3.7	789.28			
0.67	3410	0.80	2063.5	**F63G22A DL71K4**	92/94	83
0.75	3060	0.90	1850.9	**F63G22B DL71K4**		83
0.82	2780	1.00	1682.2	**F63G22C DL71K4**		89
0.93	2450	1.15	1483.1			
1.1	2170	1.30	1313.5			
1.1	2010	1.40	1214.4			
1.3	1810	1.55	1094.0			
1.4	1590	1.75	958.03			
1.6	1420	1.95	859.35			
1.8	1290	2.2	781.01			
2.0	1140	2.5	688.59			
2.3	1010	2.8	609.86			
2.5	935	3.0	563.82			
2.7	840	3.3	507.91			
3.0	755	3.7	455.13			

n2	T2	cG	i	Typ	Wymiary	~kg
[1/min]	[Nm]				Strona	
0.25 kW						
1.2	1990	0.80	1201.4	**F53G22A DL71K4**	91/94	58
1.3	1760	0.90	1064.0	**F53G22B DL71K4**		58
1.4	1590	1.00	960.29	**F53G22C DL71K4**		62
1.6	1460	1.10	883.90			
1.8	1280	1.25	776.06			
2.0	1150	1.40	696.12			
2.2	1050	1.50	632.66			
2.5	925	1.70	557.80			
2.8	820	1.95	494.02			
3.1	740	2.1	445.85			
3.4	680	2.3	410.38			
3.8	605	2.6	366.79			
4.3	540	2.9	325.70			
4.8	480	3.3	288.62			
2.2	1030	0.85	620.62	**F43G12A DL71K4**	90/94	36
2.6	895	1.00	541.69	**F43G12B DL71K4**		36
2.9	785	1.10	474.45	**F43G12C DL71K4**		38
3.2	705	1.25	426.68			
3.6	640	1.40	386.00			
3.9	580	1.50	351.84			
4.4	520	1.70	313.88			
4.9	465	1.90	281.55			
5.4	425	2.1	255.44			
6.1	375	2.4	226.36			
7.0	330	2.7	199.24			
5.9	405	2.2	235.25	**F43A DL71K4**	90	31
6.8	350	2.5	203.29	**F43B DL71K4**		31
7.8	305	2.9	178.07	**F43C DL71K4**		33
8.8	270	3.2	157.64			
4.2	550	0.85	332.76	**F33G12A DL71K4**	89/94	25
4.6	495	0.95	298.48	**F33G12B DL71K4**		25
5.1	450	1.05	271.27	**F33G12C DL71K4**		27
5.8	395	1.20	239.17			
6.5	350	1.35	211.83			
7.3	330	1.45	190.26	**F33A DL71K4**	89	20
8.5	280	1.65	163.34	**F33B DL71K4**		20
9.7	245	1.90	142.09	**F33C DL71K4**		22
11	215	2.2	124.88			
13	191	2.5	110.67			
14	170	2.8	98.73			
16	153	3.1	88.56			
17	139	3.4	80.49			
20	122	3.9	70.96			
22	108	4.3	62.85			
28	85	5.6	49.17			
32	76	6.2	43.87			
35	68	6.9	39.35			
39	62	7.6	35.76			
44	54	8.7	31.53			
50	48	9.8	27.93			

n2	T2	cG	i	Typ	Wymiary	~kg
[1/min]	[Nm]				Strona	
0.25 kW						
50	47	9.9	27.55	**F32A DL71K4**	89	20
56	42	11	24.60	**F32B DL71K4**		20
63	38	12	22.12	**F32C DL71K4**		22
69	34	14	20.01			
76	31	15	18.24			
85	28	17	16.27			
95	25	18	14.60			
163	15	24	8.50			
183	13	26	7.58			
204	12	28	6.80			
0.37 kW						
0.56	6110	0.80	2485.9	**F73G32A DL71G4**	93/94	139
0.61	5530	0.90	2248.8	**F73G32B DL71G4**		139
0.67	5040	0.95	2049.8	**F73G32C DL71G4**		147
0.75	4500	1.10	1828.7			
0.84	4030	1.20	1640.3			
0.93	3660	1.35	1488.1			
1.1	3170	1.55	1289.1			
1.2	2870	1.70	1166.4			
1.3	2600	1.85	1058.9			
1.5	2320	2.1	944.12			
1.7	1940	2.5	789.28			
1.9	1760	2.8	716.05			
2.2	1520	3.2	620.27			
2.5	1380	3.5	561.22			
1.1	3230	0.85	1313.5	**F63G22A DL71G4**	92/94	84
1.1	2990	0.95	1214.4	**F63G22B DL71G4**		84
1.3	2690	1.05	1094.0	**F63G22C DL71G4**		90
1.4	2350	1.20	958.03			
1.6	2110	1.35	859.35			
1.8	1920	1.45	781.01			
2.0	1690	1.65	688.59			
2.3	1500	1.85	609.86			
2.4	1390	2.0	563.82			
2.7	1250	2.2	507.91			
3.0	1120	2.5	455.13			
3.4	1000	2.8	407.58			
3.8	900	3.1	366.82			
4.3	785	3.6	320.02			
4.8	705	3.6	286.71			
5.4	625	3.6	254.33			
1.8	1910	0.85	776.06	**F53G22A DL71G4**	91/94	59
2.0	1710	0.95	696.12	**F53G22B DL71G4**		59
2.2	1560	1.00	632.66	**F53G22C DL71G4**		63
2.5	1370	1.15	557.80			
2.8	1210	1.30	494.02			
3.1	1100	1.45	445.85			
3.4	1010	1.55	410.38			
3.8	900	1.75	366.79			
4.2	800	2.00	325.70			
4.8	710	2.2	288.62			
5.5	620	2.6	252.64			
6.1	560	2.8	228.00			
6.6	515	3.1	209.86			
6.7	525	3.0	205.64	**F53A DL71G4**	91	53
7.6	470	3.4	182.73	**F53B DL71G4**		53
				F53C DL71G4		57

n2 [1/min]	T2 [Nm]	cG	i	Typ	Wymiary Strona	~kg
0.37 kW						
3.2	1050	0.85	426.68	**F43G12A DL71G4**	90/94	37
3.6	950	0.95	386.00	**F43G12B DL71G4**		37
3.9	865	1.00	351.84	**F43G12C DL71G4**		39
4.4	770	1.15	313.88			
4.9	690	1.30	281.55			
5.4	630	1.40	255.44			
6.1	555	1.60	226.36			
6.9	490	1.80	199.24			
5.9	600	1.45	235.25	**F43A DL71G4**	90	32
6.8	520	1.70	203.29	**F43B DL71G4**		32
7.7	455	1.95	178.07	**F43C DL71G4**		34
8.8	405	2.2	157.64			
9.8	360	2.4	140.77			
11	325	2.7	126.60			
12	295	3.0	114.53			
13	265	3.3	104.39			
5.8	590	0.80	239.17	**F33G12A DL71G4**	89/94	26
6.5	520	0.90	211.83	**F33G12B DL71G4**		26
				F33G12C DL71G4		28
7.3	485	0.95	190.26	**F33A DL71G4**	89	21
8.4	420	1.15	163.34	**F33B DL71G4**		21
9.7	365	1.30	142.09	**F33C DL71G4**		23
11	320	1.45	124.88			
12	285	1.65	110.67			
14	255	1.85	98.73			
16	225	2.1	88.56			
17	205	2.3	80.49			
19	182	2.6	70.96			
22	161	2.9	62.85			
28	126	3.7	49.17			
31	112	4.2	43.87			
35	101	4.7	39.35			
39	92	5.1	35.76			
44	81	5.8	31.53			
49	72	6.6	27.93			
50	71	6.7	27.55	**F32A DL71G4**	89	21
56	63	7.5	24.60	**F32B DL71G4**		21
62	57	8.3	22.12	**F32C DL71G4**		23
69	51	9.2	20.01			
76	47	10	18.24			
85	42	11	16.27			
95	37	12	14.60			
162	22	16	8.50			
182	19	18	7.58			
203	17	19	6.80			

n2 [1/min]	T2 [Nm]	cG	i	Typ	Wymiary Strona	~kg
0.55 kW						
0.86	5870	0.85	1640.3	**F73G32A DL80K4**	93/94	141
0.95	5320	0.90	1488.1	**F73G32B DL80K4**		141
1.1	4610	1.05	1289.1	**F73G32C DL80K4**		149
1.2	4170	1.15	1166.4			
1.3	3790	1.30	1058.9			
1.5	3380	1.45	944.12			
1.8	2820	1.75	789.28			
2.0	2560	1.90	716.05			
2.3	2220	2.2	620.27			
2.5	2010	2.4	561.22			
2.8	1820	2.7	509.49			
3.1	1620	3.0	454.28			
3.7	1380	3.5	385.26			
1.5	3430	0.80	958.03	**F63G22A DL80K4**	92/94	86
1.6	3070	0.90	859.35	**F63G22B DL80K4**		86
1.8	2790	1.00	781.01	**F63G22C DL80K4**		92
2.0	2460	1.15	688.59			
2.3	2180	1.30	609.86			
2.5	2020	1.40	563.82			
2.8	1820	1.55	507.91			
3.1	1630	1.70	455.13			
3.5	1460	1.90	407.58			
3.8	1310	2.1	366.82			
4.4	1140	2.4	320.02			
4.9	1030	2.5	286.71			
5.5	910	2.5	254.33			
5.8	905	3.1	242.53	**F63A DL80K4**	92	81
6.5	815	3.4	218.27	**F63B DL80K4**		81
7.1	735	3.8	197.90	**F63C DL80K4**		87
2.5	1990	0.80	557.80	**F53G22A DL80K4**	91/94	62
2.9	1770	0.90	494.02	**F53G22B DL80K4**		62
3.2	1590	1.00	445.85	**F53G22C DL80K4**		65
3.4	1470	1.10	410.38			
3.8	1310	1.20	366.79			
4.3	1160	1.35	325.70			
4.9	1030	1.55	288.62			
5.6	905	1.75	252.64			
6.2	815	1.95	228.00			
6.7	750	2.1	209.86			
6.9	765	2.1	205.64	**F53A DL80K4**	91	56
7.7	680	2.3	182.73	**F53B DL80K4**		56
8.6	610	2.6	163.81	**F53C DL80K4**		60
9.5	550	2.9	147.91			
10	500	3.2	134.37			
11	460	3.5	122.86			
4.5	1120	0.80	313.88	**F43G12A DL80K4**	90/94	40
5.0	1010	0.90	281.55	**F43G12B DL80K4**		40
5.5	915	0.95	255.44	**F43G12C DL80K4**		42
6.2	810	1.10	226.36			
7.1	715	1.25	199.24			
7.9	665	1.35	178.07	**F43A DL80K4**	90	35
8.9	585	1.50	157.64	**F43B DL80K4**		35
10	525	1.70	140.77	**F43C DL80K4**		37
11	470	1.85	126.60			
12	425	2.1	114.53			
14	390	2.3	104.39			
15	345	2.5	93.13			
17	310	2.8	83.54			

Motoreduktory Walcowe z Wałem Drążonym F

n2	T2	cG	i	Typ	Wymiary	~kg
[1/min]	[Nm]				Strona	
0.55 kW						
9.9	530	0.90	142.09	**F33A DL80K4**	89	23
11	465	1.00	124.88	**F33B DL80K4**		23
13	410	1.15	110.67	**F33C DL80K4**		25
14	370	1.30	98.73			
16	330	1.45	88.56			
18	300	1.55	80.49			
20	265	1.80	70.96			
22	235	2.0	62.85			
29	183	2.6	49.17			
32	163	2.9	43.87			
36	147	3.2	39.35			
39	133	3.5	35.76			
45	117	4.0	31.53			
50	104	4.5	27.93			
51	103	4.6	27.55	**F32A DL80K4**	89	23
57	92	5.1	24.60	**F32B DL80K4**		23
64	82	5.7	22.12	**F32C DL80K4**		25
70	75	6.3	20.01			
77	68	6.9	18.24			
87	61	7.8	16.27			
97	54	8.4	14.60			
166	32	11	8.50			
186	28	12	7.58			
207	25	13	6.80			
0.75 kW						
1.2	5730	0.85	1166.4	**F73G32A DL80G4**	93/94	142
1.3	5200	0.95	1058.9	**F73G32B DL80G4**		142
1.5	4640	1.05	944.12	**F73G32C DL80G4**		151
1.8	3880	1.25	789.28			
2.0	3520	1.40	716.05			
2.3	3050	1.60	620.27			
2.5	2760	1.75	561.22			
2.7	2500	1.95	509.49			
3.1	2230	2.2	454.28			
3.6	1890	2.6	385.26			
2.0	3380	0.85	688.59	**F63G22A DL80G4**	92/94	87
2.3	3000	0.95	609.86	**F63G22B DL80G4**		87
2.5	2770	1.00	563.82	**F63G22C DL80G4**		93
2.8	2490	1.10	507.91			
3.1	2240	1.25	455.13			
3.4	2000	1.40	407.58			
3.8	1800	1.55	366.82			
4.4	1570	1.80	320.02			
4.9	1410	1.80	286.71			
5.5	1250	1.80	254.33			
5.8	1240	2.3	242.53	**F63A DL80G4**	92	83
6.4	1120	2.5	218.27	**F63B DL80G4**		83
7.1	1010	2.8	197.90	**F63C DL80G4**		89
7.8	925	3.0	180.55			
8.4	850	3.3	166.08			
9.3	765	3.7	149.88			

n2	T2	cG	i	Typ	Wymiary	~kg
[1/min]	[Nm]				Strona	
0.75 kW						
3.4	2020	0.80	410.38	**F53G22A DL80G4**	91/94	63
3.8	1800	0.90	366.79	**F53G22B DL80G4**		63
4.3	1600	1.00	325.70	**F53G22C DL80G4**		67
4.9	1420	1.10	288.62			
5.5	1240	1.30	252.64			
6.1	1120	1.40	228.00			
6.7	1030	1.55	209.86			
6.8	1050	1.50	205.64	**F53A DL80G4**	91	57
7.7	935	1.70	182.73	**F53B DL80G4**		57
8.5	840	1.90	163.81	**F53C DL80G4**		61
9.5	755	2.1	147.91			
10	685	2.3	134.37			
11	630	2.5	122.86			
13	565	2.8	110.24			
14	510	3.1	99.49			
6.2	1110	0.80	226.36	**F43G12A DL80G4**	90/94	41
7.0	980	0.90	199.24	**F43G12B DL80G4**		41
				F43G12C DL80G4		43
7.9	910	0.95	178.07	**F43A DL80G4**	90	36
8.9	805	1.10	157.64	**F43B DL80G4**		36
9.9	720	1.25	140.77	**F43C DL80G4**		38
11	650	1.35	126.60			
12	585	1.50	114.53			
13	535	1.65	104.39			
15	475	1.85	93.13			
17	425	2.1	83.54			
13	565	0.85	110.67	**F33A DL80G4**	89	25
14	505	0.95	98.73	**F33B DL80G4**		25
16	455	1.05	88.56	**F33C DL80G4**		27
17	410	1.15	80.49			
20	365	1.30	70.96			
22	320	1.45	62.85			
28	250	1.85	49.17			
32	225	2.1	43.87			
36	200	2.3	39.35			
39	183	2.6	35.76			
44	161	2.9	31.53			
50	143	3.3	27.93			
51	141	3.3	27.55	**F32A DL80G4**	89	25
57	126	3.7	24.60	**F32B DL80G4**		25
63	113	4.2	22.12	**F32C DL80G4**		27
70	102	4.6	20.01			
77	93	5.0	18.24			
86	83	5.7	16.27			
96	75	6.1	14.60			
165	43	8.2	8.50			
185	39	8.8	7.58			
206	35	9.5	6.80			

n2 [1/min]	T2 [Nm]	cG	i	Typ	Wymiary Strona	~kg
1.1 kW						
1.8	5670	0.85	798.88	**F73G32A DL90S4**	93/94	146
1.8	5610	0.85	789.28	**F73G32B DL90S4**		146
2.0	5090	0.95	716.08	**F73G32C DL90S4**		154
2.0	5090	0.95	716.05			
2.2	4510	1.10	634.55			
2.3	4410	1.10	620.27			
2.5	3990	1.20	561.22			
2.5	3970	1.25	558.54			
2.8	3620	1.35	509.49			
2.9	3470	1.40	489.14			
3.1	3230	1.50	454.28			
3.2	3150	1.55	443.76			
3.7	2740	1.80	385.26			
3.7	2730	1.80	384.40			
4.1	2470	1.95	347.80			
4.5	2240	2.2	315.75			
5.0	2000	2.4	281.53			
5.9	1700	2.9	238.76			
5.2	2030	2.4	274.23	**F73A DL90S4**	93	138
5.7	1850	2.6	249.41	**F73B DL90S4**		138
6.2	1690	2.9	228.27	**F73C DL90S4**		146
6.7	1570	3.1	211.55			
7.4	1420	3.4	191.74			
8.1	1290	3.8	174.87			
2.8	3610	0.80	507.91	**F63G22A DL90S4**	92/94	91
3.0	3370	0.85	474.99	**F63G22B DL90S4**		91
3.1	3230	0.85	455.13	**F63G22C DL90S4**		97
3.2	3120	0.90	439.13			
3.5	2890	0.95	407.58			
3.6	2810	1.00	395.58			
3.9	2610	1.10	366.82			
4.0	2520	1.10	354.48			
4.4	2270	1.25	320.02			
4.5	2250	1.25	317.44			
5.0	2040	1.25	286.71			
5.0	2030	1.40	285.70			
5.6	1810	1.25	254.33			
5.9	1790	1.55	242.53	**F63A DL90S4**	92	86
6.5	1610	1.75	218.27	**F63B DL90S4**		86
7.2	1460	1.90	197.90	**F63C DL90S4**		92
7.9	1340	2.1	180.55			
8.6	1230	2.3	166.08			
9.5	1110	2.5	149.88			
10	1010	2.8	136.08			
11	930	3.0	125.81			
13	840	3.3	113.33			
14	750	3.7	101.56			
5.0	2030	0.80	285.67	**F53G22A DL90S4**	91/94	66
5.6	1800	0.90	253.67	**F53G22B DL90S4**		66
5.6	1790	0.90	252.64	**F53G22C DL90S4**		70
6.2	1620	1.00	228.00			
6.3	1600	1.00	224.79			
6.8	1490	1.05	209.86			
7.2	1400	1.15	196.76			

n2 [1/min]	T2 [Nm]	cG	i	Typ	Wymiary Strona	~kg
1.1 kW						
7.8	1350	1.15	182.73	**F53A DL90S4**	91	61
8.7	1210	1.30	163.81	**F53B DL90S4**		61
9.6	1090	1.45	147.91	**F53C DL90S4**		64
11	995	1.60	134.37			
12	910	1.75	122.86			
13	815	1.95	110.24			
14	735	2.2	99.49			
16	675	2.3	91.57			
17	605	2.6	81.85			
20	540	2.9	72.68			
22	475	3.3	64.40			
10	1040	0.85	140.77	**F43A DL90S4**	90	39
11	935	0.95	126.60	**F43B DL90S4**		39
12	845	1.05	114.53	**F43C DL90S4**		41
14	770	1.15	104.39			
15	690	1.30	93.13			
17	620	1.45	83.54			
19	560	1.55	75.79			
21	495	1.80	67.16			
24	435	2.0	59.12			
27	385	2.3	51.77			
30	345	2.5	46.92			
34	310	2.8	42.08			
37	280	3.1	38.18			
42	250	3.5	33.83			
18	595	0.80	80.49	**F33A DL90S4**	89	28
20	525	0.90	70.96	**F33B DL90S4**		28
23	465	1.00	62.85	**F33C DL90S4**		30
25	415	1.15	56.24			
29	365	1.30	49.17			
32	325	1.45	43.87			
36	290	1.60	39.35			
40	265	1.80	35.76			
45	235	2.0	31.53			
51	205	2.3	27.93			
57	185	2.5	24.99			
65	161	2.9	21.75			
52	205	2.3	27.55	**F32A DL90S4**	89	28
58	182	2.6	24.60	**F32B DL90S4**		28
64	164	2.9	22.12	**F32C DL90S4**		30
71	148	3.2	20.01			
78	135	3.5	18.24			
87	120	3.9	16.27			
97	108	4.2	14.60			
107	98	4.5	13.24			
121	87	5.0	11.74			
137	76	5.4	10.33			
157	67	6.0	9.05			
167	63	5.7	8.50			
187	56	6.1	7.58			
209	50	6.6	6.80			
230	46	8.3	6.17			
260	40	8.9	5.47			
295	36	9.4	4.81			
337	31	9.9	4.21			

Motoreduktory Walcowe z Wałem Drążonym F

n2	T2	cG	i	Typ	Wymiary	~kg
[1/min]	[Nm]				Strona	
1.5 kW						
2.2	6210	0.80	634.55	**F73G32A DL90L4**	93/94	147
2.3	6070	0.80	620.27	**F73G32B DL90L4**		147
2.5	5490	0.90	561.22	**F73G32C DL90L4**		155
2.5	5470	0.90	558.54			
2.8	4990	1.00	509.49			
2.9	4790	1.00	489.14			
3.1	4450	1.10	454.28			
3.2	4340	1.10	443.76			
3.6	3770	1.30	385.26			
3.7	3760	1.30	384.40			
4.0	3400	1.45	347.80			
4.4	3090	1.60	315.75			
5.0	2760	1.75	281.53			
5.9	2340	2.1	238.76			
5.1	2800	1.75	274.23	**F73A DL90L4**	93	139
5.6	2540	1.90	249.41	**F73B DL90L4**		139
6.2	2330	2.1	228.27	**F73C DL90L4**		148
6.6	2160	2.3	211.55			
7.3	1950	2.5	191.74			
8.0	1780	2.7	174.87			
8.7	1650	2.9	162.19			
9.6	1500	3.3	146.94			
11	1360	3.6	133.66			
3.8	3590	0.80	366.82	**F63G22A DL90L4**	92/94	92
4.0	3470	0.80	354.48	**F63G22B DL90L4**		92
4.4	3130	0.90	320.02	**F63G22C DL90L4**		98
4.4	3110	0.90	317.44			
4.9	2810	0.90	286.71			
4.9	2800	1.00	285.70			
5.5	2490	0.90	254.33			
5.8	2470	1.15	242.53	**F63A DL90L4**	92	87
6.4	2230	1.25	218.27	**F63B DL90L4**		87
7.1	2020	1.40	197.90	**F63C DL90L4**		93
7.8	1840	1.50	180.55			
8.5	1690	1.65	166.08			
9.4	1530	1.85	149.88			
10	1390	2.0	136.08			
11	1280	2.2	125.81			
12	1160	2.4	113.33			
14	1040	2.7	101.56			
15	925	3.0	90.95			
7.1	1930	0.80	196.76	**F53G22A DL90L4**	91/94	68
				F53G22B DL90L4		68
				F53G22C DL90L4		71

n2	T2	cG	i	Typ	Wymiary	~kg
[1/min]	[Nm]				Strona	
1.5 kW						
7.7	1860	0.85	182.73	**F53A DL90L4**	91	62
8.6	1670	0.95	163.81	**F53B DL90L4**		62
9.5	1510	1.05	147.91	**F53C DL90L4**		66
10	1370	1.15	134.37			
11	1250	1.25	122.86			
13	1120	1.40	110.24			
14	1010	1.55	99.49			
15	935	1.70	91.57			
17	835	1.90	81.85			
19	740	2.1	72.68			
22	655	2.4	64.40			
25	575	2.8	56.37			
28	520	3.1	50.88			
30	475	3.3	46.83			
34	425	3.7	41.85			
13	1060	0.85	104.39	**F43A DL90L4**	90	41
15	950	0.95	93.13	**F43B DL90L4**		41
17	850	1.05	83.54	**F43C DL90L4**		43
19	775	1.15	75.79			
21	685	1.30	67.16			
24	605	1.45	59.12			
27	530	1.65	51.77			
30	480	1.85	46.92			
33	430	2.1	42.08			
37	390	2.3	38.18			
42	345	2.6	33.83			
47	305	2.9	29.78			
54	265	3.2	26.08			
47	305	2.9	30.05	**F42A DL90L4**	90	41
52	275	3.2	27.14	**F42B DL90L4**		41
57	250	3.5	24.65	**F42C DL90L4**		43
25	575	0.80	56.24	**F33A DL90L4**	89	29
29	500	0.95	49.17	**F33B DL90L4**		29
32	445	1.05	43.87	**F33C DL90L4**		31
36	400	1.15	39.35			
39	365	1.30	35.76			
45	320	1.45	31.53			
50	285	1.65	27.93			
56	255	1.85	24.99			
65	220	2.1	21.75			
51	280	1.70	27.55	**F32A DL90L4**	89	29
57	250	1.90	24.60	**F32B DL90L4**		29
64	225	2.1	22.12	**F32C DL90L4**		31
70	205	2.3	20.01			
77	186	2.5	18.24			
86	166	2.8	16.27			
96	149	3.1	14.60			
106	135	3.3	13.24			
120	120	3.6	11.74			
136	105	3.9	10.33			
155	92	4.3	9.05			
165	87	4.1	8.50			
185	77	4.4	7.58			
207	69	4.8	6.80			
228	63	6.0	6.17			
257	56	6.5	5.47			
292	49	6.8	4.81			
333	43	7.2	4.21			

n2 [1/min]	T2 [Nm]	cG	i	Typ	Wymiary Strona	~kg
2.2 kW						
3.7	5490	0.90	385.26	**F73G32A DL100L4**	93/94	154
3.7	5480	0.90	384.40	**F73G32B DL100L4**		154
4.1	4960	1.00	347.80	**F73G32C DL100L4**		162
4.5	4500	1.10	315.75			
5.0	4010	1.20	281.53			
5.9	3400	1.45	238.76			
5.2	4070	1.20	274.23	**F73A DL100L4**	93	145
5.7	3700	1.30	249.41	**F73B DL100L4**		145
6.2	3390	1.45	228.27	**F73C DL100L4**		153
6.7	3140	1.55	211.55			
7.4	2850	1.70	191.74			
8.1	2600	1.90	174.87			
8.7	2410	2.0	162.19			
9.6	2180	2.2	146.94			
11	1980	2.5	133.66			
12	1790	2.7	120.60			
13	1620	3.0	109.41			
6.5	3240	0.85	218.27	**F63A DL100L4**	92	93
7.2	2940	0.95	197.90	**F63B DL100L4**		93
7.8	2680	1.05	180.55	**F63C DL100L4**		99
8.5	2470	1.15	166.08			
9.4	2230	1.25	149.88			
10	2020	1.40	136.08			
11	1870	1.50	125.81			
12	1680	1.65	113.33			
14	1510	1.85	101.56			
16	1350	2.1	90.95			
17	1220	2.3	81.85			
29	730	3.8	49.31			
11	2000	0.80	134.37	**F53A DL100L4**	91	68
12	1820	0.85	122.86	**F53B DL100L4**		68
13	1640	0.95	110.24	**F53C DL100L4**		71
14	1480	1.05	99.49			
15	1360	1.15	91.57			
17	1220	1.30	81.85			
19	1080	1.45	72.68			
22	955	1.65	64.40			
25	835	1.90	56.37			
28	755	2.1	50.88			
30	695	2.3	46.83			
34	620	2.5	41.85			
38	550	2.9	37.17			
43	490	3.2	32.93			
48	435	3.6	29.31			
41	510	2.9	34.34	**F52A DL100L4**	91	68
45	465	3.1	31.33	**F52B DL100L4**		68
49	430	3.7	28.82	**F52C DL100L4**		71
19	1130	0.80	75.79	**F43A DL100L4**	90	47
21	995	0.90	67.16	**F43B DL100L4**		47
24	880	1.00	59.12	**F43C DL100L4**		49
27	770	1.15	51.77			
30	695	1.25	46.92			
34	625	1.40	42.08			
37	565	1.55	38.18			
42	500	1.75	33.83			
48	440	2.00	29.78			
54	385	2.2	26.08			
62	340	2.3	22.91			

n2 [1/min]	T2 [Nm]	cG	i	Typ	Wymiary Strona	~kg
2.2 kW						
47	445	2.00	30.05	**F42A DL100L4**	90	47
52	405	2.2	27.14	**F42B DL100L4**		47
57	365	2.4	24.65	**F42C DL100L4**		49
63	335	2.6	22.54			
70	300	2.9	20.22			
78	270	3.3	18.25			
84	250	3.5	16.80			
94	225	4.0	15.02			
36	585	0.80	39.35	**F33A DL100L4**	89	36
40	530	0.90	35.76	**F33B DL100L4**		36
45	470	1.00	31.53	**F33C DL100L4**		38
51	415	1.15	27.93			
57	370	1.25	24.99			
65	325	1.45	21.75			
58	365	1.30	24.60	**F32A DL100L4**	89	36
64	330	1.45	22.12	**F32B DL100L4**		36
71	295	1.60	20.01	**F32C DL100L4**		38
78	270	1.75	18.24			
87	240	1.95	16.27			
97	215	2.1	14.60			
107	197	2.3	13.24			
121	174	2.5	11.74			
137	153	2.7	10.33			
156	134	3.0	9.05			
167	126	2.8	8.50			
178	118	3.3	7.95			
187	113	3.0	7.58			
208	101	3.3	6.80			
229	92	4.1	6.17			
259	81	4.4	5.47			
294	71	4.7	4.81			
336	63	5.0	4.21			
382	55	5.3	3.70			
3.0 kW						
4.5	6070	0.80	315.75	**F73G32A DL100LX4**	93/94	157
5.1	5410	0.90	281.53	**F73G32B DL100LX4**		157
6.0	4590	1.05	238.76	**F73G32C DL100LX4**		165
5.2	5490	0.90	274.23	**F73A DL100LX4**	93	148
5.7	5000	1.00	249.41	**F73B DL100LX4**		148
6.3	4570	1.05	228.27	**F73C DL100LX4**		156
6.8	4240	1.15	211.55			
7.5	3840	1.25	191.74			
8.2	3500	1.40	174.87			
8.8	3250	1.50	162.19			
9.7	2940	1.65	146.94			
11	2680	1.80	133.66			
12	2420	2.0	120.60			
13	2190	2.2	109.41			

n2 [1/min]	T2 [Nm]	cG	i	Typ	Wymiary Strona	~kg
3.0 kW						
8.6	3330	0.85	166.08	**F63A DL100LX4**	92	96
9.5	3000	0.95	149.88	**F63B DL100LX4**		96
11	2730	1.05	136.08	**F63C DL100LX4**		102
11	2520	1.10	125.81			
13	2270	1.25	113.33			
14	2030	1.40	101.56			
16	1820	1.55	90.95			
17	1640	1.70	81.85			
29	990	2.8	49.31			
32	885	3.2	44.16			
36	795	3.5	39.74			
42	680	3.7	34.05	**F62A DL100LX4**	92	96
46	620	4.0	31.05	**F62B DL100LX4**		96
				F62C DL100LX4		102
14	1990	0.80	99.49	**F53A DL100LX4**	91	71
16	1830	0.85	91.57	**F53B DL100LX4**		71
17	1640	0.95	81.85	**F53C DL100LX4**		74
20	1460	1.10	72.68			
22	1290	1.25	64.40			
25	1130	1.40	56.37			
28	1020	1.55	50.88			
31	940	1.70	46.83			
34	840	1.90	41.85			
38	745	2.1	37.17			
43	660	2.4	32.93			
49	585	2.7	29.31			
42	690	2.1	34.34	**F52A DL100LX4**	91	71
46	630	2.3	31.33	**F52B DL100LX4**		71
50	575	2.7	28.82	**F52C DL100LX4**		74
55	520	3.0	26.01			
61	475	3.3	23.61			
66	435	3.6	21.83			
73	395	4.0	19.67			
28	1040	0.85	51.77	**F43A DL100LX4**	90	51
30	940	0.95	46.92	**F43B DL100LX4**		51
34	845	1.05	42.08	**F43C DL100LX4**		53
37	765	1.15	38.18			
42	680	1.30	33.83			
48	595	1.50	29.78			
55	525	1.65	26.08			
62	460	1.70	22.91			
48	600	1.45	30.05	**F42A DL100LX4**	90	51
53	545	1.60	27.14	**F42B DL100LX4**		51
58	495	1.80	24.65	**F42C DL100LX4**		53
63	450	1.95	22.54			
71	405	2.2	20.22			
78	365	2.4	18.25			
85	335	2.6	16.80			
95	300	2.9	15.02			
107	265	3.3	13.33			
121	235	3.7	11.82			
51	560	0.85	27.93	**F33A DL100LX4**	89	39
57	500	0.95	24.99	**F33B DL100LX4**		39
66	435	1.05	21.75	**F33C DL100LX4**		41

n2 [1/min]	T2 [Nm]	cG	i	Typ	Wymiary Strona	~kg
3.0 kW						
58	495	0.95	24.60	**F32A DL100LX4**	89	39
65	445	1.05	22.12	**F32B DL100LX4**		39
71	400	1.15	20.01	**F32C DL100LX4**		41
78	365	1.30	18.24			
88	325	1.45	16.27			
98	290	1.55	14.60			
108	265	1.70	13.24			
122	235	1.85	11.74			
138	205	2.0	10.33			
158	181	2.2	9.05			
168	170	2.1	8.50			
180	159	2.4	7.95			
189	152	2.2	7.58			
210	136	2.4	6.80			
232	124	3.1	6.17			
262	110	3.3	5.47			
297	96	3.5	4.81			
339	84	3.7	4.21			
386	74	3.9	3.70			
4.0 kW						
6.0	6100	0.80	238.76	**F73G32A DL112M4**	93/94	170
				F73G32B DL112M4		170
				F73G32C DL112M4		178
6.3	6080	0.80	228.27	**F73A DL112M4**	93	161
6.8	5630	0.85	211.55	**F73B DL112M4**		161
7.5	5100	0.95	191.74	**F73C DL112M4**		169
8.2	4660	1.05	174.87			
8.8	4320	1.15	162.19			
9.8	3910	1.25	146.94			
11	3560	1.35	133.66			
12	3210	1.50	120.60			
13	2910	1.65	109.41			
28	1380	3.5	51.81			
11	3350	0.85	125.81	**F63A DL112M4**	92	110
13	3020	0.95	113.33	**F63B DL112M4**		110
14	2700	1.05	101.56	**F63C DL112M4**		116
16	2420	1.15	90.95			
18	2180	1.30	81.85			
29	1310	2.1	49.31			
32	1180	2.4	44.16			
36	1060	2.6	39.74			
42	905	2.8	34.05	**F62A DL112M4**	92	110
46	825	3.0	31.05	**F62B DL112M4**		110
50	765	3.7	28.80	**F62C DL112M4**		116
55	695	4.0	26.09			
20	1930	0.80	72.68	**F53A DL112M4**	91	84
22	1710	0.90	64.40	**F53B DL112M4**		84
25	1500	1.05	56.37	**F53C DL112M4**		87
28	1350	1.15	50.88			
31	1250	1.25	46.83			
34	1110	1.40	41.85			
39	990	1.60	37.17			
44	875	1.80	32.93			
49	780	2.0	29.31			

Motoreduktory Walcowe z Wałem Drążonym F

n2 [1/min]	T2 [Nm]	cG	i	Typ	Wymiary Strona	~kg
4.0 kW						
42	915	1.60	34.34	**F52A DL112M4**	91	84
46	835	1.75	31.33	**F52B DL112M4**		84
50	765	2.1	28.82	**F52C DL112M4**		87
55	690	2.3	26.01			
61	630	2.5	23.61			
66	580	2.7	21.83			
73	525	3.0	19.67			
81	470	3.4	17.62			
91	420	3.8	15.78			
34	1120	0.80	42.08	**F43A DL112M4**	90	64
38	1020	0.85	38.18	**F43B DL112M4**		64
42	900	1.00	33.83	**F43C DL112M4**		66
48	795	1.10	29.78			
55	695	1.20	26.08			
63	610	1.30	22.91			
53	720	1.20	27.14	**F42A DL112M4**	90	64
58	655	1.35	24.65	**F42B DL112M4**		64
64	600	1.45	22.54	**F42C DL112M4**		66
71	540	1.65	20.22			
79	485	1.80	18.25			
85	445	1.95	16.80			
96	400	2.2	15.02			
108	355	2.5	13.33			
121	315	2.8	11.82			
136	280	3.2	10.51			
195	196	2.3	7.36			
212	180	3.2	6.77			
237	161	3.4	6.05			
66	580	0.80	21.75	**F33A DL112M4**	89	52
				F33B DL112M4		52
				F33C DL112M4		54
65	590	0.80	22.12	**F32A DL112M4**	89	52
72	535	0.90	20.01	**F32B DL112M4**		52
79	485	0.95	18.24	**F32C DL112M4**		54
88	435	1.10	16.27			
98	390	1.15	14.60			
108	355	1.25	13.24			
122	310	1.40	11.74			
139	275	1.50	10.33			
159	240	1.65	9.05			
169	225	1.60	8.50			
181	210	1.85	7.95			
189	200	1.70	7.58			
211	181	1.85	6.80			
233	164	2.3	6.17			
262	146	2.5	5.47			
298	128	2.6	4.81			
340	112	2.8	4.21			
388	99	2.9	3.70			

n2 [1/min]	T2 [Nm]	cG	i	Typ	Wymiary Strona	~kg
5.5 kW						
8.9	5880	0.85	162.19	**F73A DA132S4**	93	169
9.9	5320	0.90	146.94	**F73B DA132S4**		169
11	4840	1.00	133.66	**F73C DA132S4**		177
12	4370	1.10	120.60			
13	3960	1.25	109.41			
15	3430	1.40	94.78			
17	3110	1.55	85.76			
19	2820	1.75	77.85			
21	2510	1.95	69.41			
25	2130	2.3	58.87			
28	1880	2.6	51.81			
32	1630	3.0	44.88			
36	1470	3.3	40.61			
39	1340	3.7	36.86			
16	3290	0.85	90.95	**F63A DA132S4**	92	117
18	2970	0.95	81.85	**F63B DA132S4**		117
20	2590	1.10	71.41	**F63C DA132S4**		123
23	2320	1.20	63.98			
26	2060	1.35	56.75			
29	1790	1.55	49.31			
33	1600	1.75	44.16			
36	1440	1.95	39.74			
42	1260	2.2	34.67			
47	1130	2.5	31.06			
53	1000	2.6	27.56			
60	875	2.7	24.21			
43	1230	2.1	34.05	**F62A DA132S4**	92	117
47	1120	2.2	31.05	**F62B DA132S4**		117
50	1040	2.7	28.80	**F62C DA132S4**		123
56	945	3.0	26.09			
61	860	3.3	23.73			
68	775	3.6	21.42			
75	705	3.9	19.43			
26	2040	0.80	56.37	**F53A DA132S4**	91	92
29	1840	0.85	50.88	**F53B DA132S4**		92
31	1700	0.95	46.83	**F53C DA132S4**		95
35	1520	1.05	41.85			
39	1350	1.20	37.17			
44	1190	1.35	32.93			
49	1060	1.50	29.31			
58	910	1.75	25.11			
65	800	1.85	22.15			
56	940	1.70	26.01	**F52A DA132S4**	91	92
61	855	1.85	23.61	**F52B DA132S4**		92
66	790	2.0	21.83	**F52C DA132S4**		95
74	710	2.2	19.67			
82	640	2.5	17.62			
92	570	2.8	15.78			
102	515	3.1	14.20			
117	450	3.5	12.39			
131	400	3.8	11.10			
49	1080	0.80	29.78	**F43A DA132S4**	90	71
56	945	0.90	26.08	**F43B DA132S4**		71
63	830	0.95	22.91	**F43C DA132S4**		73

Motoreduktory Walcowe z Wałem Drążonym F

n2	T2	cG	i	Typ	Wymiary	~kg
[1/min]	[Nm]				Strona	
5.5 kW						
72	735	1.20	20.22	**F42A DA132S4**	90	71
79	660	1.35	18.25	**F42B DA132S4**		71
86	610	1.45	16.80	**F42C DA132S4**		73
97	545	1.60	15.02			
109	485	1.85	13.33			
123	430	2.1	11.82			
138	380	2.3	10.51			
161	325	2.7	9.01			
183	290	3.1	7.94			
197	265	1.65	7.36			
214	245	2.3	6.77			
239	220	2.5	6.05			
270	195	3.2	5.38			
304	173	3.3	4.76			
342	154	3.7	4.24			
399	132	4.5	3.63			
453	116	4.8	3.20			
7.5 kW						
12	5960	0.80	120.60	**F73A DA132M4**	93	173
13	5400	0.90	109.41	**F73B DA132M4**		173
15	4680	1.05	94.78	**F73C DA132M4**		182
17	4240	1.15	85.76			
19	3850	1.25	77.85			
21	3430	1.40	69.41			
25	2910	1.70	58.87			
28	2560	1.90	51.81			
32	2220	2.2	44.88			
36	2010	2.4	40.61			
39	1820	2.7	36.86			
44	1620	3.0	32.87			
52	1380	3.3	27.88			
51	1410	3.1	28.53	**F72A DA132M4**	93	173
56	1280	3.4	25.85	**F72B DA132M4**		173
62	1160	3.6	23.54	**F72C DA132M4**		182
20	3530	0.80	71.41	**F63A DA132M4**	92	121
23	3160	0.90	63.98	**F63B DA132M4**		121
26	2800	1.00	56.75	**F63C DA132M4**		127
29	2440	1.15	49.31			
33	2180	1.30	44.16			
36	1960	1.45	39.74			
42	1710	1.65	34.67			
47	1530	1.80	31.06			
53	1360	1.90	27.56			
60	1200	2.00	24.21			
43	1680	1.50	34.05	**F62A DA132M4**	92	121
47	1530	1.65	31.05	**F62B DA132M4**		121
50	1420	1.95	28.80	**F62C DA132M4**		127
56	1290	2.2	26.09			
61	1170	2.4	23.73			
68	1060	2.6	21.42			
75	960	2.9	19.43			
86	830	3.2	16.83			
95	750	3.4	15.23			
105	685	3.7	13.82			
118	610	4.0	12.33			

n2	T2	cG	i	Typ	Wymiary	~kg
[1/min]	[Nm]				Strona	
7.5 kW						
39	1840	0.85	37.17	**F53A DA132M4**	91	96
44	1630	0.95	32.93	**F53B DA132M4**		96
49	1450	1.10	29.31	**F53C DA132M4**		99
58	1240	1.30	25.11			
65	1090	1.35	22.15			
56	1280	1.25	26.01	**F52A DA132M4**	91	96
61	1170	1.35	23.61	**F52B DA132M4**		96
66	1080	1.45	21.83	**F52C DA132M4**		99
74	970	1.65	19.67			
82	870	1.80	17.62			
92	780	2.0	15.78			
102	700	2.3	14.20			
117	610	2.6	12.39			
131	550	2.8	11.10			
147	485	3.0	9.85			
168	425	3.3	8.65			
187	385	2.8	7.74			
209	345	3.0	6.94			
232	310	3.2	6.24			
72	1000	0.90	20.22	**F42A DA132M4**	90	75
79	900	1.00	18.25	**F42B DA132M4**		75
86	830	1.05	16.80	**F42C DA132M4**		77
97	740	1.20	15.02			
109	660	1.35	13.33			
123	585	1.50	11.82			
138	520	1.70	10.51			
161	445	2.00	9.01			
183	390	2.2	7.94			
197	365	1.20	7.36			
214	335	1.70	6.77			
239	300	1.85	6.05			
270	265	2.3	5.38			
304	235	2.4	4.76			
342	210	2.7	4.24			
399	179	3.3	3.63			
453	158	3.5	3.20			
9.2 kW						
16	5660	0.85	94.78	**F73A DA160MS4**	93	194
17	5130	0.95	85.76	**F73B DA160MS4**		194
19	4650	1.05	77.85	**F73C DA160MS4**		202
21	4150	1.20	69.41			
25	3520	1.40	58.87			
28	3100	1.55	51.81			
33	2680	1.80	44.88			
36	2430	2.0	40.61			
40	2200	2.2	36.86			
45	1960	2.5	32.87			
53	1670	2.8	27.88			
62	1420	3.1	23.79			
52	1710	2.6	28.53	**F72A DA160MS4**	93	194
57	1540	2.8	25.85	**F72B DA160MS4**		194
62	1410	3.0	23.54	**F72C DA160MS4**		202
71	1230	3.3	20.62			
78	1120	3.5	18.76			
87	1010	3.8	16.90			

Motoreduktory Walcowe z Wałem Drążonym F

n2 [1/min]	T2 [Nm]	cG	i	Typ	Wymiary Strona	~kg
9.2 kW						
26	3390	0.85	56.75	**F63A DA160MS4**	92	142
30	2950	0.95	49.31	**F63B DA160MS4**		142
33	2640	1.05	44.16	**F63C DA160MS4**		148
37	2380	1.20	39.74			
42	2070	1.35	34.67			
47	1860	1.50	31.06			
53	1650	1.55	27.56			
61	1450	1.65	24.21			
56	1560	1.80	26.09	**F62A DA160MS4**	92	142
62	1420	2.00	23.73	**F62B DA160MS4**		142
69	1280	2.2	21.42	**F62C DA160MS4**		148
76	1160	2.4	19.43			
87	1010	2.6	16.83			
97	910	2.8	15.23			
106	825	3.0	13.82			
119	735	3.3	12.33			
141	625	3.7	10.45			
45	1970	0.80	32.93	**F53A DA160MS4**	91	117
50	1750	0.90	29.31	**F53B DA160MS4**		117
59	1500	1.05	25.11	**F53C DA160MS4**		121
66	1320	1.10	22.15			
75	1180	1.35	19.67	**F52A DA160MS4**	91	117
83	1050	1.50	17.62	**F52B DA160MS4**		117
93	945	1.70	15.78	**F52C DA160MS4**		121
103	850	1.85	14.20			
119	740	2.1	12.39			
132	665	2.3	11.10			
149	590	2.5	9.85			
170	515	2.8	8.65			
190	465	2.3	7.74			
212	415	2.5	6.94			
236	375	2.7	6.24			
270	325	3.6	5.45			
301	290	3.9	4.88			
340	260	4.1	4.33			
387	225	4.4	3.80			
11.0 kW						
17	6130	0.80	85.76	**F73A DA160M4**	93	194
19	5560	0.90	77.85	**F73B DA160M4**		194
21	4960	1.00	69.41	**F73C DA160M4**		202
25	4210	1.15	58.87			
28	3700	1.30	51.81			
33	3210	1.50	44.88			
36	2900	1.70	40.61			
40	2630	1.85	36.86			
45	2350	2.1	32.87			
53	1990	2.3	27.88			
62	1700	2.6	23.79			

n2 [1/min]	T2 [Nm]	cG	i	Typ	Wymiary Strona	~kg
11.0 kW						
52	2040	2.2	28.53	**F72A DA160M4**	93	194
57	1850	2.3	25.85	**F72B DA160M4**		194
62	1680	2.5	23.54	**F72C DA160M4**		202
71	1470	2.7	20.62			
78	1340	2.9	18.76			
87	1210	3.2	16.90			
97	1080	3.4	15.17			
113	930	3.8	13.01			
131	805	4.2	11.25			
161	650	3.7	9.11			
177	590	4.0	8.29			
30	3520	0.80	49.31	**F63A DA160M4**	92	142
33	3160	0.90	44.16	**F63B DA160M4**		142
37	2840	1.00	39.74	**F63C DA160M4**		148
42	2480	1.15	34.67			
47	2220	1.25	31.06			
53	1970	1.30	27.56			
61	1730	1.40	24.21			
56	1860	1.50	26.09	**F62A DA160M4**	92	142
62	1700	1.65	23.73	**F62B DA160M4**		142
69	1530	1.85	21.42	**F62C DA160M4**		148
76	1390	2.00	19.43			
87	1200	2.2	16.83			
97	1090	2.4	15.23			
106	990	2.5	13.82			
119	880	2.8	12.33			
141	745	3.1	10.45			
165	640	3.5	8.92			
191	550	3.2	7.70			
211	500	3.5	6.97			
59	1790	0.90	25.11	**F53A DA160M4**	91	117
66	1580	0.95	22.15	**F53B DA160M4**		117
				F53C DA160M4		121
75	1410	1.15	19.67	**F52A DA160M4**	91	117
83	1260	1.25	17.62	**F52B DA160M4**		117
93	1130	1.40	15.78	**F52C DA160M4**		121
103	1010	1.55	14.20			
119	885	1.80	12.39			
132	795	1.95	11.10			
149	705	2.1	9.85			
170	620	2.3	8.65			
190	555	1.90	7.74			
212	495	2.1	6.94			
236	445	2.2	6.24			
270	390	3.0	5.45			
301	350	3.3	4.88			
340	310	3.5	4.33			
387	270	3.7	3.80			
15.0 kW						
25	5740	0.85	58.87	**F73A DA160L4**	93	213
28	5050	0.95	51.81	**F73B DA160L4**		213
33	4370	1.10	44.88	**F73C DA160L4**		222
36	3960	1.25	40.61			
40	3590	1.35	36.86			
45	3200	1.50	32.87			
53	2720	1.70	27.88			
62	2320	1.90	23.79			

Motoreduktory Walcowe z Wałem Drążonym F

n2 [1/min]	T2 [Nm]	cG	i	Typ	Wymiary Strona	~kg
15.0 kW						
52	2780	1.60	28.53	**F72A DA160L4**	93	213
57	2520	1.70	25.85	**F72B DA160L4**		213
62	2290	1.85	23.54	**F72C DA160L4**		222
71	2010	2.0	20.62			
78	1830	2.1	18.76			
87	1650	2.3	16.90			
97	1480	2.5	15.17			
113	1270	2.8	13.01			
131	1100	3.1	11.25			
161	890	2.7	9.11			
177	810	2.9	8.29			
42	3380	0.85	34.67	**F63A DA160L4**	92	162
47	3030	0.90	31.06	**F63B DA160L4**		162
53	2690	0.95	27.56	**F63C DA160L4**		168
61	2360	1.00	24.21			
56	2540	1.10	26.09	**F62A DA160L4**	92	162
62	2310	1.20	23.73	**F62B DA160L4**		162
69	2090	1.35	21.42	**F62C DA160L4**		168
76	1890	1.45	19.43			
87	1640	1.60	16.83			
97	1480	1.75	15.23			
106	1350	1.85	13.82			
119	1200	2.0	12.33			
141	1020	2.3	10.45			
165	870	2.6	8.92			
191	750	2.4	7.70			
211	680	2.5	6.97			
232	615	3.2	6.33			
261	550	3.4	5.64			
307	465	3.7	4.78			
360	400	4.0	4.08			
75	1920	0.85	19.67	**F52A DA160L4**	91	137
83	1720	0.90	17.62	**F52B DA160L4**		137
93	1540	1.05	15.78	**F52C DA160L4**		140
103	1380	1.15	14.20			
119	1210	1.30	12.39			
132	1080	1.40	11.10			
149	960	1.55	9.85			
170	845	1.70	8.65			
190	755	1.40	7.74			
212	675	1.50	6.94			
236	610	1.65	6.24			
270	530	2.2	5.45			
301	475	2.4	4.88			
340	420	2.5	4.33			
387	370	2.7	3.80			
18.5 kW						
28	6210	0.80	51.81	**F73A DA180M4**	93	244
33	5380	0.90	44.88	**F73B DA180M4**		244
36	4860	1.00	40.61	**F73C DA180M4**		252
40	4420	1.10	36.86			
45	3940	1.25	32.87			
53	3340	1.40	27.88			
62	2850	1.55	23.79			

n2 [1/min]	T2 [Nm]	cG	i	Typ	Wymiary Strona	~kg
18.5 kW						
57	3100	1.40	25.85	**F72A DA180M4**	93	244
63	2820	1.50	23.54	**F72B DA180M4**		244
72	2470	1.65	20.62	**F72C DA180M4**		252
79	2250	1.75	18.76			
87	2020	1.90	16.90			
97	1820	2.0	15.17			
113	1560	2.3	13.01			
131	1350	2.5	11.25			
151	1170	2.8	9.78			
162	1090	2.2	9.11			
178	995	2.4	8.29			
198	895	3.6	7.46			
220	805	3.8	6.70			
54	3300	0.80	27.56	**F63A DA180M4**	92	192
61	2900	0.80	24.21	**F63B DA180M4**		192
				F63C DA180M4		198
69	2570	1.10	21.42	**F62A DA180M4**	92	192
76	2330	1.20	19.43	**F62B DA180M4**		192
88	2020	1.30	16.83	**F62C DA180M4**		198
97	1820	1.40	15.23			
107	1660	1.50	13.82			
120	1480	1.65	12.33			
141	1250	1.85	10.45			
165	1070	2.1	8.92			
192	920	1.90	7.70			
212	835	2.1	6.97			
233	760	2.6	6.33			
262	675	2.8	5.64			
308	575	3.0	4.78			
361	490	3.3	4.08			
22.0 kW						
36	5780	0.85	40.61	**F73A DA180L4**	93	274
40	5250	0.95	36.86	**F73B DA180L4**		274
45	4680	1.05	32.87	**F73C DA180L4**		282
53	3970	1.15	27.88			
62	3390	1.30	23.79			
57	3680	1.15	25.85	**F72A DA180L4**	93	274
63	3350	1.25	23.54	**F72B DA180L4**		274
72	2940	1.35	20.62	**F72C DA180L4**		282
79	2670	1.45	18.76			
87	2410	1.60	16.90			
97	2160	1.70	15.17			
113	1850	1.90	13.01			
131	1600	2.1	11.25			
151	1390	2.3	9.78			
162	1300	1.85	9.11			
178	1180	2.0	8.29			
198	1060	3.0	7.46			
220	955	3.2	6.70			
257	820	3.5	5.75			
297	710	3.8	4.97			
341	615	4.0	4.32			

Motoreduktory Walcowe z Wałem Drążonym F

n2 [1/min]	T2 [Nm]	cG	i	Typ	Wymiary Strona	~kg
22.0 kW						
69	3050	0.90	21.42	**F62A DA180L4**	92	222
76	2770	1.00	19.43	**F62B DA180L4**		222
88	2400	1.10	16.83	**F62C DA180L4**		228
97	2170	1.20	15.23			
107	1970	1.25	13.82			
120	1760	1.40	12.33			
141	1490	1.55	10.45			
165	1270	1.75	8.92			
192	1100	1.60	7.70			
212	995	1.75	6.97			
233	900	2.2	6.33			
262	805	2.4	5.64			
308	680	2.6	4.78			
361	580	2.7	4.08			
30.0 kW						
53	5410	0.85	27.88	**F73A DA200L4**	93	311
62	4620	0.95	23.79	**F73B DA200L4**		311
				F73C DA200L4		319
72	4010	1.00	20.62	**F72A DA200L4**	93	311
79	3640	1.10	18.76	**F72B DA200L4**		311
87	3280	1.15	16.90	**F72C DA200L4**		319
97	2950	1.25	15.17			
113	2530	1.40	13.01			
131	2180	1.55	11.25			
151	1900	1.70	9.78			
162	1770	1.35	9.11			
178	1610	1.50	8.29			
198	1450	2.2	7.46			
220	1300	2.4	6.70			
257	1120	2.6	5.75			
297	965	2.8	4.97			
341	840	2.9	4.32			

n2 [1/min]	T2 [Nm]	cG	i	Typ	Wymiary Strona	~kg

Motoreduktory Walcowe z Wałem Drążonym F dla bardzo niskich prędkości wyjściowych

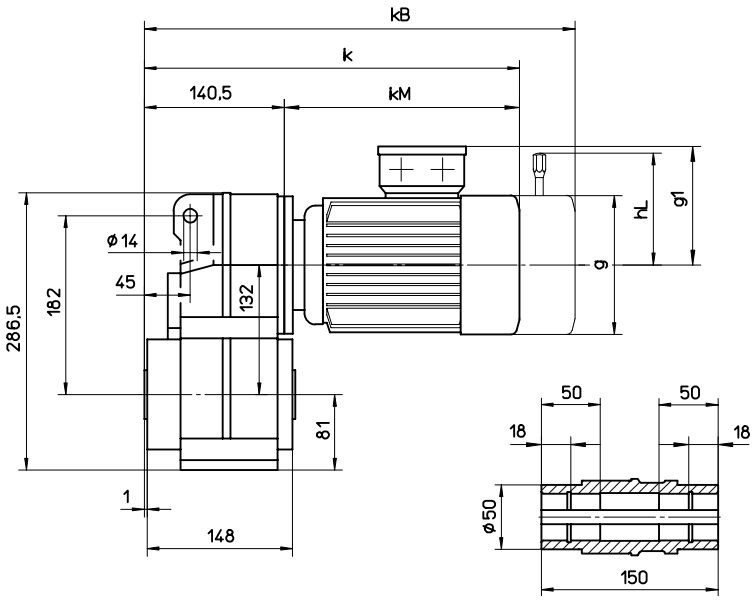
n2 [1/min]	i	Typ	Wymiary Strona	~kg
4880 Nm				
0.066	21379	**F73G33A DL63K4**	93/94	138
0.077	18354	**F73G33B DL63K4**		138
0.088	15966	**F73G33C DL63K4**		146
0.10	14033			
0.11	12436			
0.13	11094			
0.14	9951.3			
0.16	9044.1			
2800 Nm				
0.068	20876	**F63G23A DL63K4**	92/94	83
0.079	17836	**F63G23B DL63K4**		83
0.091	15435	**F63G23C DL63K4**		89
0.10	13492			
0.12	11886			
0.13	10538			
0.15	9455.6			
0.17	8265.1			
0.19	7281.6			
0.22	6455.5			
0.25	5651.9			
0.28	4979.3			
1580 Nm				
0.083	16911	**F53G23A DL63K4**	91/94	58
0.098	14448	**F53G23B DL63K4**		58
0.11	12503	**F53G23C DL63K4**		62
0.13	10929			
0.15	9628.5			
0.17	8536.1			
0.18	7659.6			
0.21	6695.2			
0.24	5898.5			
0.27	5229.3			
0.31	4578.3			
0.35	4033.5			
0.39	3575.9			
0.44	3221.2	**F53G22A DL63K4**	91/94	58
0.51	2765.4	**F53G22B DL63K4**		58
		F53G22C DL63K4		62

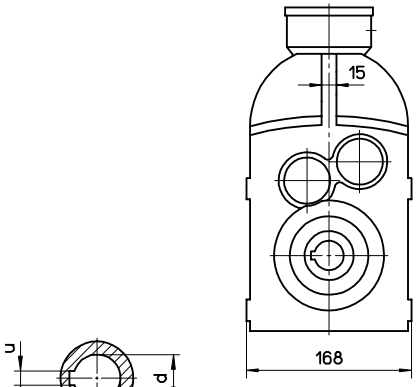
n2 [1/min]	i	Typ	Wymiary Strona	~kg
885 Nm				
0.087	16236	**F43G13A DL63K4**	90/94	36
0.10	13764	**F43G13B DL63K4**		36
0.12	11813	**F43G13C DL63K4**		38
0.14	10233			
0.16	8927.9			
0.18	7831.6			
0.20	6897.8			
0.23	6065.5			
0.27	5205.5			
0.31	4509.3			
0.36	3934.2			
0.40	3501.9	**F43G12A DL63K4**	90/94	36
0.47	2991.9	**F43G12B DL63K4**		36
0.54	2589.2	**F43G12C DL63K4**		38
0.62	2263.2			
0.71	1993.9			
0.80	1767.6			
0.90	1574.9			
470 Nm				
0.11	12764	**F33G13A DL63K4**	89/94	25
0.13	10821	**F33G13B DL63K4**		25
0.15	9286.8	**F33G13C DL63K4**		27
0.18	8044.8			
0.20	7018.8			
0.23	6157.0			
0.26	5422.8			
0.30	4768.5			
0.34	4092.4			
0.40	3545.1			
0.46	3092.9			
0.51	2753.1	**F33G12A DL63K4**	89/94	25
0.60	2352.1	**F33G12B DL63K4**		25
0.69	2035.5	**F33G12C DL63K4**		27
0.79	1779.2			
0.90	1567.5			
1.0	1389.7			
1.1	1238.2			
1.3	1111.5			
1.5	970.15			
1.7	849.73			
1.8	781.01			

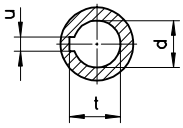
Motoreduktory Walcowe z Wałem Drążonym F

F32A,F33A

Wykonanie z wałem drążonym

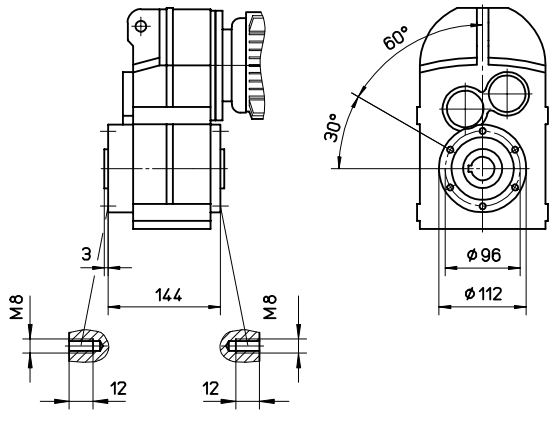






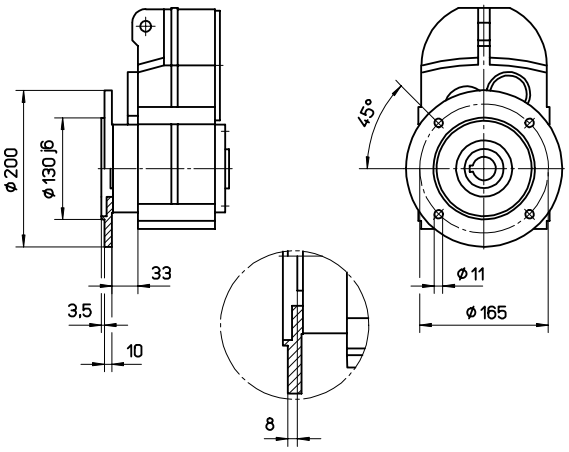
F32B,F33B

Wykonanie z wałem drążonym kołnierzem



F32C,F33C

Wykonanie z dużym



	k	kB	kM	g	g1	hL
F3__ DL63/71	337	391	196.5	126	113	106
F3__ DL80	380.5	437.5	240	142	121	114
F3__ DL90	424.5	489.5	284	160	130	128
F3__ DL100	474.5	545.5	334	180	141	168
F3__ DL112	515.5	602.5	375	200	151	176

Wał drążony	d	t	u
35	35H7	38.3	10
30	30H7	33.3	8

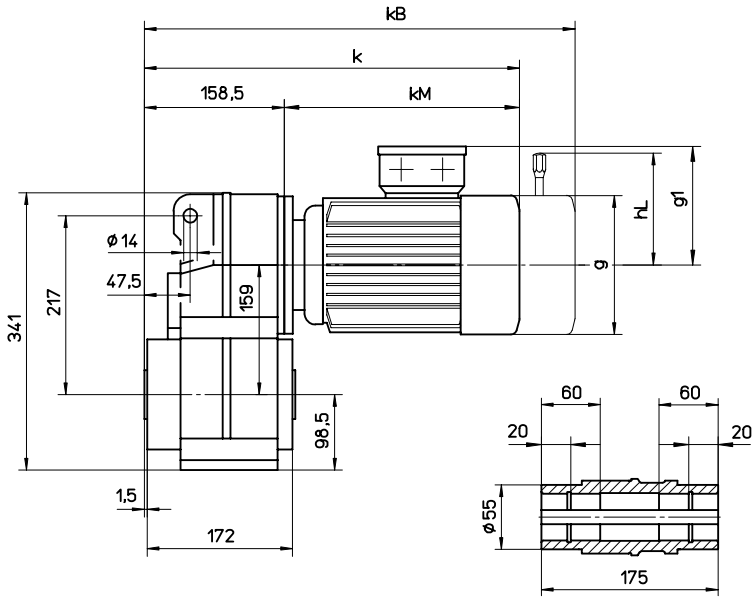
Motoreduktory Walcowe z Wałem Drążonym F

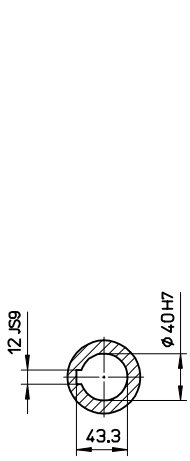
Wymiary kB i hL dotyczą motoreduktorów z hamulcem

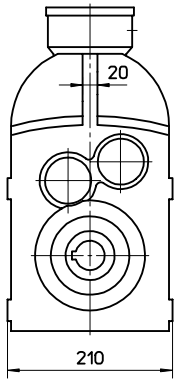
Motoreduktory Walcowe z Wałem Drążonym F

F42A,F43A

Wykonanie z wałem drążonym

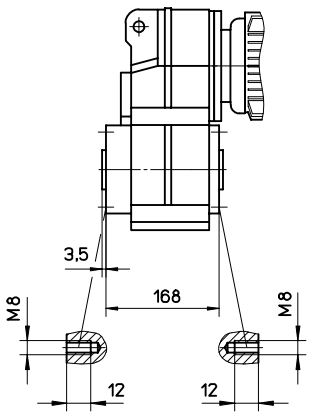


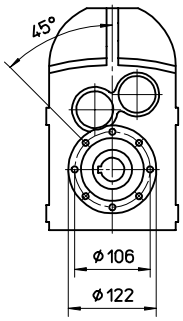




F42B,F43B

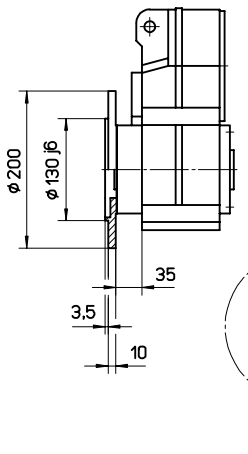
Wykonanie z wałem drążonym kołnierzem

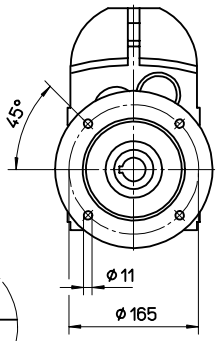




F42C,F43C

Wykonanie z dużym





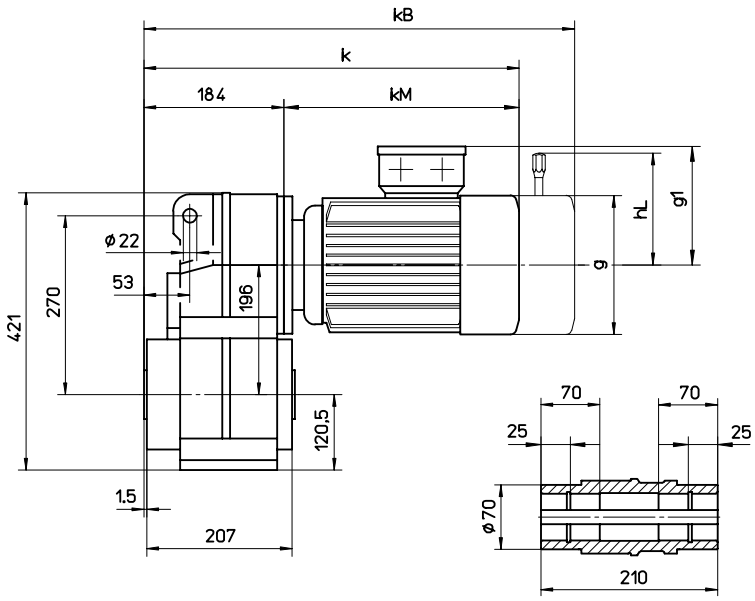
	k	kB	kM	g	g1	hL
F4__ DL63/71	354.5	408.5	196	126	113	106
F4__ DL80	398	455	239.5	142	121	114
F4__ DL90	444	509	285.5	160	130	128
F4__ DL100	492.5	563.5	334	180	141	168
F4__ DL112	534	621	375.5	200	151	176
F4__ DA132	593.5	692.5	435	245	188	225

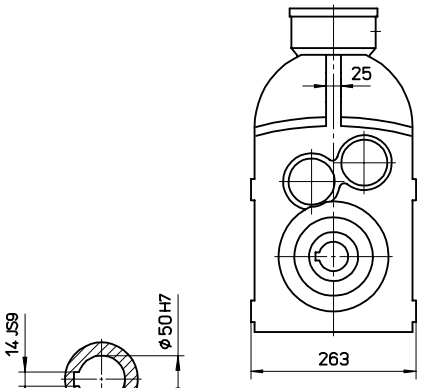
Wymiary kB i hL dotyczą motoreduktorów z hamulcem

Motoreduktory Walcowe z Wałem Drążonym F

F52A,F53A

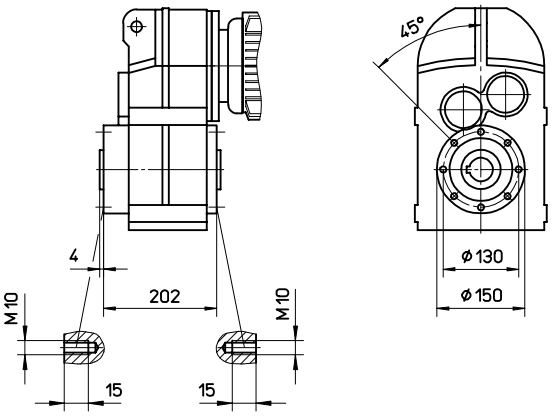
Wykonanie z wałem drążonym





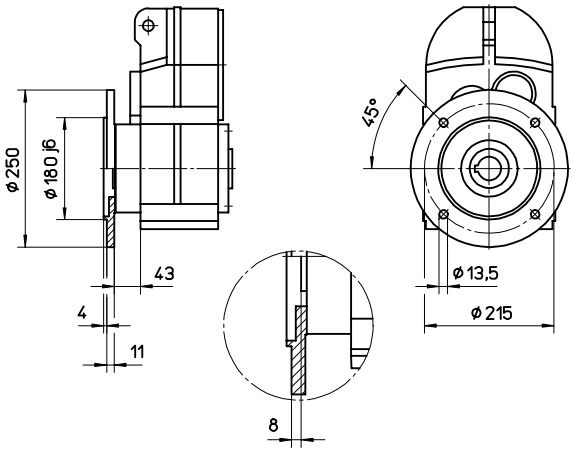
F52B,F53B

Wykonanie z wałem drążonym kołnierzem



F52C,F53C

Wykonanie z dużym



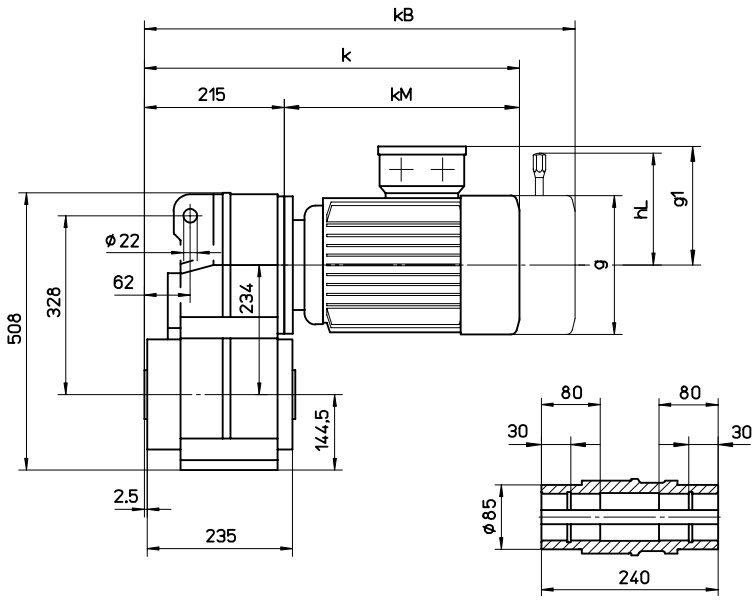
	k	kB	kM	g	g1	hL
F5__ DL63/71	376.5	430.5	192.5	126	113	106
F5__ DL80	420	477	236	142	121	114
F5__ DL90	466	531	282	160	130	128
F5__ DL100	513	584	329	180	141	168
F5__ DL112	555	642	371	200	151	176
F5__ DA132	615.5	714.5	431.5	245	188	225
F5__ DA160	723.5	843.5	539.5	311	250	256

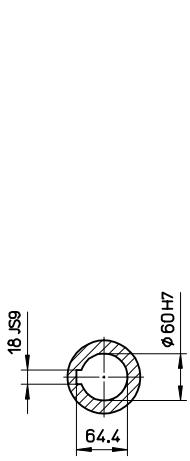
Wymiary kB i hL dotyczą motoreduktorów z hamulcem

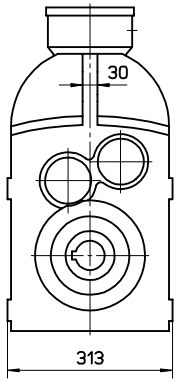
Motoreduktory Walcowe z Wałem Drążonym F

F62A,F63A

Wykonanie z wałem drążonym

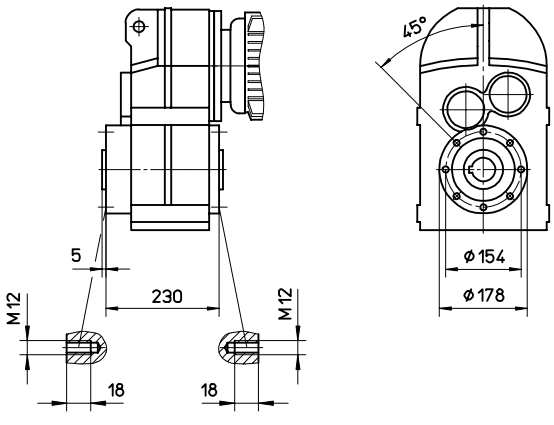






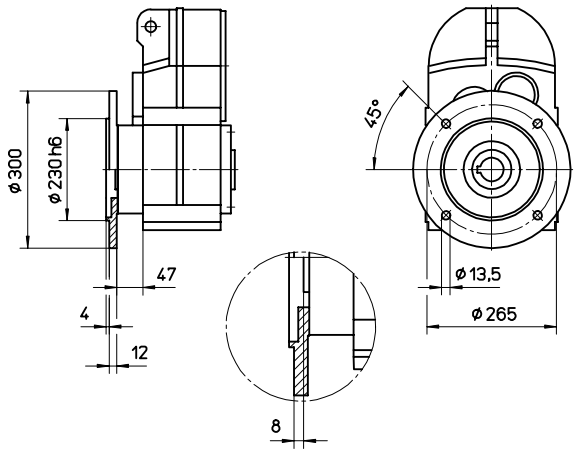
F62B,F63B

Wykonanie z wałem drążonym kołnierzem



F62C,F63C

Wykonanie z dużym



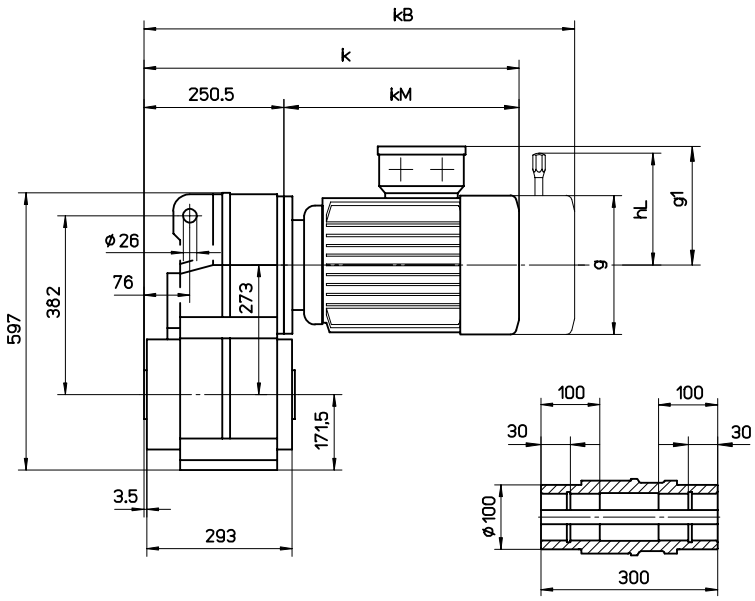
	k	kB	kM	g	g1	hL
F6__ DL80	446	503	231	142	121	114
F6__ DL90	492	557	277	160	130	128
F6__ DL100	541	612	326	180	141	168
F6__ DL112	582.5	669.5	367.5	200	151	176
F6__ DA132	643	742	428	245	188	225
F6__ DA160	747	867	532	311	250	256
F6__ DA180	804	943	589	356	291	335

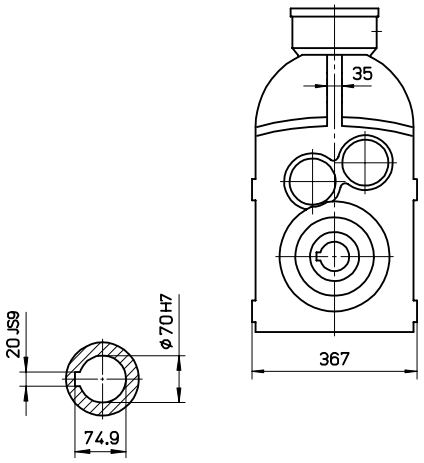
Wymiary kB i hL dotyczą motoreduktorów z hamulcem

Motoreduktory Walcowe z Wałem Drążonym F

F72A,F73A

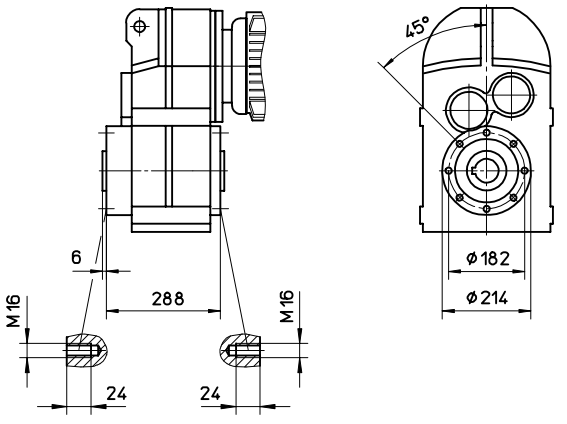
Wykonanie z wałem drążonym





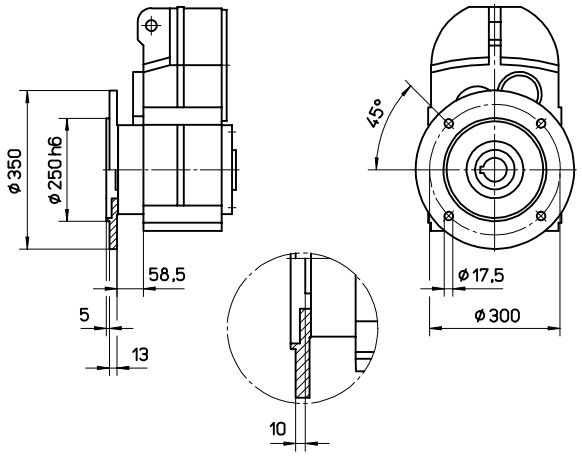
F72B,F73B

Wykonanie z wałem drążonym kołnierzem



F72C,F73C

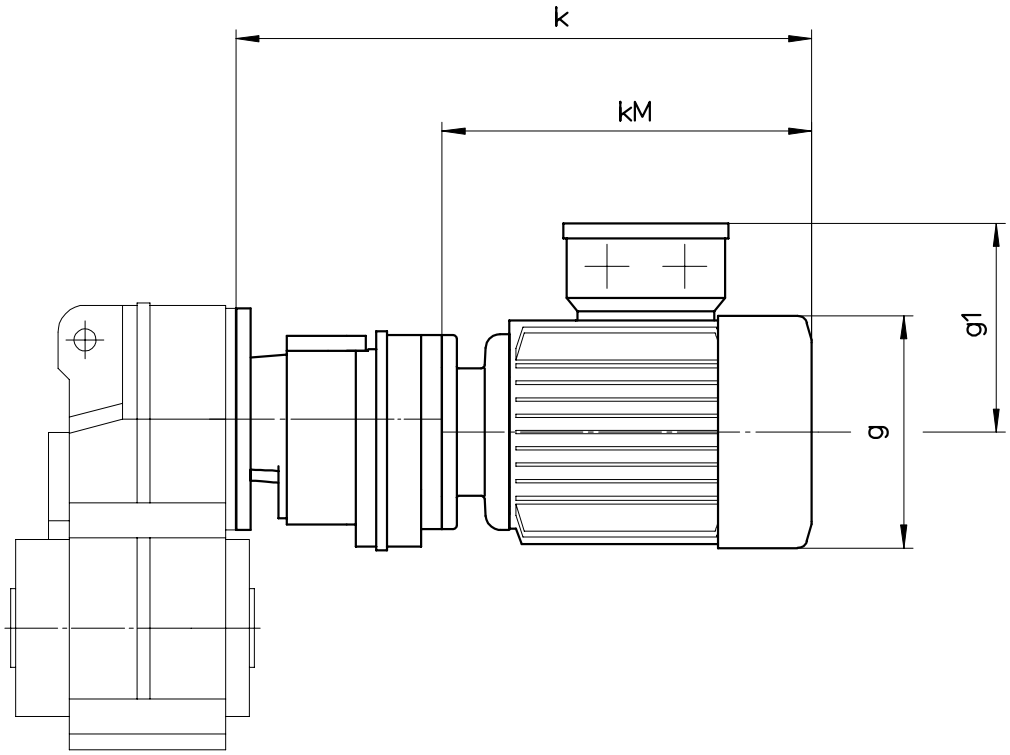
Wykonanie z dużym



	k	kB	kM	g	g1	hL
F7__ DL90	520.5	585.5	267.5	160	130	128
F7__ DL100	569.5	640.5	312	180	141	168
F7__ DL112	611	698	348	200	151	176
F7__ DA132	671.5	770.5	400.5	245	188	225
F7__ DA160	776.5	896.5	525	311	250	256
F7__ DA180	833.5	972.5	566	356	291	335
F7__ DA200	883.5	1022.5	616	356	291	335

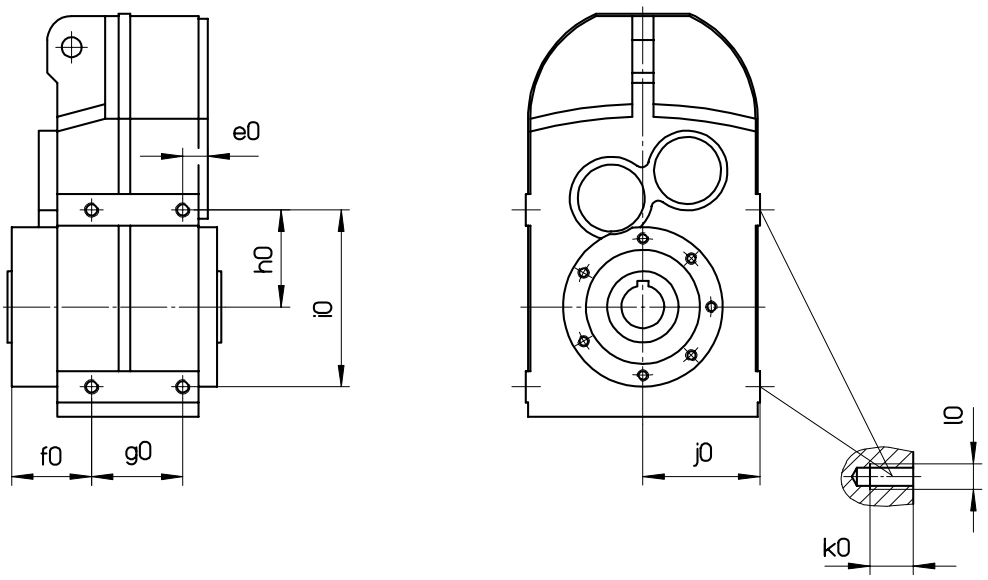
Wymiary kB i hL dotyczą motoreduktorów z hamulcem

Motoreduktory Walcowe z Wałem Drążonym F dla bardzo niskich prędkości wyjściowych



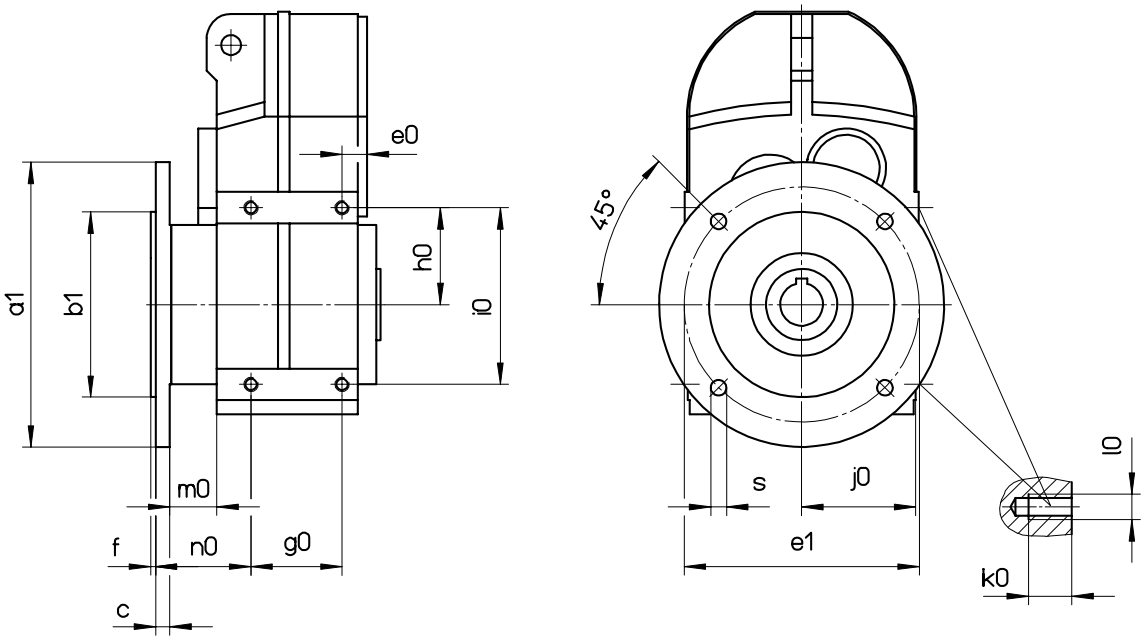
	k	kM	g	g1
F33G1__ DL63/71	323	200	126	113
F43G1__ DL63/71	323	200	126	113
F43G1__ DL80	366	243	142	121
F53G2__ DL63/71	342	197	126	113
F53G2__ DL80	385	240	142	121
F53G2__ DL90	429	284	160	130
F63G2__ DL63/71	342	197	126	113
F63G2__ DL80	385	240	142	121
F63G2__ DL90	429	284	160	130
F73G3__ DL63/71	370	196	126	113
F73G3__ DL80	413.5	239.5	142	121
F73G3__ DL90	459.5	285.5	160	130
F73G3__ DL100	508	334	180	141
F73G3__ DL112	549.5	375.5	200	151

Motoreduktory Walcowe z Wałem Drążonym F
Wersja nasadowa + powierzchnie boczne



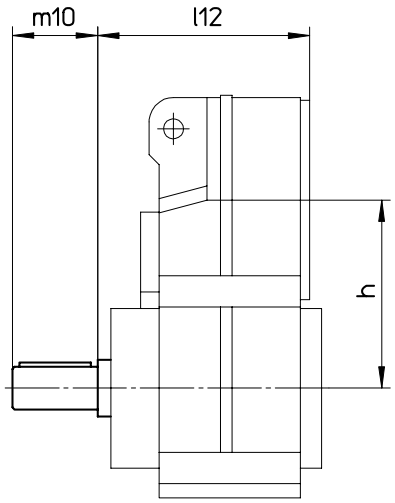
Reduktor	e0	f0	g0	h0	i0	j0	k0	l0
F3	17.5	56	64	68	124	82	15	M10
F4	18	57	80	87	158	103	18	M12
F5	15	61	104	112	202	129	18	M12
F6	20	70	120	134	244	154	24	M16
F7	24	75.5	145	245	370	181	30	M20

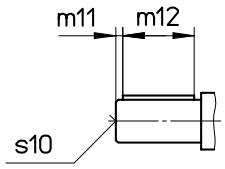
Motoreduktory Walcowe z Wałem Drążonym F
Wersja kołnierzowa + powierzchnie boczne

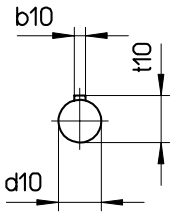


Reduktor	e0	g0	h0	i0	j0	k0	l0	m0	n0	a1	e1	b1	s	c	f
F3	17.5	64	68	124	82	15	M10	33	67	200	165	130 j6	11	10	3.5
F4	18	80	87	158	103	18	M12	35	68	200	165	130 j6	11	10	3.5
F5	15	104	112	202	129	18	M12	43	73	250	215	180 j6	13.5	11	4
F6	20	120	134	244	154	24	M16	47	83	300	265	230j6	13.5	12	4
F7	24	145	245	370	181	30	M20	58.5	91.5	350	300	250h6	17.5	13	5

Motoreduktory Walcowe z Wałem Drążonym F
Wersja z wałem wyjściowym pełnym

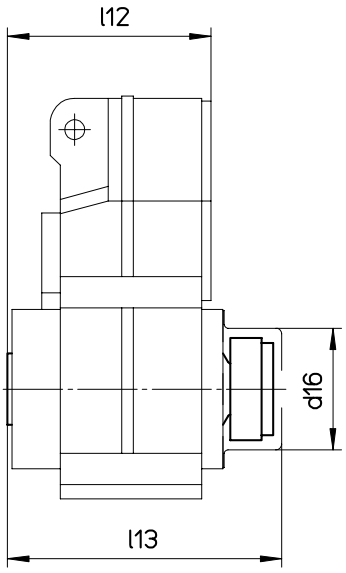


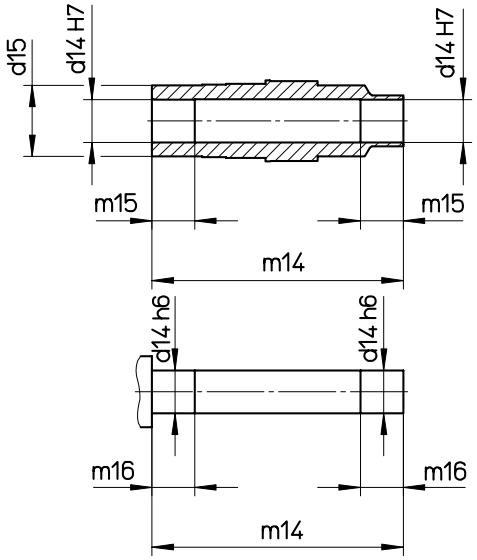




Reduktor	d10	m10	m11	m12	b10	t10	s10	h	l12
F3	30	60	5	50	8	33	M10	132	148.5
F3	35	70	7	56	10	38	M12	132	148.5
F4	40	80	5	70	12	43	M16	159	166
F5	50	100	10	80	14	53.5	M16	196	192
F6	60	120	10	100	18	64	M20	234	222
F7	75	140	7.5	125	20	79.5	M20	273	260.5

Motoreduktory Walcowe z Wałem Drążonym F
Wersja z wałem wyjściowym drążonym i pierścieniem zaciskowym

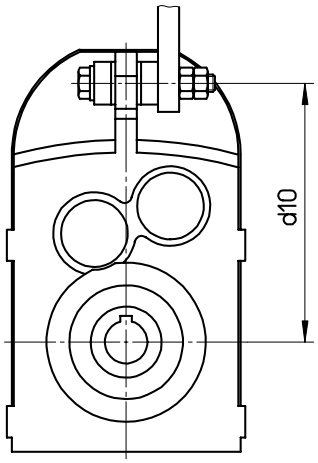


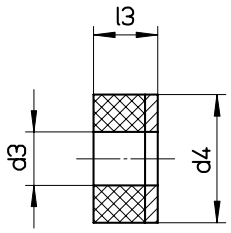


Reduktor	*)	d14	d15	d16	m14	m15	m16	l12	l13
F3	DL112	30	45	85	176	30	32	140.5	188
F3	DL112	35	45	85	176	30	32	140.5	188
F4	DA132	40	55	96	202	40	42	158.5	214.5
F5	DA132	50	70	116	242	50	52	184	255
F6	DA180	60	85	148	274	60	62	215	292
F7	DA200	70	100	184	343	70	72	270.5	360

*) największa możliwa wielkość silnika

Motoreduktory Walcowe z Wałem Drążonym F
Wkładki gumowe





Reduktor	a10	d3	d4	l3
F3	182	12.5	30	15
F4	217	12.5	40	20
F5	270	21	50	30
F6	328	21	60	30
F7	382	25	80	40

Motoreduktory Walcowe z Wałem Drążonym F

i	n2 [1/min] n1=1400	T2max [Nm]	P1max [kW]	-W	Przyłącze silnikowe -M IEC	Przyłącze silnikowe -M NEMA	Przyłącze silnikowe -M S
F33G13							
12764	0.11	470	<0.05	W1	63 71	56	70
10821	0.13	470	<0.05	W1	63 71	56	70
9286.8	0.15	470	<0.05	W1	63 71	56	70
8044.8	0.17	470	<0.05	W1	63 71	56	70
7018.8	0.20	470	<0.05	W1	63 71	56	70
6157.0	0.23	470	<0.05	W1	63 71	56	70
5422.8	0.26	470	<0.05	W1	63 71	56	70
4768.5	0.29	470	<0.05	W1	63 71	56	70
4092.4	0.34	470	<0.05	W1	63 71	56	70
3545.1	0.39	470	<0.05	W1	63 71	56	70
3092.9	0.45	470	<0.05	W1	63 71	56	70
F33G12							
2753.1	0.51	470	<0.05	W1	63 71	56	70
2352.1	0.60	470	<0.05	W1	63 71	56	70
2035.5	0.69	470	<0.05	W1	63 71	56	70
1779.2	0.79	470	<0.05	W1	63 71	56	70
1567.5	0.89	470	<0.05	W1	63 71	56	70
1389.7	1.0	470	<0.05	W1	63 71	56	70
1238.2	1.1	470	0.06	W1	63 71	56	70
1111.5	1.3	470	0.06	W1	63 71	56	70
970.15	1.4	470	0.07	W1	63 71	56	70
849.73	1.6	470	0.08	W1	63 71	56	70
781.01	1.8	470	0.09	W1	63 71	56	70
688.08	2.0	470	0.10	W1	63 71	56	70
610.01	2.3	470	0.11	W1	63 71	56	70
543.51	2.6	470	0.13	W1	63 71	56	70
487.91	2.9	470	0.14	W1	63 71	56	70
425.86	3.3	470	0.16	W1	63 71	56	70
373.00	3.8	470	0.19	W1	63 71 80	56 140	70 90
332.76	4.2	470	0.21	W1	63 71 80	56 140	70 90
298.48	4.7	470	0.23	W1	63 71 80	56 140	70 90
271.27	5.2	470	0.25	W1	63 71 80	56 140	70 90
239.17	5.9	470	0.29	W1	63 71 80	56 140	70 90
211.83	6.6	470	0.33	W1	63 71 80	56 140	70 90

Motoreduktory Walcowe z Wałem Drążonym F

i	n2 [1/min] n1=1400	T2max [Nm]	P1max [kW]	-W	Przyłącze silnikowe -M IEC	Przyłącze silnikowe -M NEMA	Przyłącze silnikowe -M S
F33							
190.26	7.4	470	0.36	W1	63 71	56	70
163.34	8.6	470	0.42	W1	63 71	56	70
142.09	9.9	470	0.49	W1	63 71 80	56 140	70 90
124.88	11	470	0.55	W1	63 71 80 90	56 140	70 90 110
110.67	13	470	0.62	W2	63 71 80 90	56 140	70 90 110
98.73	14	470	0.70	W2	63 71 80 90	56 140	70 90 110
88.56	16	470	0.78	W2	63 71 80 90 100	56 140 180	70 90 110 140
80.49	17	470	0.86	W2	63 71 80 90 100	56 140 180	70 90 110 140
70.96	20	470	0.97	W2	63 71 80 90 100	56 140 180	70 90 110 140
62.85	22	470	1.10	W2	63 71 80 90 100	56 140 180	70 90 110 140
56.24	25	470	1.23	W2	80 90 100	140 180	90 110 140
49.17	28	470	1.40	W2	63 71 80 90 100	56 140 180	70 90 110 140
43.87	32	470	1.57	W2	63 71 80 90 100 112	56 140 180	70 90 110 140
39.35	36	470	1.75	W2	63 71 80 90 100 112	56 140 180	70 90 110 140
35.76	39	470	1.93	W3	63 71 80 90 100 112	56 140 180	70 90 110 140
31.53	44	470	2.19	W3	63 71 80 90 100 112	56 140 180	70 90 110 140
27.93	50	470	2.47	W3	63 71 80 90 100 112	56 140 180	70 90 110 140
24.99	56	470	2.76	W3	80 90 100 112	140 180	90 110 140
21.75	64	465	3.13	W3	80 90 100 112	140 180	90 110 140
F32							
27.55	51	470	2.51	W2	63 71 80 90	56 140	70 90 110
24.60	57	470	2.81	W3	63 71 80 90 100	56 140 180	70 90 110 140
22.12	63	470	3.12	W3	63 71 80 90 100 112	56 140 180	70 90 110 140
20.01	70	470	3.45	W3	63 71 80 90 100 112	56 140 180	70 90 110 140
18.24	77	470	3.79	W3	63 71 80 90 100 112	56 140 180	70 90 110 140
16.27	86	470	4.00	W3	63 71 80 90 100 112	56 140 180	70 90 110 140
14.60	96	455	4.00	W3	63 71 80 90 100 112	56 140 180	70 90 110 140
13.24	106	445	4.00	W3	80 90 100 112	140 180	90 110 140
11.74	119	430	4.00	W3	80 90 100 112	140 180	90 110 140
10.33	136	415	4.00	W3	80 90 100 112	140 180	90 110 140
9.05	155	400	4.00	W3	80 90 100 112	140 180	90 110 140
8.50	165	355	4.00	W3	63 71 80 90 100 112	56 140 180	70 90 110 140
7.95	176	390	4.00	W3	100 112	180	140
7.58	185	340	4.00	W3	63 71 80 90 100 112	56 140 180	70 90 110 140
6.80	206	330	4.00	W3	63 71 80 90 100 112	56 140 180	70 90 110 140
6.17	227	380	4.00	W3	80 90 100 112	140 180	90 110 140
5.47	256	360	4.00	W3	80 90 100 112	140 180	90 110 140
4.81	291	335	4.00	W3	80 90 100 112	140 180	90 110 140
4.21	332	310	4.00	W3	80 90 100 112	140 180	90 110 140
3.70	378	290	4.00	W3	100 112	180	140

Motoreduktory Walcowe z Wałem Drążonym F

i	n2 [1/min] n1=1400	T2max [Nm]	P1max [kW]	-W	Przyłącze silnikowe -M IEC	Przyłącze silnikowe -M NEMA	Przyłącze silnikowe -M S
F43G13							
16236	0.086	885	<0.05	W1	63 71	56	70
13764	0.10	885	<0.05	W1	63 71	56	70
11813	0.12	885	<0.05	W1	63 71	56	70
10233	0.14	885	<0.05	W1	63 71	56	70
8927.9	0.16	885	<0.05	W1	63 71	56	70
7831.6	0.18	885	<0.05	W1	63 71	56	70
6897.8	0.20	885	<0.05	W1	63 71	56	70
6065.5	0.23	885	<0.05	W1	63 71	56	70
5205.5	0.27	885	<0.05	W1	63 71	56	70
4509.3	0.31	885	<0.05	W1	63 71	56	70
3934.2	0.36	885	<0.05	W1	63 71	56	70
F43G12							
3501.9	0.40	885	<0.05	W1	63 71	56	70
2991.9	0.47	885	<0.05	W1	63 71	56	70
2589.2	0.54	885	<0.05	W1	63 71	56	70
2263.2	0.62	885	0.06	W1	63 71	56	70
1993.9	0.70	885	0.06	W1	63 71	56	70
1767.6	0.79	885	0.07	W1	63 71	56	70
1574.9	0.89	885	0.08	W1	63 71	56	70
1413.8	0.99	885	0.09	W1	63 71	56	70
1234.0	1.1	885	0.10	W1	63 71	56	70
1080.8	1.3	885	0.12	W1	63 71	56	70
993.44	1.4	885	0.13	W1	63 71	56	70
875.23	1.6	885	0.15	W1	63 71	56	70
775.93	1.8	885	0.17	W1	63 71	56	70
691.34	2.0	885	0.19	W1	63 71 80	56 140	70 90
620.62	2.3	885	0.21	W1	63 71 80	56 140	70 90
541.69	2.6	885	0.24	W1	63 71 80	56 140	70 90
474.45	3.0	885	0.27	W1	63 71 80	56 140	70 90
426.68	3.3	885	0.30	W1	63 71 80	56 140	70 90
386.00	3.6	885	0.34	W1	63 71 80	56 140	70 90
351.84	4.0	885	0.37	W1	63 71 80	56 140	70 90
313.88	4.5	885	0.41	W1	63 71 80 90	56 140	70 90 110
281.55	5.0	885	0.46	W1	63 71 80 90	56 140	70 90 110
255.44	5.5	885	0.51	W1	63 71 80 90	56 140	70 90 110
226.36	6.2	885	0.57	W1	63 71 80 90	56 140	70 90 110
199.24	7.0	885	0.65	W2	63 71 80 90	56 140	70 90 110

Motoreduktory Walcowe z Wałem Drążonym F

i	n2 [1/min] n1=1400	T2max [Nm]	P1max [kW]	-W	Przyłącze silnikowe -M IEC	Przyłącze silnikowe -M NEMA	Przyłącze silnikowe -M S
F43							
235.25	6.0	885	0.55	W1	63 71	56	70
203.29	6.9	885	0.64	W1	63 71	56	70
178.07	7.9	885	0.73	W2	63 71 80	56 140	70 90
157.64	8.9	885	0.82	W2	63 71 80 90	56 140	70 90 110
140.77	9.9	885	0.92	W2	63 71 80 90 100	56 140 180	70 90 110 140
126.60	11	885	1.02	W2	63 71 80 90 100	56 140 180	70 90 110 140
114.53	12	885	1.13	W2	63 71 80 90 100	56 140 180	70 90 110 140
104.39	13	885	1.24	W2	63 71 80 90 100	56 140 180	70 90 110 140
93.13	15	885	1.39	W2	63 71 80 90 100	56 140 180	70 90 110 140
83.54	17	885	1.55	W2	63 71 80 90 100 112	56 140 180	70 90 110 140
75.79	18	885	1.71	W2	80 90 100 112	140 180	90 110 140
67.16	21	885	1.93	W3	80 90 100 112	140 180	90 110 140
59.12	24	885	2.19	W3	80 90 100 112	140 180	90 110 140
51.77	27	885	2.50	W3	80 90 100 112	140 180	90 110 140
46.92	30	885	2.76	W3	63 71 80 90 100 112	56 140 180	70 90 110 140
42.08	33	885	3.08	W3	63 71 80 90 100 112 132	56 140 180 210	70 90 110 140 190
38.18	37	885	3.39	W3	80 90 100 112 132	140 180 210	90 110 140 190
33.83	41	885	3.83	W3	80 90 100 112 132	140 180 210	90 110 140 190
29.78	47	885	4.35	W3	80 90 100 112 132	140 180 210	90 110 140 190
26.08	54	850	4.78	W4	80 90 100 112 132	140 180 210	90 110 140 190
22.91	61	785	5.0	W4	100 112 132	180 210	140 190
F42							
30.05	47	885	4.31	W3	63 71 80 90 100	56 140 180	70 90 110 140
27.14	52	885	4.77	W3	63 71 80 90 100 112	56 140 180	70 90 110 140
24.65	57	885	5.3	W3	63 71 80 90 100 112	56 140 180	70 90 110 140
22.54	62	885	5.7	W3	63 71 80 90 100 112	56 140 180	70 90 110 140
20.22	69	885	6.4	W4	63 71 80 90 100 112 132	56 140 180 210	70 90 110 140 190
18.25	77	885	7.1	W4	63 71 80 90 100 112 132	56 140 180 210	70 90 110 140 190
16.80	83	885	7.5	W4	80 90 100 112 132	140 180 210	90 110 140 190
15.02	93	885	7.5	W4	80 90 100 112 132	140 180 210	90 110 140 190
13.33	105	885	7.5	W4	80 90 100 112 132	140 180 210	90 110 140 190
11.82	118	885	7.5	W4	80 90 100 112 132	140 180 210	90 110 140 190
10.51	133	885	7.5	W4	100 112 132	180 210	140 190
9.01	155	885	7.5	W4	132	210	190
7.94	176	885	7.5	W4	132	210	190
7.36	190	440	7.5	W4	63 71 80 90 100 112 132	56 140 180 210	70 90 110 140 190
6.77	207	570	7.5	W4	80 90 100 112 132	140 180 210	90 110 140 190
6.05	231	555	7.5	W4	80 90 100 112 132	140 180 210	90 110 140 190
5.38	260	620	7.5	W4	80 90 100 112 132	140 180 210	90 110 140 190
4.76	294	575	7.5	W4	80 90 100 112 132	140 180 210	90 110 140 190
4.24	330	570	7.5	W4	100 112 132	180 210	140 190
3.63	385	595	7.5	W4	132	210	190
3.20	437	555	7.5	W4	132	210	190

Motoreduktory Walcowe z Wałem Drążonym F

i	n2 [1/min] n1=1400	T2max [Nm]	P1max [kW]	-W	Przyłącze silnikowe -M IEC	Przyłącze silnikowe -M NEMA	Przyłącze silnikowe -M S
F53G23							
16911	0.083	1580	<0.05	W1	63 71	56	70
14448	0.097	1580	<0.05	W1	63 71	56	70
12503	0.11	1580	<0.05	W1	63 71	56	70
10929	0.13	1580	<0.05	W1	63 71	56	70
9628.5	0.15	1580	<0.05	W1	63 71	56	70
8536.1	0.16	1580	<0.05	W1	63 71	56	70
7659.6	0.18	1580	<0.05	W1	63 71	56	70
6695.2	0.21	1580	<0.05	W1	63 71	56	70
5898.5	0.24	1580	<0.05	W1	63 71	56	70
5229.3	0.27	1580	<0.05	W1	63 71	56	70
4578.3	0.31	1580	0.05	W1	63 71	56	70
4033.5	0.35	1580	0.06	W1	63 71	56	70
3575.9	0.39	1580	0.06	W1	63 71	56	70
F53G22							
3221.2	0.43	1580	0.07	W1	63 71	56	70
2765.4	0.51	1580	0.08	W1	63 71	56	70
2405.6	0.58	1580	0.10	W1	63 71	56	70
2114.3	0.66	1580	0.11	W1	63 71	56	70
1873.6	0.75	1580	0.12	W1	63 71	56	70
1671.5	0.84	1580	0.14	W1	63 71	56	70
1499.3	0.93	1580	0.15	W1	63 71	56	70
1362.7	1.0	1580	0.17	W1	63 71	56	70
1201.4	1.2	1580	0.19	W1	63 71 80	56 140	70 90
1064.0	1.3	1580	0.22	W1	63 71 80	56 140	70 90
960.29	1.5	1580	0.24	W1	63 71 80	56 140	70 90
883.90	1.6	1580	0.26	W1	63 71 80	56 140	70 90
776.06	1.8	1580	0.30	W1	63 71 80	56 140	70 90
696.12	2.0	1580	0.33	W1	63 71 80	56 140	70 90
632.66	2.2	1580	0.37	W1	63 71 80	56 140	70 90
557.80	2.5	1580	0.42	W1	63 71 80 90	56 140	70 90 110
494.02	2.8	1580	0.47	W1	63 71 80 90	56 140	70 90 110
445.85	3.1	1580	0.52	W1	63 71 80 90	56 140	70 90 110
410.38	3.4	1580	0.57	W1	63 71 80 90	56 140	70 90 110
366.79	3.8	1580	0.63	W2	63 71 80 90	56 140	70 90 110
325.70	4.3	1580	0.71	W2	63 71 80 90	56 140	70 90 110
288.62	4.9	1580	0.80	W2	63 71 80 90 100	56 140 180	70 90 110 140
285.67	4.9	1580	0.81	W2	80 90 100	140 180	90 110 140
253.67	5.5	1580	0.92	W2	80 90 100	140 180	90 110 140
252.64	5.5	1580	0.92	W2	63 71 80 90 100	56 140 180	70 90 110 140
228.00	6.1	1580	1.02	W2	63 71 80 90 100	56 140 180	70 90 110 140
224.79	6.2	1580	1.03	W2	80 90 100	140 180	90 110 140
209.86	6.7	1580	1.11	W2	63 71 80 90 100	56 140 180	70 90 110 140
196.76	7.1	1580	1.18	W2	80 90 100	140 180	90 110 140

Motoreduktory Walcowe z Wałem Drążonym F

i	n2 [1/min] n1=1400	T2max [Nm]	P1max [kW]	-W	Przyłącze silnikowe -M IEC	Przyłącze silnikowe -M NEMA	Przyłącze silnikowe -M S
F53							
205.64	6.8	1580	1.13	W2	63 71 80	56 140	70 90
182.73	7.7	1580	1.27	W2	63 71 80 90	56 140	70 90 110
163.81	8.5	1580	1.42	W2	63 71 80 90 100	56 140 180	70 90 110 140
147.91	9.5	1580	1.57	W2	63 71 80 90 100 112	56 140 180	70 90 110 140
134.37	10	1580	1.73	W2	63 71 80 90 100 112	56 140 180	70 90 110 140
122.86	11	1580	1.89	W3	63 71 80 90 100 112	56 140 180	70 90 110 140
110.24	13	1580	2.11	W3	63 71 80 90 100 112	56 140 180	70 90 110 140
99.49	14	1580	2.33	W3	63 71 80 90 100 112	56 140 180	70 90 110 140
91.57	15	1580	2.54	W3	80 90 100 112	140 180	90 110 140
81.85	17	1580	2.84	W3	80 90 100 112	140 180	90 110 140
72.68	19	1580	3.20	W3	80 90 100 112 132	140 180 210	90 110 140 190
64.40	22	1580	3.61	W3	80 90 100 112 132	140 180 210	90 110 140 190
56.37	25	1580	4.12	W3	63 71 80 90 100 112 132	56 140 180 210	70 90 110 140 190
50.88	28	1580	4.56	W4	63 71 80 90 100 112 132	56 140 180 210	70 90 110 140 190
46.83	30	1580	4.96	W4	80 90 100 112 132	140 180 210	90 110 140 190
41.85	33	1580	5.5	W4	80 90 100 112 132	140 180 210	90 110 140 190
37.17	38	1580	6.2	W4	80 90 100 112 132	140 180 210	90 110 140 190
32.93	43	1580	7.1	W4	80 90 100 112 132	140 180 210	90 110 140 190
29.31	48	1580	7.9	W4	100 112 132	180 210	140 190
25.11	56	1580	9.2	W4	132	210	190
22.15	63	1480	9.8	W4	132	210	190
F52							
34.34	41	1460	6.2	W3	63 71 80 90 100 112	56 140 180	70 90 110 140
31.33	45	1450	6.8	W3	63 71 80 90 100 112	56 140 180	70 90 110 140
28.82	49	1580	8.1	W3	63 71 80 90 100 112	56 140 180	70 90 110 140
26.01	54	1580	8.9	W4	63 71 80 90 100 112 132	56 140 180 210	70 90 110 140 190
23.61	59	1580	9.8	W4	63 71 80 90 100 112 132	56 140 180 210	70 90 110 140 190
21.83	64	1580	10.6	W4	80 90 100 112 132	140 180 210	90 110 140 190
19.67	71	1580	11.8	W4	80 90 100 112 132	140 180 210	90 110 140 190
17.62	79	1580	13.2	W4	80 90 100 112 132	140 180 210	90 110 140 190
15.78	89	1580	14.7	W4	80 90 100 112 132	140 180 210	90 110 140 190
14.20	99	1580	15.0	W4	100 112 132	180 210	140 190
12.39	113	1580	15.0	W4	132	210	190
11.10	126	1530	15.0	W4	132	210	190
9.85	142	1480	15.0	W4	132	210	190
8.65	162	1430	15.0	W4	132	210	190
7.74	181	1050	15.0	W4	80 90 100 112 132	140 180 210	90 110 140 190
6.94	202	1030	15.0	W4	80 90 100 112 132	140 180 210	90 110 140 190
6.24	224	1000	15.0	W4	100 112 132	180 210	140 190
5.45	257	1180	15.0	W4	132	210	190
4.88	287	1140	15.0	W4	132	210	190
4.33	323	1070	15.0	W4	132	210	190
3.80	368	1000	15.0	W4	132	210	190

Motoreduktory Walcowe z Wałem Drążonym F

i	n2 [1/min] n1=1400	T2max [Nm]	P1max [kW]	-W	Przyłącze silnikowe -M IEC	Przyłącze silnikowe -M NEMA	Przyłącze silnikowe -M S
F63G23							
20876	0.067	2800	<0.05	W1	63 71	56	70
17836	0.078	2800	<0.05	W1	63 71	56	70
15435	0.091	2800	<0.05	W1	63 71	56	70
13492	0.10	2800	<0.05	W1	63 71	56	70
11886	0.12	2800	<0.05	W1	63 71	56	70
10538	0.13	2800	<0.05	W1	63 71	56	70
9455.6	0.15	2800	<0.05	W1	63 71	56	70
8265.1	0.17	2800	<0.05	W1	63 71	56	70
7281.6	0.19	2800	0.06	W1	63 71	56	70
6455.5	0.22	2800	0.06	W1	63 71	56	70
5651.9	0.25	2800	0.07	W1	63 71	56	70
4979.3	0.28	2800	0.08	W1	63 71	56	70
4414.4	0.32	2800	0.09	W1	63 71	56	70
F63G22							
3976.5	0.35	2800	0.10	W1	63 71	56	70
3413.8	0.41	2800	0.12	W1	63 71	56	70
2969.6	0.47	2800	0.14	W1	63 71	56	70
2610.0	0.54	2800	0.16	W1	63 71	56	70
2313.0	0.61	2800	0.18	W1	63 71	56	70
2063.5	0.68	2800	0.20	W1	63 71 80	56 140	70 90
1850.9	0.76	2800	0.22	W1	63 71 80	56 140	70 90
1682.2	0.83	2800	0.24	W1	63 71 80	56 140	70 90
1483.1	0.94	2800	0.28	W1	63 71 80	56 140	70 90
1313.5	1.1	2800	0.31	W1	63 71 80	56 140	70 90
1214.4	1.2	2800	0.34	W1	63 71 80	56 140	70 90
1094.0	1.3	2800	0.38	W1	63 71 80 90	56 140	70 90 110
958.03	1.5	2800	0.43	W1	63 71 80 90	56 140	70 90 110
859.35	1.6	2800	0.48	W1	63 71 80 90	56 140	70 90 110
781.01	1.8	2800	0.53	W1	63 71 80 90	56 140	70 90 110
688.59	2.0	2800	0.60	W2	63 71 80 90	56 140	70 90 110
609.86	2.3	2800	0.67	W2	63 71 80 90	56 140	70 90 110
563.82	2.5	2800	0.73	W2	63 71 80 90	56 140	70 90 110
507.91	2.8	2800	0.81	W2	63 71 80 90 100	56 140 180	70 90 110 140
474.99	2.9	2800	0.87	W2	80 90 100	140 180	90 110 140
455.13	3.1	2800	0.90	W2	63 71 80 90 100	56 140 180	70 90 110 140
439.13	3.2	2800	0.94	W2	80 90 100	140 180	90 110 140
407.58	3.4	2800	1.01	W2	63 71 80 90 100	56 140 180	70 90 110 140
395.58	3.5	2800	1.04	W2	80 90 100	140 180	90 110 140
366.82	3.8	2800	1.12	W2	63 71 80 90 100	56 140 180	70 90 110 140
354.48	3.9	2800	1.16	W2	80 90 100	140 180	90 110 140
320.02	4.4	2800	1.28	W2	63 71 80 90 100	56 140 180	70 90 110 140
317.44	4.4	2800	1.29	W2	80 90 100	140 180	90 110 140
286.71	4.9	2560	1.31	W2	63 71 80 90 100	56 140 180	70 90 110 140
285.70	4.9	2800	1.44	W2	80 90 100	140 180	90 110 140
254.33	5.5	2270	1.31	W2	63 71 80 90 100	56 140 180	70 90 110 140

Motoreduktory Walcowe z Wałem Drążonym F

i	n2 [1/min] n1=1400	T2max [Nm]	P1max [kW]	-W	Przyłącze silnikowe -M IEC	Przyłącze silnikowe -M NEMA	Przyłącze silnikowe -M S
F63							
242.53	5.8	2800	1.69	W2	80 90	140	90 110
218.27	6.4	2800	1.88	W3	80 90 100	140 180	90 110 140
197.90	7.1	2800	2.08	W3	80 90 100 112	140 180	90 110 140
180.55	7.8	2800	2.28	W3	80 90 100 112	140 180	90 110 140
166.08	8.4	2800	2.47	W3	80 90 100 112	140 180	90 110 140
149.88	9.3	2800	2.74	W3	80 90 100 112	140 180	90 110 140
136.08	10	2800	3.02	W3	80 90 100 112 132	140 180 210	90 110 140 190
125.81	11	2800	3.27	W3	80 90 100 112 132	140 180 210	90 110 140 190
113.33	12	2800	3.63	W3	80 90 100 112 132	140 180 210	90 110 140 190
101.56	14	2800	4.05	W3	80 90 100 112 132 160	140 180 210 250	90 110 140 190
90.95	15	2800	4.52	W4	80 90 100 112 132 160	140 180 210 250	90 110 140 190
81.85	17	2800	5.0	W4	100 112 132 160	180 210 250	140 190
71.41	20	2800	5.8	W4	132 160	210 250	190
63.98	22	2800	6.4	W4	132 160	210 250	190
56.75	25	2800	7.2	W4	132 160	210 250	190
49.31	28	2800	8.3	W4	80 90 100 112 132 160	140 180 210 250	90 110 140 190
44.16	32	2800	9.3	W5	80 90 100 112 132 160 180	140 180 210 250 280	90 110 140 190
39.74	35	2800	10.3	W5	100 112 132 160 180	180 210 250 280	140 190
34.67	40	2800	11.9	W5	132 160 180	210 250 280	190
31.06	45	2780	13.1	W5	132 160 180	210 250 280	190
27.56	51	2590	13.8	W5	132 160 180	210 250 280	190
24.21	58	2390	14.5	W5	132 160 180	210 250 280	190
F62							
34.05	41	2550	11.0	W4	80 90 100 112 132	140 180 210	90 110 140 190
31.05	45	2520	11.9	W4	80 90 100 112 132	140 180 210	90 110 140 190
28.80	49	2800	14.3	W4	80 90 100 112 132	140 180 210	90 110 140 190
26.09	54	2800	15.7	W5	80 90 100 112 132 160	140 180 210 250	90 110 140 190
23.73	59	2800	17.3	W5	80 90 100 112 132 160	140 180 210 250	90 110 140 190
21.42	65	2800	19.2	W5	80 90 100 112 132 160 180	140 180 210 250 280	90 110 140 190
19.43	72	2760	20.8	W5	100 112 132 160 180	180 210 250 280	140 190
16.83	83	2650	22.0	W5	132 160 180	210 250 280	190
15.23	92	2580	22.0	W5	132 160 180	210 250 280	190
13.82	101	2510	22.0	W5	132 160 180	210 250 280	190
12.33	114	2430	22.0	W5	132 160 180	210 250 280	190
10.45	134	2320	22.0	W5	132 160 180	210 250 280	190
8.92	157	2220	22.0	W5	160 180	250 280	
7.70	182	1770	22.0	W5	132 160 180	210 250 280	190
6.97	201	1730	22.0	W5	132 160 180	210 250 280	190
6.33	221	2000	22.0	W5	132 160 180	210 250 280	190
5.64	248	1890	22.0	W5	132 160 180	210 250 280	190
4.78	293	1740	22.0	W5	132 160 180	210 250 280	190
4.08	343	1590	22.0	W5	160 180	250 280	

Motoreduktory Walcowe z Wałem Drążonym F

i	n2 [1/min] n1=1400	T2max [Nm]	P1max [kW]	-W	Przyłącze silnikowe -M IEC	Przyłącze silnikowe -M NEMA	Przyłącze silnikowe -M S
F73G33							
21379	0.065	4880	<0.05	W1	63 71	56	70
18354	0.076	4880	<0.05	W1	63 71	56	70
15966	0.088	4880	<0.05	W1	63 71	56	70
14033	0.100	4880	0.05	W1	63 71	56	70
12436	0.11	4880	0.06	W1	63 71	56	70
11094	0.13	4880	0.06	W1	63 71	56	70
9951.3	0.14	4880	0.07	W1	63 71	56	70
9044.1	0.15	4880	0.08	W1	63 71	56	70
7973.9	0.18	4880	0.09	W1	63 71	56	70
7062.2	0.20	4880	0.10	W1	63 71	56	70
6407.0	0.22	4880	0.11	W1	63 71	56	70
5500.4	0.25	4880	0.13	W2			
4929.5	0.28	4880	0.15	W1	63 71	56	70
4421.8	0.32	4880	0.16	W1	63 71	56	70
4018.7	0.35	4880	0.18	W1	63 71	56	70
3543.1	0.40	4880	0.20	W1	63 71 80	56 140	70 90
F73G32							
3095.5	0.45	4880	0.23	W1	63 71 80	56 140	70 90
2764.2	0.51	4880	0.26	W1	63 71 80	56 140	70 90
2485.9	0.56	4880	0.29	W1	63 71 80	56 140	70 90
2248.8	0.62	4880	0.32	W1	63 71 80	56 140	70 90
2049.8	0.68	4880	0.35	W1	63 71 80	56 140	70 90
1828.7	0.77	4880	0.39	W1	63 71 80 90	56 140	70 90 110
1640.3	0.85	4880	0.44	W1	63 71 80 90	56 140	70 90 110
1488.1	0.94	4880	0.48	W1	63 71 80 90	56 140	70 90 110
1289.1	1.1	4880	0.55	W1	63 71 80 90	56 140	70 90 110
1166.4	1.2	4880	0.61	W2	63 71 80 90	56 140	70 90 110
1058.9	1.3	4880	0.68	W2	63 71 80 90	56 140	70 90 110
944.12	1.5	4880	0.76	W2	63 71 80 90 100	56 140 180	70 90 110 140
892.92	1.6	4880	0.80	W3	100	180	140
798.88	1.8	4880	0.89	W2	80 90 100	140 180	90 110 140
789.28	1.8	4880	0.91	W2	63 71 80 90 100	56 140 180	70 90 110 140
716.08	2.0	4880	1.00	W2	80 90 100	140 180	90 110 140
716.05	2.0	4880	1.00	W2	63 71 80 90 100	56 140 180	70 90 110 140
634.55	2.2	4880	1.13	W2	80 90 100	140 180	90 110 140
620.27	2.3	4880	1.15	W2	63 71 80 90 100	56 140 180	70 90 110 140
561.22	2.5	4880	1.27	W2	63 71 80 90 100	56 140 180	70 90 110 140
558.54	2.5	4880	1.28	W2	80 90 100	140 180	90 110 140
509.49	2.7	4880	1.40	W2	63 71 80 90 100	56 140 180	70 90 110 140
489.14	2.9	4880	1.46	W2	80 90 100	140 180	90 110 140
454.28	3.1	4880	1.57	W2	63 71 80 90 100 112	56 140 180	70 90 110 140
443.76	3.2	4880	1.61	W2	80 90 100 112	140 180	90 110 140
385.26	3.6	4880	1.86	W3	63 71 80 90 100 112	56 140 180	70 90 110 140
384.40	3.6	4880	1.86	W3	80 90 100 112	140 180	90 110 140
347.80	4.0	4880	2.06	W3	80 90 100 112	140 180	90 110 140

Motoreduktory Walcowe z Wałem Drążonym F

i	n2 [1/min] n1=1400	T2max [Nm]	P1max [kW]	-W	Przyłącze silnikowe -M IEC	Przyłącze silnikowe -M NEMA	Przyłącze silnikowe -M S
F73G32							
315.75	4.4	4880	2.26	W3	80 90 100 112	140 180	90 110 140
281.53	5.0	4880	2.54	W3	80 90 100 112	140 180	90 110 140
238.76	5.9	4880	2.99	W3	80 90 100 112	140 180	90 110 140
F73							
274.23	5.1	4880	2.61	W3	100	180	140
249.41	5.6	4880	2.87	W3	100 112	180	140
228.27	6.1	4880	3.13	W3	100 112	180	140
211.55	6.6	4880	3.38	W3	100 112	180	140
191.74	7.3	4880	3.73	W3	100 112 132	180 210	140 190
174.87	8.0	4880	4.09	W3	100 112 132	180 210	140 190
162.19	8.6	4880	4.41	W4	100 112 132	180 210	140 190
146.94	9.5	4880	4.87	W4	100 112 132 160	180 210 250	140 190
133.66	10	4880	5.3	W4	100 112 132 160	180 210 250	140 190
120.60	12	4880	5.9	W4	100 112 132 160	180 210 250	140 190
109.41	13	4880	6.5	W4	100 112 132 160	180 210 250	140 190
94.78	15	4880	7.5	W4	132 160 180	210 250 280	190
85.76	16	4880	8.3	W4	132 160 180	210 250 280	190
77.85	18	4880	9.2	W5	132 160 180	210 250 280	190
69.41	20	4880	10.3	W5	132 160 180	210 250 280	190
58.87	24	4880	12.1	W5	132 160 180	210 250 280	190
51.81	27	4880	13.8	W5	100 112 132 160 180	180 210 250 280	140 190
44.88	31	4880	15.9	W5	132 160 180	210 250 280	190
40.61	34	4880	17.6	W5	132 160 180	210 250 280	190
36.86	38	4880	19.4	W5	132 160 180	210 250 280	190
32.87	43	4850	21.6	W5	132 160 180	210 250 280	190
27.88	50	4610	24.2	W5	132 160 180	210 250 280	190
23.79	59	4400	27.1	W5	160 180	250 280	
F72							
28.53	49	4430	22.8	W5	100 112 132 160	180 210 250	140 190
25.85	54	4300	24.4	W5	100 112 132 160 180	180 210 250 280	140 190
23.54	59	4190	26.1	W5	100 112 132 160 180	180 210 250 280	140 190
20.62	68	4030	28.6	W5	132 160 180	210 250 280	190
18.76	75	3920	30.0	W5	132 160 180	210 250 280	190
16.90	83	3810	30.0	W5	132 160 180	210 250 280	190
15.17	92	3690	30.0	W5	132 160 180	210 250 280	190
13.01	108	3530	30.0	W5	132 160 180	210 250 280	190
11.25	124	3390	30.0	W5	160 180	250 280	
9.78	143	3260	30.0	W5	160 180	250 280	
9.11	154	2430	30.0	W5	132 160 180	210 250 280	190
8.29	169	2380	30.0	W5	132 160 180	210 250 280	190
7.46	188	3180	30.0	W5	132 160 180	210 250 280	190
6.70	209	3090	30.0	W5	132 160 180	210 250 280	190
5.75	244	2870	30.0	W5	132 160 180	210 250 280	190
4.97	282	2660	30.0	W5	160 180	250 280	
4.32	324	2470	30.0	W5	160 180	250 280	

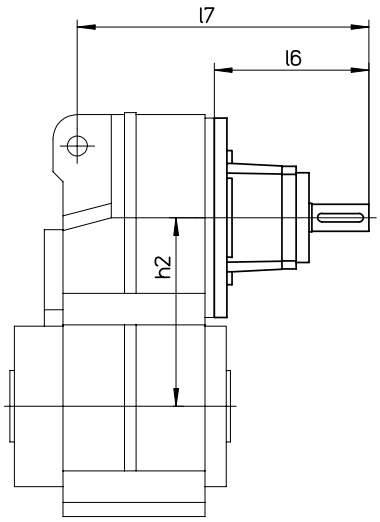


Fig. 1

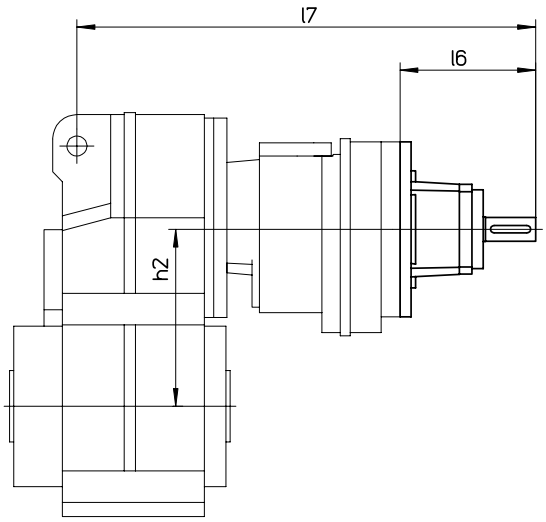


Fig. 2

Typ	Fig.	h2	l6	l7
F3_ -W1	1	132	75.5	171
F3_ -W2	1	132	108.5	204
F3_ -W3	1	132	153.5	249
F33G1_ -W1	2	127	78.5	297
F33G1_ -W2	2	127	113.5	332
F4_ -W1	1	159	75	186
F4_ -W2	1	159	110	221
F4_ -W3	1	159	154	265
F4_ -W4	1	159	192.5	303.5
F43G1_ -W1	2	154	78.5	312.5
F43G1_ -W2	2	154	113.5	347.5
F5_ -W1	1	196	71.5	201.5
F5_ -W2	1	196	106.5	236.5
F5_ -W3	1	196	149.5	279.5
F5_ -W4	1	196	189	319
F53G2_ -W1	2	185	75.5	350.5
F53G2_ -W2	2	185	108.5	383.5
F53G2_ -W3	2	185	153.5	428.5

Typ	Fig.	h2	l6	l7
F6_ -W2	1	234	101.5	101.5
F6_ -W3	1	234	146	146
F6_ -W4	1	234	185.5	185.5
F6_ -W5	1	234	243.5	243.5
F63G2_ -W1	2	223	75.5	220.5
F63G2_ -W2	2	223	108.5	253.5
F63G2_ -W3	2	223	153.5	298.5
F7_ -W3	1	273	139	139
F7_ -W4	1	273	178.5	178.5
F7_ -W5	1	273	237.5	237.5
F73G3_ -W1	2	262	75	249
F73G3_ -W2	2	262	110	284
F73G3_ -W3	2	262	154	328
F73G3_ -W4	2	262	192.5	366.5

Motoreduktory Walcowe z Wałem Drążonym F z przyłączem do silników IEC

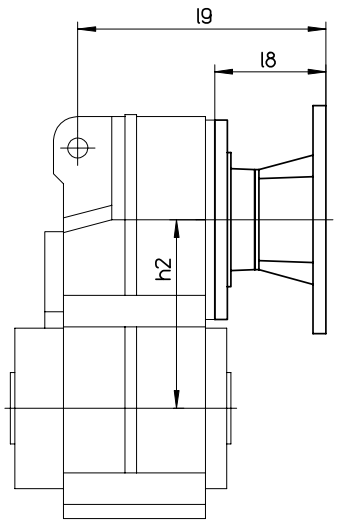


Fig. 1

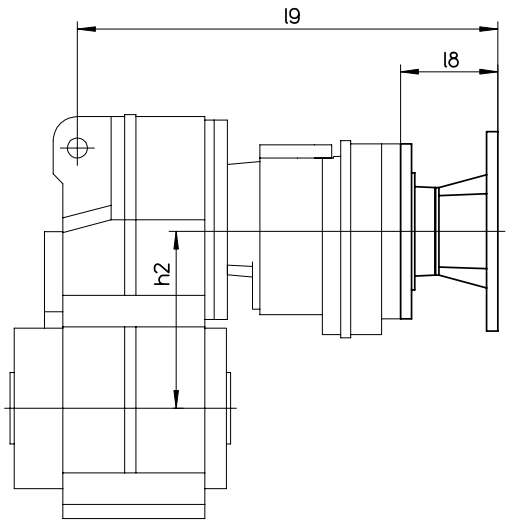


Fig. 2

Typ	Fig.	h2	l8	l9
F3_ -M IEC63	1	132	71	166.5
F3_ -M IEC71	1	132	78	173.5
F3_ -M IEC80	1	132	113	208.5
F3_ -M IEC90	1	132	123	218.5
F3_ -M IEC100	1	132	156.5	252
F3_ -M IEC112	1	132	156.5	252
F33G1_ -M IEC63	2	127	74	292.5
F33G1_ -M IEC71	2	127	81	299.5
F33G1_ -M IEC80	2	127	118	336.5
F4_ -M IEC63	1	159	70.5	181.5
F4_ -M IEC71	1	159	77.5	188.5
F4_ -M IEC80	1	159	114.5	225.5
F4_ -M IEC90	1	159	124.5	235.5
F4_ -M IEC100	1	159	157	268
F4_ -M IEC112	1	159	157	268
F4_ -M IEC132	1	159	196	307
F43G1_ -M IEC63	2	154	74	308
F43G1_ -M IEC71	2	154	81	315
F43G1_ -M IEC80	2	154	118	352
F43G1_ -M IEC90	2	154	128	362
F5_ -M IEC63	1	196	67	197
F5_ -M IEC71	1	196	74	204
F5_ -M IEC80	1	196	111	241
F5_ -M IEC90	1	196	121	251
F5_ -M IEC100	1	196	152.5	282.5
F5_ -M IEC112	1	196	152.5	282.5
F5_ -M IEC132	1	196	192.5	322.5

Typ	Fig.	h2	l8	l9
F53G2_ -M IEC63	2	185	71	346
F53G2_ -M IEC71	2	185	78	353
F53G2_ -M IEC80	2	185	113	388
F53G2_ -M IEC90	2	185	123	398
F53G2_ -M IEC100	2	185	156.5	431.5
F6_ -M IEC80	1	234	106	106
F6_ -M IEC90	1	234	116	116
F6_ -M IEC100	1	234	149	149
F6_ -M IEC112	1	234	149	149
F6_ -M IEC132	1	234	189	189
F6_ -M IEC160	1	234	249	249
F6_ -M IEC180	1	234	249	249
F63G2_ -M IEC63	2	223	71	216
F63G2_ -M IEC71	2	223	78	223
F63G2_ -M IEC80	2	223	113	258
F63G2_ -M IEC90	2	223	123	268
F63G2_ -M IEC100	2	223	156.5	301.5
F7_ -M IEC100	1	273	142	142
F7_ -M IEC112	1	273	142	142
F7_ -M IEC132	1	273	182	182
F7_ -M IEC160	1	273	243	243
F7_ -M IEC180	1	273	243	243
F73G3_ -M IEC63	2	262	70.5	244.5
F73G3_ -M IEC71	2	262	77.5	251.5
F73G3_ -M IEC80	2	262	114.5	288.5
F73G3_ -M IEC90	2	262	124.5	298.5
F73G3_ -M IEC100	2	262	157	331
F73G3_ -M IEC112	2	262	157	331

Motoreduktory Walcowe z Wałem Drążonym F z przyłączem do silników NEMA

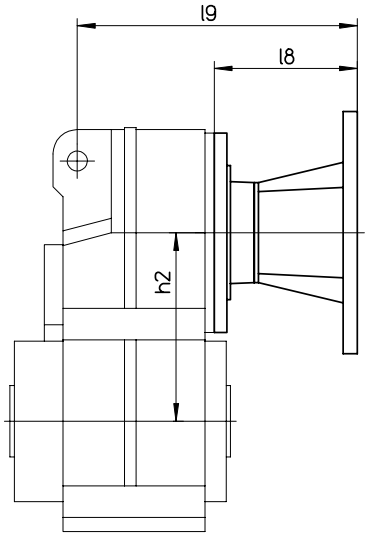


Fig. 1

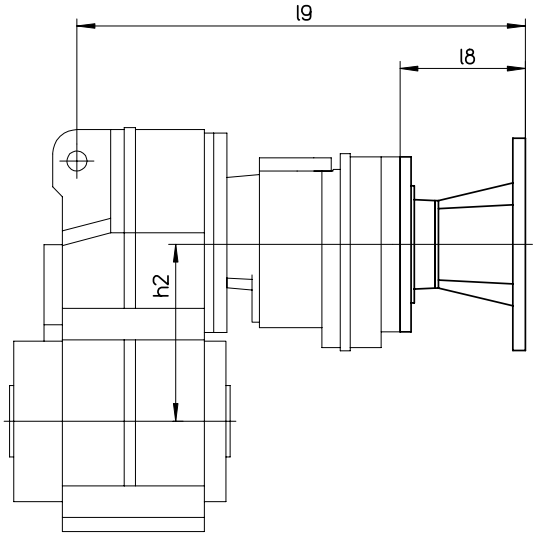


Fig. 2

Typ	Fig.	h2	l8	l9
F3_ -M NEMA56	1	132	100	195.5
F3_ -M NEMA140	1	132	127	222.5
F3_ -M NEMA180	1	132	163	258.5
F33G1_ -M NEMA56	2	127	103	321.5
F33G1_ -M NEMA140	2	127	132	350.5
F4_ -M NEMA56	1	159	99.5	210.5
F4_ -M NEMA140	1	159	128.5	239.5
F4_ -M NEMA180	1	159	163.5	274.5
F4_ -M NEMA210	1	159	195.5	306.5
F43G1_ -M NEMA56	2	154	103	337
F43G1_ -M NEMA140	2	154	132	366
F5_ -M NEMA56	1	196	96	226
F5_ -M NEMA140	1	196	125	255
F5_ -M NEMA180	1	196	159	289
F5_ -M NEMA210	1	196	192	322
F53G2_ -M NEMA56	2	185	100	375
F53G2_ -M NEMA140	2	185	127	402
F53G2_ -M NEMA180	2	185	163	438

Typ	Fig.	h2	l8	l9
F6_ -M NEMA140	1	234	120	120
F6_ -M NEMA180	1	234	155.5	155.5
F6_ -M NEMA210	1	234	188.5	188.5
F6_ -M NEMA250	1	234	234.5	234.5
F6_ -M NEMA280	1	234	250.5	250.5
F63G2_ -M NEMA56	2	223	100	245
F63G2_ -M NEMA140	2	223	127	272
F63G2_ -M NEMA180	2	223	163	308
F7_ -M NEMA180	1	273	148.5	148.5
F7_ -M NEMA210	1	273	181.5	181.5
F7_ -M NEMA250	1	273	228.5	228.5
F7_ -M NEMA280	1	273	244.5	244.5
F73G3_ -M NEMA56	2	262	99.5	273.5
F73G3_ -M NEMA140	2	262	128.5	302.5
F73G3_ -M NEMA180	2	262	163.5	337.5

Motoreduktory Walcowe z Wałem Drążonym F z przyłączem do serwomotorów

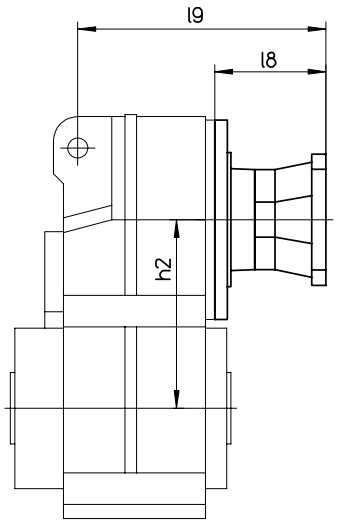


Fig. 1

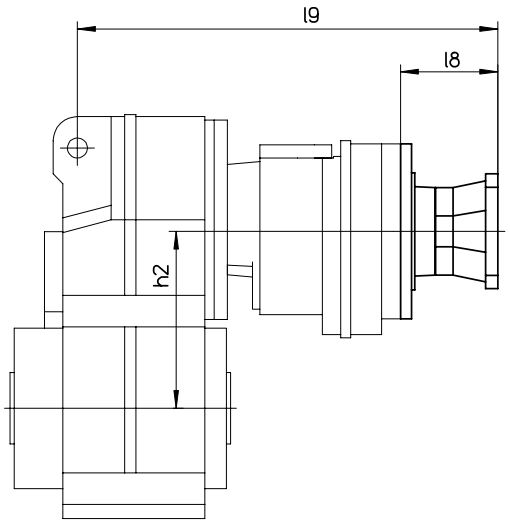
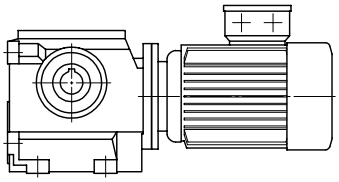


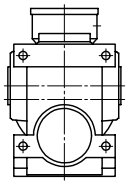
Fig. 2

Typ	Fig.	h2	l8	l9
F3_ -M S70/1	1	132	71	166.5
F3_ -M S90/1	1	132	103	198.5
F3_ -M S110/1	1	132	113	208.5
F3_ -M S140/1	1	132	146.5	242
F33G1_ -M S70/1	2	127	74	292.5
F33G1_ -M S90/1	2	127	108	326.5
F4_ -M S70/1	1	159	70.5	181.5
F4_ -M S90/1	1	159	104.5	215.5
F4_ -M S110/1	1	159	114.5	225.5
F4_ -M S140/1	1	159	147	258
F4_ -M S190/1	1	159	174	285
F43G1_ -M S70/1	2	154	74	308
F43G1_ -M S90/1	2	154	108	342
F43G1_ -M S110/1	2	154	118	352
F5_ -M S70/1	1	196	67	197
F5_ -M S90/1	1	196	101	231
F5_ -M S110/1	1	196	111	241
F5_ -M S140/1	1	196	142.5	272.5
F5_ -M S190/1	1	196	170.5	300.5
F53G2_ -M S70/1	2	185	71	346
F53G2_ -M S90/1	2	185	103	378
F53G2_ -M S110/1	2	185	113	388
F53G2_ -M S140/1	2	185	146.5	421.5

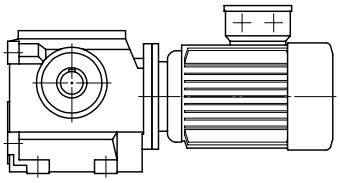
Typ	Fig.	h2	l8	l9
F6_ -M S90/1	1	234	96	96
F6_ -M S110/1	1	234	106	106
F6_ -M S140/1	1	234	139	139
F6_ -M S190/1	1	234	167	167
F63G2_ -M S70/1	2	223	71	216
F63G2_ -M S90/1	2	223	103	248
F63G2_ -M S110/1	2	223	113	258
F63G2_ -M S140/1	2	223	146.5	291.5
F7_ -MS140/1	1	273	132	132
F7_ -M S190/1	1	273	160	160
F73G3_ -M S70/1	2	262	70.5	244.5
F73G3_ -M S90/1	2	262	104.5	278.5
F73G3_ -M S110/1	2	262	114.5	288.5
F73G3_ -M S140/1	2	262	147	321

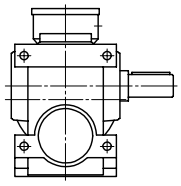
Motoreduktory Walcowo - Ślimakowe S



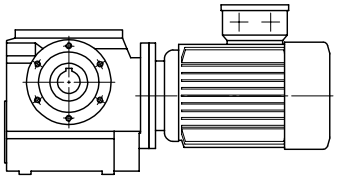


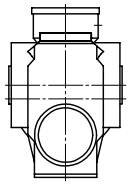
Wykonanie na łapach
z wałem drążonym i rowkiem wpustowym
Przykład: S32**A** DL90L4





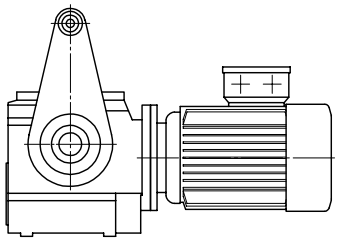
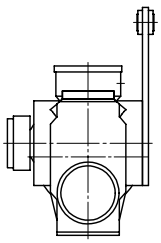
Wykonanie na łapach
z wałem wyjściowym pełnym i wpustem
Przykład: S12**AV** DL80G4



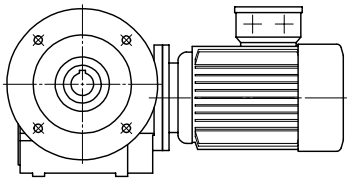
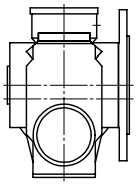


Wykonanie z wałem drążonym
z wałem drążonym i rowkiem wpustowym
Przykład: S22**B** DL100L4

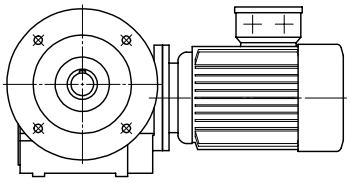
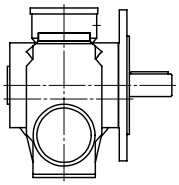
Motoreduktory Walcowo - Ślimakowe S

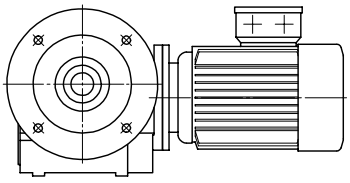
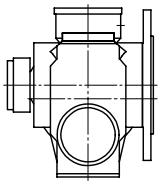
Wykonanie z wałem drążonym
z wałem drążonym i pierścieniem zaciskowym
z drążkiem reakcyjnym T1
Przykład: S22**BT1S** DL80K4

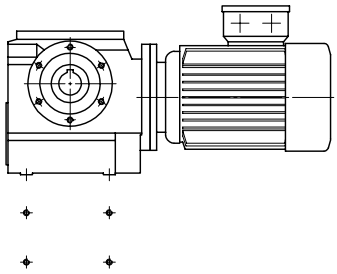
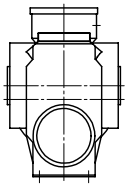
Wykonanie z dużym kołnierzem
z wałem drążonym i rowkiem wpustowym
Przykład: S22**C** DL90S4

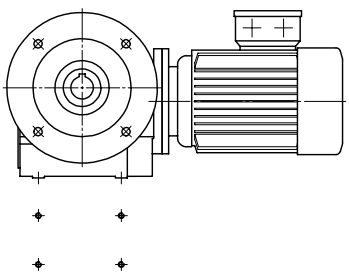
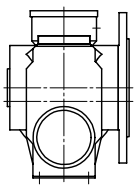
Wykonanie z dużym kołnierzem
z wałem wyjściowym pełnym i wpustem
Przykład: S12**CV** DL71G4

Wykonanie z dużym kołnierzem
z wałem drążonym i pierścieniem zaciskowym
Przykład: S32**CS** DL100LX4

Wersja nasadowa + powierzchnia z łapami
z wałem drążonym i rowkiem wpustowym
Przykład: S22**D** DL80G4

Wersja kołnierzowa + powierzchnia z łapami
z wałem drążonym i rowkiem wpustowym
Przykład: S32**E** DL90S4

n2 [1/min]	T2 [Nm]	cG	i	Typ	Wymiary Strona	~kg
0.12 kW						
0.29	1860	0.80	4856.2	**S42G23A DL63K4**	132/133	50
0.33	1660	0.90	4305.3	**S42G23B DL63K4**		50
				S42G23C DL63K4		54
0.36	1530	1.00	3878.1	**S42G22A DL63K4**	132/133	50
0.42	1320	1.15	3329.4	**S42G22B DL63K4**		50
0.49	1150	1.30	2896.2	**S42G22C DL63K4**		54
0.55	1020	1.50	2545.5			
0.63	910	1.65	2255.8			
0.70	815	1.85	2012.4			
0.78	735	2.0	1805.1			
0.86	670	2.2	1640.6			
0.97	600	2.5	1446.4			
1.1	535	2.8	1281.1			
1.2	485	3.1	1156.1			
1.3	450	3.3	1064.2			
1.5	400	3.7	934.35			
1.7	365	4.0	838.10			
0.69	820	0.80	2040.8	**S32G12A DL63K4**	131/133	32
0.78	735	0.90	1818.3	**S32G12B DL63K4**		32
0.86	665	1.00	1632.3	**S32G12C DL63K4**		34
0.99	585	1.10	1424.7			
1.1	515	1.25	1247.9			
1.2	480	1.35	1146.9			
1.4	425	1.55	1010.5			
1.6	380	1.70	895.82			
1.8	345	1.90	798.16			
2.0	315	2.1	716.51			
2.3	280	2.3	625.38			
2.6	250	2.6	547.76			
2.9	225	2.8	492.61			
3.2	210	3.0	445.64			
3.5	194	3.2	406.20			
3.9	175	3.6	362.38			
4.3	158	3.9	325.05			
1.5	385	0.85	925.37	**S22G12A DL63K4**	130/133	21
1.7	360	0.95	850.54	**S22G12B DL63K4**		21
1.9	320	1.05	749.33	**S22G12C DL63K4**		23
2.1	285	1.15	664.32			
2.4	260	1.30	591.90			
2.7	235	1.40	531.34			
3.0	210	1.55	463.77			
3.5	187	1.75	406.20			
3.9	169	1.90	362.38			
4.3	153	2.1	325.05			
4.8	140	2.3	295.42			
5.4	125	2.5	260.46			
6.1	113	2.8	230.68			
6.8	102	3.1	206.44			
7.8	91	3.4	179.67			
2.5	220	0.85	561.65	**S12G02A DL63K4**	129/133	16
2.9	197	0.90	490.22	**S12G02B DL63K4**		16
3.3	177	1.00	429.37	**S12G02C DL63K4**		17
3.8	159	1.15	375.31			
4.3	141	1.25	330.65			
4.8	127	1.40	293.14			
5.4	114	1.55	261.18			
6.0	104	1.70	234.46			
6.9	92	1.90	204.64			
7.9	83	2.1	179.24			

n2 [1/min]	T2 [Nm]	cG	i	Typ	Wymiary Strona	~kg
0.12 kW						
8.4	78	2.2	168.00	**S12A DL63K4**	129	12
9.8	69	2.4	143.53	**S12B DL63K4**		12
11	61	2.7	124.21	**S12C DL63K4**		13
13	55	3.0	108.57			
15	49	3.3	95.65			
17	44	3.5	84.80			
19	40	3.8	75.56			
7.5	73	0.80	189.00	**S02A DL63K4**	128	9
8.8	63	0.90	159.35	**S02B DL63K4**		9
10	55	1.05	135.95	**S02C DL63K4**		10
12	49	1.15	117.00			
14	43	1.25	101.35			
16	39	1.35	88.20			
18	35	1.50	77.00			
20	38	1.80	69.00			
24	33	2.0	58.18			
28	29	2.3	49.63			
33	25	2.6	42.71			
38	22	2.8	37.00			
44	19	3.1	32.20			
50	17	3.4	28.11			
56	17	3.7	25.00			
67	14	4.2	21.08			
78	12	4.7	17.98			
91	11	5.3	15.48			
105	9.4	5.8	13.41			
113	9.1	7.3	12.50			
121	8.3	6.4	11.67			
134	7.7	8.4	10.54			
138	7.2	7.1	10.19			
157	6.7	9.4	8.99			
182	5.8	11	7.74			
210	5.0	12	6.70			
242	4.4	13	5.83			
277	3.8	14	5.09			
0.18 kW						
0.49	1730	0.90	2896.2	**S42G22A DL63G4**	132/133	50
0.55	1530	1.00	2545.5	**S42G22B DL63G4**		50
0.63	1360	1.10	2255.8	**S42G22C DL63G4**		54
0.70	1220	1.25	2012.4			
0.78	1100	1.35	1805.1			
0.86	1010	1.50	1640.6			
0.97	895	1.65	1446.4			
1.1	800	1.85	1281.1			
1.2	730	2.0	1156.1			
1.3	680	2.2	1064.2			
1.5	605	2.5	934.35			
1.7	550	2.7	838.10			
1.9	505	2.9	761.70			
2.1	450	3.2	671.56			
2.4	410	3.6	594.78			
2.6	375	3.8	536.78			

n2 [1/min]	T2 [Nm]	cG	i	Typ	Wymiary Strona	~kg
0.18 kW						
1.1	775	0.85	1247.9	**S32G12A DL63G4**	131/133	32
1.2	715	0.90	1146.9	**S32G12B DL63G4**		32
1.4	640	1.00	1010.5	**S32G12C DL63G4**		34
1.6	570	1.15	895.82			
1.8	515	1.25	798.16			
2.0	470	1.35	716.51			
2.3	415	1.55	625.38			
2.6	370	1.70	547.76			
2.9	340	1.85	492.61			
3.2	315	2.0	445.64			
3.5	290	2.2	406.20			
3.9	260	2.4	362.38			
4.3	235	2.6	325.05			
4.8	215	2.8	294.91			
5.4	195	3.1	261.33			
6.1	174	3.5	230.03			
5.2	200	3.0	271.60	**S32A DL63G4**	131	27
6.0	177	3.4	234.71	**S32B DL63G4**		27
6.9	158	3.8	205.58	**S32C DL63G4**		29
2.4	390	0.85	591.90	**S22G12A DL63G4**	130/133	21
2.7	355	0.95	531.34	**S22G12B DL63G4**		21
3.0	315	1.05	463.77	**S22G12C DL63G4**		23
3.5	280	1.15	406.20			
3.9	255	1.30	362.38			
4.3	230	1.40	325.05			
4.8	210	1.55	295.42			
5.4	188	1.70	260.46			
6.1	169	1.90	230.68			
6.8	153	2.1	206.44			
7.8	136	2.3	179.67			
6.8	154	2.0	207.20	**S22A DL63G4**	130	17
7.9	135	2.3	177.88	**S22B DL63G4**		17
9.1	120	2.5	154.74	**S22C DL63G4**		19
10	108	2.8	136.00			
12	98	3.0	120.52			
4.3	210	0.85	330.65	**S12G02A DL63G4**	129/133	16
4.8	190	0.95	293.14	**S12G02B DL63G4**		16
5.4	172	1.05	261.18	**S12G02C DL63G4**		17
6.0	156	1.15	234.46			
6.9	139	1.25	204.64			
7.9	124	1.40	179.24			
8.4	117	1.45	168.00	**S12A DL63G4**	129	12
9.8	103	1.65	143.53	**S12B DL63G4**		12
11	92	1.80	124.21	**S12C DL63G4**		13
13	82	1.95	108.57			
15	74	2.2	95.65			
17	66	2.4	84.80			
19	60	2.6	75.56			
21	55	2.8	67.83			
23	57	2.9	60.90			
24	49	3.0	59.20			
27	49	3.3	52.03			
27	43	3.3	51.85			
31	43	3.7	45.03			

n2 [1/min]	T2 [Nm]	cG	i	Typ	Wymiary Strona	~kg
0.18 kW						
14	65	0.85	101.35	**S02A DL63G4**	128	9
16	58	0.90	88.20	**S02B DL63G4**		9
18	52	1.00	77.00	**S02C DL63G4**		10
20	57	1.20	69.00			
24	49	1.35	58.18			
28	43	1.55	49.63			
33	38	1.70	42.71			
38	33	1.90	37.00			
44	29	2.1	32.20			
50	26	2.3	28.11			
56	25	2.5	25.00			
67	22	2.8	21.08			
78	19	3.2	17.98			
91	16	3.5	15.48			
105	14	3.9	13.41			
113	14	4.9	12.50			
121	12	4.3	11.67			
134	12	5.6	10.54			
138	11	4.7	10.19			
157	10	6.3	8.99			
182	8.7	7.0	7.74			
210	7.5	7.8	6.70			
242	6.5	8.7	5.83			
277	5.7	9.6	5.09			
0.25 kW						
0.61	1920	0.80	2255.8	**S42G22A DL71K4**	132/133	50
0.69	1730	0.85	2012.4	**S42G22B DL71K4**		50
0.77	1560	0.95	1805.1	**S42G22C DL71K4**		54
0.84	1420	1.05	1640.6			
0.96	1270	1.20	1446.4			
1.1	1130	1.30	1281.1			
1.2	1030	1.45	1156.1			
1.3	955	1.55	1064.2			
1.5	850	1.75	934.35			
1.7	775	1.90	838.10			
1.8	710	2.1	761.70			
2.1	640	2.3	671.56			
2.3	575	2.5	594.78			
2.6	530	2.7	536.78			
2.8	495	2.9	494.08			
3.1	450	3.2	441.60			
3.5	410	3.4	392.13			
4.0	370	3.8	347.49			
1.5	810	0.80	895.82	**S32G12A DL71K4**	131/133	32
1.7	730	0.90	798.16	**S32G12B DL71K4**		32
1.9	660	0.95	716.51	**S32G12C DL71K4**		34
2.2	590	1.10	625.38			
2.5	525	1.20	547.76			
2.8	480	1.30	492.61			
3.1	440	1.45	445.64			
3.4	410	1.55	406.20			
3.8	370	1.70	362.38			
4.3	335	1.85	325.05			
4.7	305	2.0	294.91			
5.3	275	2.2	261.33			
6.0	245	2.5	230.03			

n2 [1/min]	T2 [Nm]	cG	i	Typ	Wymiary Strona	~kg
0.25 kW						
5.1	285	2.1	271.60	**S32A DL71K4**	131	27
5.9	250	2.4	234.71	**S32B DL71K4**		27
6.7	225	2.7	205.58	**S32C DL71K4**		29
7.6	200	2.9	182.00			
8.5	182	3.2	162.52			
9.5	167	3.4	146.16			
10	153	3.7	132.22			
11	142	3.9	120.52			
3.4	395	0.80	406.20	**S22G12A DL71K4**	130/133	21
3.8	360	0.90	362.38	**S22G12B DL71K4**		21
4.3	325	1.00	325.05	**S22G12C DL71K4**		23
4.7	295	1.10	295.42			
5.3	265	1.20	260.46			
6.0	240	1.35	230.68			
6.7	215	1.45	206.44			
7.7	192	1.60	179.67			
6.7	215	1.45	207.20	**S22A DL71K4**	130	17
7.8	190	1.65	177.88	**S22B DL71K4**		17
9.0	169	1.80	154.74	**S22C DL71K4**		19
10	152	2.00	136.00			
11	138	2.2	120.52			
13	125	2.3	107.52			
14	113	2.5	96.44			
16	104	2.7	87.65			
18	93	3.0	77.28			
5.9	220	0.80	234.46	**S12G02A DL71K4**	129/133	16
6.8	196	0.90	204.64	**S12G02B DL71K4**		16
7.7	175	1.00	179.24	**S12G02C DL71K4**		17
8.2	165	1.05	168.00	**S12A DL71K4**	129	12
9.6	145	1.15	143.53	**S12B DL71K4**		12
11	129	1.30	124.21	**S12C DL71K4**		13
13	116	1.40	108.57			
14	104	1.55	95.65			
16	93	1.70	84.80			
18	84	1.80	75.56			
20	77	1.95	67.83			
23	80	2.1	60.90			
23	69	2.1	59.20			
27	69	2.4	52.03			
27	61	2.3	51.85			
31	61	2.6	45.03			
35	54	2.9	39.36			
40	48	3.2	34.67			
45	43	3.5	30.74			
51	39	3.8	27.39			

n2 [1/min]	T2 [Nm]	cG	i	Typ	Wymiary Strona	~kg
0.25 kW						
20	81	0.85	69.00	**S02A DL71K4**	128	9
24	70	0.95	58.18	**S02B DL71K4**		9
28	60	1.10	49.63	**S02C DL71K4**		10
32	53	1.20	42.71			
37	46	1.35	37.00			
43	41	1.45	32.20			
49	36	1.60	28.11			
55	36	1.75	25.00			
66	31	2.00	21.08			
77	26	2.2	17.98			
89	23	2.5	15.48			
103	20	2.8	13.41			
111	19	3.5	12.50			
119	17	3.0	11.67			
131	16	4.0	10.54			
136	15	3.4	10.19			
154	14	4.5	8.99			
179	12	5.0	7.74			
207	11	5.6	6.70			
237	9.3	6.2	5.83			
272	8.1	6.8	5.09			
0.37 kW						
0.95	1880	0.80	1446.4	**S42G22A DL71G4**	132/133	51
1.1	1680	0.90	1281.1	**S42G22B DL71G4**		51
1.2	1530	0.95	1156.1	**S42G22C DL71G4**		55
1.3	1420	1.05	1064.2			
1.5	1260	1.15	934.35			
1.6	1150	1.30	838.10			
1.8	1060	1.40	761.70			
2.1	945	1.55	671.56			
2.3	855	1.70	594.78			
2.6	785	1.85	536.78			
2.8	735	1.95	494.08			
3.1	670	2.1	441.60			
3.5	610	2.3	392.13			
4.0	545	2.6	347.49			
4.5	490	2.8	309.22			
5.2	425	3.2	264.91			
5.6	400	3.4	247.58	**S42A DL71G4**	132	45
6.3	360	3.7	220.00	**S42B DL71G4**		45
7.0	330	4.0	197.22	**S42C DL71G4**		49
2.5	780	0.80	547.76	**S32G12A DL71G4**	131/133	33
2.8	710	0.90	492.61	**S32G12B DL71G4**		33
3.1	655	0.95	445.64	**S32G12C DL71G4**		35
3.4	610	1.05	406.20			
3.8	550	1.15	362.38			
4.2	500	1.25	325.05			
4.7	455	1.35	294.91			
5.3	410	1.50	261.33			
6.0	365	1.65	230.03			

n2 [1/min]	T2 [Nm]	cG	i	Typ	Wymiary Strona	~kg
0.37 kW						
5.1	425	1.45	271.60	**S32A DL71G4**	131	28
5.9	370	1.65	234.71	**S32B DL71G4**		28
6.7	330	1.80	205.58	**S32C DL71G4**		30
7.6	295	2.00	182.00			
8.5	270	2.1	162.52			
9.4	245	2.3	146.16			
10	230	2.5	132.22			
11	210	2.6	120.52			
13	191	2.8	107.52			
14	173	3.1	96.44			
5.3	395	0.80	260.46	**S22G12A DL71G4**	130/133	22
6.0	355	0.90	230.68	**S22G12B DL71G4**		22
6.7	320	1.00	206.44	**S22G12C DL71G4**		24
7.7	285	1.10	179.67			
6.7	320	1.00	207.20	**S22A DL71G4**	130	18
7.8	280	1.10	177.88	**S22B DL71G4**		18
8.9	250	1.20	154.74	**S22C DL71G4**		20
10	225	1.35	136.00			
11	205	1.45	120.52			
13	186	1.60	107.52			
14	168	1.70	96.44			
16	155	1.85	87.65			
18	139	2.0	77.28			
19	141	2.2	71.53			
20	124	2.2	68.44			
22	123	2.4	61.41			
26	108	2.7	53.42			
29	97	3.0	46.95			
9.6	215	0.80	143.53	**S12A DL71G4**	129	13
11	192	0.85	124.21	**S12B DL71G4**		13
13	173	0.95	108.57	**S12C DL71G4**		14
14	154	1.05	95.65			
16	139	1.15	84.80			
18	125	1.25	75.56			
20	114	1.30	67.83			
23	119	1.40	60.90			
23	102	1.45	59.20			
27	103	1.60	52.03			
27	91	1.55	51.85			
31	91	1.75	45.03			
35	81	1.95	39.36			
40	72	2.1	34.67			
45	64	2.4	30.74			
50	57	2.6	27.39			
56	52	2.8	24.59			
61	51	3.0	22.68			
64	45	3.1	21.46			
71	44	3.4	19.38			
73	40	3.3	18.80			
82	38	3.8	16.77			

n2 [1/min]	T2 [Nm]	cG	i	Typ	Wymiary Strona	~kg
0.37 kW						
32	79	0.80	42.71	**S02A DL71G4**	128	10
37	69	0.90	37.00	**S02B DL71G4**		10
43	61	1.00	32.20	**S02C DL71G4**		11
49	54	1.10	28.11			
55	53	1.20	25.00			
65	46	1.35	21.08			
77	39	1.50	17.98			
89	34	1.70	15.48			
103	30	1.85	13.41			
110	29	2.3	12.50			
118	26	2.0	11.67			
131	24	2.7	10.54			
135	23	2.3	10.19			
153	21	3.0	8.99			
178	18	3.4	7.74			
206	16	3.8	6.70			
237	14	4.2	5.83			
271	12	4.6	5.09			
0.55 kW						
1.5	1840	0.80	934.35	**S42G22A DL80K4**	132/133	54
1.7	1670	0.90	838.10	**S42G22B DL80K4**		54
1.9	1540	0.95	761.70	**S42G22C DL80K4**		57
2.1	1380	1.05	671.56			
2.4	1250	1.15	594.78			
2.6	1150	1.25	536.78			
2.9	1070	1.35	494.08			
3.2	980	1.45	441.60			
3.6	890	1.60	392.13			
4.1	795	1.75	347.49			
4.6	715	1.95	309.22			
5.3	625	2.2	264.91			
5.7	585	2.3	247.58	**S42A DL80K4**	132	48
6.4	530	2.5	220.00	**S42B DL80K4**		48
7.1	480	2.7	197.22	**S42C DL80K4**		52
7.9	440	2.9	178.08			
8.7	405	3.1	161.78			
9.5	375	3.3	147.91			
11	345	3.5	132.72			
12	315	3.7	119.78			
3.9	800	0.80	362.38	**S32G12A DL80K4**	131/133	36
4.3	725	0.85	325.05	**S32G12B DL80K4**		36
4.8	665	0.95	294.91	**S32G12C DL80K4**		38
5.4	595	1.00	261.33			
6.1	530	1.15	230.03			
6.9	480	1.25	205.58	**S32A DL80K4**	131	31
7.7	435	1.35	182.00	**S32B DL80K4**		31
8.7	395	1.45	162.52	**S32C DL80K4**		33
9.6	360	1.60	146.16			
11	335	1.70	132.22			
12	310	1.80	120.52			
13	280	1.95	107.52			
15	255	2.1	96.44			
27	164	3.9	52.21			

n2	T2	cG	i	Typ	Wymiary	~kg
[1/min]	[Nm]				Strona	
0.55 kW						
9.1	365	0.85	154.74	**S22A DL80K4**	130	20
10	330	0.90	136.00	**S22B DL80K4**		20
12	300	1.00	120.52	**S22C DL80K4**		22
13	270	1.10	107.52			
15	245	1.15	96.44			
16	225	1.25	87.65			
18	200	1.35	77.28			
21	181	1.50	68.44			
26	158	1.85	53.42			
30	141	2.0	46.95			
34	127	2.2	41.61			
38	114	2.4	37.12			
42	103	2.6	33.30			
47	94	2.8	30.26			
53	84	3.0	26.68			
60	74	3.3	23.63			
19	183	0.85	75.56	**S12A DL80K4**	129	15
21	167	0.90	67.83	**S12B DL80K4**		15
24	149	1.00	59.20	**S12C DL80K4**		16
27	132	1.05	51.85			
31	132	1.20	45.03			
36	118	1.35	39.36			
41	104	1.45	34.67			
46	93	1.60	30.74			
51	84	1.75	27.39			
57	75	1.90	24.59			
66	66	2.1	21.46			
75	58	2.3	18.80			
84	56	2.6	16.77			
96	49	2.9	14.66			
109	43	3.2	12.91			
123	39	3.5	11.45			
138	35	3.8	10.20			
78	57	1.05	17.98	**S02A DL80K4**	128	12
91	50	1.15	15.48	**S02B DL80K4**		12
105	43	1.25	13.41	**S02C DL80K4**		13
121	38	1.40	11.67			
138	33	1.55	10.19			
157	31	2.1	8.99			
182	27	2.3	7.74			
210	23	2.6	6.70			
242	20	2.8	5.83			
277	18	3.1	5.09			
0.75 kW						
2.4	1710	0.85	594.78	**S42G22A DL80G4**	132/133	55
2.6	1570	0.90	536.78	**S42G22B DL80G4**		55
2.8	1470	1.00	494.08	**S42G22C DL80G4**		59
3.2	1340	1.05	441.60			
3.6	1220	1.15	392.13			
4.0	1090	1.25	347.49			
4.5	985	1.40	309.22			
5.3	855	1.60	264.91			

n2	T2	cG	i	Typ	Wymiary	~kg
[1/min]	[Nm]				Strona	
0.75 kW						
5.7	805	1.70	247.58	**S42A DL80G4**	132	49
6.4	725	1.85	220.00	**S42B DL80G4**		49
7.1	660	2.00	197.22	**S42C DL80G4**		53
7.9	605	2.1	178.08			
8.7	555	2.3	161.78			
9.5	515	2.4	147.91			
11	470	2.6	132.72			
12	435	2.7	119.78			
6.1	730	0.85	230.03	**S32G12A DL80G4**	131/133	37
				S32G12B DL80G4		37
				S32G12C DL80G4		39
6.8	660	0.90	205.58	**S32A DL80G4**	131	32
7.7	595	1.00	182.00	**S32B DL80G4**		32
8.6	540	1.05	162.52	**S32C DL80G4**		34
9.6	495	1.15	146.16			
11	455	1.25	132.22			
12	425	1.30	120.52			
13	385	1.40	107.52			
15	345	1.50	96.44			
27	225	2.8	52.21			
30	200	3.1	46.22			
34	181	3.4	41.28			
38	164	3.7	37.12			
42	150	3.9	33.58			
13	370	0.80	107.52	**S22A DL80G4**	130	21
15	335	0.85	96.44	**S22B DL80G4**		21
16	310	0.90	87.65	**S22C DL80G4**		23
18	275	1.00	77.28			
20	250	1.10	68.44			
26	215	1.35	53.42			
30	193	1.50	46.95			
34	174	1.60	41.61			
38	156	1.75	37.12			
42	141	1.90	33.30			
46	129	2.0	30.26			
52	115	2.2	26.68			
59	102	2.4	23.63			
70	91	3.1	19.89			
80	81	3.5	17.49			
90	72	3.8	15.50			
27	181	0.80	51.85	**S12A DL80G4**	129	16
31	182	0.90	45.03	**S12B DL80G4**		16
36	161	0.95	39.36	**S12C DL80G4**		17
40	143	1.05	34.67			
46	128	1.15	30.74			
51	115	1.30	27.39			
57	104	1.40	24.59			
65	91	1.50	21.46			
74	80	1.65	18.80			
83	77	1.90	16.77			
96	68	2.1	14.66			
108	60	2.3	12.91			
122	53	2.6	11.45			
137	47	2.8	10.20			
153	43	3.0	9.16			
175	38	3.3	7.99			
200	33	3.6	7.00			

n2 [1/min]	T2 [Nm]	cG	i	Typ	Wymiary Strona	~kg
0.75 kW						
90	68	0.85	15.48	**S02A DL80G4**	128	13
104	59	0.95	13.41	**S02B DL80G4**		13
120	52	1.00	11.67	**S02C DL80G4**		14
137	45	1.15	10.19			
156	42	1.50	8.99			
181	36	1.65	7.74			
209	32	1.85	6.70			
240	27	2.1	5.83			
275	24	2.3	5.09			
1.1 kW						
3.6	1770	0.80	392.13	**S42G22A DL90S4**	132/133	58
3.7	1740	0.80	384.81	**S42G22B DL90S4**		58
4.1	1580	0.90	347.49	**S42G22C DL90S4**		62
4.1	1570	0.90	343.94			
4.6	1420	0.95	309.22			
4.6	1410	1.00	305.41			
5.2	1260	1.10	270.64			
5.4	1240	1.10	264.91			
5.9	1140	1.20	240.84			
6.5	1050	1.25	220.00	**S42A DL90S4**	132	53
7.2	955	1.35	197.22	**S42B DL90S4**		53
8.0	875	1.45	178.08	**S42C DL90S4**		56
8.8	805	1.55	161.78			
9.6	745	1.65	147.91			
11	685	1.75	132.72			
12	630	1.90	119.78			
13	585	2.00	110.25			
14	525	2.1	98.54			
16	475	2.3	87.50			
18	425	2.5	77.54			
24	380	3.3	59.37			
27	345	4.0	53.22			
9.7	720	0.80	146.16	**S32A DL90S4**	131	35
11	660	0.85	132.22	**S32B DL90S4**		35
12	615	0.90	120.52	**S32C DL90S4**		37
13	555	0.95	107.52			
15	500	1.05	96.44			
16	460	1.10	87.50			
18	415	1.20	77.54			
21	370	1.30	68.25			
24	325	1.40	59.77			
31	290	2.1	46.22			
34	260	2.3	41.28			
38	235	2.5	37.12			
42	215	2.7	33.58			
46	199	2.9	30.61			
52	178	3.1	27.31			
58	160	3.4	24.49			
63	150	3.5	22.44			
64	146	3.6	22.22			
70	136	3.9	20.18			
72	130	3.9	19.69			

n2 [1/min]	T2 [Nm]	cG	i	Typ	Wymiary Strona	~kg
1.1 kW						
23	325	0.80	61.25	**S22A DL90S4**	130	25
27	285	0.90	53.31	**S22B DL90S4**		25
30	280	1.00	46.95	**S22C DL90S4**		27
34	250	1.10	41.61			
38	225	1.20	37.12			
43	205	1.30	33.30			
47	187	1.40	30.26			
53	166	1.50	26.68			
60	148	1.65	23.63			
67	133	1.75	21.15			
77	116	1.95	18.40			
81	117	2.4	17.49			
92	104	2.6	15.50			
103	93	2.8	13.82			
115	84	3.1	12.40			
126	76	3.3	11.27			
143	68	3.6	9.94			
161	60	3.9	8.80			
46	185	0.80	30.74	**S12A DL90S4**	129	20
52	166	0.90	27.39	**S12B DL90S4**		20
58	150	0.95	24.59	**S12C DL90S4**		21
66	132	1.05	21.46			
76	116	1.15	18.80			
97	98	1.45	14.66			
110	86	1.60	12.91			
124	77	1.75	11.45			
139	69	1.90	10.20			
155	62	2.1	9.16			
178	54	2.3	7.99			
203	48	2.5	7.00			
1.5 kW						
5.2	1740	0.80	270.64	**S42G22A DL90L4**	132/133	60
5.3	1700	0.80	264.91	**S42G22B DL90L4**		60
5.8	1560	0.85	240.84	**S42G22C DL90L4**		63
6.4	1440	0.90	220.00	**S42A DL90L4**	132	54
7.1	1310	1.00	197.22	**S42B DL90L4**		54
7.9	1200	1.05	178.08	**S42C DL90L4**		58
8.7	1110	1.15	161.78			
9.5	1030	1.20	147.91			
11	940	1.30	132.72			
12	865	1.35	119.78			
13	805	1.45	110.25			
14	725	1.55	98.54			
16	650	1.65	87.50			
18	585	1.80	77.54			
24	525	2.4	59.37			
26	475	2.9	53.22			
29	430	3.2	48.05			
32	390	3.4	43.65			
35	360	3.5	39.91			
39	325	3.8	35.81			
43	300	2.9	32.48			

n2	T2	cG	i	Typ	Wymiary	~kg
[1/min]	[Nm]				Strona	
1.5 kW						
16	635	0.80	87.50	**S32A DL90L4**	131	37
18	570	0.90	77.54	**S32B DL90L4**		37
21	505	0.95	68.25	**S32C DL90L4**		39
24	450	1.05	59.77			
30	400	1.55	46.22			
34	360	1.70	41.28			
38	325	1.85	37.12			
42	300	1.95	33.58			
46	275	2.1	30.61			
51	245	2.3	27.31			
57	220	2.5	24.49			
63	205	2.6	22.44			
63	200	2.6	22.22			
70	187	2.8	20.18			
71	179	2.9	19.69			
77	170	3.0	18.26			
81	158	3.1	17.33			
84	156	3.4	16.64			
93	139	3.4	15.18			
95	140	3.7	14.85			
105	126	4.0	13.32			
34	345	0.80	41.61	**S22A DL90L4**	130	26
38	310	0.85	37.12	**S22B DL90L4**		26
42	280	0.95	33.30	**S22C DL90L4**		28
46	255	1.00	30.26			
53	230	1.10	26.68			
59	205	1.20	23.63			
66	183	1.30	21.15			
76	160	1.40	18.40			
80	161	1.75	17.49			
91	144	1.90	15.50			
102	129	2.1	13.82			
113	116	2.2	12.40			
125	105	2.4	11.27			
141	93	2.6	9.94			
160	83	2.8	8.80			
178	75	3.1	7.88			
205	65	3.3	6.85			
75	160	0.85	18.80	**S12A DL90L4**	129	21
96	135	1.05	14.66	**S12B DL90L4**		21
109	119	1.15	12.91	**S12C DL90L4**		22
123	106	1.30	11.45			
138	95	1.40	10.20			
153	85	1.50	9.16			
176	75	1.65	7.99			
201	66	1.80	7.00			

n2	T2	cG	i	Typ	Wymiary	~kg
[1/min]	[Nm]				Strona	
2.2 kW						
8.7	1610	0.80	161.78	**S42A DL100L4**	132	60
9.6	1500	0.85	147.91	**S42B DL100L4**		60
11	1370	0.90	132.72	**S42C DL100L4**		63
12	1260	0.95	119.78			
13	1170	1.00	110.25			
14	1060	1.05	98.54			
16	950	1.15	87.50			
18	855	1.25	77.54			
21	765	1.30	69.00			
27	690	2.0	53.22			
29	625	2.2	48.05			
32	570	2.3	43.65			
35	525	2.4	39.91			
40	475	2.6	35.81			
44	430	2.8	32.32			
48	400	2.9	29.75			
49	395	2.2	29.11			
53	355	3.2	26.59			
54	355	2.4	26.29			
59	325	2.6	23.88			
60	320	3.4	23.61			
65	300	3.4	21.83			
68	285	3.6	20.92			
72	270	3.7	19.59			
76	250	3.8	18.62			
80	245	4.0	17.68			
34	525	1.15	41.28	**S32A DL100L4**	131	43
38	475	1.25	37.12	**S32B DL100L4**		43
42	435	1.35	33.58	**S32C DL100L4**		45
46	400	1.45	30.61			
52	360	1.55	27.31			
58	320	1.70	24.49			
63	300	1.75	22.44			
64	295	1.80	22.22			
70	275	1.90	20.18			
72	260	1.95	19.69			
77	250	2.1	18.26			
82	230	2.1	17.33			
85	225	2.3	16.64			
93	205	2.3	15.18			
95	205	2.5	14.85			
106	179	2.5	13.33			
106	183	2.7	13.32			
117	166	2.9	12.08			
132	148	3.1	10.71			
150	131	3.4	9.43			
171	115	3.7	8.25			
195	101	4.0	7.25			
60	295	0.80	23.63	**S22A DL100L4**	130	33
67	265	0.90	21.15	**S22B DL100L4**		33
77	235	0.95	18.40	**S22C DL100L4**		35
91	210	1.30	15.50			
102	187	1.40	13.82			
114	168	1.55	12.40			
126	153	1.65	11.27			
142	136	1.80	9.94			
161	121	1.95	8.80			
180	109	2.1	7.88			
206	95	2.3	6.85			

n2 [1/min]	T2 [Nm]	cG	i	Typ	Wymiary Strona	~kg
3.0 kW						
15	1430	0.80	98.54	**S42A DL100LX4**	132	63
16	1280	0.85	87.50	**S42B DL100LX4**		63
18	1150	0.90	77.54	**S42C DL100LX4**		66
21	1040	0.95	69.00			
27	930	1.50	53.22			
30	845	1.60	48.05			
33	770	1.70	43.65			
36	710	1.75	39.91			
40	640	1.95	35.81			
44	585	2.1	32.32			
48	540	2.1	29.75			
49	535	1.65	29.11			
54	480	2.4	26.59			
54	480	1.80	26.29			
60	440	1.95	23.88			
61	430	2.5	23.61			
65	405	2.5	21.83			
68	380	2.6	20.92			
73	365	2.7	19.59			
77	340	2.8	18.62			
81	330	3.0	17.68			
35	710	0.85	41.28	**S32A DL100LX4**	131	47
39	645	0.95	37.12	**S32B DL100LX4**		47
43	585	1.00	33.58	**S32C DL100LX4**		49
47	540	1.05	30.61			
52	485	1.15	27.31			
58	435	1.25	24.49			
64	405	1.30	22.44			
64	395	1.35	22.22			
71	370	1.40	20.18			
73	350	1.45	19.69			
78	335	1.55	18.26			
83	310	1.60	17.33			
86	305	1.70	16.64			
94	275	1.70	15.18			
96	275	1.85	14.85			
107	240	1.85	13.33			
107	245	2.0	13.32			
118	225	2.1	12.08			
134	200	2.3	10.71			
152	177	2.5	9.43			
173	155	2.7	8.25			
197	137	2.9	7.25			
92	280	0.95	15.50	**S22A DL100LX4**	130	36
103	255	1.05	13.82	**S22B DL100LX4**		36
115	225	1.15	12.40	**S22C DL100LX4**		38
127	205	1.20	11.27			
144	183	1.30	9.94			
163	163	1.45	8.80			
182	147	1.55	7.88			
209	128	1.70	6.85			

n2 [1/min]	T2 [Nm]	cG	i	Typ	Wymiary Strona	~kg
4.0 kW						
30	1120	1.20	48.05	**S42A DL112M4**	132	76
33	1020	1.30	43.65	**S42B DL112M4**		76
36	940	1.35	39.91	**S42C DL112M4**		79
40	850	1.45	35.81			
44	775	1.55	32.32			
48	715	1.60	29.75			
54	640	1.80	26.59			
55	640	1.35	26.29			
60	585	1.45	23.88			
61	570	1.90	23.61			
66	535	1.90	21.83			
69	505	2.00	20.92			
73	485	2.1	19.59			
77	450	2.1	18.62			
81	440	2.2	17.68			
47	715	0.80	30.61	**S32A DL112M4**	131	60
53	640	0.85	27.31	**S32B DL112M4**		60
59	575	0.95	24.49	**S32C DL112M4**		62
65	525	1.00	22.22			
71	490	1.05	20.18			
73	465	1.10	19.69			
79	445	1.15	18.26			
83	415	1.20	17.33			
86	410	1.30	16.64			
95	365	1.30	15.18			
97	365	1.40	14.85			
108	320	1.40	13.33			
108	330	1.50	13.32			
119	300	1.60	12.08			
134	265	1.75	10.71			
152	235	1.90	9.43			
174	205	2.0	8.25			
198	181	2.2	7.25			
5.5 kW						
40	1160	1.10	35.81	**S42A DA132S4**	132	84
45	1050	1.15	32.32	**S42B DA132S4**		84
49	970	1.15	29.75	**S42C DA132S4**		87
55	870	1.30	26.59			
61	775	1.40	23.61			
69	690	1.45	20.92			
74	660	1.50	19.59			
78	615	1.55	18.62			
82	595	1.65	17.68			
89	550	1.90	16.28			
91	525	1.70	15.95			
100	495	2.0	14.55			
103	465	1.75	14.07			
112	440	2.1	12.92			
127	390	2.3	11.45			
142	350	2.4	10.19			
166	300	2.6	8.73			
188	265	2.7	7.70			

Motoreduktory Walcowo - Ślimakowe S

n2 [1/min]	T2 [Nm]	cG	i	Typ	Wymiary Strona	~kg
7.5 kW						
40	1580	0.80	35.81	**S42A DA132M4**	132	88
45	1440	0.85	32.32	**S42B DA132M4**		88
49	1330	0.85	29.75	**S42C DA132M4**		91
55	1190	0.95	26.59			
61	1060	1.00	23.61			
69	940	1.05	20.92			
74	895	1.10	19.59			
78	835	1.15	18.62			
82	815	1.20	17.68			
89	750	1.40	16.28			
91	715	1.25	15.95			
100	670	1.50	14.55			
103	635	1.30	14.07			
112	600	1.55	12.92			
127	530	1.65	11.45			
142	475	1.75	10.19			
166	410	1.90	8.73			
188	360	2.0	7.70			

n2 [1/min]	T2 [Nm]	cG	i	Typ	Wymiary Strona	~kg

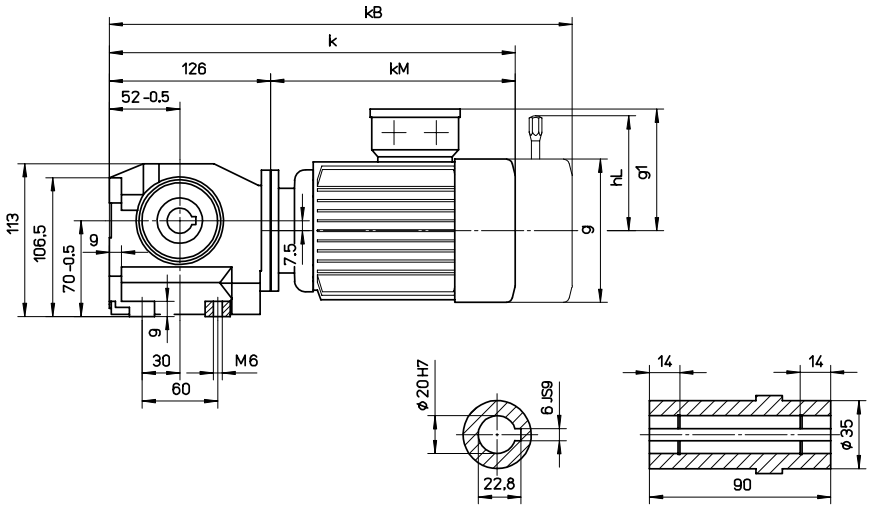
Motoreduktory Walcowo - Ślimakowe S dla bardzo niskich prędkości wyjściowych

n2 [1/min]	i	Typ	Wymiary Strona	~kg
1530 Nm				
0.069	20360	**S42G23A DL63K4**	132/133	50
0.081	17395	**S42G23B DL63K4**		50
0.094	15053	**S42G23C DL63K4**		54
0.11	13158			
0.12	11592			
0.14	10277			
0.15	9221.9			
0.17	8060.8			
0.20	7101.6			
0.22	6295.9			
0.26	5512.1			
665 Nm				
0.075	18745	**S32G13A DL63K4**	131/133	32
0.089	15891	**S32G13B DL63K4**		32
0.10	13638	**S32G13C DL63K4**		34
0.12	11814			
0.14	10307			
0.16	9041.7			
0.18	7963.6			
0.20	7002.7			
0.23	6009.8			
0.27	5206.1			
0.31	4542.1			
660 Nm				
0.35	4043.0	**S32G12A DL63K4**	131/133	32
0.41	3454.1	**S32G12B DL63K4**		32
0.47	2989.2	**S32G12C DL63K4**		34
0.54	2612.8			
0.61	2301.9			
340 Nm				
0.10	13901	**S22G13A DL63K4**	130/133	21
0.12	11784	**S22G13B DL63K4**		21
0.14	10114	**S22G13C DL63K4**		23
0.16	8761.0			
0.18	7643.7			
0.21	6705.1			
0.24	5905.6			
0.27	5193.0			
0.32	4456.7			
0.37	3860.7			
0.42	3368.3			
0.47	2998.2	**S22G12A DL63K4**	130/133	21
0.55	2561.5	**S22G12B DL63K4**		21
0.64	2216.7	**S22G12C DL63K4**		23
0.73	1937.6			
0.83	1707.1			
0.93	1513.4			
1.0	1348.4			
1.2	1210.5			
1.3	1056.5			

n2 [1/min]	i	Typ	Wymiary Strona	~kg
188 Nm				
0.16	9007.5	**S12G03A DL63K4**	129/133	16
0.19	7609.6	**S12G03B DL63K4**		16
0.22	6505.9	**S12G03C DL63K4**		17
0.25	5612.6			
0.29	4874.5			
0.33	4254.6			
0.38	3672.3			
0.45	3168.0			
0.51	2751.5			
0.59	2401.5			
0.67	2108.1	**S12G02A DL63K4**	129/133	16
0.79	1781.0	**S12G02B DL63K4**		16
0.93	1522.7	**S12G02C DL63K4**		17
1.1	1313.6			
1.2	1140.8			
1.4	995.75			
1.6	872.16			
1.9	749.62			
2.2	646.68			

S02A

Wykonanie na łapach



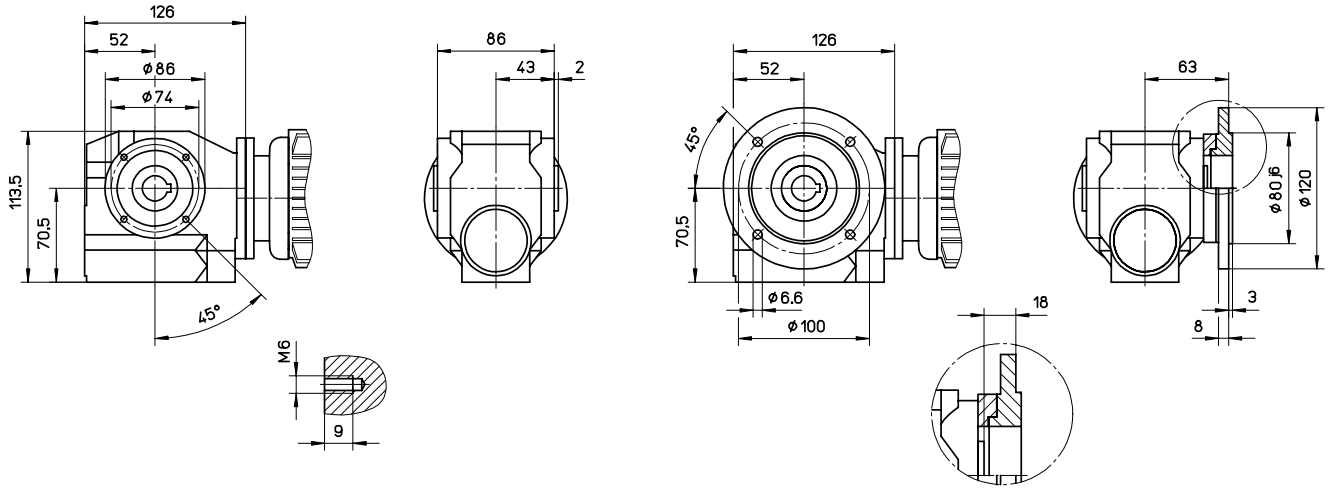
S02B

kołnierzem

Wykonanie z wałem drążonym

S02C

Wykonanie z dużym

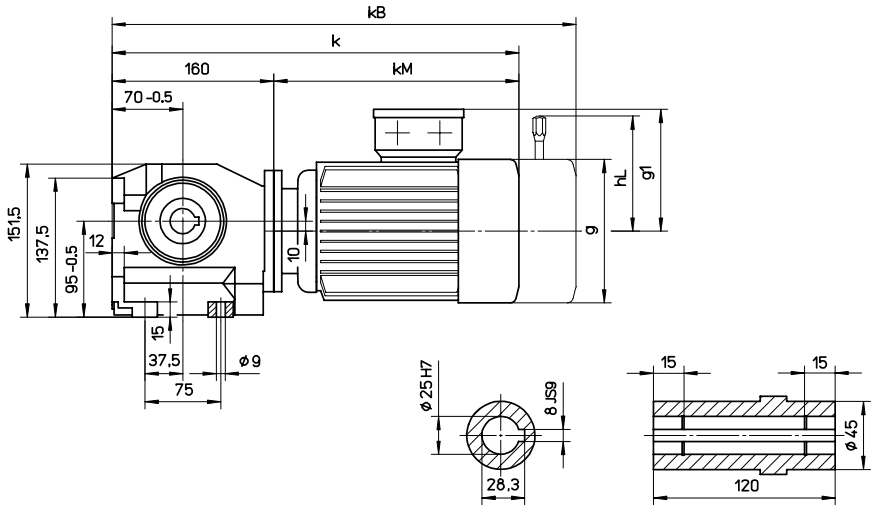


	k	kB	kM	g	g1	hL
S02_ DL63/71	327	381	201	126	113	106
S02_ DL80	370	427	244	142	121	114

Wymiary kB i hL dotyczą motoreduktorów z hamulcem

S12A

Wykonanie na łapach



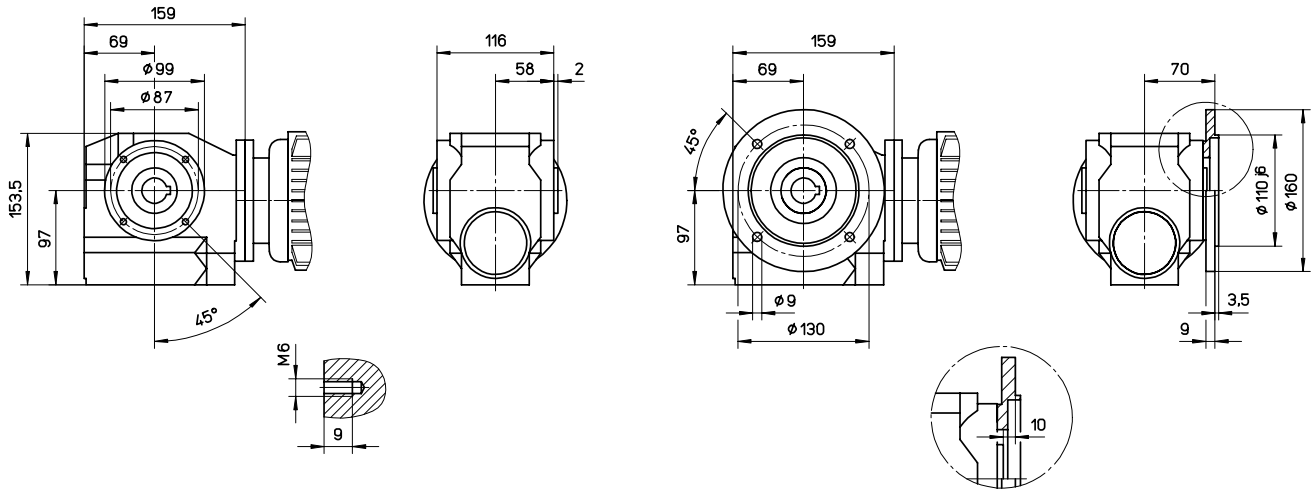
S12B

kołnierzem

Wykonanie z wałem drążonym

S12C

Wykonanie z dużym



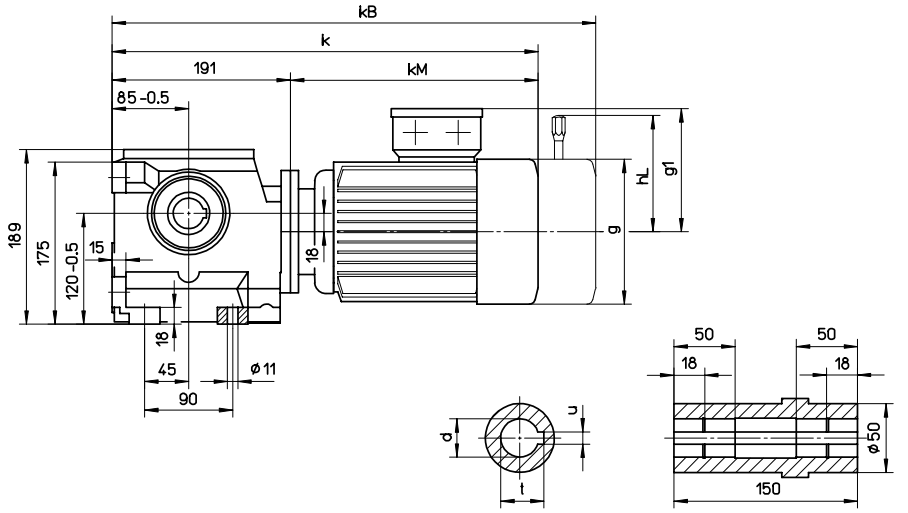
	k	kB	kM	g	g1	hL
S12_ DL63/71	360	414	200	126	113	106
S12_ DL80	403	460	243	142	121	114
S12_ DL90	449	514	289	160	130	128

Wymiary kB i hL dotyczą motoreduktorów z hamulcem

Motoreduktory Walcowo - Ślimakowe S

S22A

Wykonanie na łapach



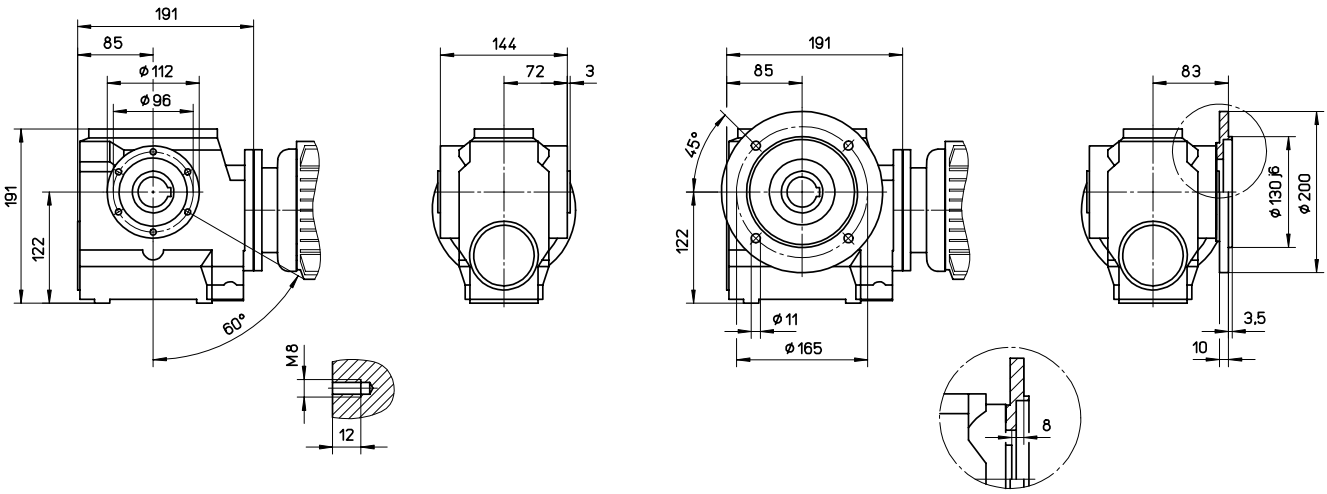
S22B

Wykonanie z wałem drążonym

kołnierzem

S22C

Wykonanie z dużym



	k	kB	kM	g	g1	hL
S22_ DL63/71	388	442	197	126	113	106
S22_ DL80	431	488	240	142	121	114
S22_ DL90	475	540	284	160	130	128
S22_ DL100	528	599	337	180	141	168

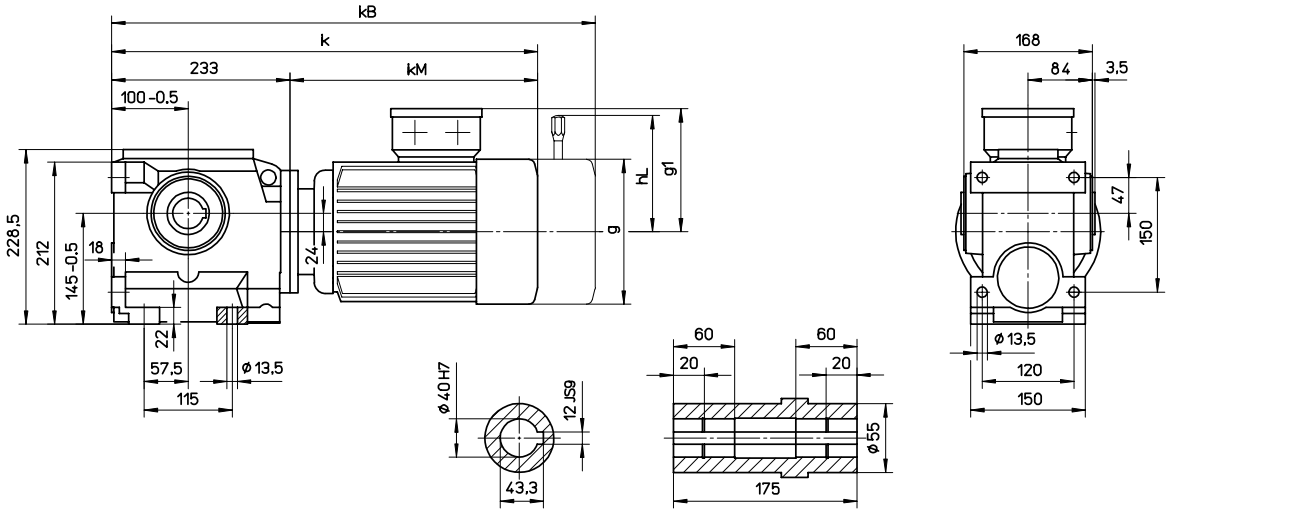
Wał drążony	d	t	u
35	35H7	38.3	10
30	30H7	33.3	8

Wymiary kB i hL dotyczą motoreduktorów z hamulcem

Motoreduktory Walcowo - Ślimakowe S

S32A

Wykonanie na łapach

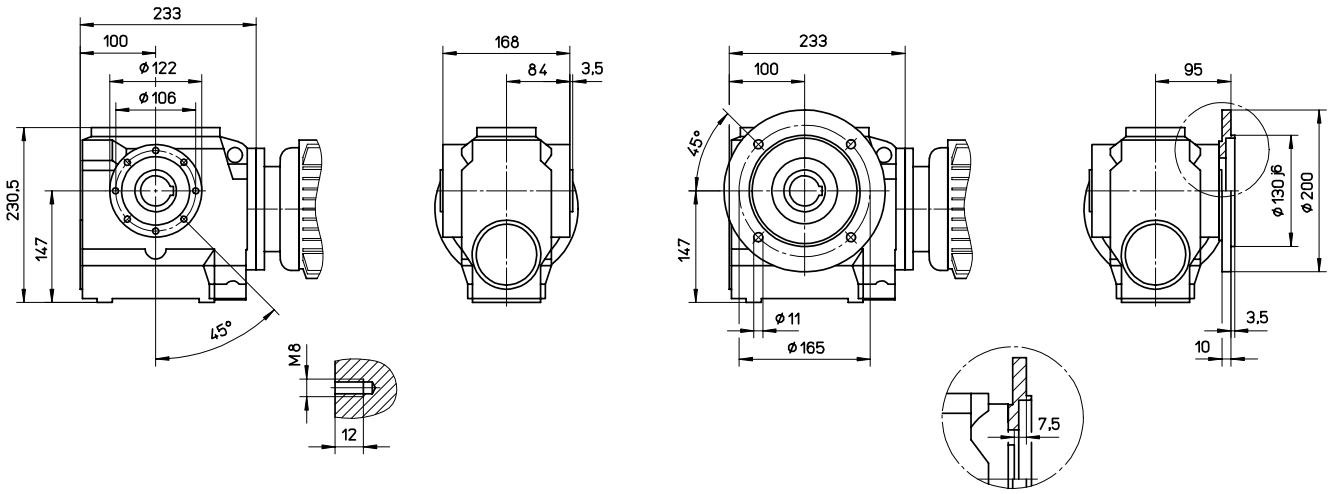


S32B

Wykonanie z wałem drążonym kołnierzem

S32C

Wykonanie z dużym



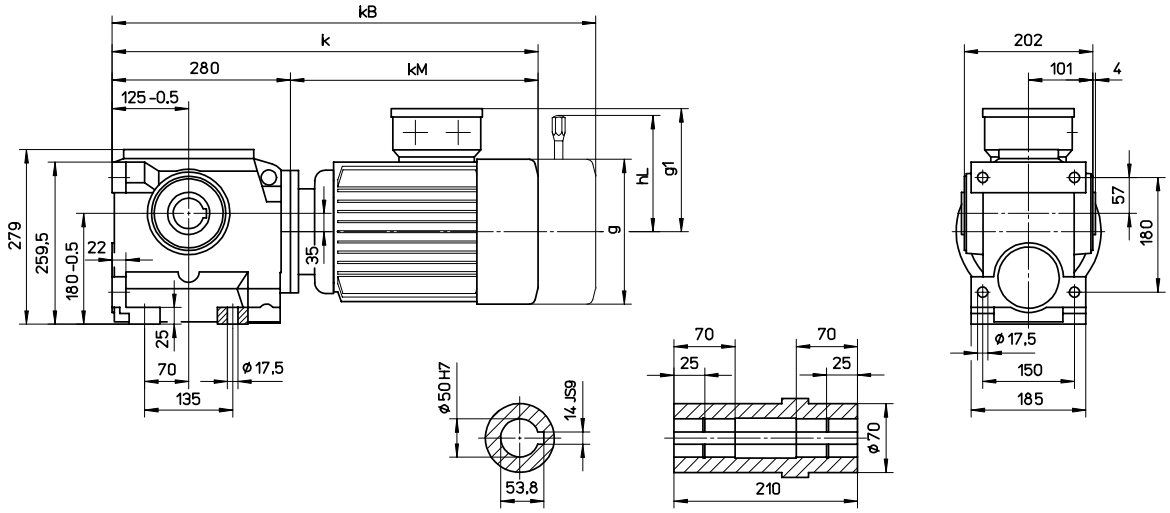
	k	kB	kM	g	g1	hL
S32_ DL63/71	429	483	196	126	113	106
S32_ DL80	472.5	529.5	239.5	142	120.5	114
S32_ DL90	518.5	583.5	285.5	160	129.5	128
S32_ DL100	567	638	334	180	141	168
S32_ DL112	608.5	695.5	375.5	200	151	176

Wymiary kB i hL dotyczą motoreduktorów z hamulcem

Motoreduktory Walcowo - Ślimakowe S

S42A

Wykonanie na łapach

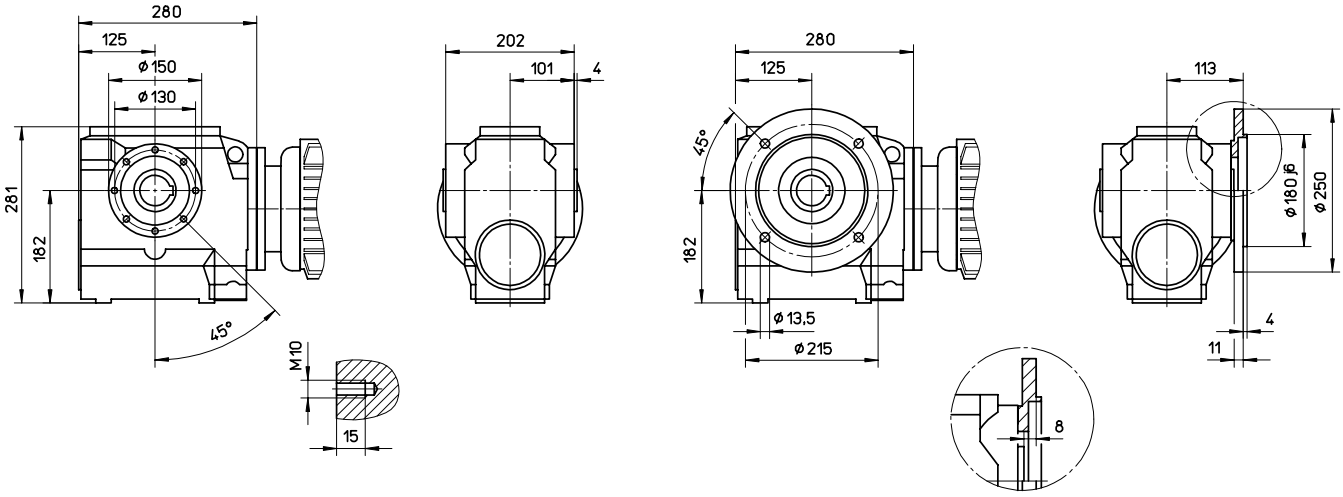


S42B

Wykonanie z wałem drążonym kołnierzem

S42C

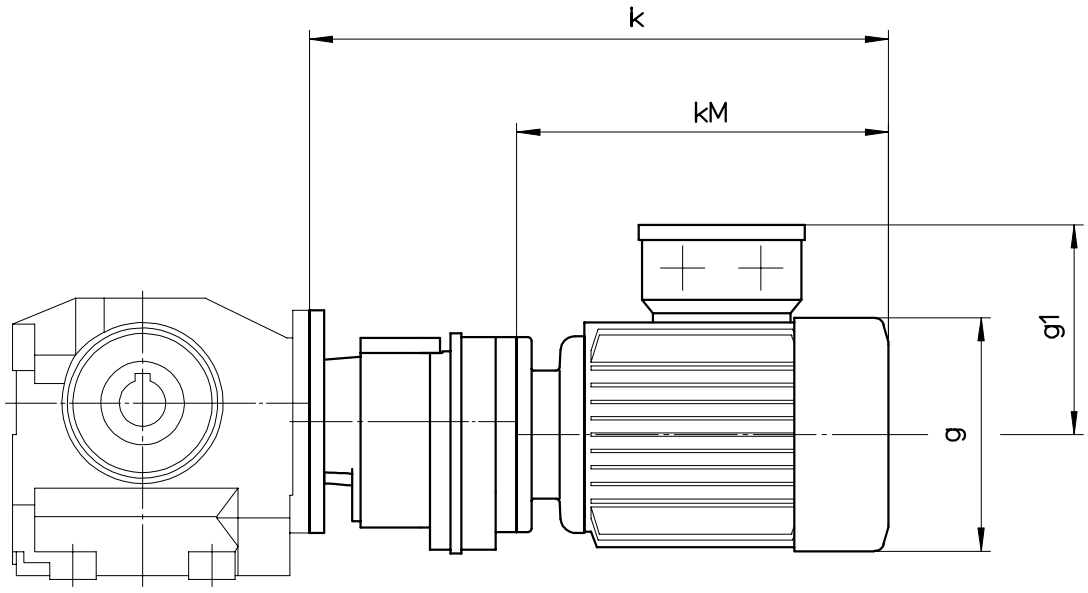
Wykonanie z dużym



	k	kB	kM	g	g1	hL
S42_ DL63/71	472.5	526.5	192.5	126	113	106
S42_ DL80	516	573	236	142	121	114
S42_ DL90	562	627	282	160	130	128
S42_ DL100	609	680	329	180	141	168
S42_ DL112	651	738	371	200	151	176
S42_ DA132	711.5	810.5	431.5	245	188	225

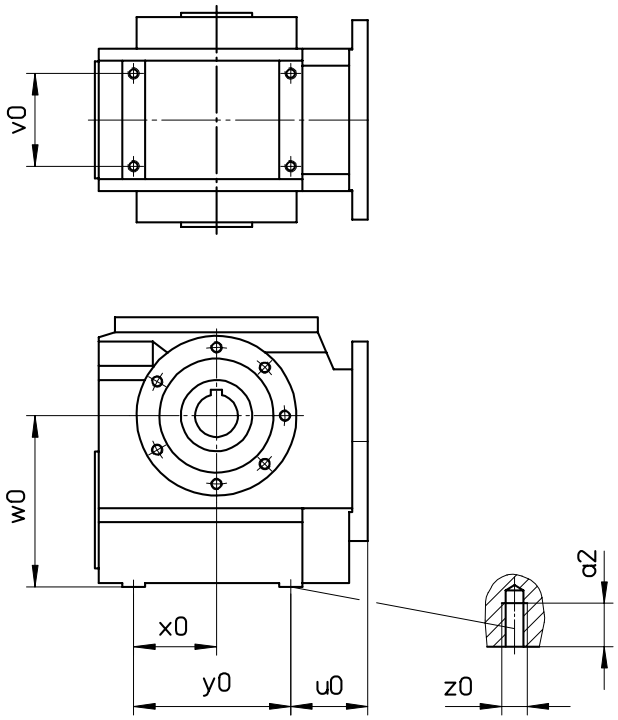
Wymiary kB i hL dotyczą motoreduktorów z hamulcem

Motoreduktory Walcowo - Ślimakowe S dla bardzo niskich prędkości wyjściowych



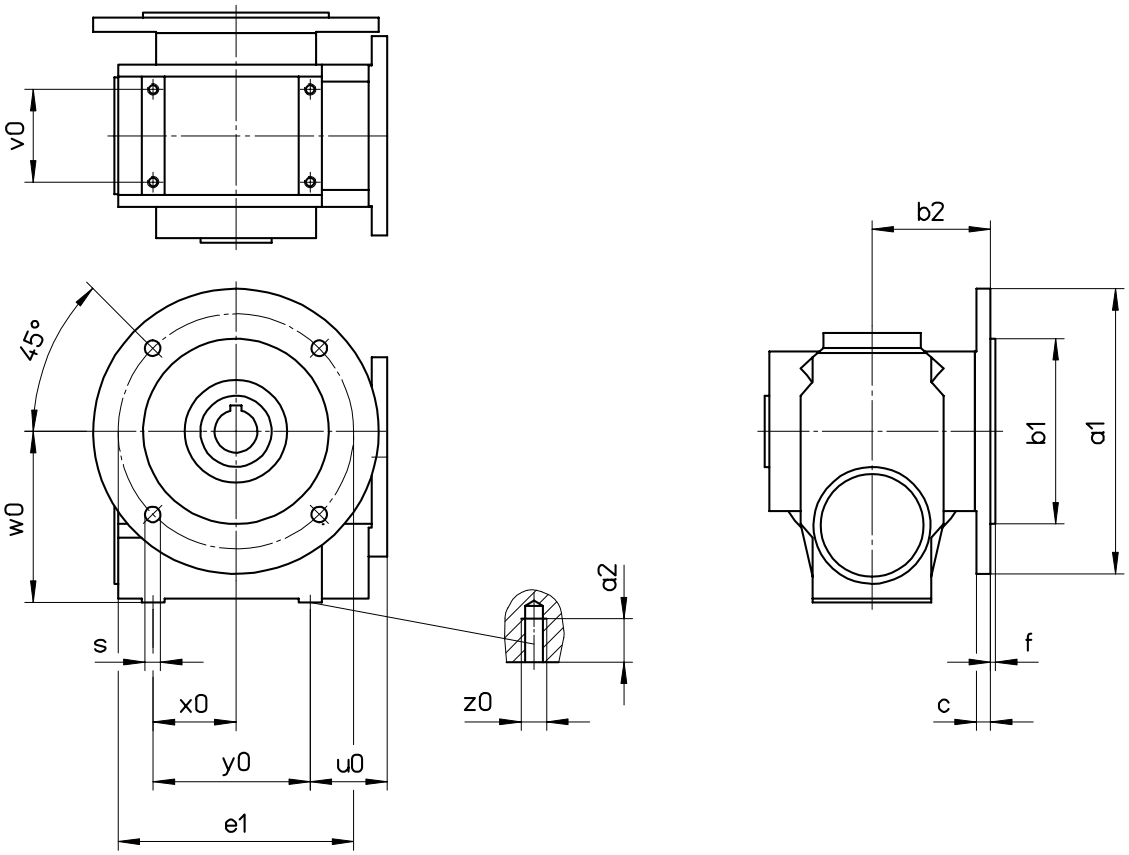
	k	kM	g	g1
S12G0__ DL63/71	313	201	126	113
S22G1__ DL63/71	323	200	126	113
S32G1__ DL63/71	323	200	126	113
S32G1__ DL80	366	243	142	121
S42G2__ DL63/71	342	197	126	113
S42G2__ DL80	385	240	142	121
S42G2__ DL90	429	284	160	130

Motoreduktory Walcowo - Ślimakowe S
Wersja nasadowa + powierzchnia z łapami



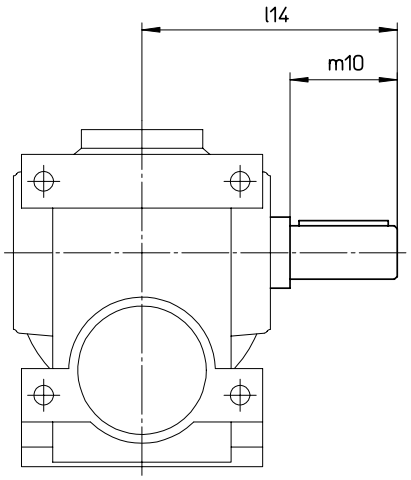
Reduktor	u0	v0	w0	x0	y0	z0	a2
S1	54	50	95	46	82	M8	12
S2	54	65	120	58	110	M8	12
S3	65.5	70	145	67.5	135	M10	15
S4	67.5	80	180	87.5	175	M16	24

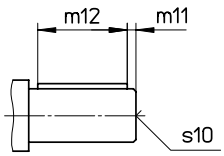
Motoreduktory Walcowo - Ślimakowe S
Wersja kołnierzowa + powierzchnia z łapami

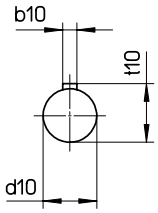


Reduktor	u0	v0	w0	x0	y0	z0	a2	a1	e1	b1	s	c	f	b2
S1	54	50	95	46	82	M8	12	160	130	110 j6	9	9	3.5	70
S2	54	65	120	58	110	M8	12	200	165	130 j6	11	10	3.5	83
S3	65.5	70	145	67.5	135	M10	15	200	165	130 j6	11	10	3.5	95
S4	67.5	80	180	87.5	175	M16	24	250	215	180 j6	13.5	11	4	113

Motoreduktory Walcowo - Ślimakowe S
Wersja z wałem wyjściowym pełnym

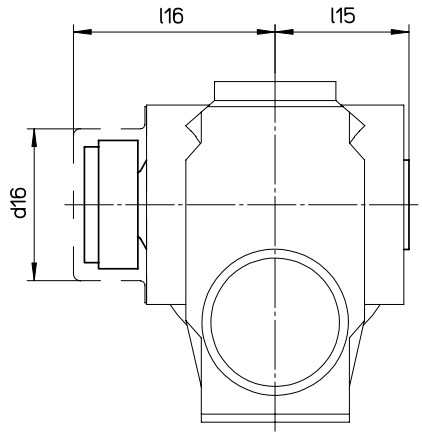


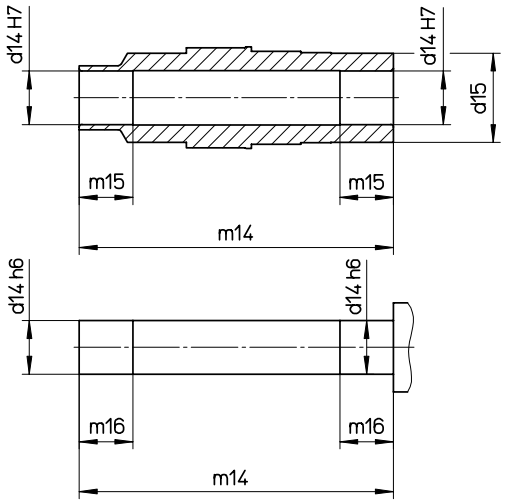




Reduktor	d10	m10	m11	m12	b10	t10	s10	l14
S02A **S02C**	20	40	4	32	6	22.5	M6	85 103
S1	25	50	5	40	8	28	M10	120
S2	30	60	5	50	8	33	M10	143
S2	35	70	7	56	10	38	M12	153
S3	40	80	5	70	12	43	M16	175
S4	50	100	10	80	14	53.5	M16	213

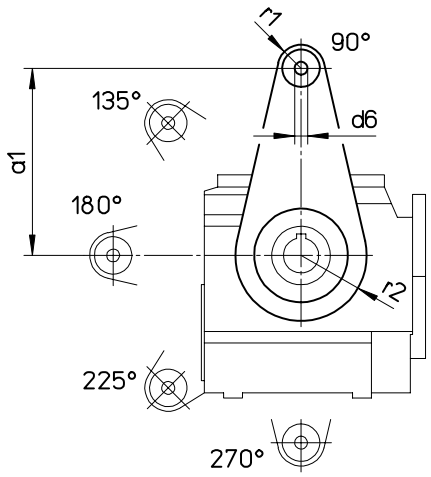
Motoreduktory Walcowo - Ślimakowe S
Wersja z wałem wyjściowym drążonym i pierścieniem zaciskowym

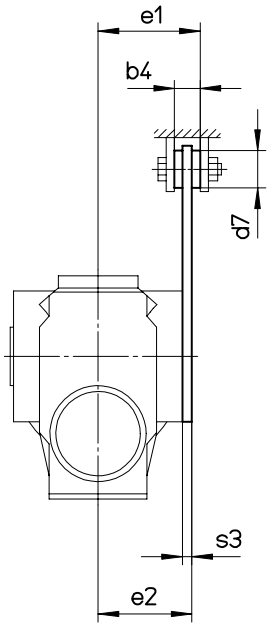




Reduktor	d14	d15	d16	m14	m15	m16	l15	l16
S1	25	45	77	143	25	27	60	97
S2	30	50	85	176	30	32	75	113
S2	35	50	85	176	30	32	75	113
S3	40	55	96	202	40	42	87.5	127
S4	50	70	116	242	50	52	105	150

Motoreduktory Walcowo - Ślimakowe S
Drążek reakcyjny T1





Reduktor	a1	b4	d6	d7	e1	e2	s3	r1	r2
S0	100	15	11	32	52.5	47	4	20	43
S1	130	15	11	32	68.5	64	6	20	49.5
S2	160	22	11	32	87	80	8	20	56
S3	200	22	11	32	99	92	8	20	61
S4	250	32	17	40	121	109	8	28	75

i	n2 [1/min] n1=1400	T2max [Nm] n1=1400	P1max [kW] n1=1400	-W	Przyłącze silnikowe -M IEC	Przyłącze silnikowe -M NEMA	Przyłącze silnikowe -M S
S02							
189.00	7.4	58	0.10	W1	63 71	56	70
159.35	8.8	58	0.11	W1	63 71	56	70
135.95	10	57	0.12	W1	63 71	56	70
117.00	12	56	0.14	W1	63 71	56	70
101.35	14	55	0.15	W1	63 71	56	70
88.20	16	53	0.16	W1	63 71	56	70
77.00	18	52	0.18	W1	63 71	56	70
69.00	20	69	0.21	W1	63 71	56	70
58.18	24	67	0.24	W1	63 71	56	70
49.63	28	66	0.27	W1	63 71	56	70
42.71	33	64	0.30	W1	63 71	56	70
37.00	38	62	0.34	W1	63 71	56	70
32.20	43	60	0.37	W1	63 71	56	70
28.11	50	58	0.41	W1	63 71	56	70
25.00	56	63	0.44	W1	63 71	56	70
21.08	66	61	0.50	W1	63 71	56	70
17.98	78	59	0.56	W1	63 71	56	70
15.48	90	57	0.63	W1	63 71	56	70
13.41	104	55	0.70	W1	63 71	56	70
12.50	112	67	0.75	W1	63 71	56	70
11.67	120	53	0.75	W1	63 71	56	70
10.54	133	65	0.75	W1	63 71	56	70
10.19	137	51	0.75	W1	63 71	56	70
8.99	156	63	0.75	W1	63 71	56	70
7.74	181	61	0.75	W1	63 71	56	70
6.70	209	59	0.75	W1	63 71	56	70
5.83	240	57	0.75	W1	63 71	56	70
5.09	275	55	0.75	W1	63 71	56	70

Motoreduktory Walcowo - Ślimakowe S

i	n2 [1/min] n1=1400	T2max [Nm] n1=1400	P1max [kW] n1=1400	-W	Przyłącze silnikowe -M IEC	Przyłącze silnikowe -M NEMA	Przyłącze silnikowe -M S
S12G03							
9007.5	0.16	188	<0.05	W1	63 71	56	70
7609.6	0.18	188	<0.05	W1	63 71	56	70
6505.9	0.22	188	<0.05	W1	63 71	56	70
5612.6	0.25	188	<0.05	W1	63 71	56	70
4874.5	0.29	188	<0.05	W1	63 71	56	70
4254.6	0.33	188	<0.05	W1	63 71	56	70
3672.3	0.38	188	<0.05	W1	63 71	56	70
3168.0	0.44	188	<0.05	W1	63 71	56	70
2751.5	0.51	187	<0.05	W1	63 71	56	70
2401.5	0.58	187	<0.05	W1	63 71	56	70
S12G02							
2108.1	0.66	187	<0.05	W1	63 71	56	70
1781.0	0.79	187	<0.05	W1	63 71	56	70
1522.7	0.92	186	<0.05	W1	63 71	56	70
1313.6	1.1	186	<0.05	W1	63 71	56	70
1140.8	1.2	186	0.05	W1	63 71	56	70
995.75	1.4	185	0.06	W1	63 71	56	70
872.16	1.6	185	0.07	W1	63 71	56	70
749.62	1.9	184	0.08	W1	63 71	56	70
646.68	2.2	184	0.09	W1	63 71	56	70
561.65	2.5	183	0.10	W1	63 71	56	70
490.22	2.9	182	0.11	W1	63 71	56	70
429.37	3.3	181	0.12	W1	63 71	56	70
375.31	3.7	180	0.14	W1	63 71	56	70
330.65	4.2	179	0.15	W1	63 71	56	70
293.14	4.8	178	0.17	W1	63 71	56	70
261.18	5.4	177	0.18	W1	63 71	56	70
234.46	6.0	176	0.20	W1	63 71	56	70
204.64	6.8	174	0.22	W1	63 71	56	70
179.24	7.8	172	0.25	W1	63 71	56	70

i	n2 [1/min] n1=1400	T2max [Nm] n1=1400	P1max [kW] n1=1400	-W	Przyłącze silnikowe -M IEC	Przyłącze silnikowe -M NEMA	Przyłącze silnikowe -M S
S12							
168.00	8.3	171	0.26	W1	63 71	56	70
143.53	9.8	168	0.29	W1	63 71	56	70
124.21	11	165	0.32	W1	63 71 80	56 140	70 90
108.57	13	162	0.35	W1	63 71 80	56 140	70 90
95.65	15	160	0.39	W1	63 71 80 90	56 140	70 90 110
84.80	17	157	0.42	W1	63 71 80 90	56 140	70 90 110
75.56	19	153	0.46	W1	63 71 80 90	56 140	70 90 110
67.83	21	150	0.49	W1	63 71 80 90	56 140	70 90 110
60.90	23	166	0.52	W1	63 71	56	70
59.20	24	146	0.54	W1	63 71 80 90	56 140	70 90 110
52.03	27	163	0.59	W1	63 71	56	70
51.85	27	141	0.59	W1	63 71 80 90	56 140	70 90 110
45.03	31	160	0.66	W2	63 71 80	56 140	70 90
39.36	36	156	0.73	W2	63 71 80 90	56 140	70 90 110
34.67	40	153	0.80	W2	63 71 80 90	56 140	70 90 110
30.74	46	150	0.88	W2	63 71 80 90	56 140	70 90 110
27.39	51	146	0.96	W2	63 71 80 90	56 140	70 90 110
24.59	57	143	1.04	W2	63 71 80 90	56 140	70 90 110
22.68	62	152	1.12	W1	63 71	56	70
21.46	65	138	1.14	W2	63 71 80 90	56 140	70 90 110
19.38	72	149	1.27	W1	63 71	56	70
18.80	74	133	1.25	W2	63 71 80 90	56 140	70 90 110
16.77	83	146	1.43	W2	63 71 80	56 140	70 90
14.66	96	142	1.50	W2	63 71 80 90	56 140	70 90 110
12.91	108	139	1.50	W2	63 71 80 90	56 140	70 90 110
11.45	122	136	1.50	W2	63 71 80 90	56 140	70 90 110
10.20	137	132	1.50	W2	63 71 80 90	56 140	70 90 110
9.16	153	129	1.50	W2	63 71 80 90	56 140	70 90 110
7.99	175	124	1.50	W2	63 71 80 90	56 140	70 90 110
7.00	200	120	1.50	W2	63 71 80 90	56 140	70 90 110

Motoreduktory Walcowo - Ślimakowe S

i	n2 [1/min] n1=1400	T2max [Nm] n1=1400	P1max [kW] n1=1400	-W	Przyłącze silnikowe -M IEC	Przyłącze silnikowe -M NEMA	Przyłącze silnikowe -M S
S22G13							
13901	0.10	340	<0.05	W1	63 71	56	70
11784	0.12	340	<0.05	W1	63 71	56	70
10114	0.14	340	<0.05	W1	63 71	56	70
8761.0	0.16	340	<0.05	W1	63 71	56	70
7643.7	0.18	340	<0.05	W1	63 71	56	70
6705.1	0.21	340	<0.05	W1	63 71	56	70
5905.6	0.24	340	<0.05	W1	63 71	56	70
5193.0	0.27	340	<0.05	W1	63 71	56	70
4456.7	0.31	340	<0.05	W1	63 71	56	70
3860.7	0.36	340	<0.05	W1	63 71	56	70
3368.3	0.42	340	<0.05	W1	63 71	56	70
S22G12							
2998.2	0.47	340	<0.05	W1	63 71	56	70
2561.5	0.55	340	<0.05	W1	63 71	56	70
2216.7	0.63	340	<0.05	W1	63 71	56	70
1937.6	0.72	340	0.05	W1	63 71	56	70
1707.1	0.82	340	0.06	W1	63 71	56	70
1513.4	0.93	335	0.07	W1	63 71	56	70
1348.4	1.0	335	0.07	W1	63 71	56	70
1210.5	1.2	335	0.08	W1	63 71	56	70
1056.5	1.3	335	0.09	W1	63 71	56	70
925.37	1.5	335	0.10	W1	63 71	56	70
850.54	1.6	335	0.11	W1	63 71	56	70
749.33	1.9	335	0.12	W1	63 71	56	70
664.32	2.1	330	0.14	W1	63 71	56	70
591.90	2.4	330	0.15	W1	63 71	56	70
531.34	2.6	330	0.17	W1	63 71	56	70
463.77	3.0	330	0.19	W1	63 71 80	56 140	70 90
406.20	3.4	325	0.21	W1	63 71 80	56 140	70 90
362.38	3.9	325	0.23	W1	63 71 80	56 140	70 90
325.05	4.3	325	0.25	W1	63 71 80	56 140	70 90
295.42	4.7	320	0.27	W1	63 71 80	56 140	70 90
260.46	5.4	320	0.30	W1	63 71 80	56 140	70 90
230.68	6.1	315	0.34	W1	63 71 80	56 140	70 90
206.44	6.8	315	0.37	W1	63 71 80	56 140	70 90
179.67	7.8	310	0.41	W1	63 71 80 90	56 140	70 90 110

i	n2 [1/min] n1=1400	T2max [Nm] n1=1400	P1max [kW] n1=1400	-W	Przyłącze silnikowe -M IEC	Przyłącze silnikowe -M NEMA	Przyłącze silnikowe -M S
S22							
207.20	6.8	315	0.37	W1	63 71	56	70
177.88	7.9	310	0.41	W1	63 71	56	70
154.74	9.0	305	0.46	W1	63 71 80	56 140	70 90
136.00	10	300	0.50	W1	63 71 80 90	56 140	70 90 110
120.52	12	295	0.54	W1	63 71 80 90	56 140	70 90 110
107.52	13	295	0.59	W2	63 71 80 90	56 140	70 90 110
96.44	15	290	0.64	W2	63 71 80 90	56 140	70 90 110
87.65	16	285	0.69	W2	63 71 80 90	56 140	70 90 110
77.28	18	275	0.75	W2	63 71 80 90 100	56 140 180	70 90 110 140
71.53	20	305	0.81	W1	63 71	56	70
68.44	20	270	0.82	W2	63 71 80 90 100	56 140 180	70 90 110 140
61.41	23	295	0.91	W1	63 71	56	70
61.25	23	265	0.88	W2	80 90 100	140 180	90 110 140
53.42	26	290	1.01	W2	63 71 80	56 140	70 90
53.31	26	255	0.97	W2	80 90 100	140 180	90 110 140
46.95	30	285	1.11	W2	63 71 80 90	56 140	70 90 110
41.61	34	280	1.20	W2	63 71 80 90 100	56 140 180	70 90 110 140
37.12	38	275	1.31	W2	63 71 80 90 100	56 140 180	70 90 110 140
33.30	42	265	1.42	W2	63 71 80 90 100	56 140 180	70 90 110 140
30.26	46	260	1.51	W2	63 71 80 90 100 112	56 140 180	70 90 110 140
26.68	52	250	1.65	W2	63 71 80 90 100 112	56 140 180	70 90 110 140
26.64	53	295	1.85	W1	63 71	56	70
23.63	59	245	1.79	W3	63 71 80 90 100 112	56 140 180	70 90 110 140
22.87	61	290	2.10	W1	63 71	56	70
21.15	66	235	1.93	W3	80 90 100 112	140 180	90 110 140
19.89	70	285	2.34	W2	63 71 80	56 140	70 90
18.40	76	225	2.12	W3	80 90 100 112	140 180	90 110 140
17.49	80	280	2.59	W2	63 71 80 90	56 140	70 90 110
15.50	90	270	2.83	W3	63 71 80 90 100	56 140 180	70 90 110 140
13.82	101	265	3.00	W3	63 71 80 90 100 112	56 140 180	70 90 110 140
12.40	113	260	3.00	W3	63 71 80 90 100 112	56 140 180	70 90 110 140
11.27	124	255	3.00	W3	63 71 80 90 100 112	56 140 180	70 90 110 140
9.94	141	245	3.00	W3	63 71 80 90 100 112	56 140 180	70 90 110 140
8.80	159	235	3.00	W3	63 71 80 90 100 112	56 140 180	70 90 110 140
7.88	178	230	3.00	W3	80 90 100 112	140 180	90 110 140
6.85	204	220	3.00	W3	80 90 100 112	140 180	90 110 140

i	n2 [1/min] n1=1400	T2max [Nm] n1=1400	P1max [kW] n1=1400	-W	Przyłącze silnikowe -M IEC	Przyłącze silnikowe -M NEMA	Przyłącze silnikowe -M S
S32G13							
18745	0.075	665	<0.05	W1	63 71	56	70
15891	0.088	665	<0.05	W1	63 71	56	70
13638	0.10	665	<0.05	W1	63 71	56	70
11814	0.12	665	<0.05	W1	63 71	56	70
10307	0.14	665	<0.05	W1	63 71	56	70
9041.7	0.15	665	<0.05	W1	63 71	56	70
7963.6	0.18	665	<0.05	W1	63 71	56	70
7002.7	0.20	665	<0.05	W1	63 71	56	70
6009.8	0.23	665	<0.05	W1	63 71	56	70
5206.1	0.27	665	<0.05	W1	63 71	56	70
4542.1	0.31	660	<0.05	W1	63 71	56	70
S32G12							
4043.0	0.35	660	<0.05	W1	63 71	56	70
3454.1	0.41	660	0.06	W1	63 71	56	70
2989.2	0.47	660	0.07	W1	63 71	56	70
2612.8	0.54	660	0.08	W1	63 71	56	70
2301.9	0.61	660	0.09	W1	63 71	56	70
2040.8	0.69	660	0.10	W1	63 71	56	70
1818.3	0.77	655	0.11	W1	63 71	56	70
1632.3	0.86	655	0.12	W1	63 71	56	70
1424.7	0.98	655	0.13	W1	63 71	56	70
1247.9	1.1	655	0.15	W1	63 71	56	70
1146.9	1.2	650	0.16	W1	63 71	56	70
1010.5	1.4	650	0.18	W1	63 71 80	56 140	70 90
895.82	1.6	650	0.20	W1	63 71 80	56 140	70 90
798.16	1.8	645	0.22	W1	63 71 80	56 140	70 90
716.51	2.0	645	0.25	W1	63 71 80	56 140	70 90
625.38	2.2	640	0.28	W1	63 71 80	56 140	70 90
547.76	2.6	635	0.31	W1	63 71 80	56 140	70 90
492.61	2.8	635	0.33	W1	63 71 80	56 140	70 90
445.64	3.1	630	0.36	W1	63 71 80	56 140	70 90
406.20	3.4	625	0.39	W1	63 71 80 90	56 140	70 90 110
362.38	3.9	625	0.42	W1	63 71 80 90	56 140	70 90 110
325.05	4.3	620	0.47	W1	63 71 80 90	56 140	70 90 110
294.91	4.7	615	0.51	W1	63 71 80 90	56 140	70 90 110
261.33	5.4	610	0.56	W1	63 71 80 90	56 140	70 90 110
230.03	6.1	600	0.62	W2	63 71 80 90	56 140	70 90 110

i	n2 [1/min] n1=1400	T2max [Nm] n1=1400	P1max [kW] n1=1400	-W	Przyłącze silnikowe -M IEC	Przyłącze silnikowe -M NEMA	Przyłącze silnikowe -M S
S32							
271.60	5.2	610	0.54	W1	63 71	56	70
234.71	6.0	605	0.61	W1	63 71	56	70
205.58	6.8	595	0.68	W2	63 71 80	56 140	70 90
182.00	7.7	585	0.74	W2	63 71 80 90	56 140	70 90 110
162.52	8.6	580	0.80	W2	63 71 80 90 100	56 140 180	70 90 110 140
146.16	9.6	570	0.86	W2	63 71 80 90 100	56 140 180	70 90 110 140
132.22	11	560	0.92	W2	63 71 80 90 100	56 140 180	70 90 110 140
120.52	12	550	0.98	W2	63 71 80 90 100	56 140 180	70 90 110 140
107.52	13	540	1.06	W2	63 71 80 90 100	56 140 180	70 90 110 140
96.44	15	530	1.14	W2	63 71 80 90 100	56 140 180	70 90 110 140
87.50	16	515	1.22	W2	80 90 100	140 180	90 110 140
77.54	18	500	1.32	W2	80 90 100	140 180	90 110 140
68.25	21	485	1.43	W2	80 90 100	140 180	90 110 140
59.77	23	465	1.55	W2	80 90 100 112	140 180	90 110 140
52.50	27	450	1.69	W3	100 112	180	140
52.21	27	635	2.12	W2	63 71 80	56 140	70 90
46.22	30	625	2.33	W2	63 71 80 90	56 140	70 90 110
41.28	34	615	2.54	W3	63 71 80 90 100	56 140 180	70 90 110 140
37.12	38	600	2.75	W3	63 71 80 90 100 112	56 140 180	70 90 110 140
33.58	42	590	2.95	W3	63 71 80 90 100 112	56 140 180	70 90 110 140
30.61	46	575	3.14	W3	63 71 80 90 100 112	56 140 180	70 90 110 140
27.31	51	560	3.42	W3	63 71 80 90 100 112 132	56 140 180 210	70 90 110 140 190
24.49	57	545	3.70	W3	63 71 80 90 100 112 132	56 140 180 210	70 90 110 140 190
22.44	62	530	3.84	W3	63 71 80 90 100	56 140 180	70 90 110 140
22.22	63	535	3.96	W3	80 90 100 112 132	140 180 210	90 110 140 190
20.18	69	525	4.00	W3	63 71 80 90 100 112	56 140 180	70 90 110 140
19.69	71	515	4.00	W3	80 90 100 112 132	140 180 210	90 110 140 190
18.26	77	515	4.00	W3	63 71 80 90 100 112	56 140 180	70 90 110 140
17.33	81	495	4.00	W4	80 90 100 112 132	140 180 210	90 110 140 190
16.64	84	525	4.00	W3	63 71 80 90 100 112	56 140 180	70 90 110 140
15.18	92	470	4.00	W4	80 90 100 112 132	140 180 210	90 110 140 190
14.85	94	510	4.00	W4	63 71 80 90 100 112 132	56 140 180 210	70 90 110 140 190
13.33	105	450	4.00	W4	100 112 132	180 210	140 190
13.32	105	495	4.00	W4	63 71 80 90 100 112 132	56 140 180 210	70 90 110 140 190
12.08	116	485	4.00	W4	80 90 100 112 132	140 180 210	90 110 140 190
10.71	131	465	4.00	W4	80 90 100 112 132	140 180 210	90 110 140 190
9.43	149	445	4.00	W4	80 90 100 112 132	140 180 210	90 110 140 190
8.25	170	425	4.00	W4	80 90 100 112 132	140 180 210	90 110 140 190
7.25	193	405	4.00	W4	100 112 132	180 210	140 190

Motoreduktory Walcowo - Ślimakowe S

i	n2 [1/min] n1=1400	T2max [Nm] n1=1400	P1max [kW] n1=1400	-W	Przyłącze silnikowe -M IEC	Przyłącze silnikowe -M NEMA	Przyłącze silnikowe -M S
S42G23							
20360	0.069	1530	<0.05	W1	63 71	56	70
17395	0.080	1530	<0.05	W1	63 71	56	70
15053	0.093	1530	<0.05	W1	63 71	56	70
13158	0.11	1530	<0.05	W1	63 71	56	70
11592	0.12	1530	<0.05	W1	63 71	56	70
10277	0.14	1530	<0.05	W1	63 71	56	70
9221.9	0.15	1530	0.05	W1	63 71	56	70
8060.8	0.17	1530	0.06	W1	63 71	56	70
7101.6	0.20	1530	0.07	W1	63 71	56	70
6295.9	0.22	1530	0.08	W1	63 71	56	70
5512.1	0.25	1530	0.09	W1	63 71	56	70
4856.2	0.29	1520	0.10	W1	63 71	56	70
4305.3	0.33	1520	0.11	W1	63 71	56	70
S42G22							
3878.1	0.36	1520	0.12	W1	63 71	56	70
3329.4	0.42	1520	0.14	W1	63 71	56	70
2896.2	0.48	1520	0.16	W1	63 71	56	70
2545.5	0.55	1510	0.18	W1	63 71	56	70
2255.8	0.62	1510	0.20	W1	63 71 80	56 140	70 90
2012.4	0.70	1510	0.22	W1	63 71 80	56 140	70 90
1805.1	0.78	1510	0.24	W1	63 71 80	56 140	70 90
1640.6	0.85	1500	0.27	W1	63 71 80	56 140	70 90
1446.4	0.97	1500	0.30	W1	63 71 80	56 140	70 90
1281.1	1.1	1500	0.33	W1	63 71 80	56 140	70 90
1156.1	1.2	1490	0.37	W1	63 71 80	56 140	70 90
1064.2	1.3	1490	0.39	W1	63 71 80 90	56 140	70 90 110
934.35	1.5	1480	0.44	W1	63 71 80 90	56 140	70 90 110
838.10	1.7	1470	0.48	W1	63 71 80 90	56 140	70 90 110
761.70	1.8	1470	0.52	W1	63 71 80 90	56 140	70 90 110
671.56	2.1	1460	0.58	W1	63 71 80 90	56 140	70 90 110
594.78	2.4	1450	0.64	W2	63 71 80 90	56 140	70 90 110
536.78	2.6	1440	0.69	W2	63 71 80 90	56 140	70 90 110
494.08	2.8	1430	0.73	W2	63 71 80 90	56 140	70 90 110
441.60	3.2	1420	0.79	W2	63 71 80 90 100	56 140 180	70 90 110 140
392.13	3.6	1410	0.86	W2	63 71 80 90 100	56 140 180	70 90 110 140
384.81	3.6	1410	0.88	W2	80 90 100	140 180	90 110 140
347.49	4.0	1390	0.96	W2	63 71 80 90 100	56 140 180	70 90 110 140
343.94	4.1	1390	0.96	W2	80 90 100	140 180	90 110 140
309.22	4.5	1380	1.05	W2	63 71 80 90 100	56 140 180	70 90 110 140
305.41	4.6	1380	1.06	W2	80 90 100	140 180	90 110 140
270.64	5.2	1360	1.17	W2	80 90 100	140 180	90 110 140
264.91	5.3	1360	1.19	W2	63 71 80 90 100	56 140 180	70 90 110 140
240.84	5.8	1350	1.29	W2	80 90 100	140 180	90 110 140

i	n2 [1/min] n1=1400	T2max [Nm] n1=1400	P1max [kW] n1=1400	-W	Przyłącze silnikowe -M IEC	Przyłącze silnikowe -M NEMA	Przyłącze silnikowe -M S
S42							
247.58	5.7	1350	1.26	W2	63 71 80	56 140	70 90
220.00	6.4	1330	1.38	W2	63 71 80 90	56 140	70 90 110
197.22	7.1	1310	1.49	W2	63 71 80 90 100	56 140 180	70 90 110 140
178.08	7.9	1290	1.60	W2	63 71 80 90 100 112	56 140 180	70 90 110 140
161.78	8.7	1270	1.71	W2	63 71 80 90 100 112	56 140 180	70 90 110 140
147.91	9.5	1250	1.81	W3	63 71 80 90 100 112	56 140 180	70 90 110 140
132.72	11	1220	1.93	W3	63 71 80 90 100 112	56 140 180	70 90 110 140
119.78	12	1180	2.05	W3	63 71 80 90 100 112	56 140 180	70 90 110 140
110.25	13	1160	2.16	W3	80 90 100 112	140 180	90 110 140
98.54	14	1130	2.33	W3	80 90 100 112	140 180	90 110 140
87.50	16	1090	2.51	W3	80 90 100 112	140 180	90 110 140
77.54	18	1050	2.68	W3	80 90 100 112	140 180	90 110 140
69.00	20	1000	2.84	W3	100 112	180	140
59.37	24	1260	3.59	W2	63 71 80 90	56 140	70 90 110
59.11	24	920	3.00	W4	132	210	190
53.22	26	1390	4.38	W3	63 71 80 90 100	56 140 180	70 90 110 140
52.14	27	915	3.37	W4	132	210	190
48.05	29	1360	4.74	W3	63 71 80 90 100 112	56 140 180	70 90 110 140
43.65	32	1320	5.0	W3	63 71 80 90 100 112	56 140 180	70 90 110 140
39.91	35	1250	5.2	W3	63 71 80 90 100 112	56 140 180	70 90 110 140
35.81	39	1250	5.7	W4	63 71 80 90 100 112 132	56 140 180 210	70 90 110 140 190
32.48	43	870	4.32	W2	63 71 80 90	56 140	70 90 110
32.32	43	1200	6.1	W4	63 71 80 90 100 112 132	56 140 180 210	70 90 110 140 190
29.75	47	1140	6.2	W4	80 90 100 112 132	140 180 210	90 110 140 190
29.11	48	865	4.78	W3	63 71 80 90 100	56 140 180	70 90 110 140
26.59	53	1140	7.0	W4	80 90 100 112 132	140 180 210	90 110 140 190
26.29	53	855	5.2	W3	63 71 80 90 100 112	56 140 180	70 90 110 140
23.88	59	850	5.7	W3	63 71 80 90 100 112	56 140 180	70 90 110 140
23.61	59	1080	7.4	W4	80 90 100 112 132	140 180 210	90 110 140 190
21.83	64	1010	7.3	W3	63 71 80 90 100 112	56 140 180	70 90 110 140
20.92	67	1010	7.5	W4	80 90 100 112 132	140 180 210	90 110 140 190
19.59	71	995	7.5	W4	63 71 80 90 100 112 132	56 140 180 210	70 90 110 140 190
18.62	75	950	7.5	W4	100 112 132	180 210	140 190
17.68	79	985	7.5	W4	63 71 80 90 100 112 132	56 140 180 210	70 90 110 140 190
16.28	86	1050	7.5	W4	80 90 100 112 132	140 180 210	90 110 140 190
15.95	88	885	7.5	W4	132	210	190
14.55	96	1000	7.5	W4	80 90 100 112 132	140 180 210	90 110 140 190
14.07	100	820	7.5	W4	132	210	190
12.92	108	940	7.5	W4	80 90 100 112 132	140 180 210	90 110 140 190
11.45	122	885	7.5	W4	80 90 100 112 132	140 180 210	90 110 140 190
10.19	137	835	7.5	W4	100 112 132	180 210	140 190
8.73	160	775	7.5	W4	132	210	190
7.70	182	725	7.5	W4	132	210	190

S02

		n1=3400 1/min				n1=2800 1/min				n1=1700 1/min				n1=1400 1/min			
i	is	n2 [1/min]	T2max [Nm]	P1max [kW]	η	n2 [1/min]	T2max [Nm]	P1max [kW]	η	n2 [1/min]	T2max [Nm]	P1max [kW]	η	n2 [1/min]	T2max [Nm]	P1max [kW]	η
189.00	1/63	18	52	0.18	0.55	15	54	0.16	0.53	9.0	57	0.11	0.49	7.4	58	0.10	0.47
159.35	1/63	21	50	0.20	0.57	18	52	0.17	0.55	11	57	0.13	0.50	8.8	58	0.11	0.49
135.95	1/63	25	48	0.22	0.58	21	51	0.19	0.56	13	56	0.14	0.51	10	57	0.12	0.50
117.00	1/63	29	46	0.24	0.59	24	49	0.21	0.58	15	54	0.16	0.53	12	56	0.14	0.51
101.35	1/63	34	44	0.26	0.60	28	47	0.23	0.59	17	53	0.17	0.54	14	55	0.15	0.52
88.20	1/63	39	42	0.28	0.61	32	45	0.25	0.60	19	51	0.19	0.56	16	53	0.16	0.54
77.00	1/63	44	40	0.30	0.62	36	43	0.27	0.61	22	50	0.20	0.57	18	52	0.18	0.55
69.00	1/23	49	58	0.40	0.75	41	61	0.35	0.73	25	67	0.25	0.70	20	69	0.21	0.68
58.18	1/23	58	56	0.45	0.76	48	59	0.40	0.75	29	65	0.28	0.71	24	67	0.24	0.70
49.63	1/23	69	53	0.49	0.77	56	56	0.44	0.76	34	63	0.31	0.72	28	66	0.27	0.71
42.71	1/23	80	51	0.54	0.78	66	54	0.48	0.77	40	61	0.35	0.73	33	64	0.30	0.72
37.00	1/23	92	48	0.58	0.79	76	52	0.52	0.78	46	59	0.38	0.74	38	62	0.34	0.73
32.20	1/23	106	46	0.63	0.79	87	49	0.56	0.79	53	57	0.42	0.75	43	60	0.37	0.74
28.11	1/23	121	43	0.68	0.80	100	47	0.61	0.79	60	55	0.46	0.76	50	58	0.41	0.75
25.00	3/25	136	51	0.75	0.87	112	54	0.73	0.87	68	61	0.51	0.85	56	63	0.44	0.83
21.08	3/25	161	49	0.75	0.88	133	52	0.75	0.87	81	59	0.58	0.85	66	61	0.50	0.84
17.98	3/25	189	46	0.75	0.88	156	49	0.75	0.88	95	56	0.65	0.86	78	59	0.56	0.85
15.48	3/25	220	44	0.75	0.89	181	47	0.75	0.88	110	54	0.72	0.87	90	57	0.63	0.86
13.41	3/25	254	41	0.75	0.89	209	45	0.75	0.88	127	52	0.75	0.87	104	55	0.70	0.86
12.50	6/25	272	55	0.75	0.92	224	58	0.75	0.92	136	65	0.75	0.91	112	67	0.75	0.90
11.67	3/25	291	39	0.75	0.89	240	42	0.75	0.89	146	50	0.75	0.87	120	53	0.75	0.87
10.54	6/25	323	52	0.75	0.93	266	56	0.75	0.92	161	63	0.75	0.91	133	65	0.75	0.90
10.19	3/25	334	37	0.75	0.90	275	40	0.75	0.89	167	48	0.75	0.88	137	51	0.75	0.87
8.99	6/25	378	49	0.75	0.93	311	53	0.75	0.93	189	60	0.75	0.92	156	63	0.75	0.91
7.74	6/25	439	47	0.75	0.94	362	50	0.75	0.93	220	58	0.75	0.92	181	61	0.75	0.92
6.70	6/25	507	44	0.75	0.94	418	48	0.75	0.93	254	56	0.75	0.92	209	59	0.75	0.92
5.83	6/25	583	42	0.75	0.94	480	45	0.75	0.94	291	54	0.75	0.92	240	57	0.75	0.92
5.09	6/25	668	39	0.75	0.94	550	43	0.75	0.94	334	52	0.75	0.93	275	55	0.75	0.92

S02

		n1=900 1/min				n1=700 1/min				n1=500 1/min				n1=10 1/min			
i	is	n2 [1/min]	T2max [Nm]	P1max [kW]	η	n2 [1/min]	T2max [Nm]	P1max [kW]	η	n2 [1/min]	T2max [Nm]	P1max [kW]	η	n2 [1/min]	T2max [Nm]	P1max [kW]	η
189.00	1/63	4.8	61	0.07	0.43	3.7	62	0.06	0.41	2.6	63	<0.05	0.39	0.053	65	<0.05	0.32
159.35	1/63	5.6	60	0.08	0.44	4.4	61	0.07	0.42	3.1	62	0.05	0.40	0.063	65	<0.05	0.32
135.95	1/63	6.6	59	0.09	0.46	5.1	61	0.08	0.43	3.7	62	0.06	0.41	0.074	65	<0.05	0.32
117.00	1/63	7.7	58	0.10	0.48	6.0	60	0.08	0.45	4.3	61	0.07	0.42	0.085	65	<0.05	0.32
101.35	1/63	8.9	58	0.11	0.49	6.9	59	0.09	0.46	4.9	61	0.07	0.43	0.099	65	<0.05	0.32
88.20	1/63	10	57	0.12	0.50	7.9	58	0.10	0.48	5.7	60	0.08	0.44	0.11	65	<0.05	0.32
77.00	1/63	12	56	0.14	0.51	9.1	57	0.11	0.49	6.5	59	0.09	0.46	0.13	65	<0.05	0.32
69.00	1/23	13	72	0.15	0.64	10	73	0.13	0.62	7.2	75	0.09	0.60	0.14	78	<0.05	0.51
58.18	1/23	15	71	0.18	0.65	12	72	0.14	0.63	8.6	74	0.11	0.61	0.17	78	<0.05	0.51
49.63	1/23	18	70	0.20	0.67	14	72	0.16	0.64	10	73	0.12	0.62	0.20	78	<0.05	0.51
42.71	1/23	21	68	0.22	0.69	16	70	0.18	0.66	12	73	0.14	0.63	0.23	78	<0.05	0.51
37.00	1/23	24	67	0.24	0.70	19	69	0.20	0.67	14	72	0.16	0.64	0.27	78	<0.05	0.51
32.20	1/23	28	66	0.27	0.71	22	68	0.22	0.69	16	71	0.18	0.65	0.31	78	<0.05	0.51
28.11	1/23	32	64	0.30	0.72	25	67	0.25	0.70	18	70	0.20	0.67	0.36	78	<0.05	0.51
25.00	3/25	36	66	0.31	0.80	28	67	0.25	0.79	20	69	0.19	0.77	0.40	72	<0.05	0.69
21.08	3/25	43	65	0.36	0.81	33	66	0.29	0.80	24	68	0.22	0.78	0.47	72	<0.05	0.69
17.98	3/25	50	64	0.41	0.82	39	66	0.33	0.80	28	67	0.25	0.79	0.56	72	<0.05	0.69
15.48	3/25	58	62	0.45	0.84	45	64	0.37	0.82	32	67	0.28	0.79	0.65	72	<0.05	0.69
13.41	3/25	67	61	0.51	0.84	52	63	0.42	0.83	37	66	0.32	0.80	0.75	72	<0.05	0.69
12.50	6/25	72	71	0.61	0.88	56	72	0.49	0.87	40	74	0.36	0.86	0.80	77	<0.05	0.80
11.67	3/25	77	59	0.56	0.85	60	62	0.46	0.84	43	65	0.36	0.81	0.86	72	<0.05	0.69
10.54	6/25	85	69	0.70	0.88	66	71	0.57	0.87	47	73	0.42	0.87	0.95	77	<0.05	0.80
10.19	3/25	88	57	0.62	0.86	69	61	0.52	0.85	49	64	0.40	0.82	0.98	72	<0.05	0.69
8.99	6/25	100	68	0.75	0.89	78	70	0.65	0.88	56	72	0.48	0.87	1.1	77	<0.05	0.80
7.74	6/25	116	66	0.75	0.90	90	69	0.74	0.89	65	71	0.55	0.87	1.3	77	<0.05	0.80
6.70	6/25	134	65	0.75	0.90	104	67	0.75	0.89	75	70	0.63	0.88	1.5	77	<0.05	0.80
5.83	6/25	154	63	0.75	0.91	120	66	0.75	0.90	86	69	0.70	0.88	1.7	77	<0.05	0.80
5.09	6/25	177	61	0.75	0.92	137	65	0.75	0.91	98	68	0.75	0.89	2.0	77	<0.05	0.80

Motoreduktory Walcowo - Ślimakowe S

S12

		n1=3400 1/min				n1=2800 1/min				n1=1700 1/min				n1=1400 1/min			
i	is	n2 [1/min]	T2max [Nm]	P1max [kW]	η	n2 [1/min]	T2max [Nm]	P1max [kW]	η	n2 [1/min]	T2max [Nm]	P1max [kW]	η	n2 [1/min]	T2max [Nm]	P1max [kW]	η
168.00	1/40	20	151	0.49	0.66	17	156	0.43	0.64	10	168	0.30	0.59	8.3	171	0.26	0.57
143.53	1/40	24	146	0.54	0.67	20	152	0.47	0.65	12	164	0.33	0.61	9.8	168	0.29	0.59
124.21	1/40	27	141	0.59	0.68	23	148	0.52	0.67	14	161	0.37	0.63	11	165	0.32	0.61
108.57	1/40	31	136	0.65	0.69	26	143	0.57	0.68	16	158	0.41	0.64	13	162	0.35	0.62
95.65	1/40	36	131	0.70	0.70	29	139	0.62	0.69	18	155	0.45	0.65	15	160	0.39	0.63
84.80	1/40	40	126	0.75	0.70	33	134	0.67	0.69	20	151	0.48	0.66	17	157	0.42	0.64
75.56	1/40	45	121	0.80	0.71	37	129	0.71	0.70	23	148	0.52	0.67	19	153	0.46	0.65
67.83	1/40	50	116	0.84	0.72	41	124	0.76	0.71	25	144	0.56	0.68	21	150	0.49	0.66
60.90	2/29	56	144	1.02	0.82	46	150	0.89	0.81	28	162	0.61	0.78	23	166	0.52	0.76
59.20	1/40	57	110	0.91	0.73	47	119	0.82	0.72	29	139	0.61	0.69	24	146	0.54	0.67
52.03	2/29	65	138	1.14	0.83	54	145	0.99	0.82	33	158	0.68	0.79	27	163	0.59	0.77
51.85	1/40	66	104	0.98	0.73	54	113	0.88	0.72	33	134	0.66	0.69	27	141	0.59	0.68
45.03	2/29	76	133	1.26	0.83	62	140	1.10	0.83	38	155	0.76	0.80	31	160	0.66	0.79
39.36	2/29	86	128	1.38	0.84	71	135	1.21	0.83	43	151	0.85	0.81	36	156	0.73	0.80
34.67	2/29	98	123	1.49	0.85	81	131	1.32	0.84	49	148	0.93	0.82	40	153	0.80	0.81
30.74	2/29	111	117	1.50	0.85	91	126	1.42	0.84	55	144	1.01	0.82	46	150	0.88	0.81
27.39	2/29	124	112	1.50	0.86	102	121	1.50	0.85	62	140	1.10	0.83	51	146	0.96	0.82
24.59	2/29	138	107	1.50	0.86	114	116	1.50	0.85	69	136	1.19	0.83	57	143	1.04	0.82
22.68	5/27	150	130	1.50	0.91	123	136	1.50	0.91	75	148	1.31	0.89	62	152	1.12	0.88
21.46	2/29	158	101	1.50	0.86	130	110	1.50	0.86	79	131	1.30	0.84	65	138	1.14	0.83
19.38	5/27	175	124	1.50	0.92	145	131	1.50	0.91	88	144	1.48	0.90	72	149	1.27	0.88
18.80	2/29	181	95	1.50	0.87	149	104	1.50	0.86	90	126	1.42	0.84	74	133	1.25	0.83
16.77	5/27	203	119	1.50	0.92	167	126	1.50	0.92	101	141	1.50	0.90	83	146	1.43	0.89
14.66	5/27	232	114	1.50	0.93	191	121	1.50	0.92	116	137	1.50	0.91	96	142	1.50	0.90
12.91	5/27	263	109	1.50	0.93	217	117	1.50	0.92	132	134	1.50	0.91	108	139	1.50	0.90
11.45	5/27	297	105	1.50	0.93	245	112	1.50	0.93	148	130	1.50	0.91	122	136	1.50	0.91
10.20	5/27	333	100	1.50	0.93	275	108	1.50	0.93	167	126	1.50	0.92	137	132	1.50	0.91
9.16	5/27	371	95	1.50	0.93	306	103	1.50	0.93	186	122	1.50	0.92	153	129	1.50	0.91
7.99	5/27	425	90	1.50	0.93	350	98	1.50	0.93	213	118	1.50	0.92	175	124	1.50	0.92
7.00	5/27	486	84	1.50	0.94	400	92	1.50	0.93	243	113	1.50	0.93	200	120	1.50	0.92

S12

		n1=900 1/min				n1=700 1/min				n1=500 1/min				n1=10 1/min			
i	is	n2 [1/min]	T2max [Nm]	P1max [kW]	η	n2 [1/min]	T2max [Nm]	P1max [kW]	η	n2 [1/min]	T2max [Nm]	P1max [kW]	η	n2 [1/min]	T2max [Nm]	P1max [kW]	η
168.00	1/40	5.4	177	0.18	0.54	4.2	179	0.15	0.52	3.0	182	0.11	0.50	0.060	188	<0.05	0.42
143.53	1/40	6.3	175	0.21	0.55	4.9	178	0.17	0.53	3.5	181	0.13	0.51	0.070	188	<0.05	0.42
124.21	1/40	7.2	173	0.23	0.56	5.6	176	0.19	0.54	4.0	179	0.14	0.52	0.081	188	<0.05	0.42
108.57	1/40	8.3	171	0.26	0.57	6.4	175	0.21	0.55	4.6	178	0.16	0.53	0.092	188	<0.05	0.42
95.65	1/40	9.4	169	0.28	0.58	7.3	173	0.24	0.56	5.2	177	0.18	0.54	0.10	188	<0.05	0.42
84.80	1/40	11	167	0.31	0.60	8.3	171	0.26	0.57	5.9	176	0.20	0.54	0.12	188	<0.05	0.42
75.56	1/40	12	164	0.33	0.61	9.3	169	0.28	0.58	6.6	174	0.22	0.55	0.13	188	<0.05	0.42
67.83	1/40	13	162	0.36	0.62	10	167	0.30	0.60	7.4	173	0.24	0.56	0.15	188	<0.05	0.42
60.90	2/29	15	173	0.36	0.73	11	175	0.29	0.72	8.2	178	0.22	0.70	0.16	185	<0.05	0.63
59.20	1/40	15	159	0.40	0.63	12	164	0.33	0.61	8.4	171	0.26	0.57	0.17	188	<0.05	0.42
52.03	2/29	17	171	0.42	0.74	13	174	0.33	0.73	9.6	177	0.25	0.71	0.19	185	<0.05	0.63
51.85	1/40	17	155	0.44	0.64	14	161	0.37	0.62	9.6	169	0.29	0.59	0.19	188	<0.05	0.42
45.03	2/29	20	168	0.47	0.75	16	172	0.38	0.74	11	175	0.28	0.72	0.22	185	<0.05	0.63
39.36	2/29	23	166	0.52	0.76	18	170	0.43	0.74	13	174	0.32	0.73	0.25	185	<0.05	0.63
34.67	2/29	26	164	0.58	0.77	20	168	0.47	0.75	14	173	0.36	0.73	0.29	185	<0.05	0.63
30.74	2/29	29	161	0.63	0.78	23	166	0.52	0.76	16	171	0.39	0.74	0.33	185	<0.05	0.63
27.39	2/29	33	158	0.69	0.79	26	164	0.57	0.77	18	170	0.43	0.75	0.37	185	<0.05	0.63
24.59	2/29	37	156	0.74	0.80	28	162	0.62	0.78	20	168	0.48	0.75	0.41	185	<0.05	0.63
22.68	5/27	40	159	0.77	0.86	31	161	0.61	0.85	22	164	0.45	0.84	0.44	171	<0.05	0.79
21.46	2/29	42	152	0.83	0.81	33	158	0.68	0.79	23	166	0.53	0.76	0.47	185	<0.05	0.63
19.38	5/27	46	157	0.88	0.86	36	160	0.70	0.86	26	163	0.52	0.85	0.52	171	<0.05	0.79
18.80	2/29	48	148	0.91	0.82	37	155	0.75	0.80	27	163	0.59	0.77	0.53	185	<0.05	0.63
16.77	5/27	54	154	1.00	0.87	42	158	0.80	0.86	30	161	0.59	0.85	0.60	171	<0.05	0.79
14.66	5/27	61	152	1.12	0.88	48	156	0.90	0.87	34	160	0.67	0.85	0.68	171	<0.05	0.79
12.91	5/27	70	150	1.24	0.88	54	154	1.01	0.87	39	159	0.75	0.86	0.77	171	<0.05	0.79
11.45	5/27	79	147	1.36	0.89	61	152	1.11	0.88	44	157	0.83	0.86	0.87	171	<0.05	0.79
10.20	5/27	88	144	1.49	0.90	69	150	1.22	0.88	49	156	0.92	0.87	0.98	171	<0.05	0.79
9.16	5/27	98	142	1.50	0.90	76	148	1.33	0.89	55	154	1.01	0.87	1.1	171	<0.05	0.79
7.99	5/27	113	138	1.50	0.90	88	144	1.48	0.90	63	152	1.13	0.88	1.3	171	<0.05	0.79
7.00	5/27	129	134	1.50	0.91	100	141	1.50	0.90	71	149	1.26	0.88	1.4	171	<0.05	0.79

Motoreduktory Walcowo - Ślimakowe S

S22

		n1=3400 1/min				n1=2800 1/min				n1=1700 1/min				n1=1400 1/min			
i	is	n2 [1/min]	T2max [Nm]	P1max [kW]	η	n2 [1/min]	T2max [Nm]	P1max [kW]	η	n2 [1/min]	T2max [Nm]	P1max [kW]	η	n2 [1/min]	T2max [Nm]	P1max [kW]	η
207.20	1/42	16	280	0.70	0.69	14	290	0.61	0.68	8.2	310	0.42	0.63	6.8	315	0.37	0.61
177.88	1/42	19	275	0.78	0.70	16	285	0.68	0.69	9.6	305	0.47	0.64	7.9	310	0.41	0.62
154.74	1/42	22	265	0.86	0.71	18	275	0.75	0.70	11	300	0.52	0.66	9.0	305	0.46	0.64
136.00	1/42	25	260	0.94	0.72	21	270	0.82	0.71	13	295	0.57	0.67	10	300	0.50	0.65
120.52	1/42	28	250	1.02	0.73	23	265	0.89	0.72	14	290	0.63	0.68	12	295	0.54	0.67
107.52	1/42	32	245	1.09	0.74	26	255	0.96	0.73	16	285	0.68	0.69	13	295	0.59	0.68
96.44	1/42	35	235	1.16	0.75	29	250	1.04	0.73	18	280	0.74	0.70	15	290	0.64	0.68
87.65	1/42	39	230	1.23	0.75	32	245	1.10	0.74	19	275	0.79	0.71	16	285	0.69	0.69
77.28	1/42	44	220	1.33	0.76	36	235	1.18	0.75	22	265	0.86	0.71	18	275	0.75	0.70
71.53	2/29	48	260	1.54	0.84	39	270	1.34	0.83	24	295	0.94	0.78	20	305	0.81	0.77
68.44	1/42	50	210	1.43	0.76	41	225	1.27	0.75	25	260	0.93	0.72	20	270	0.82	0.71
61.41	2/29	55	250	1.71	0.84	46	260	1.50	0.83	28	290	1.05	0.80	23	295	0.91	0.78
61.25	1/42	56	200	1.52	0.77	46	215	1.36	0.76	28	255	1.01	0.73	23	265	0.88	0.72
53.42	2/29	64	240	1.88	0.85	52	250	1.65	0.84	32	280	1.16	0.81	26	290	1.01	0.79
53.31	1/42	64	190	1.64	0.77	53	205	1.48	0.76	32	245	1.10	0.74	26	255	0.97	0.73
46.95	2/29	72	230	2.05	0.85	60	245	1.80	0.84	36	275	1.27	0.82	30	285	1.11	0.80
41.61	2/29	82	220	2.22	0.85	67	235	1.95	0.85	41	270	1.39	0.83	34	280	1.20	0.82
37.12	2/29	92	215	2.38	0.86	75	225	2.11	0.85	46	260	1.50	0.83	38	275	1.31	0.82
33.30	2/29	102	205	2.53	0.86	84	220	2.26	0.85	51	255	1.62	0.84	42	265	1.42	0.83
30.26	2/29	112	196	2.67	0.86	93	210	2.40	0.86	56	250	1.73	0.84	46	260	1.51	0.83
26.68	2/29	127	185	2.84	0.87	105	200	2.57	0.86	64	240	1.88	0.85	52	250	1.65	0.84
26.64	5/27	128	250	3.00	0.92	105	265	3.00	0.91	64	290	2.17	0.89	53	295	1.85	0.89
23.63	2/29	144	174	3.00	0.87	118	191	2.74	0.86	72	230	2.04	0.85	59	245	1.79	0.84
22.87	5/27	149	240	3.00	0.92	122	255	3.00	0.92	74	280	2.45	0.90	61	290	2.10	0.89
21.15	2/29	161	166	3.00	0.87	132	181	2.89	0.87	80	225	2.20	0.85	66	235	1.93	0.85
19.89	5/27	171	230	3.00	0.93	141	245	3.00	0.92	85	275	2.72	0.91	70	285	2.34	0.90
18.40	2/29	185	154	3.00	0.88	152	170	3.00	0.87	92	210	2.39	0.86	76	225	2.12	0.85
17.49	5/27	194	220	3.00	0.93	160	235	3.00	0.92	97	270	2.99	0.91	80	280	2.59	0.90
15.50	5/27	219	215	3.00	0.93	181	225	3.00	0.93	110	260	3.00	0.91	90	270	2.83	0.91
13.82	5/27	246	205	3.00	0.94	203	220	3.00	0.93	123	255	3.00	0.92	101	265	3.00	0.91
12.40	5/27	274	194	3.00	0.94	226	210	3.00	0.93	137	245	3.00	0.92	113	260	3.00	0.91
11.27	5/27	302	187	3.00	0.94	248	205	3.00	0.94	151	240	3.00	0.92	124	255	3.00	0.92
9.94	5/27	342	176	3.0	0.94	282	192	3.0	0.94	171	231	3.0	0.93	141	244	3.0	0.92
8.80	5/27	386	166	3.0	0.94	318	183	3.0	0.94	193	222	3.0	0.93	159	236	3.0	0.92
7.88	5/27	432	158	3.0	0.94	356	173	3.0	0.94	216	214	3.0	0.93	178	228	3.0	0.93
6.85	5/27	496	146	3.0	0.94	409	162	3.0	0.94	248	203	3.0	0.94	204	218	3.0	0.93

S22

		n1=900 1/min				n1=700 1/min				n1=500 1/min				n1=10 1/min			
i	is	n2 [1/min]	T2max [Nm]	P1max [kW]	η	n2 [1/min]	T2max [Nm]	P1max [kW]	η	n2 [1/min]	T2max [Nm]	P1max [kW]	η	n2 [1/min]	T2max [Nm]	P1max [kW]	η
207.20	1/42	4.3	325	0.25	0.58	3.4	325	0.20	0.56	2.4	330	0.16	0.54	0.048	340	<0.05	0.48
177.88	1/42	5.1	320	0.29	0.59	3.9	325	0.23	0.57	2.8	330	0.18	0.55	0.056	340	<0.05	0.48
154.74	1/42	5.8	320	0.32	0.60	4.5	325	0.26	0.58	3.2	325	0.20	0.56	0.065	340	<0.05	0.48
136.00	1/42	6.6	315	0.36	0.61	5.1	320	0.29	0.59	3.7	325	0.22	0.57	0.074	340	<0.05	0.48
120.52	1/42	7.5	310	0.40	0.62	5.8	320	0.32	0.60	4.1	325	0.24	0.58	0.083	340	<0.05	0.48
107.52	1/42	8.4	310	0.43	0.63	6.5	315	0.36	0.61	4.7	320	0.27	0.58	0.093	340	<0.05	0.48
96.44	1/42	9.3	305	0.47	0.64	7.3	315	0.39	0.61	5.2	320	0.29	0.59	0.10	340	<0.05	0.48
87.65	1/42	10	300	0.50	0.65	8.0	310	0.42	0.62	5.7	320	0.32	0.60	0.11	340	<0.05	0.48
77.28	1/42	12	295	0.54	0.67	9.1	305	0.46	0.64	6.5	315	0.35	0.60	0.13	340	<0.05	0.48
71.53	2/29	13	315	0.56	0.75	9.8	320	0.45	0.73	7.0	325	0.34	0.71	0.14	340	<0.05	0.64
68.44	1/42	13	290	0.59	0.68	10	300	0.50	0.65	7.3	315	0.39	0.61	0.15	340	<0.05	0.48
61.41	2/29	15	310	0.63	0.75	11	315	0.51	0.74	8.1	325	0.38	0.72	0.16	340	<0.05	0.64
61.25	1/42	15	290	0.65	0.68	11	300	0.54	0.66	8.2	310	0.42	0.63	0.16	340	<0.05	0.48
53.42	2/29	17	310	0.71	0.76	13	315	0.58	0.75	9.4	320	0.43	0.73	0.19	340	<0.05	0.64
53.31	1/42	17	280	0.71	0.70	13	290	0.59	0.68	9.4	305	0.47	0.64	0.19	340	<0.05	0.48
46.95	2/29	19	305	0.79	0.77	15	310	0.64	0.76	11	320	0.48	0.74	0.21	340	<0.05	0.64
41.61	2/29	22	300	0.87	0.78	17	310	0.71	0.76	12	315	0.53	0.75	0.24	340	<0.05	0.64
37.12	2/29	24	295	0.95	0.79	19	305	0.78	0.77	13	315	0.59	0.75	0.27	340	<0.05	0.64
33.30	2/29	27	290	1.03	0.80	21	300	0.85	0.78	15	310	0.65	0.76	0.30	340	<0.05	0.64
30.26	2/29	30	285	1.10	0.80	23	295	0.92	0.78	17	310	0.70	0.76	0.33	340	<0.05	0.64
26.68	2/29	34	280	1.20	0.82	26	290	1.01	0.79	19	305	0.78	0.77	0.37	340	<0.05	0.64
26.64	5/27	34	310	1.25	0.87	26	315	1.00	0.87	19	305	0.71	0.84	0.38	285	<0.05	0.79
23.63	2/29	38	270	1.32	0.82	30	285	1.10	0.80	21	300	0.86	0.78	0.42	340	<0.05	0.64
22.87	5/27	39	305	1.44	0.88	31	305	1.13	0.87	22	300	0.81	0.85	0.44	280	<0.05	0.79
21.15	2/29	43	265	1.43	0.83	33	280	1.19	0.82	24	295	0.93	0.78	0.47	340	<0.05	0.64
19.89	5/27	45	300	1.63	0.88	35	305	1.28	0.87	25	300	0.92	0.86	0.50	275	<0.05	0.79
18.40	2/29	49	255	1.57	0.84	38	270	1.31	0.82	27	290	1.04	0.80	0.54	340	<0.05	0.64
17.49	5/27	51	300	1.82	0.88	40	300	1.43	0.88	29	295	1.02	0.87	0.57	270	<0.05	0.79
15.50	5/27	58	295	2.01	0.89	45	295	1.59	0.88	32	295	1.14	0.87	0.65	265	<0.05	0.79
13.82	5/27	65	290	2.20	0.89	51	290	1.74	0.88	36	285	1.24	0.88	0.72	260	<0.05	0.79
12.40	5/27	73	285	2.40	0.90	56	285	1.90	0.89	40	285	1.36	0.88	0.81	255	<0.05	0.79
11.27	5/27	80	280	2.58	0.90	62	290	2.12	0.89	44	305	1.60	0.88	0.89	315	<0.05	0.79
9.94	5/27	91	270	2.83	0.91	70	285	2.35	0.90	50	300	1.78	0.88	1.0	300	<0.05	0.79
8.80	5/27	102	265	3.00	0.91	80	280	2.58	0.90	57	295	1.97	0.89	1.1	290	<0.05	0.79
7.88	5/27	114	260	3.00	0.91	89	275	2.79	0.91	63	290	2.16	0.89	1.3	335	0.06	0.79
6.85	5/27	131	250	3.00	0.92	102	265	3.00	0.91	73	285	2.41	0.90	1.5	320	0.06	0.79

KEB

S32

		n1=3400 1/min				n1=2800 1/min				n1=1700 1/min				n1=1400 1/min			
i	is	n2 [1/min]	T2max [Nm]	P1max [kW]	η	n2 [1/min]	T2max [Nm]	P1max [kW]	η	n2 [1/min]	T2max [Nm]	P1max [kW]	η	n2 [1/min]	T2max [Nm]	P1max [kW]	η
271.60	1/42	13	545	1.03	0.69	10	565	0.91	0.67	6.3	600	0.63	0.62	5.2	610	0.54	0.61
234.71	1/42	14	530	1.14	0.70	12	550	0.99	0.69	7.2	590	0.71	0.63	6.0	605	0.61	0.62
205.58	1/42	17	515	1.25	0.71	14	535	1.09	0.70	8.3	580	0.78	0.65	6.8	595	0.68	0.63
182.00	1/42	19	500	1.35	0.72	15	520	1.19	0.71	9.3	570	0.85	0.66	7.7	585	0.74	0.64
162.52	1/42	21	485	1.45	0.73	17	510	1.28	0.72	10	560	0.91	0.67	8.6	580	0.80	0.65
146.16	1/42	23	470	1.55	0.74	19	495	1.37	0.72	12	550	0.98	0.69	9.6	570	0.86	0.66
132.22	1/42	26	455	1.65	0.74	21	480	1.46	0.73	13	540	1.05	0.69	11	560	0.92	0.67
120.52	1/42	28	440	1.75	0.75	23	470	1.54	0.74	14	530	1.12	0.70	12	550	0.98	0.69
107.52	1/42	32	425	1.87	0.75	26	455	1.66	0.74	16	520	1.21	0.71	13	540	1.06	0.70
96.44	1/42	35	405	1.98	0.76	29	440	1.78	0.75	18	505	1.30	0.72	15	530	1.14	0.70
87.50	1/42	39	390	2.08	0.77	32	425	1.88	0.75	19	495	1.38	0.73	16	515	1.22	0.71
77.54	1/42	44	375	2.21	0.77	36	400	2.00	0.76	22	475	1.49	0.73	18	500	1.32	0.72
68.25	1/42	50	350	2.35	0.78	41	385	2.14	0.77	25	460	1.62	0.74	21	485	1.43	0.73
59.77	1/42	57	330	2.52	0.78	47	360	2.27	0.78	28	440	1.76	0.75	23	465	1.55	0.74
52.50	1/42	65	310	2.66	0.79	53	340	2.44	0.78	32	420	1.89	0.75	27	450	1.69	0.74
52.21	3/32	65	530	4.00	0.89	54	555	3.53	0.88	33	615	2.47	0.85	27	635	2.12	0.84
46.22	3/32	74	510	4.00	0.89	61	540	3.86	0.89	37	605	2.70	0.86	30	625	2.33	0.85
41.28	3/32	82	490	4.00	0.90	68	520	4.00	0.89	41	590	2.93	0.87	34	615	2.54	0.86
37.12	3/32	92	475	4.00	0.90	75	505	4.00	0.89	46	575	3.14	0.88	38	600	2.75	0.86
33.58	3/32	101	455	4.00	0.90	83	490	4.00	0.90	51	565	3.38	0.88	42	590	2.95	0.87
30.61	3/32	111	440	4.00	0.90	91	475	4.00	0.90	56	550	3.63	0.88	46	575	3.14	0.88
27.31	3/32	125	420	4.00	0.91	103	455	4.00	0.90	62	535	3.93	0.89	51	560	3.42	0.88
24.49	3/32	139	400	4.00	0.91	114	435	4.00	0.90	69	515	4.00	0.89	57	545	3.70	0.88
22.44	5/29	151	445	4.00	0.94	125	470	4.00	0.93	76	535	4.00	0.91	62	530	3.84	0.90
22.22	3/32	153	385	4.00	0.91	126	420	4.00	0.91	77	505	4.00	0.89	63	535	3.96	0.89
20.18	5/29	168	425	4.00	0.94	139	455	4.00	0.93	84	525	4.00	0.92	69	525	4.00	0.91
19.69	3/32	173	360	4.00	0.92	142	395	4.00	0.91	86	485	4.00	0.90	71	515	4.00	0.89
18.26	5/29	186	410	4.00	0.94	153	440	4.00	0.94	93	510	4.00	0.92	77	515	4.00	0.91
17.33	3/32	196	335	4.00	0.92	162	375	4.00	0.91	98	460	4.00	0.90	81	495	4.00	0.89
16.64	5/29	204	395	4.00	0.94	168	425	4.00	0.94	102	500	4.00	0.92	84	525	4.00	0.92
15.18	3/32	224	315	4.00	0.92	184	345	4.00	0.92	112	440	4.00	0.90	92	470	4.00	0.90
14.85	5/29	229	380	4.00	0.94	189	410	4.00	0.94	114	485	4.00	0.93	94	510	4.00	0.92
13.33	3/32	255	290	4.00	0.92	210	325	4.00	0.92	128	415	4.00	0.91	105	450	4.00	0.90
13.32	5/29	255	360	4.00	0.94	210	395	4.00	0.94	128	470	4.00	0.93	105	495	4.00	0.92
12.08	5/29	281	340	4.00	0.94	232	375	4.00	0.94	141	455	4.00	0.93	116	485	4.00	0.93
10.71	5/29	318	320	4.00	0.95	261	355	4.00	0.94	159	435	4.00	0.94	131	465	4.00	0.93
9.43	5/29	361	300	4.00	0.95	297	335	4.00	0.94	180	415	4.00	0.94	149	445	4.00	0.93
8.25	5/29	412	280	4.00	0.95	339	310	4.00	0.95	206	395	4.00	0.94	170	425	4.00	0.94
7.25	5/29	469	260	4.00	0.95	386	290	4.00	0.95	234	375	4.00	0.94	193	405	4.00	0.94

S32

		n1=900 1/min				n1=700 1/min				n1=500 1/min				n1=10 1/min			
i	is	n2 [1/min]	T2max [Nm]	P1max [kW]	η	n2 [1/min]	T2max [Nm]	P1max [kW]	η	n2 [1/min]	T2max [Nm]	P1max [kW]	η	n2 [1/min]	T2max [Nm]	P1max [kW]	η
271.60	1/42	3.3	630	0.38	0.58	2.6	635	0.31	0.56	1.8	645	0.23	0.53	0.037	665	<0.05	0.48
234.71	1/42	3.8	625	0.42	0.59	3.0	635	0.35	0.57	2.1	640	0.26	0.54	0.043	665	<0.05	0.48
205.58	1/42	4.4	620	0.47	0.60	3.4	630	0.38	0.58	2.4	640	0.29	0.55	0.049	665	<0.05	0.48
182.00	1/42	4.9	615	0.52	0.61	3.8	625	0.42	0.59	2.7	635	0.32	0.56	0.055	665	<0.05	0.48
162.52	1/42	5.5	610	0.57	0.61	4.3	620	0.47	0.60	3.1	630	0.35	0.57	0.062	665	<0.05	0.48
146.16	1/42	6.2	600	0.62	0.62	4.8	615	0.51	0.60	3.4	630	0.38	0.59	0.068	665	<0.05	0.48
132.22	1/42	6.8	595	0.68	0.63	5.3	610	0.55	0.61	3.8	625	0.42	0.59	0.076	665	<0.05	0.48
120.52	1/42	7.5	590	0.72	0.64	5.8	605	0.60	0.62	4.1	620	0.45	0.60	0.083	665	<0.05	0.48
107.52	1/42	8.4	580	0.79	0.65	6.5	600	0.65	0.63	4.7	615	0.50	0.60	0.093	665	<0.05	0.48
96.44	1/42	9.3	570	0.85	0.66	7.3	590	0.71	0.63	5.2	610	0.54	0.61	0.10	665	<0.05	0.48
87.50	1/42	10	565	0.90	0.67	8.0	585	0.76	0.64	5.7	605	0.59	0.62	0.11	665	<0.05	0.48
77.54	1/42	12	550	0.98	0.69	9.0	575	0.83	0.66	6.4	600	0.65	0.62	0.13	665	<0.05	0.48
68.25	1/42	13	540	1.07	0.70	10	565	0.90	0.67	7.3	590	0.71	0.64	0.15	665	<0.05	0.48
59.77	1/42	15	525	1.17	0.71	12	550	0.98	0.69	8.4	580	0.79	0.65	0.17	665	<0.05	0.48
52.50	1/42	17	510	1.27	0.72	13	535	1.08	0.70	9.5	570	0.86	0.66	0.19	665	<0.05	0.48
52.21	3/32	17	665	1.46	0.83	13	680	1.17	0.82	9.6	695	0.88	0.79	0.19	730	<0.05	0.73
46.22	3/32	19	660	1.62	0.83	15	675	1.30	0.82	11	690	0.98	0.80	0.22	730	<0.05	0.73
41.28	3/32	22	650	1.78	0.83	17	665	1.43	0.83	12	685	1.08	0.81	0.24	730	<0.05	0.73
37.12	3/32	24	645	1.95	0.84	19	660	1.57	0.83	13	680	1.17	0.82	0.27	730	<0.05	0.73
33.58	3/32	27	635	2.12	0.84	21	655	1.72	0.83	15	675	1.28	0.82	0.30	730	<0.05	0.73
30.61	3/32	29	625	2.28	0.85	23	650	1.86	0.84	16	670	1.39	0.82	0.33	730	<0.05	0.73
27.31	3/32	33	615	2.49	0.85	26	640	2.04	0.84	18	665	1.53	0.83	0.37	730	<0.05	0.73
24.49	3/32	37	605	2.70	0.86	29	630	2.23	0.85	20	655	1.69	0.83	0.41	730	<0.05	0.73
22.44	5/29	40	525	2.47	0.89	31	520	1.92	0.88	22	510	1.37	0.87	0.45	475	<0.05	0.81
22.22	3/32	41	590	2.89	0.87	32	620	2.40	0.85	23	650	1.83	0.84	0.45	730	<0.05	0.73
20.18	5/29	45	515	2.68	0.89	35	510	2.09	0.89	25	505	1.49	0.88	0.50	465	<0.05	0.81
19.69	3/32	46	575	3.14	0.88	36	610	2.63	0.86	25	640	2.02	0.84	0.51	730	0.05	0.73
18.26	5/29	49	505	2.92	0.90	38	505	2.27	0.89	27	500	1.62	0.88	0.55	460	<0.05	0.81
17.33	3/32	52	560	3.45	0.88	40	595	2.89	0.87	29	630	2.24	0.85	0.58	730	0.06	0.73
16.64	5/29	54	575	3.62	0.90	42	595	2.94	0.89	30	615	2.19	0.88	0.60	565	<0.05	0.81
15.18	3/32	59	540	3.80	0.89	46	575	3.16	0.88	33	615	2.49	0.85	0.66	730	0.07	0.73
14.85	5/29	61	565	3.97	0.90	47	585	3.24	0.89	34	590	2.35	0.89	0.67	540	<0.05	0.81
13.33	3/32	68	520	4.00	0.89	53	560	3.48	0.88	38	600	2.74	0.86	0.75	730	0.08	0.73
13.32	5/29	68	550	4.00	0.91	53	580	3.54	0.90	38	575	2.55	0.89	0.75	525	0.05	0.81
12.08	5/29	74	540	4.00	0.91	58	570	3.83	0.90	41	595	2.90	0.89	0.83	645	0.07	0.81
10.71	5/29	84	525	4.00	0.92	65	555	4.00	0.91	47	590	3.22	0.89	0.93	625	0.08	0.81
9.43	5/29	95	510	4.00	0.92	74	540	4.00	0.91	53	575	3.57	0.90	1.1	660	0.09	0.81
8.25	5/29	109	490	4.00	0.93	85	525	4.00	0.92	61	565	3.96	0.90	1.2	625	0.10	0.81
7.25	5/29	124	475	4.00	0.93	97	510	4.00	0.92	69	550	4.00	0.91	1.4	595	0.11	0.81

S42

		n1=3400 1/min				n1=2800 1/min				n1=1700 1/min				n1=1400 1/min			
i	is	n2 [1/min]	T2max [Nm]	P1max [kW]	η	n2 [1/min]	T2max [Nm]	P1max [kW]	η	n2 [1/min]	T2max [Nm]	P1max [kW]	η	n2 [1/min]	T2max [Nm]	P1max [kW]	η
247.58	1/42	14	1140	2.28	0.72	11	1190	2.01	0.70	6.9	1320	1.46	0.65	5.7	1350	1.26	0.64
220.00	1/42	15	1100	2.46	0.73	13	1160	2.17	0.71	7.7	1290	1.59	0.66	6.4	1330	1.38	0.64
197.22	1/42	17	1070	2.62	0.74	14	1130	2.33	0.72	8.6	1270	1.71	0.67	7.1	1310	1.49	0.65
178.08	1/42	19	1030	2.78	0.74	16	1100	2.48	0.73	9.5	1240	1.82	0.68	7.9	1290	1.60	0.66
161.78	1/42	21	1000	2.94	0.75	17	1070	2.62	0.74	11	1220	1.93	0.69	8.7	1270	1.71	0.67
147.91	1/42	23	970	3.08	0.76	19	1040	2.76	0.74	11	1190	2.03	0.71	9.5	1250	1.81	0.68
132.72	1/42	26	935	3.28	0.76	21	1000	2.95	0.75	13	1160	2.18	0.71	11	1220	1.93	0.69
119.78	1/42	28	900	3.48	0.77	23	965	3.11	0.76	14	1130	2.33	0.72	12	1180	2.05	0.71
110.25	1/42	31	865	3.62	0.77	25	935	3.26	0.76	15	1110	2.45	0.73	13	1160	2.16	0.71
98.54	1/42	35	820	3.81	0.78	28	895	3.48	0.77	17	1070	2.62	0.74	14	1130	2.33	0.72
87.50	1/42	39	775	4.03	0.78	32	850	3.69	0.77	19	1030	2.81	0.75	16	1090	2.51	0.73
77.54	1/42	44	730	4.25	0.79	36	800	3.88	0.78	22	985	3.01	0.75	18	1050	2.68	0.74
69.00	1/42	49	685	4.46	0.79	41	760	4.11	0.78	25	945	3.20	0.76	20	1000	2.84	0.75
59.37	3/34	57	1150	7.5	0.91	47	1220	6.7	0.90	29	1260	4.32	0.87	24	1260	3.59	0.87
59.11	1/42	58	630	4.79	0.79	47	695	4.37	0.79	29	895	3.50	0.77	24	920	3.00	0.76
53.22	3/34	64	1110	7.5	0.91	53	1180	7.2	0.90	32	1340	5.1	0.88	26	1390	4.38	0.87
52.14	1/42	65	585	4.99	0.80	54	655	4.65	0.79	33	845	3.72	0.77	27	915	3.37	0.77
48.05	3/34	71	1070	7.5	0.91	58	1150	7.5	0.91	35	1310	5.5	0.89	29	1360	4.74	0.88
43.65	3/34	78	1040	7.5	0.91	64	1110	7.5	0.91	39	1280	5.8	0.89	32	1320	5.0	0.88
39.91	3/34	85	1000	7.5	0.91	70	1080	7.5	0.91	43	1250	6.2	0.90	35	1250	5.2	0.89
35.81	3/34	95	960	7.5	0.91	78	1040	7.5	0.91	47	1210	6.7	0.90	39	1250	5.7	0.89
32.48	5/31	105	895	7.5	0.94	86	890	7.5	0.93	52	875	5.3	0.91	43	870	4.32	0.91
32.32	3/34	105	925	7.5	0.91	87	995	7.5	0.91	53	1180	7.2	0.90	43	1200	6.1	0.90
29.75	3/34	114	890	7.5	0.92	94	965	7.5	0.91	57	1140	7.5	0.91	47	1140	6.2	0.90
29.11	5/31	117	890	7.5	0.94	96	885	7.5	0.93	58	870	5.8	0.92	48	865	4.78	0.91
26.59	3/34	128	840	7.5	0.92	105	925	7.5	0.91	64	1110	7.5	0.91	53	1140	7.0	0.90
26.29	5/31	129	880	7.5	0.94	107	875	7.5	0.94	65	865	6.3	0.92	53	855	5.2	0.92
23.88	5/31	142	875	7.5	0.95	117	870	7.5	0.94	71	855	6.9	0.92	59	850	5.7	0.92
23.61	3/34	144	790	7.5	0.92	119	875	7.5	0.92	72	1070	7.5	0.91	59	1080	7.4	0.91
21.83	5/31	156	860	7.5	0.95	128	930	7.5	0.94	78	1010	7.5	0.93	64	1010	7.3	0.92
20.92	3/34	163	740	7.5	0.93	134	820	7.5	0.92	81	1010	7.5	0.91	67	1010	7.5	0.91
19.59	5/31	174	825	7.5	0.95	143	890	7.5	0.95	87	1000	7.5	0.93	71	995	7.5	0.93
18.62	3/34	183	695	7.5	0.93	150	775	7.5	0.92	91	950	7.5	0.91	75	950	7.5	0.91
17.68	5/31	192	790	7.5	0.95	158	855	7.5	0.95	96	990	7.5	0.93	79	985	7.5	0.93
16.28	5/31	209	760	7.5	0.95	172	825	7.5	0.95	104	995	7.5	0.94	86	1050	7.5	0.93
15.95	3/34	213	640	7.5	0.93	176	705	7.5	0.93	107	885	7.5	0.91	88	885	7.5	0.91
14.55	5/31	234	715	7.5	0.95	192	790	7.5	0.95	117	960	7.5	0.94	96	1000	7.5	0.93
14.07	3/34	242	590	7.5	0.93	199	665	7.5	0.93	121	820	7.5	0.92	100	820	7.5	0.91
12.92	5/31	263	675	7.5	0.95	217	745	7.5	0.95	132	920	7.5	0.94	108	940	7.5	0.94
11.45	5/31	297	630	7.5	0.95	245	695	7.5	0.95	149	880	7.5	0.95	122	885	7.5	0.94
10.19	5/31	334	585	7.5	0.95	275	655	7.5	0.95	167	835	7.5	0.95	137	835	7.5	0.94
8.73	5/31	390	540	7.5	0.95	321	600	7.5	0.95	195	775	7.5	0.95	160	775	7.5	0.95
7.70	5/31	442	495	7.5	0.96	364	560	7.5	0.95	221	725	7.5	0.95	182	725	7.5	0.95

S42

		n1=900 1/min				n1=700 1/min				n1=500 1/min				n1=10 1/min			
i	is	n2 [1/min]	T2max [Nm]	P1max [kW]	η	n2 [1/min]	T2max [Nm]	P1max [kW]	η	n2 [1/min]	T2max [Nm]	P1max [kW]	η	n2 [1/min]	T2max [Nm]	P1max [kW]	η
247.58	1/42	3.6	1410	0.88	0.61	2.8	1430	0.73	0.58	2.0	1460	0.56	0.55	0.040	1530	<0.05	0.48
220.00	1/42	4.1	1390	0.97	0.62	3.2	1420	0.80	0.59	2.3	1450	0.62	0.56	0.045	1530	<0.05	0.48
197.22	1/42	4.6	1380	1.06	0.62	3.5	1410	0.86	0.61	2.5	1440	0.67	0.57	0.051	1530	<0.05	0.48
178.08	1/42	5.1	1370	1.15	0.63	3.9	1400	0.94	0.61	2.8	1430	0.73	0.58	0.056	1530	<0.05	0.48
161.78	1/42	5.6	1350	1.24	0.63	4.3	1390	1.01	0.62	3.1	1420	0.78	0.59	0.062	1530	<0.05	0.48
147.91	1/42	6.1	1340	1.33	0.64	4.7	1380	1.09	0.62	3.4	1410	0.83	0.60	0.068	1530	<0.05	0.48
132.72	1/42	6.8	1320	1.44	0.65	5.3	1360	1.19	0.63	3.8	1400	0.90	0.61	0.075	1530	<0.05	0.48
119.78	1/42	7.5	1300	1.55	0.66	5.8	1340	1.29	0.64	4.2	1390	0.98	0.62	0.083	1530	<0.05	0.48
110.25	1/42	8.2	1280	1.65	0.67	6.3	1330	1.38	0.64	4.5	1380	1.05	0.62	0.091	1530	<0.05	0.48
98.54	1/42	9.1	1250	1.77	0.68	7.1	1310	1.49	0.65	5.1	1370	1.16	0.63	0.10	1530	<0.05	0.48
87.50	1/42	10	1220	1.91	0.69	8.0	1290	1.62	0.66	5.7	1350	1.27	0.64	0.11	1530	<0.05	0.48
77.54	1/42	12	1190	2.04	0.71	9.0	1260	1.76	0.68	6.4	1330	1.39	0.64	0.13	1530	<0.05	0.48
69.00	1/42	13	1000	1.91	0.72	10	1000	1.54	0.69	7.2	1000	1.16	0.65	0.14	1000	<0.05	0.48
59.37	3/34	15	1260	2.34	0.85	12	1260	1.85	0.84	8.4	1260	1.36	0.81	0.17	1260	<0.05	0.76
59.11	1/42	15	920	2.02	0.73	12	920	1.61	0.71	8.5	920	1.22	0.67	0.17	920	<0.05	0.48
53.22	3/34	17	1460	3.03	0.86	13	1470	2.39	0.85	9.4	1430	1.71	0.82	0.19	1320	<0.05	0.76
52.14	1/42	17	1070	2.62	0.74	13	1150	2.25	0.72	9.6	1240	1.83	0.68	0.19	1530	0.06	0.48
48.05	3/34	19	1450	3.31	0.86	15	1460	2.61	0.85	10	1420	1.86	0.83	0.21	1300	<0.05	0.76
43.65	3/34	21	1320	3.31	0.86	16	1320	2.59	0.85	11	1320	1.89	0.84	0.23	1280	<0.05	0.76
39.91	3/34	23	1250	3.41	0.87	18	1250	2.68	0.86	13	1250	1.94	0.84	0.25	1250	<0.05	0.76
35.81	3/34	25	1250	3.78	0.87	20	1250	2.97	0.86	14	1250	2.15	0.85	0.28	1250	<0.05	0.76
32.48	5/31	28	865	2.78	0.90	22	855	2.16	0.89	15	835	1.54	0.87	0.31	795	<0.05	0.83
32.32	3/34	28	1200	4.00	0.87	22	1200	3.15	0.86	15	1200	2.28	0.85	0.31	1200	0.05	0.76
29.75	3/34	30	1140	4.12	0.88	24	1140	3.24	0.87	17	1140	2.34	0.86	0.34	1140	0.05	0.76
29.11	5/31	31	855	3.07	0.90	24	855	2.39	0.90	17	835	1.71	0.88	0.34	790	<0.05	0.83
26.59	3/34	34	1140	4.57	0.88	26	1140	3.61	0.87	19	1140	2.61	0.86	0.38	1140	0.06	0.76
26.29	5/31	34	845	3.36	0.91	27	845	2.61	0.90	19	825	1.86	0.88	0.38	775	<0.05	0.83
23.88	5/31	38	840	3.65	0.91	29	835	2.84	0.90	21	820	2.03	0.89	0.42	765	<0.05	0.83
23.61	3/34	38	1080	4.84	0.89	30	1080	3.82	0.88	21	1080	2.78	0.86	0.42	1080	0.06	0.76
21.83	5/31	41	995	4.71	0.91	32	985	3.67	0.90	23	980	2.62	0.90	0.46	905	0.05	0.83
20.92	3/34	43	1010	5.1	0.90	33	1010	4.01	0.88	24	1010	2.91	0.87	0.48	1010	0.07	0.76
19.59	5/31	46	985	5.2	0.91	36	975	4.03	0.91	26	970	2.88	0.90	0.51	895	0.06	0.83
18.62	3/34	48	950	5.3	0.90	38	950	4.20	0.89	27	950	3.06	0.87	0.54	950	0.07	0.76
17.68	5/31	51	970	5.6	0.91	40	960	4.39	0.91	28	955	3.14	0.90	0.57	880	0.06	0.83
16.28	5/31	55	1180	7.5	0.92	43	1230	6.1	0.91	31	1240	4.42	0.90	0.61	1140	0.09	0.83
15.95	3/34	56	885	5.8	0.91	44	885	4.52	0.90	31	885	3.30	0.88	0.63	885	0.08	0.76
14.55	5/31	62	1000	7.0	0.92	48	1000	5.5	0.91	34	1000	3.98	0.91	0.69	1000	0.09	0.83
14.07	3/34	64	820	6.0	0.91	50	820	4.73	0.90	36	820	3.44	0.89	0.71	820	0.08	0.76
12.92	5/31	70	940	7.4	0.92	54	940	5.8	0.92	39	940	4.20	0.91	0.77	940	0.09	0.83
11.45	5/31	79	885	7.5	0.93	61	885	6.2	0.92	44	885	4.45	0.91	0.87	885	0.10	0.83
10.19	5/31	88	835	7.5	0.93	69	835	6.5	0.92	49	835	4.70	0.91	0.98	835	0.10	0.83
8.73	5/31	103	775	7.5	0.94	80	775	7.0	0.93	57	775	5.1	0.92	1.1	775	0.11	0.83

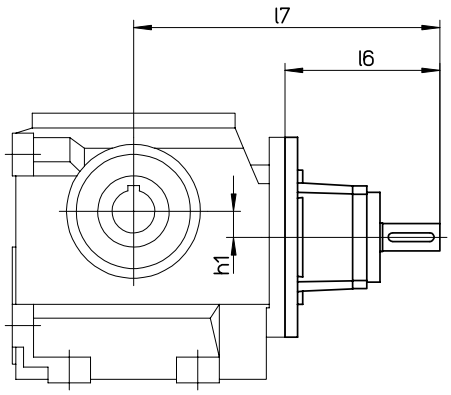


Fig. 1

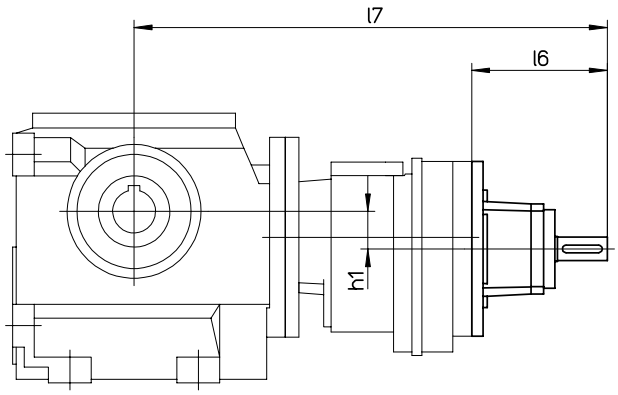


Fig. 2

Typ	Fig.	h1	l6	l7
S02 -W1	1	7.5	79.5	153.5
S12 -W1	1	10	78.5	168.5
S12 -W2	1	10	113.5	203.5
S12G0_ -W1	2	17	79.5	281
S22 -W1	1	18	75.5	181.5
S22 -W2	1	18	108.5	214.5
S22 -W3	1	18	153.5	259.5
S22G1_ -W1	2	23	78.5	307.5
S22G1_ -W2	2	23	113.5	342.5
S32 -W1	1	24	75	208
S32 -W2	1	24	110	243
S32 -W3	1	24	154	287
S32 -W4	1	24	192.5	325.5
S32G1_ -W1	2	29	78.5	334.5
S32G1_ -W2	2	29	113.5	369.5

Typ	Fig.	h1	l6	l7
S42 -W1	1	35	71.5	226.5
S42 -W2	1	35	106.5	261.5
S42 -W3	1	35	149.5	304.5
S42 -W4	1	35	189	344
S42G2_ -W1	2	46	75.5	375.5
S42G2_ -W2	2	46	108.5	408.5
S42G2_ -W3	2	46	153.5	453.5

Motoreduktory Walcowo - Ślimakowe S z przyłączem do silników IEC

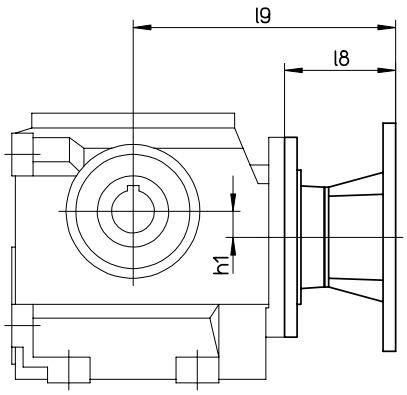


Fig. 1

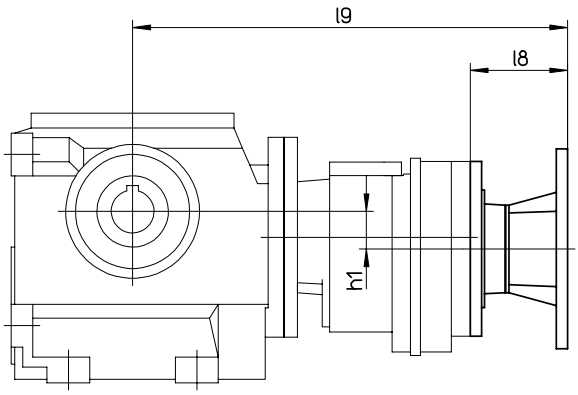


Fig. 2

Typ	Fig.	h1	l8	l9
S02 -M IEC63	1	7.5	75	149
S02 -M IEC71	1	7.5	82	156
S12 -M IEC63	1	10	74	164
S12 -M IEC71	1	10	81	171
S12 -M IEC80	1	10	118	208
S12 -M IEC90	1	10	128	218
S12G0_ -M IEC63	2	17	75	276.5
S12G0_ -M IEC71	2	17	82	283.5
S22 -M IEC63	1	18	71	177
S22 -M IEC71	1	18	78	184
S22 -M IEC80	1	18	113	219
S22 -M IEC90	1	18	123	229
S22 -M IEC100	1	18	156.5	262.5
S22 -M IEC112	1	18	156.5	262.5
S22G1_ -M IEC63	2	23	74	303
S22G1_ -M IEC71	2	23	81	310
S22G1_ -M IEC80	2	23	118	347
S22G1_ -M IEC90	2	23	128	357
S32 -M IEC63	1	24	70.5	203.5
S32 -M IEC71	1	24	77.5	210.5
S32 -M IEC80	1	24	114.5	247.5
S32 -M IEC90	1	24	124.5	257.5
S32 -M IEC100	1	24	157	290
S32 -M IEC112	1	24	157	290
S32 -M IEC132	1	24	196	329
S32G1_ -M IEC63	2	29	74	330
S32G1_ -M IEC71	2	29	81	337
S32G1_ -M IEC80	2	29	118	374
S32G1_ -M IEC90	2	29	128	384

Typ	Fig.	h1	l8	l9
S42 -M IEC63	1	35	67	222
S42 -M IEC71	1	35	74	229
S42 -M IEC80	1	35	111	266
S42 -M IEC90	1	35	121	276
S42 -M IEC100	1	35	152.5	307.5
S42 -M IEC112	1	35	152.5	307.5
S42 -M IEC132	1	35	192.5	347.5
S42G2_ -M IEC63	2	46	71	371
S42G2_ -M IEC71	2	46	78	378
S42G2_ -M IEC80	2	46	113	413
S42G2_ -M IEC90	2	46	123	423
S42G2_ -M IEC100	2	46	156.5	456.5

Motoreduktory Walcowo - Ślimakowe S z przyłączem do silników NEMA

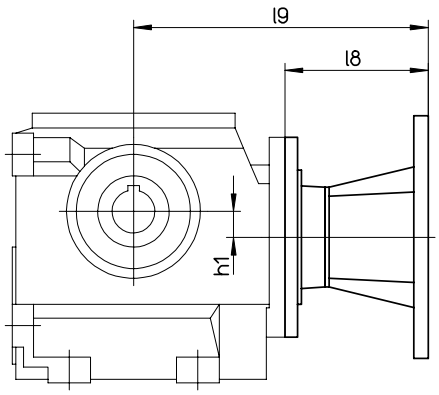


Fig. 1

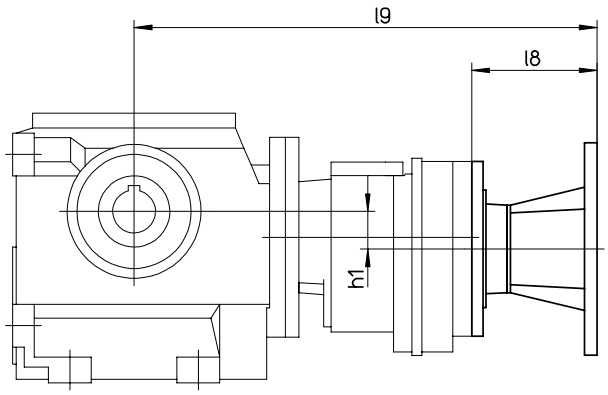


Fig. 2

Typ	Fig.	h1	l8	l9
S02 -M NEMA56	1	7.5	104	178
S12 -M NEMA56	1	10	103	193
S12 -M NEMA140	1	10	132	222
S12G0_ -M NEMA56	2	17	104	305.5
S22 -M NEMA56	1	18	100	206
S22 -M NEMA140	1	18	127	233
S22 -M NEMA180	1	18	163	269
S22G1_ -M NEMA56	2	23	103	332
S22G1_ -M NEMA140	2	23	132	361
S32 -M NEMA56	1	24	99.5	232.5
S32 -M NEMA140	1	24	128.5	261.5
S32 -M NEMA180	1	24	163.5	296.5
S32 -M NEMA210	1	24	195.5	328.5
S32G1_ -M NEMA56	2	29	103	359
S32G1_ -M NEMA140	2	29	132	388

Typ	Fig.	h1	l8	l9
S42 -M NEMA56	1	35	96	251
S42 -M NEMA140	1	35	125	280
S42 -M NEMA180	1	35	159	314
S42 -M NEMA210	1	35	192	347
S42G2_ -M NEMA56	2	46	100	400
S42G2_ -M NEMA140	2	46	127	427
S42G2_ -M NEMA180	2	46	163	463

Motoreduktory Walcowo - Ślimakowe S z przyłączem do serwomotorów

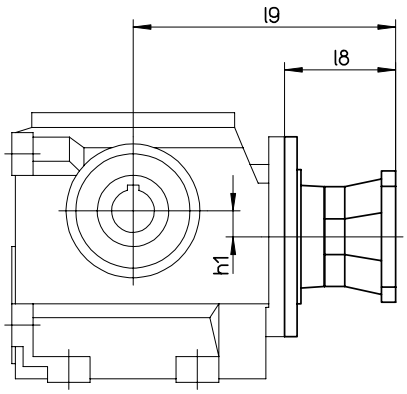


Fig. 1

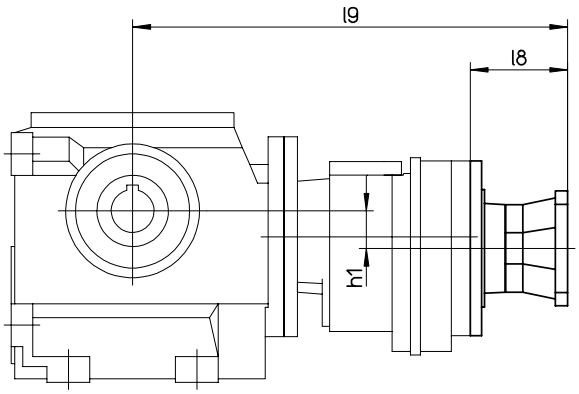
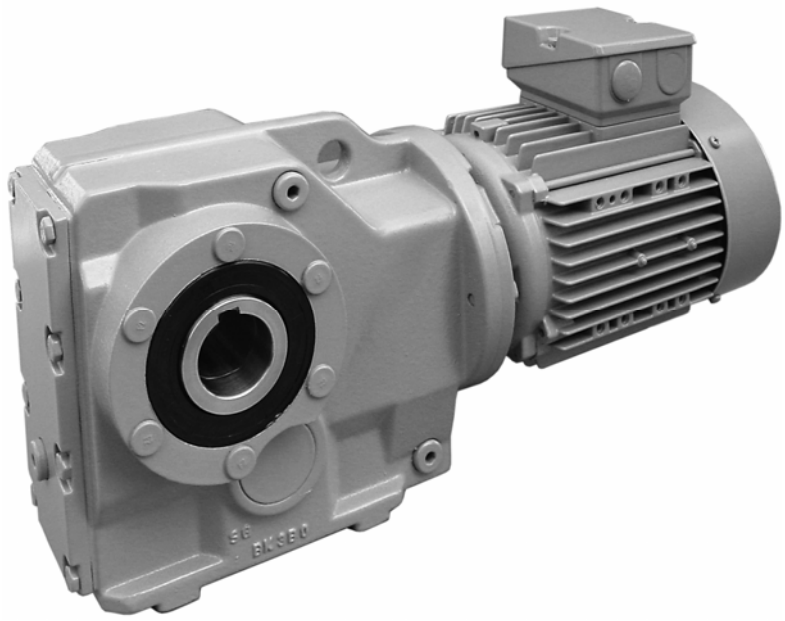


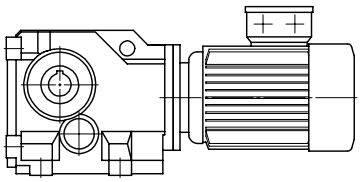
Fig. 2

Typ	Fig.	h1	l8	l9
S02 -M S70/1	1	7.5	75	149
S12 -M S70/1	1	10	74	164
S12 -M S90/1	1	10	108	198
S12 -M S110/1	1	10	118	208
S12G0_ -M S70/1	2	17	75	276.5
S22 -M S70/1	1	18	71	177
S22 -M S90/1	1	18	103	209
S22 -M S110/1	1	18	113	219
S22 -M S140/1	1	18	146.5	252.5
S22G1_ -M S70/1	2	23	74	303
S22G1_ -M S90/1	2	23	108	337
S22G1_ -M S110/1	2	23	118	347
S32 -M S70/1	1	24	70.5	203.5
S32 -M S90/1	1	24	104.5	237.5
S32 -M S110/1	1	24	114.5	247.5
S32 -M S140/1	1	24	147	280
S32 -M S190/1	1	24	174	307
S32G1_ -M S70/1	2	29	74	330
S32G1_ -M S90/1	2	29	108	364
S32G1_ -M S110/1	2	29	118	374

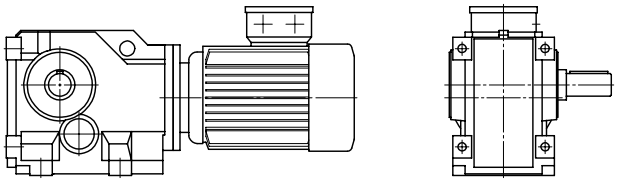
Typ	Fig.	h1	l8	l9
S42 -M S70/1	1	35	67	222
S42 -M S90/1	1	35	101	256
S42 -M S110/1	1	35	111	266
S42 -M S140/1	1	35	142.5	297.5
S42 -M S190/1	1	35	170.5	325.5
S42G2_ -M S70/1	2	46	71	371
S42G2_ -M S90/1	2	46	103	403
S42G2_ -M S110/1	2	46	113	413
S42G2_ -M S140/1	2	46	146.5	446.5

Motoreduktory Walcowo - Stożkowe K

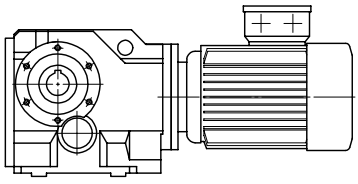




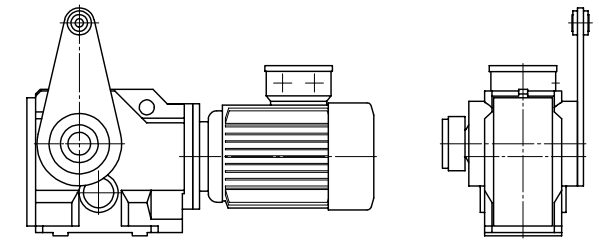
Wykonanie na łapach
z wałem drążonym i rowkiem wpustowym
Przykład: K43**A** DL90L4



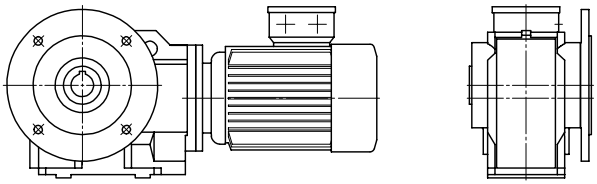
Wykonanie na łapach
z wałem wyjściowym pełnym i wpustem
Przykład: K33**AV** DL80G4



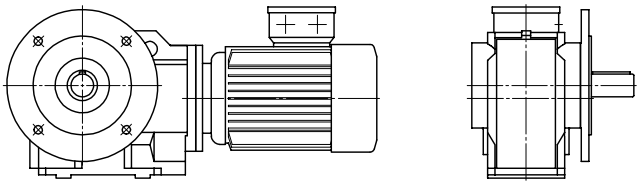
Wykonanie z wałem drążonym
z wałem drążonym i rowkiem wpustowym
Przykład: K53**B** DL132S4



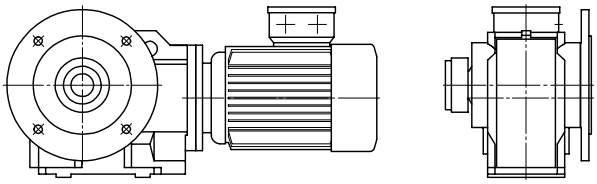
Wykonanie z wałem drążonym
z wałem drążonym i pierścieniem zaciskowym
z drążkiem reakcyjnym T1
Przykład: K53**BT1S** DL160M4



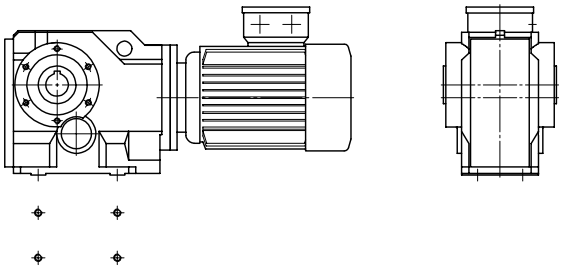
Wykonanie z dużym kołnierzem
z wałem drążonym i rowkiem wpustowym
Przykład: K43**C** DA132S4



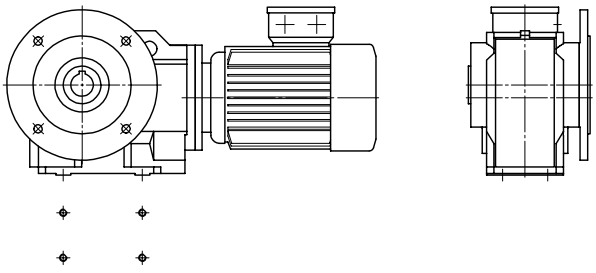
Wykonanie z dużym kołnierzem
z wałem wyjściowym pełnym i wpustem
Przykład: K33**CV** DL71G4



Wykonanie z dużym kołnierzem
z wałem drążonym i pierścieniem zaciskowym
Przykład: K43**CS** DL100LX4



Wykonanie nasadowa + powierzchnia z łapami
z wałem drążonym i rowkiem wpustowym
Przykład: K53**D** DL80G4



Wykonanie kołnierzowa + powierzchnia z łapami
z wałem drążonym i rowkiem wpustowym
Przykład: K33**E** DL90S4

n2	T2	cG	i	Typ	Wymiary	~kg
[1/min]	[Nm]				Strona	
0.12 kW						
0.12	9290	0.85	12162	**K83G33A DL63K4**	185/186	198
0.13	8170	0.95	10689	**K83G33B DL63K4**		198
0.15	7240	1.10	9472.7	**K83G33C DL63K4**		214
0.17	6460	1.25	8450.8			
0.19	5790	1.35	7580.3			
0.20	5260	1.50	6889.3			
0.23	4640	1.70	6074.0			
0.26	4110	1.95	5379.6			
0.29	3740	2.1	4900.2			
0.38	2870	2.8	3755.0			
0.42	2570	3.1	3368.2			
0.46	2340	3.4	3061.2			
0.21	5080	0.85	6648.4	**K73G33A DL63K4**	184/186	130
0.23	4620	0.95	6042.3	**K73G33B DL63K4**		130
0.26	4070	1.05	5327.3	**K73G33C DL63K4**		139
0.30	3600	1.20	4718.2			
0.33	3270	1.30	4280.5			
0.43	2520	1.70	3293.4			
0.48	2260	1.90	2954.1			
0.53	2050	2.1	2684.8			
0.60	1810	2.4	2367.1			
0.68	1610	2.7	2068.0	**K73G32A DL63K4**	184/186	130
0.76	1440	3.0	1846.7	**K73G32B DL63K4**		130
0.85	1300	3.3	1660.8	**K73G32C DL63K4**		139
0.94	1170	3.7	1502.4			
0.33	3260	0.80	4272.9	**K63G23A DL63K4**	183/186	78
0.38	2860	0.90	3741.0	**K63G23B DL63K4**		78
0.43	2520	1.00	3295.8	**K63G23C DL63K4**		83
0.65	1700	0.85	2176.4	**K53G22A DL63K4**	182/186	54
0.75	1460	1.00	1868.5	**K53G22B DL63K4**		54
0.87	1270	1.15	1625.3	**K53G22C DL63K4**		57
0.99	1110	1.30	1428.5			
1.1	990	1.45	1266.0			
1.2	880	1.60	1129.4			
1.4	790	1.80	1013.0			
1.5	720	2.00	920.69			
1.7	635	2.3	811.74			
2.0	560	2.5	718.94			
2.2	505	2.8	648.83			
2.4	465	3.1	597.22			
2.7	410	3.5	524.36			
1.2	890	0.85	1141.5	**K43G12A DL63K4**	181/186	34
1.4	795	0.95	1017.0	**K43G12B DL63K4**		34
1.5	710	1.05	912.99	**K43G12C DL63K4**		36
1.8	620	1.20	796.88			
2.0	545	1.35	697.97			
2.2	500	1.50	641.52			
2.5	440	1.70	565.19			
2.8	390	1.90	501.06			
3.2	350	2.1	446.44			
3.5	315	2.4	400.77			
4.0	275	2.7	349.80			
4.6	240	3.1	306.38			
5.1	215	3.5	275.54			

n2	T2	cG	i	Typ	Wymiary	~kg
[1/min]	[Nm]				Strona	
0.12 kW						
2.3	480	0.85	612.54	**K33G12A DL63K4**	180/186	26
2.6	420	0.95	536.51	**K33G12B DL63K4**		26
2.9	385	1.05	493.12	**K33G12C DL63K4**		28
3.2	340	1.20	434.44			
3.7	300	1.35	385.15			
4.1	270	1.50	343.16			
4.6	240	1.65	308.06			
5.2	210	1.90	268.88			
6.0	184	2.2	235.51			
6.7	164	2.4	210.10			
7.5	147	2.7	188.46			
8.2	134	3.0	171.28			
9.3	118	3.4	151.01			
11	104	3.8	133.74			
12	93	4.3	119.69			
14	81	4.9	104.17			
12	98	4.1	120.13	**K33A DL63K4**	180	21
14	84	4.8	103.13	**K33B DL63K4**		21
16	73	5.5	89.71	**K33C DL63K4**		24
18	64	6.2	78.85			
20	57	7.0	69.88			
23	51	7.9	62.34			
25	45	8.8	55.92			
28	41	9.7	50.82			
31	36	11	44.80			
36	32	12	39.68			
52	22	18	27.26			
58	20	20	24.15			
65	18	23	21.55			
73	16	25	19.33			
80	14	28	17.57			
91	13	32	15.49			
103	11	36	13.72			
152	7.6	32	9.30			
167	6.9	43	8.45			
189	6.1	47	7.45			
214	5.4	50	6.60			
0.18 kW						
0.17	9680	0.80	8450.8	**K83G33A DL63G4**	185/186	198
0.19	8690	0.90	7580.3	**K83G33B DL63G4**		198
0.20	7900	1.00	6889.3	**K83G33C DL63G4**		214
0.23	6960	1.15	6074.0			
0.26	6160	1.30	5379.6			
0.29	5620	1.40	4900.2			
0.38	4300	1.85	3755.0			
0.42	3860	2.1	3368.2			
0.46	3510	2.3	3061.2			
0.52	3090	2.6	2698.9			
0.60	2760	2.9	2357.9	**K83G32A DL63G4**	185/186	198
0.67	2460	3.2	2105.6	**K83G32B DL63G4**		198
0.74	2220	3.6	1893.6	**K83G32C DL63G4**		214
0.30	5410	0.80	4718.2	**K73G33A DL63G4**	184/186	130
0.33	4910	0.90	4280.5	**K73G33B DL63G4**		130
0.43	3770	1.15	3293.4	**K73G33C DL63G4**		139
0.48	3390	1.30	2954.1			
0.53	3080	1.40	2684.8			
0.60	2710	1.60	2367.1			

n2 [1/min]	T2 [Nm]	cG	i	Typ	Wymiary Strona	~kg
0.18 kW						
0.68	2420	1.80	2068.0	**K73G32A DL63G4**	184/186	130
0.76	2160	2.0	1846.7	**K73G32B DL63G4**		130
0.85	1940	2.2	1660.8	**K73G32C DL63G4**		139
0.94	1760	2.5	1502.4			
1.0	1600	2.7	1369.5			
1.2	1430	3.0	1221.7			
1.3	1280	3.4	1095.9			
0.54	3080	0.85	2632.0	**K63G22A DL63G4**	183/186	78
0.62	2640	0.95	2259.6	**K63G22B DL63G4**		78
0.72	2300	1.10	1965.6	**K63G22C DL63G4**		83
0.82	2020	1.25	1727.6			
0.92	1790	1.40	1531.0			
1.0	1600	1.60	1365.8			
1.2	1430	1.80	1225.1			
1.3	1300	1.95	1113.4			
1.4	1150	2.2	981.68			
1.6	1020	2.5	869.44			
1.8	940	2.7	803.80			
1.9	845	3.0	724.09			
2.2	740	3.4	634.13			
0.99	1670	0.85	1428.5	**K53G22A DL63G4**	182/186	54
1.1	1480	0.95	1266.0	**K53G22B DL63G4**		54
1.2	1320	1.10	1129.4	**K53G22C DL63G4**		57
1.4	1190	1.20	1013.0			
1.5	1080	1.35	920.69			
1.7	950	1.50	811.74			
2.0	840	1.70	718.94			
2.2	760	1.90	648.83			
2.4	700	2.0	597.22			
2.7	615	2.3	524.36			
3.0	550	2.6	470.34			
3.3	500	2.9	427.46			
3.7	440	3.2	376.88			
4.2	390	3.7	333.79			
1.8	935	0.80	796.88	**K43G12A DL63G4**	181/186	34
2.0	815	0.90	697.97	**K43G12B DL63G4**		34
2.2	750	1.00	641.52	**K43G12C DL63G4**		36
2.5	660	1.10	565.19			
2.8	585	1.25	501.06			
3.2	525	1.40	446.44			
3.5	470	1.60	400.77			
4.0	410	1.80	349.80			
4.6	360	2.1	306.38			
5.1	320	2.3	275.54			
5.7	290	2.5	249.26			
6.2	265	2.8	227.20			
7.0	235	3.1	202.69			
7.8	215	3.5	181.81			
8.5	193	3.8	164.95			

n2 [1/min]	T2 [Nm]	cG	i	Typ	Wymiary Strona	~kg
0.18 kW						
3.2	510	0.80	434.44	**K33G12A DL63G4**	180/186	26
3.7	450	0.90	385.15	**K33G12B DL63G4**		26
4.1	400	1.00	343.16	**K33G12C DL63G4**		28
4.6	360	1.10	308.06			
5.2	315	1.25	268.88			
6.0	275	1.45	235.51			
6.7	245	1.60	210.10			
7.5	220	1.80	188.46			
8.2	200	2.00	171.28			
9.3	177	2.3	151.01			
11	157	2.5	133.74			
12	140	2.8	119.69			
14	122	3.3	104.17			
12	146	2.7	120.13	**K33A DL63G4**	180	21
14	126	3.2	103.13	**K33B DL63G4**		21
16	109	3.6	89.71	**K33C DL63G4**		24
18	96	4.2	78.85			
20	85	4.7	69.88			
23	76	5.3	62.34			
25	68	5.9	55.92			
28	62	6.4	50.82			
31	55	7.3	44.80			
36	48	8.2	39.68			
52	33	12	27.26			
58	29	14	24.15			
65	26	15	21.55			
73	24	17	19.33			
80	21	19	17.57			
91	19	21	15.49			
103	17	24	13.72			
152	11	21	9.30			
167	10	29	8.45			
189	9.1	31	7.45			
214	8.0	34	6.60			
0.25 kW						
0.23	9840	0.80	6074.0	**K83G33A DL71K4**	185/186	198
0.26	8720	0.90	5379.6	**K83G33B DL71K4**		198
0.28	7940	1.00	4900.2	**K83G33C DL71K4**		214
0.37	6080	1.30	3755.0			
0.41	5460	1.45	3368.2			
0.45	4960	1.60	3061.2			
0.51	4370	1.80	2698.9			
0.59	3900	2.0	2357.9	**K83G32A DL71K4**	185/186	198
0.66	3480	2.3	2105.6	**K83G32B DL71K4**		198
0.73	3130	2.5	1893.6	**K83G32C DL71K4**		214
0.81	2830	2.8	1713.0			
0.89	2580	3.1	1561.4			
0.99	2310	3.5	1393.0			
0.42	5340	0.80	3293.4	**K73G33A DL71K4**	184/186	130
0.47	4790	0.90	2954.1	**K73G33B DL71K4**		130
0.52	4350	1.00	2684.8	**K73G33C DL71K4**		139
0.59	3840	1.15	2367.1			

n2	T2	cG	i	Typ	Wymiary	~kg
[1/min]	[Nm]				Strona	
0.25 kW						
0.67	3420	1.25	2068.0	**K73G32A DL71K4**	184/186	130
0.75	3060	1.40	1846.7	**K73G32B DL71K4**		130
0.83	2750	1.55	1660.8	**K73G32C DL71K4**		139
0.92	2490	1.75	1502.4			
1.0	2270	1.90	1369.5			
1.1	2020	2.1	1221.7			
1.3	1810	2.4	1095.9			
1.4	1650	2.6	994.22			
1.6	1430	3.0	861.22			
1.8	1290	3.4	779.24			
0.70	3250	0.80	1965.6	**K63G22A DL71K4**	183/186	78
0.80	2860	0.90	1727.6	**K63G22B DL71K4**		78
0.90	2530	1.00	1531.0	**K63G22C DL71K4**		83
1.0	2260	1.15	1365.8			
1.1	2030	1.25	1225.1			
1.2	1840	1.40	1113.4			
1.4	1620	1.55	981.68			
1.6	1440	1.75	869.44			
1.7	1330	1.90	803.80			
1.9	1200	2.1	724.09			
2.2	1050	2.4	634.13			
2.4	940	2.7	568.80			
2.7	855	3.0	516.95			
3.0	755	3.4	455.78			
1.4	1680	0.85	1013.0	**K53G22A DL71K4**	182/186	54
1.5	1520	0.95	920.69	**K53G22B DL71K4**		54
1.7	1340	1.05	811.74	**K53G22C DL71K4**		57
1.9	1190	1.20	718.94			
2.1	1070	1.35	648.83			
2.3	990	1.45	597.22			
2.6	870	1.65	524.36			
2.9	780	1.85	470.34			
3.2	705	2.0	427.46			
3.7	625	2.3	376.88			
4.1	550	2.6	333.79			
4.6	500	2.9	301.24			
5.0	460	3.1	277.28			
5.6	410	3.5	247.82			
2.5	935	0.80	565.19	**K43G12A DL71K4**	181/186	34
2.8	830	0.90	501.06	**K43G12B DL71K4**		34
3.1	740	1.00	446.44	**K43G12C DL71K4**		36
3.5	665	1.10	400.77			
4.0	580	1.30	349.80			
4.5	505	1.45	306.38			
5.0	455	1.65	275.54			
5.6	410	1.80	249.26			
6.1	375	2.00	227.20			
6.8	335	2.2	202.69			
7.6	300	2.5	181.81			
8.4	275	2.7	164.95			
9.5	240	2.9	146.17			
11	215	2.9	128.66			
9.1	260	2.8	151.92	**K43A DL71K4**	181	29
11	225	3.3	131.28	**K43B DL71K4**		29
				K43C DL71K4		31

n2	T2	cG	i	Typ	Wymiary	~kg
[1/min]	[Nm]				Strona	
0.25 kW						
4.5	510	0.80	308.06	**K33G12A DL71K4**	180/186	26
5.2	445	0.90	268.88	**K33G12B DL71K4**		26
5.9	390	1.00	235.51	**K33G12C DL71K4**		28
6.6	350	1.15	210.10			
7.3	310	1.30	188.46			
8.1	285	1.40	171.28			
9.2	250	1.60	151.01			
10	220	1.80	133.74			
12	198	2.0	119.69			
13	172	2.3	104.17			
12	205	1.95	120.13	**K33A DL71K4**	180	21
13	178	2.2	103.13	**K33B DL71K4**		21
15	155	2.6	89.71	**K33C DL71K4**		24
18	136	2.9	78.85			
20	120	3.3	69.88			
22	107	3.7	62.34			
25	96	4.1	55.92			
27	88	4.6	50.82			
31	77	5.2	44.80			
35	68	5.8	39.68			
51	47	8.5	27.26			
57	42	9.6	24.15			
64	37	11	21.55			
72	33	12	19.33			
79	30	13	17.57			
89	27	15	15.49			
101	24	17	13.72			
149	16	15	9.30			
164	15	20	8.45			
186	13	22	7.45			
210	11	24	6.60			
0.37 kW						
0.37	9040	0.90	3755.0	**K83G33A DL71G4**	185/186	199
0.41	8110	1.00	3368.2	**K83G33B DL71G4**		199
0.45	7370	1.10	3061.2	**K83G33C DL71G4**		215
0.51	6500	1.20	2698.9			
0.59	5800	1.35	2357.9	**K83G32A DL71G4**	185/186	199
0.66	5180	1.55	2105.6	**K83G32B DL71G4**		199
0.73	4650	1.70	1893.6	**K83G32C DL71G4**		215
0.81	4210	1.90	1713.0			
0.88	3840	2.1	1561.4			
0.99	3420	2.3	1393.0			
1.1	3070	2.6	1249.5			
1.2	2800	2.8	1138.2			
1.4	2450	3.2	996.96			
1.5	2230	3.6	906.86			

n2 [1/min]	T2 [Nm]	cG	i	Typ	Wymiary Strona	~kg
0.37 kW						
0.67	5080	0.85	2068.0	**K73G32A DL71G4**	184/186	131
0.75	4540	0.95	1846.7	**K73G32B DL71G4**		131
0.83	4080	1.05	1660.8	**K73G32C DL71G4**		140
0.92	3690	1.15	1502.4			
1.0	3370	1.30	1369.5			
1.1	3000	1.45	1221.7			
1.3	2690	1.60	1095.9			
1.4	2440	1.75	994.22			
1.6	2120	2.0	861.22			
1.8	1920	2.3	779.24			
2.0	1740	2.5	707.41			
2.2	1550	2.8	630.75			
2.6	1300	3.3	527.31			
1.1	3010	0.85	1225.1	**K63G22A DL71G4**	183/186	79
1.2	2740	0.95	1113.4	**K63G22B DL71G4**		79
1.4	2410	1.05	981.68	**K63G22C DL71G4**		84
1.6	2140	1.20	869.44			
1.7	1980	1.30	803.80			
1.9	1780	1.45	724.09			
2.2	1560	1.65	634.13			
2.4	1400	1.85	568.80			
2.7	1270	2.0	516.95			
3.0	1120	2.3	455.78			
3.4	990	2.6	403.67			
3.7	915	2.8	373.19			
4.1	825	3.1	336.18			
4.6	740	3.4	301.25			
5.1	665	3.6	269.78			
5.7	595	3.6	242.80			
6.5	520	3.6	211.83			
1.9	1770	0.80	718.94	**K53G22A DL71G4**	182/186	55
2.1	1590	0.90	648.83	**K53G22B DL71G4**		55
2.3	1470	0.95	597.22	**K53G22C DL71G4**		58
2.6	1290	1.10	524.36			
2.9	1160	1.25	470.34			
3.2	1050	1.35	427.46			
3.7	925	1.55	376.88			
4.1	820	1.75	333.79			
4.6	740	1.95	301.24			
5.0	680	2.1	277.28			
5.6	610	2.3	247.82			
6.3	540	2.6	220.06			
7.1	480	3.0	195.01			
8.0	425	3.3	173.54			
9.3	365	3.6	148.66			
3.9	860	0.85	349.80	**K43G12A DL71G4**	181/186	35
4.5	755	1.00	306.38	**K43G12B DL71G4**		35
5.0	675	1.10	275.54	**K43G12C DL71G4**		37
5.5	615	1.20	249.26			
6.1	560	1.35	227.20			
6.8	500	1.50	202.69			
7.6	445	1.65	181.81			
8.4	405	1.85	164.95			
9.4	360	1.95	146.17			
11	315	1.95	128.66			

n2 [1/min]	T2 [Nm]	cG	i	Typ	Wymiary Strona	~kg
0.37 kW						
9.1	390	1.90	151.92	**K43A DL71G4**	181	30
11	335	2.2	131.28	**K43B DL71G4**		30
12	295	2.5	114.99	**K43C DL71G4**		32
14	260	2.9	101.80			
15	235	3.2	90.90			
17	210	3.5	81.75			
7.3	465	0.85	188.46	**K33G12A DL71G4**	180/186	27
8.1	420	0.95	171.28	**K33G12B DL71G4**		27
9.1	370	1.05	151.01	**K33G12C DL71G4**		29
10	330	1.20	133.74			
12	295	1.35	119.69			
13	255	1.55	104.17			
11	310	1.30	120.13	**K33A DL71G4**	180	22
13	265	1.50	103.13	**K33B DL71G4**		22
15	230	1.75	89.71	**K33C DL71G4**		25
18	200	2.00	78.85			
20	179	2.2	69.88			
22	160	2.5	62.34			
25	143	2.8	55.92			
27	130	3.1	50.82			
31	115	3.5	44.80			
35	102	3.9	39.68			
51	70	5.7	27.26			
57	62	6.5	24.15			
64	55	7.2	21.55			
71	49	8.1	19.33			
79	45	8.9	17.57			
89	40	10	15.49			
101	35	11	13.72			
148	24	10	9.30			
163	22	14	8.45			
185	19	15	7.45			
209	17	16	6.60			
0.55 kW						
0.52	9450	0.85	2698.9	**K83G33A DL80K4**	185/186	201
				K83G33B DL80K4		201
				K83G33C DL80K4		218
0.60	8430	0.95	2357.9	**K83G32A DL80K4**	185/186	201
0.67	7530	1.05	2105.6	**K83G32B DL80K4**		201
0.74	6770	1.20	1893.6	**K83G32C DL80K4**		218
0.82	6130	1.30	1713.0			
0.90	5580	1.40	1561.4			
1.0	4980	1.60	1393.0			
1.1	4470	1.80	1249.5			
1.2	4070	1.95	1138.2			
1.4	3570	2.2	996.96			
1.6	3240	2.5	906.86			

Motoreduktory Walcowo - Stożkowe K

n2	T2	cG	i	Typ	Wymiary	~kg
[1/min]	[Nm]				Strona	
0.55 kW						
0.94	5370	0.80	1502.4	**K73G32A DL80K4**	184/186	133
1.0	4900	0.90	1369.5	**K73G32B DL80K4**		133
1.2	4370	1.00	1221.7	**K73G32C DL80K4**		142
1.3	3920	1.10	1095.9			
1.4	3560	1.20	994.22			
1.6	3080	1.40	861.22			
1.8	2790	1.55	779.24			
2.0	2530	1.70	707.41			
2.2	2260	1.90	630.75			
2.7	1890	2.3	527.31			
2.9	1710	2.5	478.39			
3.4	1480	2.9	414.39			
3.8	1340	3.2	374.95			
4.1	1220	3.6	340.39			
1.6	3110	0.80	869.44	**K63G22A DL80K4**	183/186	81
1.8	2870	0.90	803.80	**K63G22B DL80K4**		81
1.9	2590	1.00	724.09	**K63G22C DL80K4**		87
2.2	2270	1.15	634.13			
2.5	2030	1.25	568.80			
2.7	1850	1.40	516.95			
3.1	1630	1.55	455.78			
3.5	1440	1.75	403.67			
3.8	1330	1.90	373.19			
4.2	1200	2.1	336.18			
4.7	1080	2.4	301.25			
5.2	965	2.5	269.78			
5.8	870	2.5	242.80			
6.7	760	2.5	211.83			
3.0	1680	0.85	470.34	**K53G22A DL80K4**	182/186	57
3.3	1530	0.95	427.46	**K53G22B DL80K4**		57
3.7	1350	1.05	376.88	**K53G22C DL80K4**		61
4.2	1190	1.20	333.79			
4.7	1080	1.35	301.24			
5.1	990	1.45	277.28			
5.7	885	1.60	247.82			
6.4	785	1.80	220.06			
7.2	695	2.0	195.01			
8.1	620	2.3	173.54			
9.5	530	2.5	148.66			
10	520	2.8	138.94	**K53A DL80K4**	182	51
11	460	3.1	123.46	**K53B DL80K4**		51
13	410	3.5	110.68	**K53C DL80K4**		55
5.7	890	0.85	249.26	**K43G12A DL80K4**	181/186	38
6.2	815	0.90	227.20	**K43G12B DL80K4**		38
7.0	725	1.05	202.69	**K43G12C DL80K4**		40
7.8	650	1.15	181.81			
8.5	590	1.25	164.95			
9.6	525	1.35	146.17			
11	460	1.35	128.66			
12	430	1.75	114.99	**K43A DL80K4**	181	33
14	380	1.95	101.80	**K43B DL80K4**		33
16	340	2.2	90.90	**K43C DL80K4**		35
17	305	2.4	81.75			
19	275	2.7	73.96			
21	250	3.0	67.41			
23	225	3.3	60.14			

n2	T2	cG	i	Typ	Wymiary	~kg
[1/min]	[Nm]				Strona	
0.55 kW						
11	480	0.85	133.74	**K33G12A DL80K4**	180/186	30
12	430	0.95	119.69	**K33G12B DL80K4**		30
14	375	1.05	104.17	**K33G12C DL80K4**		32
16	335	1.20	89.71	**K33A DL80K4**	180	25
18	295	1.35	78.85	**K33B DL80K4**		25
20	260	1.55	69.88	**K33C DL80K4**		27
23	230	1.70	62.34			
25	210	1.90	55.92			
28	189	2.1	50.82			
31	167	2.4	44.80			
36	148	2.7	39.68			
52	102	3.9	27.26			
58	90	4.4	24.15			
65	80	5.0	21.55			
73	72	5.5	19.33			
80	65	6.1	17.57			
91	58	6.9	15.49			
103	51	7.8	13.72			
152	35	7.0	9.30			
167	31	9.5	8.45			
189	28	10	7.45			
214	25	11	6.60			
0.75 kW						
0.74	9300	0.85	1893.6	**K83G32A DL80G4**	185/186	202
0.82	8410	0.95	1713.0	**K83G32B DL80G4**		202
0.90	7670	1.05	1561.4	**K83G32C DL80G4**		219
1.0	6840	1.15	1393.0			
1.1	6140	1.30	1249.5			
1.2	5590	1.40	1138.2			
1.4	4900	1.65	996.96			
1.5	4450	1.80	906.86			
1.3	5380	0.80	1095.9	**K73G32A DL80G4**	184/186	134
1.4	4880	0.90	994.22	**K73G32B DL80G4**		134
1.6	4230	1.00	861.22	**K73G32C DL80G4**		143
1.8	3830	1.15	779.24			
2.0	3470	1.25	707.41			
2.2	3100	1.40	630.75			
2.7	2590	1.65	527.31			
2.9	2350	1.85	478.39			
3.4	2040	2.1	414.39			
3.7	1840	2.4	374.95			
4.1	1670	2.6	340.39			
2.2	3110	0.80	634.13	**K63G22A DL80G4**	183/186	82
2.5	2790	0.90	568.80	**K63G22B DL80G4**		82
2.7	2540	1.00	516.95	**K63G22C DL80G4**		88
3.1	2240	1.15	455.78			
3.5	1980	1.30	403.67			
3.8	1830	1.40	373.19			
4.2	1650	1.55	336.18			
4.6	1480	1.70	301.25			
5.2	1320	1.80	269.78			
5.8	1190	1.80	242.80			
6.6	1040	1.80	211.83			
7.4	930	1.80	189.77			
8.7	820	3.1	160.53	**K63A DL80G4**	183	78
9.7	740	3.5	144.48	**K63B DL80G4**		78
				K63C DL80G4		83

n2 [1/min]	T2 [Nm]	cG	i	Typ	Wymiary Strona	~kg
0.75 kW						
4.2	1640	0.85	333.79	**K53G22A DL80G4**	182/186	58
4.6	1480	0.95	301.24	**K53G22B DL80G4**		58
5.0	1360	1.05	277.28	**K53G22C DL80G4**		62
5.6	1220	1.15	247.82			
6.4	1080	1.30	220.06			
7.2	960	1.50	195.01			
8.1	850	1.70	173.54			
9.4	730	1.80	148.66			
10	710	2.0	138.94	**K53A DL80G4**	182	52
11	630	2.3	123.46	**K53B DL80G4**		52
13	565	2.5	110.68	**K53C DL80G4**		56
14	510	2.8	99.94			
15	465	3.1	90.79			
17	425	3.4	83.01			
7.7	895	0.85	181.81	**K43G12A DL80G4**	181/186	39
8.5	810	0.90	164.95	**K43G12B DL80G4**		39
9.6	720	0.95	146.17	**K43G12C DL80G4**		41
11	630	0.95	128.66			
12	590	1.25	114.99	**K43A DL80G4**	181	34
14	520	1.45	101.80	**K43B DL80G4**		34
15	465	1.60	90.90	**K43C DL80G4**		36
17	420	1.80	81.75			
19	380	1.95	73.96			
21	345	2.2	67.41			
23	310	2.4	60.14			
13	510	0.80	104.17	**K33G12A DL80G4**	180/186	31
				K33G12B DL80G4		31
				K33G12C DL80G4		33
16	460	0.85	89.71	**K33A DL80G4**	180	26
18	405	1.00	78.85	**K33B DL80G4**		26
20	355	1.10	69.88	**K33C DL80G4**		28
22	320	1.25	62.34			
25	285	1.40	55.92			
28	260	1.55	50.82			
31	230	1.75	44.80			
35	205	1.95	39.68			
51	139	2.9	27.26			
58	124	3.2	24.15			
65	110	3.6	21.55			
72	99	4.0	19.33			
80	90	4.4	17.57			
90	79	5.0	15.49			
102	70	5.7	13.72			
151	48	5.1	9.30			
166	43	6.9	8.45			
188	38	7.5	7.45			
212	34	8.0	6.60			

n2 [1/min]	T2 [Nm]	cG	i	Typ	Wymiary Strona	~kg
1.1 kW						
1.0	9890	0.80	1393.0	**K83G32A DL90S4**	185/186	206
1.1	8870	0.90	1249.5	**K83G32B DL90S4**		206
1.2	8080	1.00	1138.2	**K83G32C DL90S4**		222
1.3	8050	1.00	1133.6			
1.4	7130	1.10	1004.6			
1.4	7080	1.10	996.96			
1.6	6440	1.25	906.86			
1.6	6280	1.25	884.22			
1.7	5800	1.25	816.82			
1.8	5500	1.45	774.35			
2.0	5010	1.60	705.34			
2.3	4390	1.80	617.84			
2.6	3870	2.1	545.46			
2.9	3430	2.3	483.36			
3.3	3020	2.6	425.46			
3.8	2650	3.0	372.59			
4.2	2410	3.3	339.39			
1.8	5530	0.80	779.24	**K73G32A DL90S4**	184/186	138
2.0	5020	0.85	707.41	**K73G32B DL90S4**		138
2.1	4820	0.90	679.15	**K73G32C DL90S4**		147
2.3	4480	0.95	630.75			
2.3	4380	1.00	616.14			
2.7	3790	1.15	533.72			
2.7	3740	1.15	527.31			
3.0	3400	1.25	478.40			
3.0	3400	1.25	478.39			
3.3	3010	1.45	423.94			
3.4	2940	1.45	414.39			
3.8	2660	1.65	374.95			
3.8	2650	1.65	373.15			
4.2	2420	1.80	340.39			
4.3	2320	1.85	326.79			
4.7	2160	2.0	303.50			
4.8	2110	2.1	296.47			
5.5	1820	2.4	256.81			
6.1	1650	2.6	232.36			
6.7	1500	2.9	210.95			
7.5	1340	3.2	188.09			
7.8	1360	3.2	183.21	**K73A DL90S4**	184	130
8.5	1230	3.5	166.63	**K73B DL90S4**		130
				K73C DL90S4		139
3.1	3240	0.80	455.78	**K63G22A DL90S4**	183/186	86
3.5	2870	0.90	403.67	**K63G22B DL90S4**		86
3.8	2650	0.95	373.19	**K63G22C DL90S4**		91
3.9	2570	1.00	361.24			
4.2	2390	1.05	336.18			
4.5	2230	1.15	314.40			
4.7	2140	1.20	301.25			
5.3	1920	1.25	269.78			
5.4	1860	1.35	261.84			
5.8	1720	1.25	242.80			
6.1	1670	1.55	234.63			
6.7	1500	1.25	211.83			
6.8	1490	1.60	210.12			
7.5	1350	1.25	189.77			
7.5	1340	1.60	189.10			

Motoreduktory Walcowo - Stożkowe K

n2	T2	cG	i	Typ	Wymiary	~kg
[1/min]	[Nm]				Strona	
1.1 kW						
8.8	1190	2.1	160.53	**K63A DL90S4**	183	81
9.8	1070	2.4	144.48	**K63B DL90S4**		81
11	970	2.6	130.99	**K63C DL90S4**		86
12	885	2.9	119.50			
13	815	3.1	109.93			
14	735	3.5	99.21			
5.7	1760	0.80	247.82	**K53G22A DL90S4**	182/186	62
6.1	1670	0.85	234.62	**K53G22B DL90S4**		62
6.5	1560	0.90	220.06	**K53G22C DL90S4**		65
6.6	1530	0.95	215.96			
7.3	1380	1.05	195.01			
7.4	1370	1.05	193.02			
8.2	1230	1.15	173.54			
8.3	1220	1.15	171.40			
9.3	1080	1.30	151.88			
9.6	1060	1.25	148.66			
11	960	1.50	135.16			
12	915	1.55	123.46	**K53A DL90S4**	182	56
13	820	1.75	110.68	**K53B DL90S4**		56
14	740	1.95	99.94	**K53C DL90S4**		59
16	670	2.1	90.79			
17	615	2.3	83.01			
19	550	2.6	74.48			
21	495	2.9	67.22			
23	460	3.1	61.87			
26	410	3.5	55.30			
14	755	1.00	101.80	**K43A DL90S4**	181	37
16	670	1.10	90.90	**K43B DL90S4**		37
17	605	1.25	81.75	**K43C DL90S4**		39
19	545	1.35	73.96			
21	500	1.50	67.41			
24	445	1.65	60.14			
26	400	1.85	53.94			
29	360	2.1	48.94			
33	320	2.3	43.37			
37	280	2.6	38.17			
42	245	3.0	33.43			
56	189	3.9	25.56			

n2	T2	cG	i	Typ	Wymiary	~kg
[1/min]	[Nm]				Strona	
1.1 kW						
23	460	0.85	62.34	**K33A DL90S4**	180	29
25	415	0.95	55.92	**K33B DL90S4**		29
28	375	1.05	50.82	**K33C DL90S4**		31
32	330	1.20	44.80			
36	295	1.35	39.68			
40	265	1.50	35.51			
46	230	1.75	30.91			
52	200	2.00	27.26			
59	179	2.2	24.15			
66	159	2.5	21.55			
73	143	2.8	19.33			
81	130	3.1	17.57			
92	115	3.5	15.49			
104	101	3.9	13.72			
116	91	4.4	12.27			
133	79	5.0	10.68			
153	69	3.5	9.30			
168	63	4.8	8.45			
191	55	5.2	7.45			
215	49	5.5	6.60			
240	44	6.0	5.91			
276	38	6.6	5.14			
1.5 kW						
1.4	9830	0.80	1004.6	**K83G32A DL90L4**	185/186	207
1.4	9760	0.80	996.96	**K83G32B DL90L4**		207
1.5	8880	0.90	906.86	**K83G32C DL90L4**		224
1.6	8650	0.90	884.22			
1.7	7990	0.90	816.82			
1.8	7580	1.05	774.35			
2.0	6900	1.15	705.34			
2.3	6050	1.30	617.84			
2.6	5340	1.50	545.46			
2.9	4730	1.70	483.36			
3.3	4160	1.90	425.46			
3.8	3650	2.2	372.59			
4.1	3320	2.4	339.39			
4.7	2910	2.7	297.29			
5.2	2650	3.0	270.42			
5.8	2380	3.0	243.57			
6.4	2140	3.0	218.69			
2.6	5220	0.85	533.72	**K73G32A DL90L4**	184/186	139
2.7	5160	0.85	527.31	**K73G32B DL90L4**		139
2.9	4680	0.90	478.40	**K73G32C DL90L4**		148
2.9	4680	0.90	478.39			
3.3	4150	1.05	423.94			
3.4	4060	1.05	414.39			
3.7	3670	1.20	374.95			
3.8	3650	1.20	373.15			
4.1	3330	1.30	340.39			
4.3	3200	1.35	326.79			
4.6	2970	1.45	303.50			
4.7	2900	1.50	296.47			
5.5	2510	1.70	256.81			
6.0	2270	1.90	232.36			
6.7	2060	2.1	210.95			
7.5	1840	2.4	188.09			

n2 [1/min]	T2 [Nm]	cG	i	Typ	Wymiary Strona	~kg
1.5 kW						
7.7	1870	2.3	183.21	**K73A DL90L4**	184	131
8.4	1700	2.5	166.63	**K73B DL90L4**		131
9.2	1550	2.8	152.50	**K73C DL90L4**		140
9.9	1440	3.0	141.34			
11	1310	3.3	128.10			
12	1190	3.6	116.83			
4.2	3290	0.80	336.18	**K63G22A DL90L4**	183/186	87
4.5	3080	0.85	314.40	**K63G22B DL90L4**		87
4.7	2950	0.85	301.25	**K63G22C DL90L4**		93
5.2	2640	0.90	269.78			
5.4	2560	1.00	261.84			
5.8	2380	0.90	242.80			
6.0	2300	1.10	234.63			
6.6	2070	0.90	211.83			
6.7	2060	1.15	210.12			
7.4	1860	0.90	189.77			
7.4	1850	1.15	189.10			
8.8	1640	1.55	160.53	**K63A DL90L4**	183	82
9.7	1470	1.75	144.48	**K63B DL90L4**		82
11	1340	1.90	130.99	**K63C DL90L4**		88
12	1220	2.1	119.50			
13	1120	2.3	109.93			
14	1010	2.5	99.21			
16	920	2.8	90.07			
17	850	3.0	83.27			
19	765	3.3	75.02			
8.1	1700	0.85	173.54	**K53G22A DL90L4**	182/186	63
8.2	1680	0.85	171.40	**K53G22B DL90L4**		63
9.3	1490	0.95	151.88	**K53G22C DL90L4**		67
9.5	1460	0.90	148.66			
10	1320	1.10	135.16			
11	1260	1.15	123.46	**K53A DL90L4**	182	58
13	1130	1.25	110.68	**K53B DL90L4**		58
14	1020	1.40	99.94	**K53C DL90L4**		61
15	925	1.55	90.79			
17	845	1.70	83.01			
19	760	1.90	74.48			
21	685	2.1	67.22			
23	630	2.3	61.87			
25	565	2.5	55.30			
29	500	2.9	49.10			
15	925	0.80	90.90	**K43A DL90L4**	181	39
17	835	0.90	81.75	**K43B DL90L4**		39
19	755	1.00	73.96	**K43C DL90L4**		41
21	685	1.10	67.41			
23	615	1.20	60.14			
26	550	1.35	53.94			
29	500	1.50	48.94			
32	440	1.70	43.37			
37	390	1.90	38.17			
42	340	2.2	33.43			
55	260	2.9	25.56			
60	240	3.1	23.30			
68	210	3.5	20.79			
75	190	3.7	18.65			
83	172	4.0	16.92			

n2 [1/min]	T2 [Nm]	cG	i	Typ	Wymiary Strona	~kg
1.5 kW						
31	455	0.85	44.80	**K33A DL90L4**	180	31
35	405	1.00	39.68	**K33B DL90L4**		31
40	360	1.10	35.51	**K33C DL90L4**		33
45	315	1.25	30.91			
52	280	1.45	27.26			
58	245	1.60	24.15			
65	220	1.80	21.55			
73	197	2.0	19.33			
80	179	2.2	17.57			
91	158	2.5	15.49			
102	140	2.9	13.72			
114	125	3.2	12.27			
132	109	3.7	10.68			
151	95	2.5	9.30			
166	86	3.5	8.45			
189	76	3.8	7.45			
213	67	4.0	6.60			
238	60	4.3	5.91			
273	52	4.8	5.14			
2.2 kW						
2.0	10050	0.80	705.34	**K83G32A DL100L4**	185/186	214
2.3	8810	0.90	617.84	**K83G32B DL100L4**		214
2.6	7780	1.00	545.46	**K83G32C DL100L4**		230
2.9	6890	1.15	483.36			
3.3	6060	1.30	425.46			
3.8	5310	1.50	372.59			
4.2	4840	1.65	339.39			
4.3	4670	1.70	327.28			
4.7	4250	1.85	298.11			
4.8	4240	1.90	297.29			
5.2	3850	2.1	270.42			
5.4	3720	2.1	261.13			
5.8	3470	2.1	243.57			
6.0	3390	2.4	237.53			
6.5	3120	2.1	218.69			
6.6	3050	2.4	213.95			
7.4	2740	2.4	192.10			
7.5	2670	2.1	187.60			
3.8	5340	0.80	374.95	**K73G32A DL100L4**	184/186	146
3.8	5320	0.80	373.15	**K73G32B DL100L4**		146
4.2	4850	0.90	340.39	**K73G32C DL100L4**		155
4.3	4660	0.95	326.79			
4.7	4330	1.00	303.50			
4.8	4230	1.00	296.47			
5.5	3660	1.20	256.81			
6.1	3310	1.30	232.36			
6.7	3010	1.45	210.95			
7.5	2680	1.60	188.09			
7.7	2720	1.60	183.21	**K73A DL100L4**	184	137
8.5	2470	1.75	166.63	**K73B DL100L4**		137
9.3	2260	1.90	152.50	**K73C DL100L4**		146
10	2100	2.1	141.34			
11	1900	2.3	128.10			
12	1730	2.5	116.83			
13	1610	2.7	108.36			
14	1460	3.0	98.17			
16	1330	3.3	89.29			
18	1200	3.6	80.57			

Motoreduktory Walcowo - Stożkowe K

n2	T2	cG	i	Typ	Wymiary	~kg
[1/min]	[Nm]				Strona	
2.2 kW						
6.7	3000	0.80	210.12	**K63G22A DL100L4**	183/186	94
7.5	2700	0.80	189.10	**K63G22B DL100L4**		94
				K63G22C DL100L4		99
9.8	2150	1.20	144.48	**K63A DL100L4**	183	88
11	1940	1.30	130.99	**K63B DL100L4**		88
12	1770	1.45	119.50	**K63C DL100L4**		93
13	1630	1.55	109.93			
14	1470	1.75	99.21			
16	1340	1.90	90.07			
17	1240	2.1	83.27			
19	1110	2.3	75.02			
21	1000	2.6	67.22			
24	895	2.9	60.20			
13	1640	0.85	110.68	**K53A DL100L4**	182	63
14	1480	0.95	99.94	**K53B DL100L4**		63
16	1350	1.05	90.79	**K53C DL100L4**		66
17	1230	1.15	83.01			
19	1110	1.30	74.48			
21	1000	1.45	67.22			
23	920	1.55	61.87			
26	820	1.75	55.30			
29	730	1.95	49.10			
33	645	2.2	43.51			
37	575	2.5	38.72			
48	440	3.3	29.56			
53	395	3.6	26.68			
58	365	3.9	24.56			
24	895	0.85	60.14	**K43A DL100L4**	181	45
26	800	0.95	53.94	**K43B DL100L4**		45
29	725	1.00	48.94	**K43C DL100L4**		47
33	645	1.15	43.37			
37	565	1.30	38.17			
42	495	1.50	33.43			
48	435	1.70	29.37			
55	380	1.95	25.56			
61	345	2.1	23.30			
68	310	2.4	20.79			
76	275	2.6	18.65			
84	250	2.7	16.92			
94	225	3.0	14.99			
107	196	3.3	13.20			
122	172	3.6	11.56			
139	151	3.9	10.15			
165	128	3.6	8.60			
186	113	4.0	7.62			

n2	T2	cG	i	Typ	Wymiary	~kg
[1/min]	[Nm]				Strona	
2.2 kW						
46	460	0.85	30.91	**K33A DL100L4**	180	37
59	360	1.10	24.15	**K33B DL100L4**		37
66	320	1.25	21.55	**K33C DL100L4**		40
73	285	1.40	19.33			
81	260	1.55	17.57			
91	230	1.75	15.49			
103	205	1.95	13.72			
115	182	2.2	12.27			
132	159	2.5	10.68			
152	138	1.75	9.30			
167	125	2.4	8.45			
190	111	2.6	7.45			
214	98	2.8	6.60			
240	88	3.0	5.91			
275	76	3.3	5.14			
3.0 kW						
3.0	9300	0.85	483.36	**K83G32A DL100LX4**	185/186	217
3.4	8180	0.95	425.46	**K83G32B DL100LX4**		217
3.8	7170	1.10	372.59	**K83G32C DL100LX4**		234
4.2	6530	1.20	339.39			
4.4	6290	1.25	327.28			
4.8	5730	1.40	298.11			
4.8	5720	1.40	297.29			
5.3	5200	1.55	270.42			
5.5	5020	1.60	261.13			
5.9	4680	1.55	243.57			
6.0	4570	1.75	237.53			
6.5	4210	1.55	218.69			
6.7	4110	1.75	213.95			
7.4	3690	1.75	192.10			
7.6	3610	1.55	187.60			
8.7	3170	1.75	164.78			
9.9	2900	2.7	144.68	**K83A DL100LX4**	185	214
11	2650	3.0	132.28	**K83B DL100LX4**		214
12	2450	3.2	122.27	**K83C DL100LX4**		230
13	2230	3.6	111.12			
5.6	4940	0.90	256.81	**K73G32A DL100LX4**	184/186	149
6.2	4470	0.95	232.36	**K73G32B DL100LX4**		149
6.8	4060	1.05	210.95	**K73G32C DL100LX4**		158
7.6	3620	1.20	188.09			
7.8	3670	1.20	183.21	**K73A DL100LX4**	184	140
8.6	3340	1.30	166.63	**K73B DL100LX4**		140
9.4	3060	1.40	152.50	**K73C DL100LX4**		149
10	2830	1.55	141.34			
11	2570	1.70	128.10			
12	2340	1.85	116.83			
13	2170	2.00	108.36			
15	1970	2.2	98.17			
16	1790	2.4	89.29			
18	1610	2.7	80.57			

3.0 kW

n2 [1/min]	T2 [Nm]	cG	i	Typ	Wymiary Strona	~kg
9.9	2890	0.90	144.48	**K63A DL100LX4**	183	91
11	2620	0.95	130.99	**K63B DL100LX4**		91
12	2390	1.05	119.50	**K63C DL100LX4**		97
13	2200	1.15	109.93			
14	1990	1.30	99.21			
16	1800	1.40	90.07			
17	1670	1.55	83.27			
19	1500	1.70	75.02			
21	1350	1.90	67.22			
24	1210	2.1	60.20			
16	1820	0.80	90.79	**K53A DL100LX4**	182	66
17	1660	0.85	83.01	**K53B DL100LX4**		66
19	1490	0.95	74.48	**K53C DL100LX4**		70
21	1350	1.05	67.22			
23	1240	1.15	61.87			
26	1110	1.30	55.30			
29	985	1.45	49.10			
33	870	1.65	43.51			
37	775	1.85	38.72			
48	590	2.4	29.56			
54	535	2.7	26.68			
58	490	2.9	24.56			
65	440	3.2	21.95			
73	390	3.7	19.49			
33	870	0.85	43.37	**K43A DL100LX4**	181	49
37	765	0.95	38.17	**K43B DL100LX4**		49
43	670	1.10	33.43	**K43C DL100LX4**		51
49	590	1.25	29.37			
56	510	1.45	25.56			
61	465	1.60	23.30			
69	415	1.75	20.79			
77	375	1.90	18.65			
85	340	2.0	16.92			
95	300	2.2	14.99			
108	265	2.4	13.20			
124	230	2.7	11.56			
141	205	2.9	10.15			
166	172	2.7	8.60			
188	153	2.9	7.62			
213	134	3.2	6.71			
243	118	3.5	5.87			
277	103	3.9	5.16			
59	485	0.80	24.15	**K33A DL100LX4**	180	41
66	430	0.90	21.55	**K33B DL100LX4**		41
74	385	1.05	19.33	**K33C DL100LX4**		43
81	350	1.15	17.57			
92	310	1.30	15.49			
104	275	1.45	13.72			
116	245	1.60	12.27			
134	215	1.85	10.68			
154	186	1.30	9.30			
169	169	1.75	8.45			
192	149	1.90	7.45			
217	132	2.0	6.60			
242	118	2.2	5.91			
278	103	2.4	5.14			

4.0 kW

n2 [1/min]	T2 [Nm]	cG	i	Typ	Wymiary Strona	~kg
3.9	9520	0.85	372.59	**K83G32A DL112M4**	185/186	230
4.2	8670	0.90	339.39	**K83G32B DL112M4**		230
4.4	8360	0.95	327.28	**K83G32C DL112M4**		247
4.8	7620	1.05	298.11			
4.8	7600	1.05	297.29			
5.3	6910	1.15	270.42			
5.5	6670	1.20	261.13			
5.9	6220	1.15	243.57			
6.0	6070	1.30	237.53			
6.6	5590	1.15	218.69			
6.7	5470	1.30	213.95			
7.5	4910	1.30	192.10			
7.6	4790	1.15	187.60			
8.7	4210	1.30	164.78			
9.9	3850	2.1	144.68	**K83A DL112M4**	185	226
11	3520	2.3	132.28	**K83B DL112M4**		226
12	3250	2.4	122.27	**K83C DL112M4**		243
13	2960	2.7	111.12			
14	2700	2.9	101.42			
16	2450	3.3	91.87			
6.8	5390	0.80	210.95	**K73G32A DL112M4**	184/186	162
7.6	4810	0.90	188.09	**K73G32B DL112M4**		162
				K73G32C DL112M4		171
8.6	4440	1.00	166.63	**K73A DL112M4**	184	153
9.4	4060	1.05	152.50	**K73B DL112M4**		153
10	3760	1.15	141.34	**K73C DL112M4**		162
11	3410	1.25	128.10			
12	3110	1.40	116.83			
13	2880	1.50	108.36			
15	2610	1.65	98.17			
16	2380	1.80	89.29			
18	2140	2.0	80.57			
20	1950	2.2	73.10			
33	1170	3.7	43.99			
12	3180	0.80	119.50	**K63A DL112M4**	183	105
13	2930	0.85	109.93	**K63B DL112M4**		105
14	2640	0.95	99.21	**K63C DL112M4**		110
16	2400	1.05	90.07			
17	2220	1.15	83.27			
19	2000	1.30	75.02			
21	1790	1.45	67.22			
24	1600	1.60	60.20			
26	1440	1.75	54.18			
48	795	3.2	29.77			
54	710	3.6	26.68			
60	635	4.0	23.89			

Motoreduktory Walcowo - Stożkowe K

n2	T2	cG	i	Typ	Wymiary	~kg
[1/min]	[Nm]				Strona	
4.0 kW						
21	1790	0.80	67.22	**K53A DL112M4**	182	79
23	1650	0.85	61.87	**K53B DL112M4**		79
26	1470	0.95	55.30	**K53C DL112M4**		83
29	1310	1.10	49.10			
33	1160	1.25	43.51			
37	1030	1.40	38.72			
49	785	1.80	29.56			
54	710	2.0	26.68			
58	655	2.2	24.56			
65	585	2.4	21.95			
74	520	2.8	19.49			
83	460	3.1	17.27			
93	410	3.5	15.37			
133	285	3.0	10.75			
150	255	3.2	9.55			
170	225	3.5	8.46			
191	200	3.7	7.53			
43	890	0.85	33.43	**K43A DL112M4**	181	62
49	780	0.95	29.37	**K43B DL112M4**		62
56	680	1.10	25.56	**K43C DL112M4**		64
62	620	1.20	23.30			
69	555	1.35	20.79			
77	495	1.45	18.65			
85	450	1.55	16.92			
96	400	1.65	14.99			
109	350	1.80	13.20			
124	310	2.00	11.56			
141	270	2.2	10.15			
167	230	2.0	8.60			
188	205	2.2	7.62			
214	179	2.4	6.71			
244	156	2.7	5.87			
278	137	2.9	5.16			
74	515	0.80	19.33	**K33A DL112M4**	180	53
82	470	0.85	17.57	**K33B DL112M4**		53
93	410	0.95	15.49	**K33C DL112M4**		56
105	365	1.10	13.72			
117	325	1.20	12.27			
134	285	1.40	10.68			
154	250	0.95	9.30			
170	225	1.30	8.45			
193	198	1.45	7.45			
217	176	1.55	6.60			
243	157	1.65	5.91			
279	137	1.85	5.14			
5.5 kW						
5.4	9400	0.85	270.42	**K83G32A DA132S4**	185/186	237
5.6	9080	0.90	261.13	**K83G32B DA132S4**		237
6.0	8470	0.85	243.57	**K83G32C DA132S4**		254
6.1	8260	0.95	237.53			
6.6	7610	0.85	218.69			
6.8	7440	0.95	213.95			
7.5	6680	0.95	192.10			
7.7	6520	0.85	187.60			
8.8	5730	0.95	164.78			

n2	T2	cG	i	Typ	Wymiary	~kg
[1/min]	[Nm]				Strona	
5.5 kW						
10	5240	1.50	144.68	**K83A DA132S4**	185	232
11	4790	1.65	132.28	**K83B DA132S4**		232
12	4430	1.80	122.27	**K83C DA132S4**		249
13	4030	2.00	111.12			
14	3670	2.2	101.42			
16	3330	2.4	91.87			
17	3030	2.6	83.68			
20	2660	3.0	73.30			
22	2420	3.3	66.68			
24	2180	3.7	60.06			
11	4640	0.95	128.10	**K73A DA132S4**	184	161
12	4230	1.00	116.83	**K73B DA132S4**		161
13	3930	1.10	108.36	**K73C DA132S4**		170
15	3560	1.20	98.17			
16	3230	1.35	89.29			
18	2920	1.50	80.57			
20	2650	1.65	73.10			
23	2290	1.90	63.32			
25	2080	2.1	57.29			
28	1880	2.3	52.01			
31	1680	2.6	46.38			
33	1590	2.7	43.99			
36	1450	3.0	40.01			
40	1310	3.3	36.10			
44	1190	3.6	32.75			
16	3260	0.80	90.07	**K63A DA132S4**	183	112
17	3020	0.85	83.27	**K63B DA132S4**		112
19	2720	0.95	75.02	**K63C DA132S4**		117
22	2440	1.05	67.22			
24	2180	1.15	60.20			
27	1960	1.30	54.18			
31	1710	1.50	47.27			
34	1530	1.65	42.35			
39	1360	1.90	37.56			
44	1200	2.1	33.00			
49	1080	2.4	29.77			
54	965	2.6	26.68			
61	865	3.0	23.89			
67	780	3.3	21.50			
77	680	3.7	18.76			
86	610	3.9	16.81			
30	1780	0.80	49.10	**K53A DA132S4**	182	87
33	1580	0.90	43.51	**K53B DA132S4**		87
37	1400	1.00	38.72	**K53C DA132S4**		90
44	1200	1.20	33.17			
49	1070	1.35	29.56			
54	965	1.50	26.68			
59	890	1.60	24.56			
66	795	1.80	21.95			
74	705	2.0	19.49			
84	625	2.3	17.27			
94	555	2.6	15.37			
110	475	3.0	13.17			
125	420	3.2	11.61			
135	390	2.2	10.75			
152	345	2.4	9.55			
171	305	2.5	8.46			
193	275	2.7	7.53			
225	235	3.0	6.45			
255	205	3.2	5.69			

n2 [1/min]	T2 [Nm]	cG	i	Typ	Wymiary Strona	~kg
5.5 kW						
70	755	1.00	20.79	**K43A DA132S4**	181	69
78	675	1.05	18.65	**K43B DA132S4**		69
86	615	1.15	16.92	**K43C DA132S4**		71
97	545	1.20	14.99			
110	480	1.35	13.20			
125	420	1.45	11.56			
143	370	1.60	10.15			
169	310	1.50	8.60			
190	275	1.65	7.62			
216	245	1.80	6.71			
247	215	1.95	5.87			
281	187	2.1	5.16			
7.5 kW						
10	7150	1.10	144.68	**K83A DA132M4**	185	237
11	6530	1.20	132.28	**K83B DA132M4**		237
12	6040	1.30	122.27	**K83C DA132M4**		254
13	5490	1.45	111.12			
14	5010	1.60	101.42			
16	4540	1.75	91.87			
17	4130	1.90	83.68			
20	3620	2.2	73.30			
22	3290	2.4	66.68			
24	2970	2.7	60.06			
27	2660	3.0	53.92			
13	5350	0.80	108.36	**K73A DA132M4**	184	165
15	4850	0.90	98.17	**K73B DA132M4**		165
16	4410	1.00	89.29	**K73C DA132M4**		174
18	3980	1.10	80.57			
20	3610	1.20	73.10			
23	3130	1.40	63.32			
25	2830	1.55	57.29			
28	2570	1.70	52.01			
31	2290	1.90	46.38			
33	2170	2.00	43.99			
36	1980	2.2	40.01			
40	1780	2.4	36.10			
44	1620	2.6	32.75			
51	1400	2.9	28.37			
56	1270	3.1	25.67			
62	1150	3.3	23.31			
70	1030	3.6	20.78			
24	2970	0.85	60.20	**K63A DA132M4**	183	116
27	2680	0.95	54.18	**K63B DA132M4**		116
31	2330	1.10	47.27	**K63C DA132M4**		122
34	2090	1.20	42.35			
39	1860	1.40	37.56			
44	1630	1.55	33.00			
49	1470	1.75	29.77			
54	1320	1.95	26.68			
61	1180	2.2	23.89			
67	1060	2.4	21.50			
77	925	2.7	18.76			
86	830	2.9	16.81			
97	735	3.1	14.91			
111	645	3.3	13.10			
125	570	3.0	11.58			
139	515	3.2	10.43			
159	450	3.8	9.10			

n2 [1/min]	T2 [Nm]	cG	i	Typ	Wymiary Strona	~kg
7.5 kW						
44	1640	0.85	33.17	**K53A DA132M4**	182	91
49	1460	1.00	29.56	**K53B DA132M4**		91
54	1320	1.10	26.68	**K53C DA132M4**		95
59	1210	1.20	24.56			
66	1080	1.30	21.95			
74	965	1.50	19.49			
84	855	1.65	17.27			
94	760	1.90	15.37			
110	650	2.2	13.17			
125	575	2.3	11.61			
135	530	1.60	10.75			
152	470	1.75	9.55			
171	420	1.85	8.46			
193	370	2.00	7.53			
225	320	2.2	6.45			
255	280	2.3	5.69			
86	835	0.85	16.92	**K43A DA132M4**	181	73
97	740	0.90	14.99	**K43B DA132M4**		73
110	650	1.00	13.20	**K43C DA132M4**		75
125	570	1.10	11.56			
143	500	1.20	10.15			
169	425	1.10	8.60			
190	375	1.20	7.62			
216	330	1.30	6.71			
247	290	1.45	5.87			
281	255	1.55	5.16			
9.2 kW						
13	6640	1.20	111.12	**K83A DA160MS4**	185	256
14	6060	1.30	101.42	**K83B DA160MS4**		256
16	5490	1.45	91.87	**K83C DA160MS4**		273
18	5000	1.60	83.68			
20	4380	1.80	73.30			
22	3990	2.00	66.68			
24	3590	2.2	60.06			
27	3220	2.5	53.92			
32	2760	2.9	46.25			
37	2390	3.3	39.98			
45	1960	3.6	32.84			
49	1790	3.8	29.88			
16	5340	0.80	89.29	**K73A DA160MS4**	184	186
18	4820	0.90	80.57	**K73B DA160MS4**		186
20	4370	1.00	73.10	**K73C DA160MS4**		195
23	3780	1.15	63.32			
26	3420	1.25	57.29			
28	3110	1.40	52.01			
32	2770	1.55	46.38			
33	2630	1.65	43.99			
37	2390	1.80	40.01			
41	2160	2.0	36.10			
45	1960	2.2	32.75			
52	1700	2.4	28.37			
57	1530	2.6	25.67			
63	1390	2.7	23.31			
71	1240	3.0	20.78			
83	1050	3.3	17.62			
98	900	3.7	15.04			
107	820	3.3	13.76			
118	745	3.5	12.45			
130	675	3.8	11.30			

n2	T2	cG	i	Typ	Wymiary	~kg
[1/min]	[Nm]				Strona	
9.2 kW						
27	3240	0.80	54.18	**K63A DA160MS4**	183	137
31	2830	0.90	47.27	**K63B DA160MS4**		137
35	2530	1.00	42.35	**K63C DA160MS4**		143
39	2250	1.15	37.56			
45	1970	1.30	33.00			
49	1780	1.45	29.77			
55	1590	1.60	26.68			
62	1430	1.80	23.89			
68	1290	2.00	21.50			
78	1120	2.2	18.76			
87	1000	2.4	16.81			
99	890	2.5	14.91			
112	785	2.7	13.10			
127	690	2.5	11.58			
141	625	2.7	10.43			
162	545	3.1	9.10			
180	485	3.5	8.15			
203	430	3.9	7.23			
67	1310	1.10	21.95	**K53A DA160MS4**	182	112
75	1160	1.25	19.49	**K53B DA160MS4**		112
85	1030	1.40	17.27	**K53C DA160MS4**		116
96	920	1.55	15.37			
112	785	1.80	13.17			
127	695	1.95	11.61			
137	645	1.35	10.75			
154	570	1.45	9.55			
174	505	1.55	8.46			
195	450	1.65	7.53			
228	385	1.80	6.45			
258	340	1.95	5.69			
11.0 kW						
13	7940	1.00	111.12	**K83A DA160M4**	185	256
14	7250	1.10	101.42	**K83B DA160M4**		256
16	6570	1.20	91.87	**K83C DA160M4**		273
18	5980	1.35	83.68			
20	5240	1.50	73.30			
22	4760	1.65	66.68			
24	4290	1.85	60.06			
27	3850	2.1	53.92			
32	3310	2.4	46.25			
37	2860	2.7	39.98			
45	2350	3.0	32.84			
49	2140	3.2	29.88			
55	1920	3.4	26.91			
61	1730	3.7	24.16			

n2	T2	cG	i	Typ	Wymiary	~kg
[1/min]	[Nm]				Strona	
11.0 kW						
20	5220	0.85	73.10	**K73A DA160M4**	184	186
23	4520	0.95	63.32	**K73B DA160M4**		186
26	4090	1.05	57.29	**K73C DA160M4**		195
28	3720	1.15	52.01			
32	3310	1.30	46.38			
33	3140	1.40	43.99			
37	2860	1.50	40.01			
41	2580	1.70	36.10			
45	2340	1.80	32.75			
52	2030	2.00	28.37			
57	1830	2.1	25.67			
63	1670	2.3	23.31			
71	1480	2.5	20.78			
83	1260	2.8	17.62			
98	1070	3.1	15.04			
107	985	2.8	13.76			
118	890	3.0	12.45			
130	810	3.2	11.30			
146	720	3.4	10.08			
172	610	3.9	8.54			
35	3030	0.85	42.35	**K63A DA160M4**	183	137
39	2680	0.95	37.56	**K63B DA160M4**		137
45	2360	1.10	33.00	**K63C DA160M4**		143
49	2130	1.20	29.77			
55	1910	1.35	26.68			
62	1710	1.50	23.89			
68	1540	1.65	21.50			
78	1340	1.85	18.76			
87	1200	2.00	16.81			
99	1070	2.1	14.91			
112	935	2.3	13.10			
127	830	2.1	11.58			
141	745	2.2	10.43			
162	650	2.6	9.10			
180	580	2.9	8.15			
203	515	3.3	7.23			
232	455	3.7	6.35			
67	1570	0.90	21.95	**K53A DA160M4**	182	112
75	1390	1.05	19.49	**K53B DA160M4**		112
85	1230	1.15	17.27	**K53C DA160M4**		116
96	1100	1.30	15.37			
112	940	1.50	13.17			
127	830	1.60	11.61			
137	770	1.10	10.75			
154	680	1.20	9.55			
174	605	1.30	8.46			
195	540	1.40	7.53			
228	460	1.50	6.45			
258	405	1.60	5.69			

n2 [1/min]	T2 [Nm]	cG	i	Typ	Wymiary Strona	~kg
15.0 kW						
14	9880	0.80	101.42	**K83A DA160L4**	185	276
16	8950	0.90	91.87	**K83B DA160L4**		276
18	8150	1.00	83.68	**K83C DA160L4**		292
20	7140	1.10	73.30			
22	6500	1.20	66.68			
24	5850	1.35	60.06			
27	5250	1.50	53.92			
32	4510	1.75	46.25			
37	3900	2.0	39.98			
45	3200	2.2	32.84			
49	2910	2.3	29.88			
55	2620	2.5	26.91			
61	2350	2.7	24.16			
71	2020	3.0	20.73			
82	1750	3.4	17.91			
105	1360	3.3	14.01			
117	1230	3.6	12.58			
136	1050	4.0	10.79			
26	5580	0.80	57.29	**K73A DA160L4**	184	205
28	5070	0.85	52.01	**K73B DA160L4**		205
32	4520	0.95	46.38	**K73C DA160L4**		214
33	4290	1.00	43.99			
37	3900	1.10	40.01			
41	3520	1.25	36.10			
45	3190	1.35	32.75			
52	2760	1.45	28.37			
57	2500	1.55	25.67			
63	2270	1.70	23.31			
71	2020	1.80	20.78			
83	1720	2.0	17.62			
98	1470	2.3	15.04			
107	1340	2.0	13.76			
118	1210	2.2	12.45			
130	1100	2.3	11.30			
146	980	2.5	10.08			
172	835	2.8	8.54			
202	710	3.2	7.29			
45	3220	0.80	33.00	**K63A DA160L4**	183	157
49	2900	0.90	29.77	**K63B DA160L4**		157
55	2600	1.00	26.68	**K63C DA160L4**		162
62	2330	1.10	23.89			
68	2100	1.20	21.50			
78	1830	1.35	18.76			
87	1640	1.45	16.81			
99	1450	1.55	14.91			
112	1280	1.70	13.10			
127	1130	1.50	11.58			
141	1020	1.65	10.43			
162	885	1.90	9.10			
180	795	2.1	8.15			
203	705	2.4	7.23			
232	620	2.7	6.35			

n2 [1/min]	T2 [Nm]	cG	i	Typ	Wymiary Strona	~kg
15.0 kW						
85	1680	0.85	17.27	**K53A DA160L4**	182	132
96	1500	0.95	15.37	**K53B DA160L4**		132
112	1280	1.10	13.17	**K53C DA160L4**		135
127	1130	1.20	11.61			
137	1050	0.80	10.75			
154	930	0.90	9.55			
174	825	0.95	8.46			
195	735	1.00	7.53			
228	630	1.10	6.45			
258	555	1.20	5.69			
18.5 kW						
18	10020	0.80	83.68	**K83A DA180M4**	185	305
20	8780	0.90	73.30	**K83B DA180M4**		305
22	7990	1.00	66.68	**K83C DA180M4**		321
25	7190	1.10	60.06			
27	6460	1.25	53.92			
32	5540	1.45	46.25			
37	4790	1.65	39.98			
42	4160	1.80	34.75			
45	3930	1.80	32.84			
49	3580	1.90	29.88			
55	3220	2.1	26.91			
61	2890	2.2	24.16			
71	2480	2.5	20.73			
82	2150	2.7	17.91			
95	1870	3.0	15.57			
105	1680	2.7	14.01			
117	1510	2.9	12.58			
137	1290	3.2	10.79			
158	1120	3.6	9.32			
182	970	4.0	8.11			
32	5550	0.80	46.38	**K73A DA180M4**	184	236
41	4320	1.00	36.10	**K73B DA180M4**		236
45	3920	1.10	32.75	**K73C DA180M4**		245
52	3400	1.20	28.37			
57	3070	1.30	25.67			
63	2790	1.35	23.31			
71	2490	1.50	20.78			
84	2110	1.65	17.62			
98	1800	1.85	15.04			
107	1650	1.65	13.76			
118	1490	1.75	12.45			
131	1350	1.90	11.30			
146	1210	2.1	10.08			
173	1020	2.3	8.54			
202	875	2.6	7.29			
62	2860	0.90	23.89	**K63A DA180M4**	183	187
69	2580	1.00	21.50	**K63B DA180M4**		187
79	2250	1.10	18.76	**K63C DA180M4**		192
88	2010	1.20	16.81			
99	1790	1.25	14.91			
113	1570	1.35	13.10			
127	1390	1.25	11.58			
141	1250	1.35	10.43			
162	1090	1.55	9.10			
181	975	1.75	8.15			
204	865	1.95	7.23			
232	760	2.2	6.35			

n2 [1/min]	T2 [Nm]	cG	i	Typ	Wymiary Strona	~kg
22.0 kW						
22	9500	0.85	66.68	**K83A DA180L4**	185	335
25	8550	0.95	60.06	**K83B DA180L4**		335
27	7680	1.05	53.92	**K83C DA180L4**		351
32	6590	1.20	46.25			
37	5700	1.35	39.98			
42	4950	1.50	34.75			
45	4680	1.50	32.84			
49	4260	1.60	29.88			
55	3830	1.70	26.91			
61	3440	1.85	24.16			
71	2950	2.1	20.73			
82	2550	2.3	17.91			
95	2220	2.5	15.57			
105	2000	2.3	14.01			
117	1790	2.5	12.58			
137	1540	2.7	10.79			
158	1330	3.0	9.32			
182	1150	3.3	8.11			
41	5140	0.85	36.10	**K73A DA180L4**	184	266
45	4670	0.90	32.75	**K73B DA180L4**		266
52	4040	1.00	28.37	**K73C DA180L4**		275
57	3660	1.05	25.67			
63	3320	1.15	23.31			
71	2960	1.25	20.78			
84	2510	1.40	17.62			
98	2140	1.55	15.04			
107	1960	1.40	13.76			
118	1770	1.50	12.45			
131	1610	1.60	11.30			
146	1440	1.75	10.08			
173	1220	1.95	8.54			
202	1040	2.2	7.29			
69	3060	0.85	21.50	**K63A DA180L4**	183	217
79	2670	0.95	18.76	**K63B DA180L4**		217
88	2390	1.00	16.81	**K63C DA180L4**		222
99	2120	1.05	14.91			
113	1870	1.15	13.10			
127	1650	1.05	11.58			
141	1490	1.10	10.43			
162	1300	1.30	9.10			
181	1160	1.45	8.15			
204	1030	1.65	7.23			
232	905	1.90	6.35			

n2 [1/min]	T2 [Nm]	cG	i	Typ	Wymiary Strona	~kg
30.0 kW						
32	8980	0.90	46.25	**K83A DA200L4**	185	372
37	7770	1.00	39.98	**K83B DA200L4**		372
42	6750	1.10	34.75	**K83C DA200L4**		388
45	6380	1.10	32.84			
49	5800	1.20	29.88			
55	5230	1.25	26.91			
61	4690	1.35	24.16			
71	4030	1.50	20.73			
82	3480	1.70	17.91			
95	3020	1.85	15.57			
105	2720	1.65	14.01			
117	2440	1.80	12.58			
137	2100	2.00	10.79			
158	1810	2.2	9.32			
182	1570	2.4	8.11			
57	4990	0.80	25.67	**K73A DA200L4**	184	303
63	4530	0.85	23.31	**K73B DA200L4**		303
71	4040	0.90	20.78	**K73C DA200L4**		312
84	3420	1.05	17.62			
98	2920	1.15	15.04			
107	2670	1.00	13.76			
118	2420	1.10	12.45			
131	2190	1.15	11.30			
146	1960	1.25	10.08			
173	1660	1.40	8.54			
202	1420	1.60	7.29			

Motoreduktory Walcowo - Stożkowe K dla bardzo niskich prędkości wyjściowych

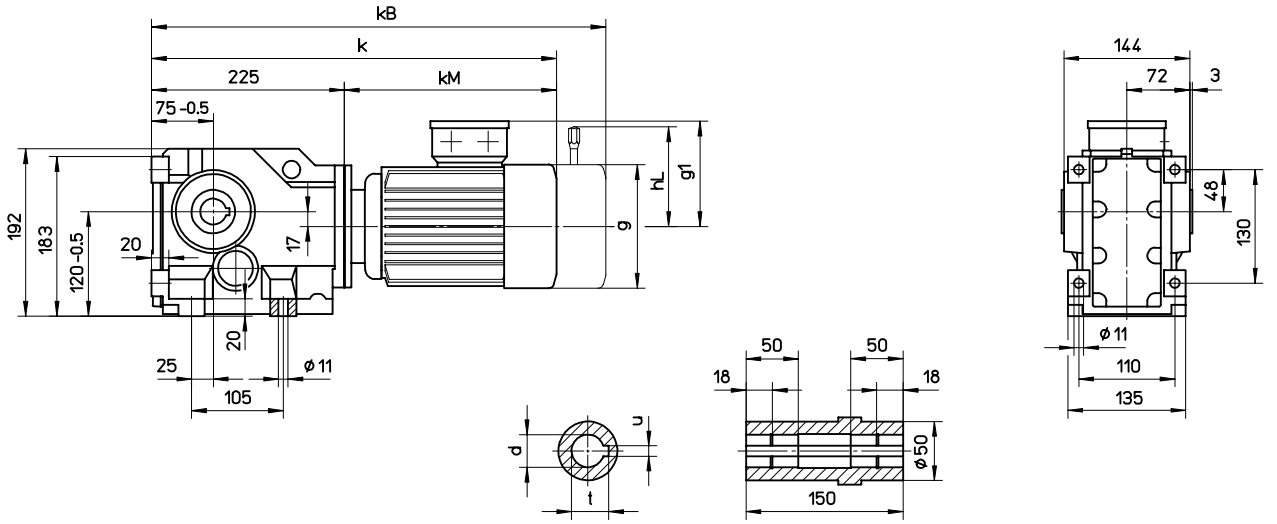
n2 [1/min]	i	Typ	Wymiary Strona	~kg
7960 Nm				
0.087	16285	**K83G33A DL63K4**	185/186	198
0.10	13981	**K83G33B DL63K4**		198
		K83G33C DL63K4		214
4330 Nm				
0.099	14283	**K73G33A DL63K4**	184/186	130
0.11	12262	**K73G33B DL63K4**		130
0.13	10667	**K73G33C DL63K4**		139
0.15	9375.1			
0.17	8308.2			
0.19	7411.9			
2550 Nm				
0.10	13818	**K63G23A DL63K4**	183/186	78
0.12	11805	**K63G23B DL63K4**		78
0.14	10216	**K63G23C DL63K4**		83
0.16	8930.1			
0.18	7867.5			
0.20	6974.9			
0.23	6258.7			
0.26	5470.7			
0.29	4819.7			
1430 Nm				
0.12	11426	**K53G23A DL63K4**	182/186	54
0.14	9761.9	**K53G23B DL63K4**		54
0.17	8447.9	**K53G23C DL63K4**		57
0.19	7384.3			
0.22	6505.6			
0.24	5767.5			
0.27	5175.3			
0.31	4523.7			
0.35	3985.4			
0.40	3533.2			
0.46	3093.4			
0.52	2725.3			
0.58	2416.1			
745 Nm				
0.13	10485	**K43G13A DL63K4**	181/186	34
0.16	8888.4	**K43G13B DL63K4**		34
0.18	7628.2	**K43G13C DL63K4**		36
0.21	6608.0			
0.24	5765.3			
0.28	5057.3			
0.32	4454.3			
0.36	3916.8			
0.42	3361.5			
0.48	2911.9			
0.55	2540.6			
0.62	2261.4	**K43G12A DL63K4**	181/186	34
0.73	1932.0	**K43G12B DL63K4**		34
0.84	1672.0	**K43G12C DL63K4**		36
0.96	1461.5			
1.1	1287.6			

n2 [1/min]	i	Typ	Wymiary Strona	~kg
400 Nm				
0.17	8059.3	**K33G13A DL63K4**	180/186	26
0.21	6832.3	**K33G13B DL63K4**		26
0.24	5863.6	**K33G13C DL63K4**		28
0.28	5079.4			
0.32	4431.6			
0.36	3887.4			
0.41	3423.9			
0.47	3010.7			
0.55	2583.9			
0.63	2238.3			
0.72	1952.8			
0.81	1738.3	**K33G12A DL63K4**	180/186	26
0.95	1485.1	**K33G12B DL63K4**		26
1.1	1285.2	**K33G12C DL63K4**		28
1.3	1123.4			
1.4	989.70			
1.6	877.42			
1.8	781.77			
2.0	701.79			

Motoreduktory Walcowo - Stożkowe K

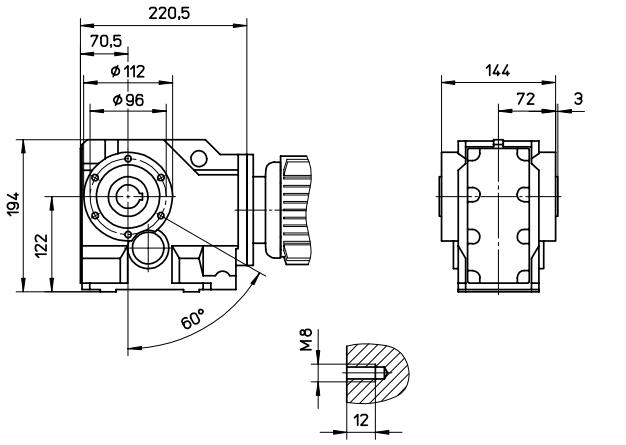
K33A

Wykonanie na łapach



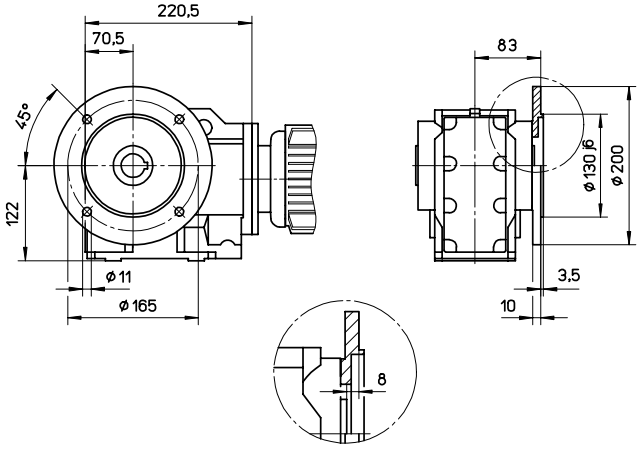
K33B

Wykonanie z wałem drążonym kołnierzem



K33C

Wykonanie z dużym



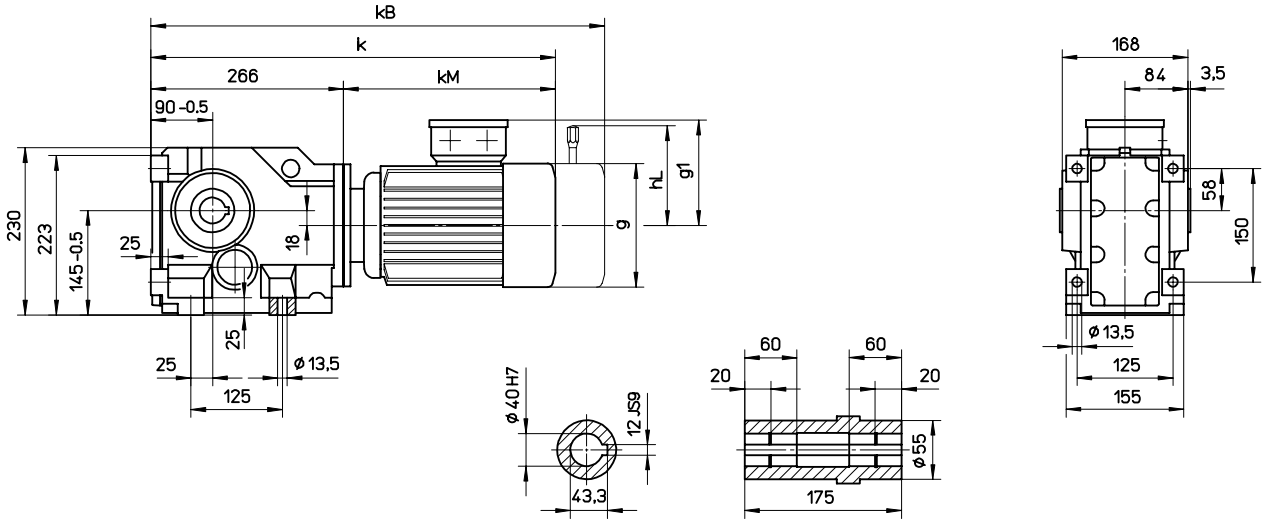
	k	kB	kM	g	g1	hL
K33_ DL63/71	421.5	475.5	196.5	126	113	106
K33_ DL80	465	522	240	142	121	114
K33_ DL90	509	574	284	160	130	128
K33_ DL100	559	630	334	180	141	168
K33_ DL112	600	687	375	200	151	176

Wał drążony	d	t	u
35	35H7	38.3	10
30	30H7	33.3	8

Wymiary kB i hL dotyczą motoreduktorów z hamulcem

K43A

Wykonanie na łapach



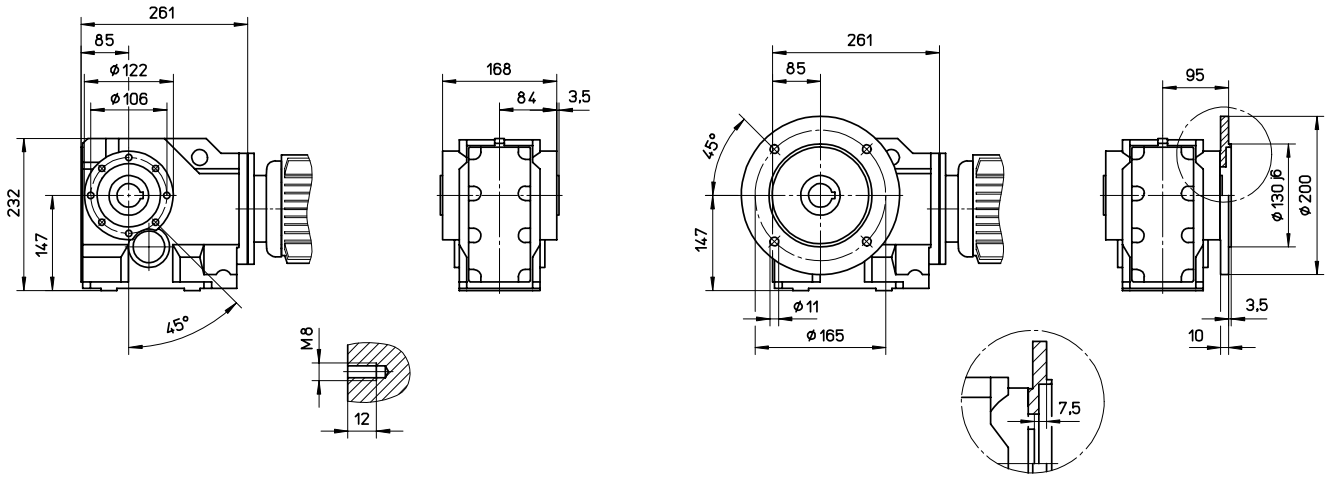
K43B

kołnierzem

Wykonanie z wałem drążonym

K43C

Wykonanie z dużym



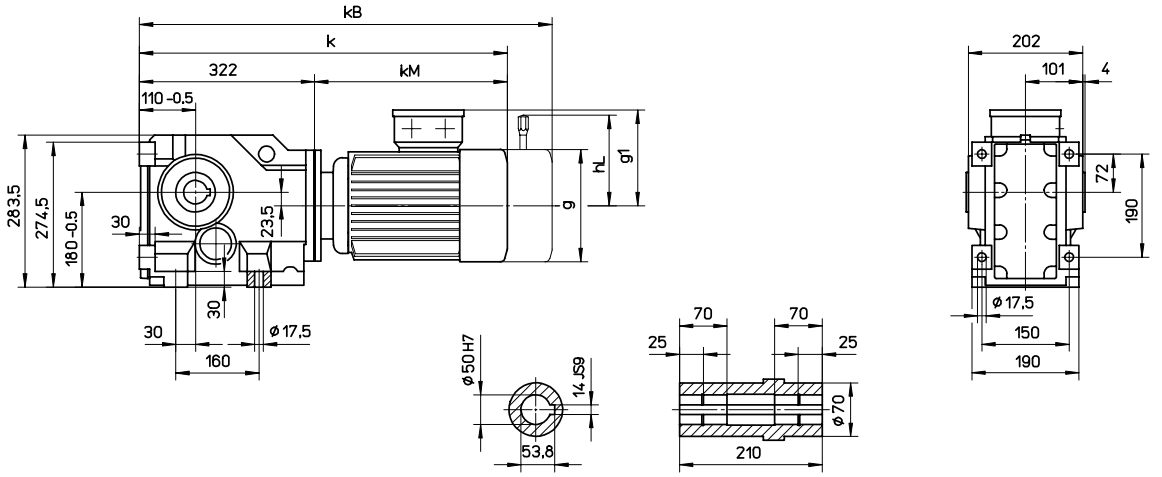
	k	kB	kM	g	g1	hL
K43_ DL63/71	462	516	196	126	113	106
K43_ DL80	505.5	562.5	239.5	142	121	114
K43_ DL90	551.5	616.5	285.5	160	130	128
K43_ DL100	600	671	334	180	141	168
K43_ DL112	641.5	728.5	375.5	200	151	176
K43_ DA132	701	800	435	245	188	225

Wymiary kB i hL dotyczą motoreduktorów z hamulcem

Motoreduktory Walcowo - Stożkowe K

K53A

Wykonanie na łapach

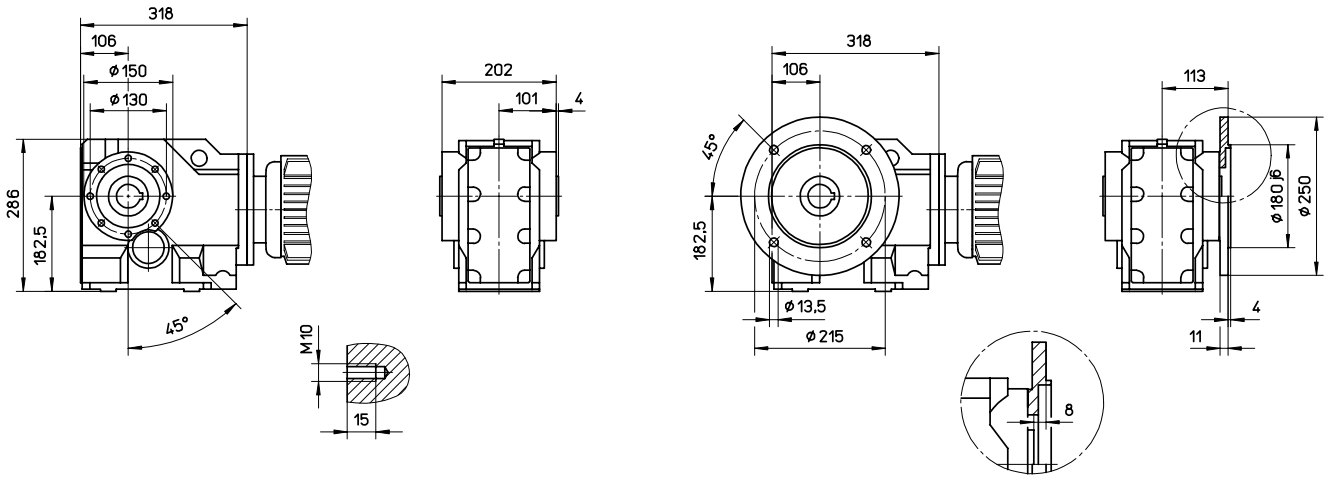


K53B

Wykonanie z wałem drążonym kołnierzem

K53C

Wykonanie z dużym

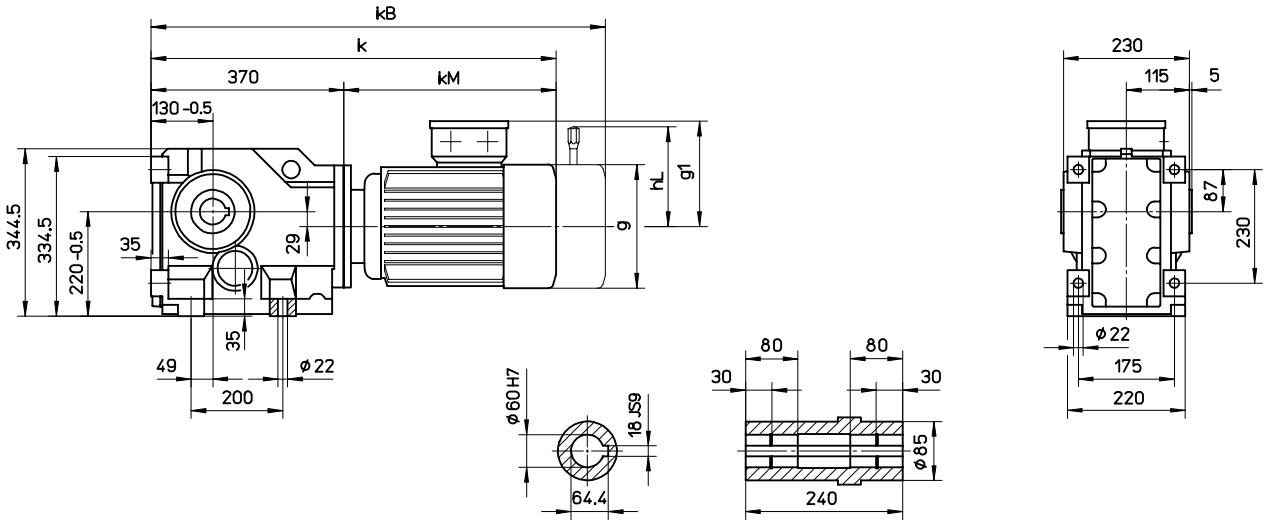


	k	kB	kM	g	g1	hL
K53_ DL63/71	514.5	568.5	192.5	126	113	106
K53_ DL80	558	615	236	142	121	114
K53_ DL90	604	669	282	160	130	128
K53_ DL100	651	722	329	180	141	168
K53_ DL112	693	780	371	200	151	176
K53_ DA132	753.5	852.5	431.5	245	188	225
K53_ DA160	861.5	981.5	539.5	311	250	256

Wymiary kB i hL dotyczą motoreduktorów z hamulcem

K63A

Wykonanie na łapach



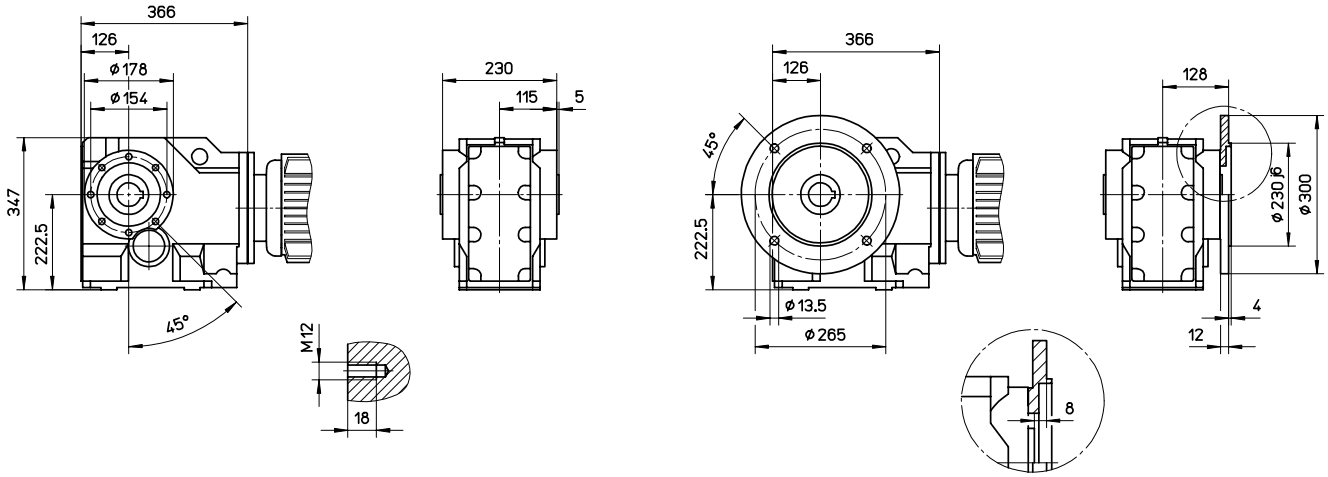
K63B

kołnierzem

Wykonanie z wałem drążonym

K63C

Wykonanie z dużym



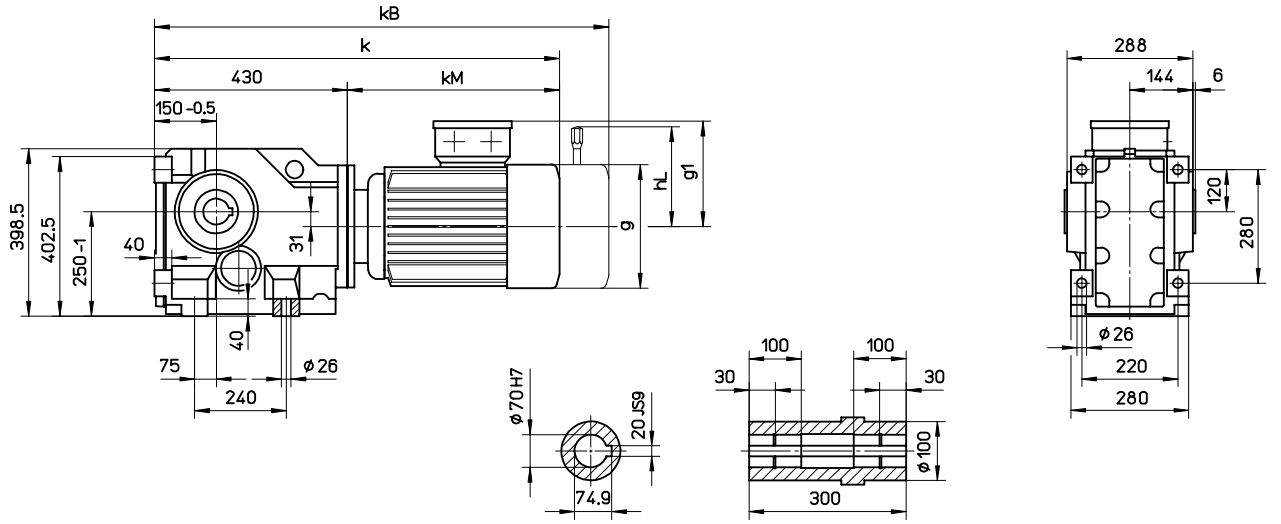
	k	kB	kM	g	g1	hL
K63_ DL80	601	658	231	142	121	114
K63_ DL90	647	712	277	160	130	128
K63_ DL100	696	767	326	180	141	168
K63_ DL112	737.5	824.5	367.5	200	151	176
K63_ DA132	798	897	428	245	188	225
K63_ DA160	902	1022	532	311	250	256
K63_ DA180	959	1098	589	356	291	335

Wymiary kB i hL dotyczą motoreduktorów z hamulcem

Motoreduktory Walcowo - Stożkowe K

K73A

Wykonanie na łapach

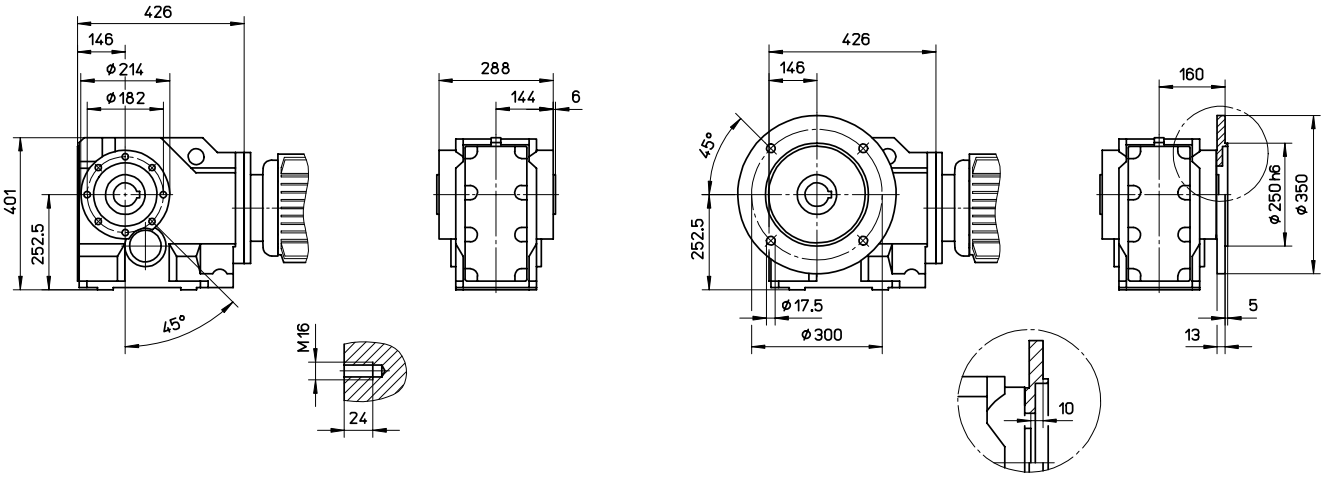


K73B

Wykonanie z wałem drążonym kołnierzem

K73C

Wykonanie z dużym



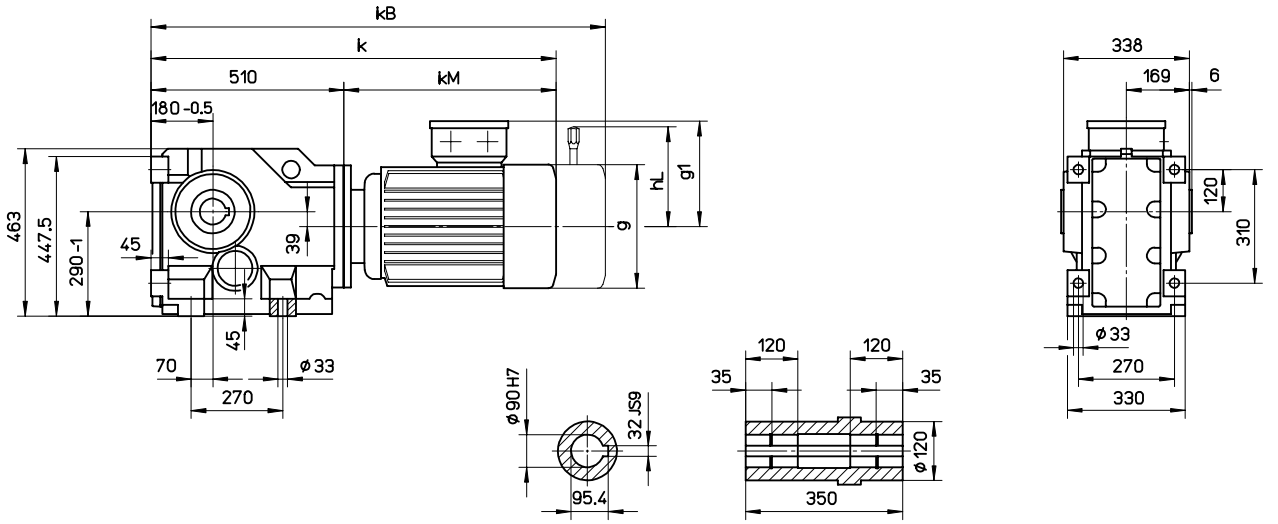
	k	kB	kM	g	g1	hL
K73_ DL90	700	765	267.5	160	130	128
K73_ DL100	749	820	312	180	141	168
K73_ DL112	790.5	877.5	348	200	151	176
K73_ DA132	851	950	400.5	245	188	225
K73_ DA160	956	1076	525	311	250	256
K73_ DA180	1013	1152	566	356	291	335
K73_ DA200	1063	1063	616	356	291	335

Wymiary kB i hL dotyczą motoreduktorów z hamulcem

Motoreduktory Walcowo - Stożkowe K

K83A

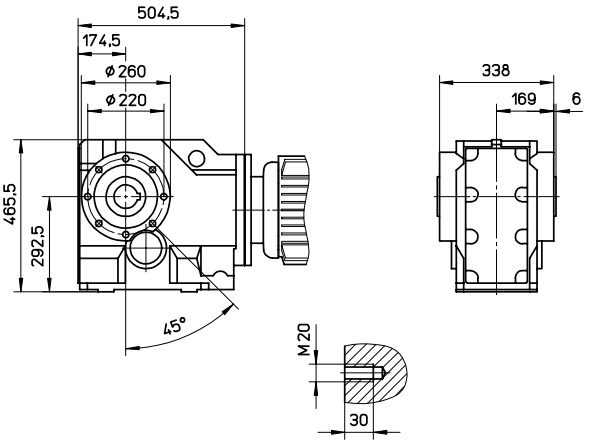
Wykonanie na łapach



K83B

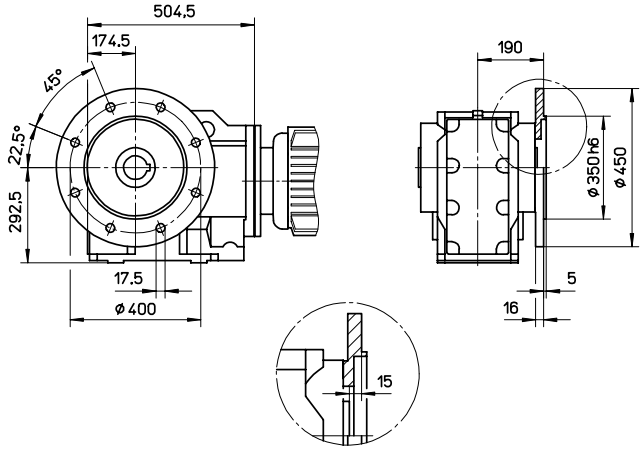
kołnierzem

Wykonanie z wałem drążonym



K83C

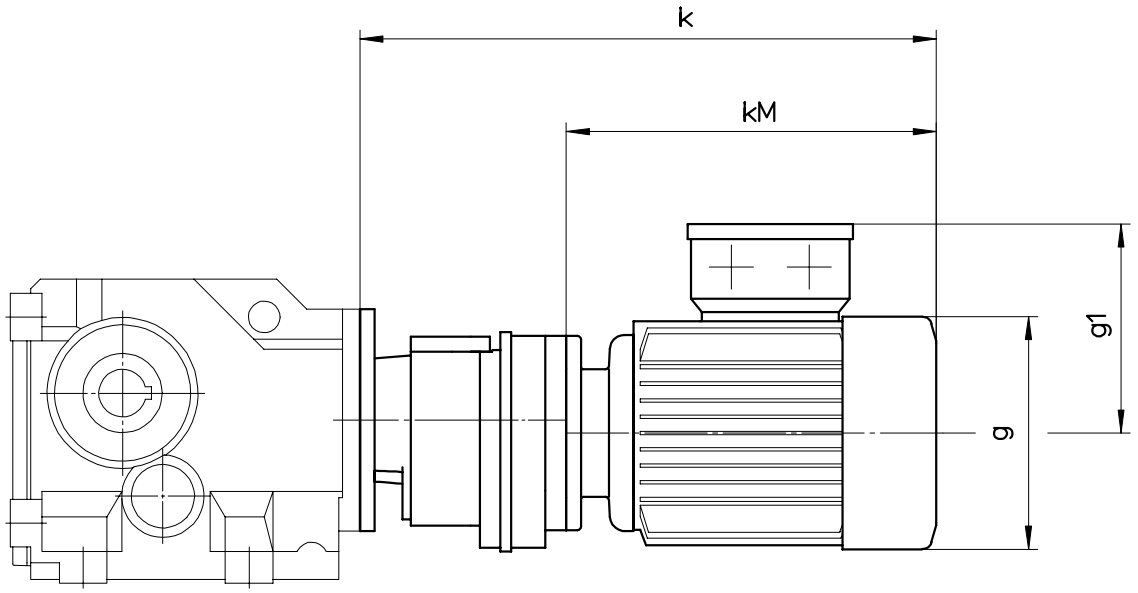
Wykonanie z dużym



	k	kB	kM	g	g1	hL
K83_ DL100	822	893	312	180	141	168
K83_ DL112	863.5	950.5	353.5	200	151	176
K83_ DA132	923	1022	413	245	188	225
K83_ DA160	1032	1152	522	311	250	256
K83_ DA180	1087.5	1226.5	577.5	356	291	335
K83_ DA200	1137.5	1137.5	627.5	356	291	335

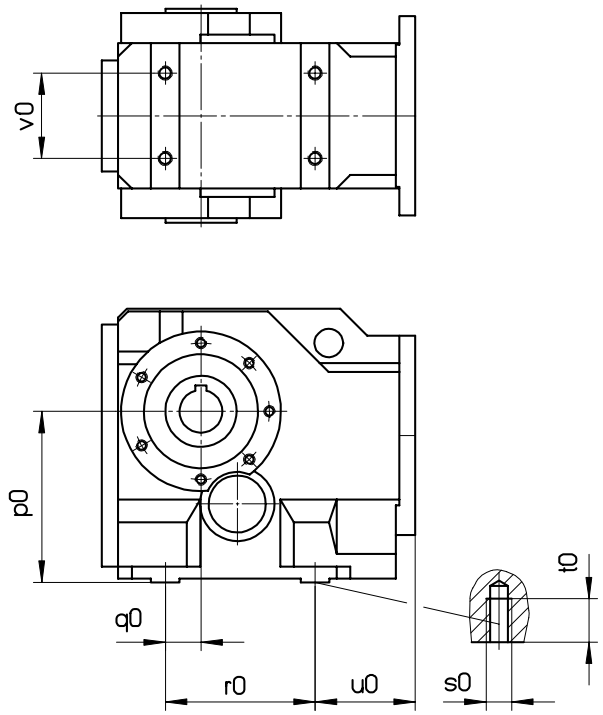
Wymiary kB i hL dotyczą motoreduktorów z hamulcem

Motoreduktory Walcowo - Stożkowe K dla bardzo niskich prędkości wyjściowych



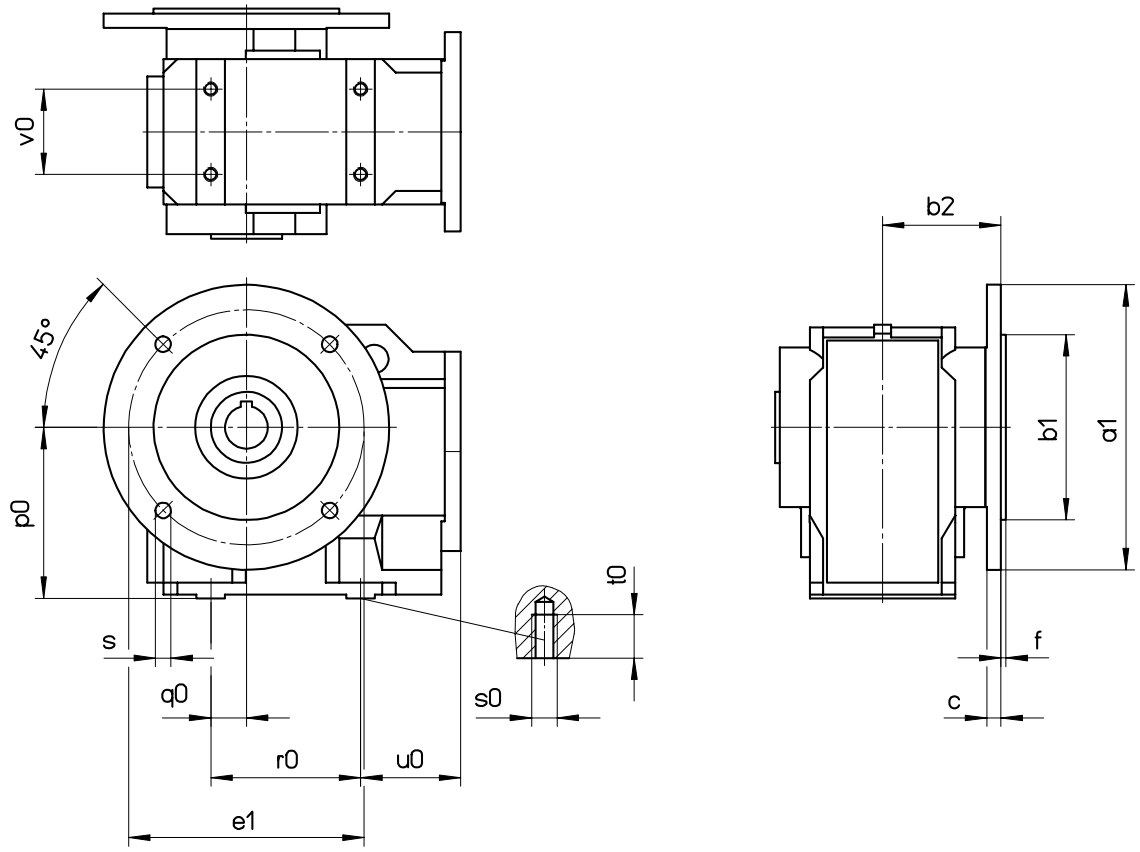
	k	kM	g	g1
K33G1__ DL63/71	323	200	126	113
K33G1__ DL80	366	243	142	121
K43G1__ DL63/71	323	200	126	113
K43G1__ DL80	366	243	142	121
K53G2__ DL63/71	342	197	126	113
K53G2__ DL80	385	240	142	121
K53G2__ DL90	429	284	160	130
K63G2__ DL63/71	342	197	126	113
K63G2__ DL80	385	240	142	121
K63G2__ DL90	429	284	160	130
K63G2__ DL100	482	337	180	141
K73G3__ DL63/71	370	196	126	113
K73G3__ DL80	413.5	239.5	142	121
K73G3__ DL90	459.5	285.5	160	130
K73G3__ DL100	508	334	180	141
K73G3__ DL112	549.5	375.5	200	151
K83G3__ DL63/71	370	196	126	113
K83G3__ DL80	413.5	239.5	142	121
K83G3__ DL90	459.5	285.5	160	130
K83G3__ DL100	508	334	180	141
K83G3__ DL112	549.5	375.5	200	151
K83G3__ DL132	609	435	245	188

Motoreduktory Walcowo - Stożkowe K
Wersja nasadowa + powierzchnia z łapami



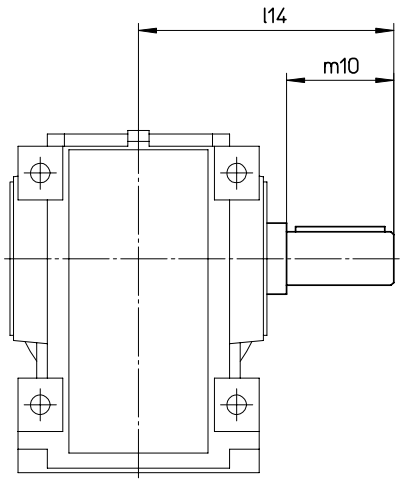
Reduktor	p0	q0	r0	s0	t0	u0	v0
K3	120	25	105	M10	15	70	60
K4	145	25	125	M12	18	76	70
K5	180	40	160	M16	24	92	80
K6	220	49	200	M16	24	89	95
K7	250	75	240	M20	30	115	125
K8	290	70	270	M24	36	130	150

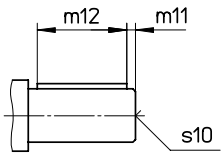
Motoreduktory Walcowo - Stożkowe K
Wersja kołnierzowa + powierzchnia z łapami

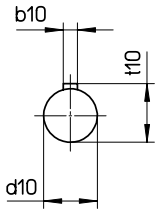


Reduktor	p0	q0	r0	s0	t0	u0	v0	a1	e1	b1	s	c	f	b2
K3	120	25	105	M10	15	70	60	200	165	130 j6	11	10	3.5	83
K4	145	25	125	M12	18	76	70	200	165	130 j6	11	10	3.5	95
K5	180	40	160	M16	24	92	80	250	215	180 j6	13.5	11	4	113
K6	220	49	200	M16	24	89	95	300	265	230j6	13.5	12	4	128
K7	250	75	240	M20	30	115	125	350	300	250h6	17.5	13	5	160
K8	290	70	270	M24	36	130	150	450	400	350h6	17.5	16	5	190

Motoreduktory Walcowo - Stożkowe K
Wersja z wałem wyjściowym pełnym

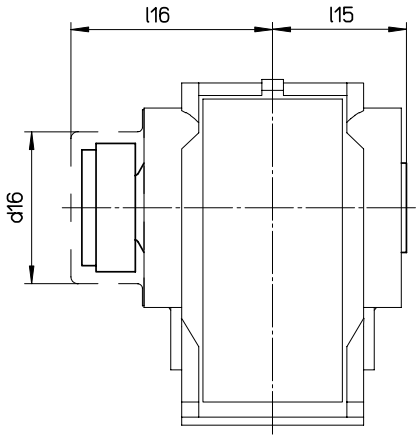


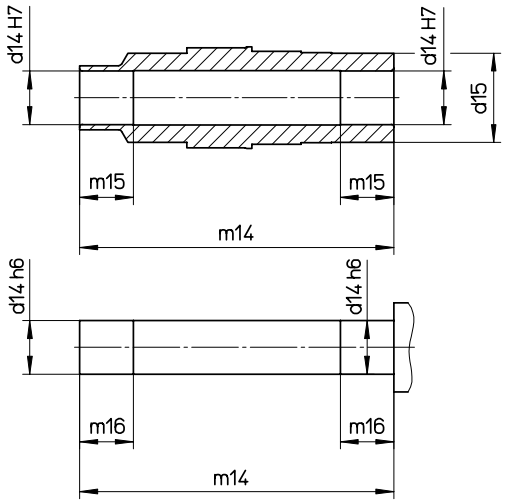




Reduktor	d10	m10	m11	m12	b10	t10	s10	l14
K3	30	60	5	50	8	33	M10	143
K3	35	70	7	56	10	38	M12	153
K4	40	80	5	70	12	43	M16	175
K5	50	100	10	80	14	53.5	M16	213
K6	60	120	10	100	18	64	M20	248
K7	75	140	7.5	125	20	79.5	M20	300
K8	90	170	15	140	25	95	M24	360

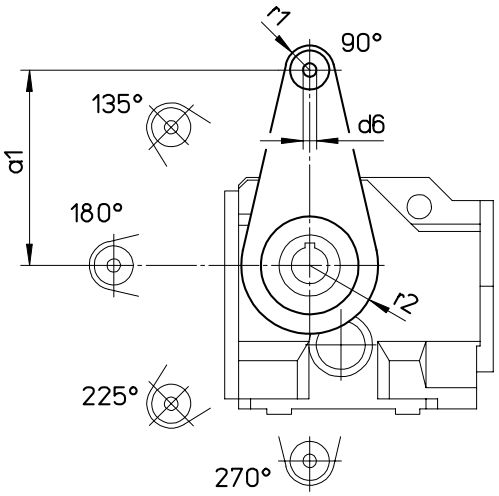
Motoreduktory Walcowo - Stożkowe K
Wersja z wałem wyjściowym drążonym i pierścieniem zaciskowym

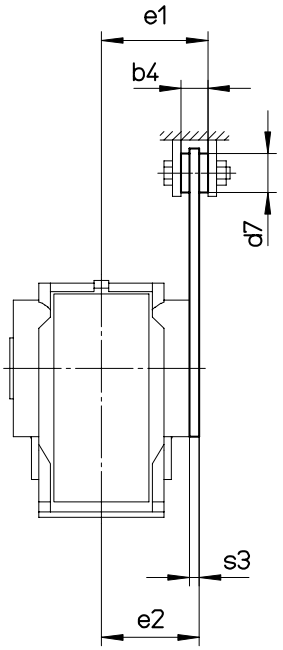




Reduktor	d14	d15	d16	m14	m15	m16	l15	l16
K3	30	45	85	176	30	32	75	113
K3	35	45	85	176	30	32	75	113
K4	40	55	96	202	40	42	87.5	127
K5	50	70	116	242	50	52	105	150
K6	60	85	148	274	60	62	120	172
K7	70	100	184	343	70	72	150	210
K8	90	120	225	402	90	92	175	247

Motoreduktory Walcowo - Stożkowe K
Drążek reakcyjny T1





Reduktor	a1	b4	d6	d7	e1	e2	s3	r1	r2
K3	160	22	11	32	87	80	8	20	56
K4	200	22	11	32	99	92	8	20	61
K5	250	32	17	40	121	109	8	28	75
K6	300	66	16	32	155.5	130	15	28	89
K7	350	96	24	42	202	164	20	36	107
K8	450	96	24	42	229.5	194	25	36	130

Motoreduktory Walcowo - Stożkowe K

i	n2 [1/min] n1=1400	T2max [Nm]	P1max [kW]	-W	Przyłącze silnikowe -M IEC	Przyłącze silnikowe -M NEMA	Przyłącze silnikowe -M S
K33G13							
8059.3	0.17	400	<0.05	W1	63 71	56	70
6832.3	0.20	400	<0.05	W1	63 71	56	70
5863.6	0.24	400	<0.05	W1	63 71	56	70
5079.4	0.28	400	<0.05	W1	63 71	56	70
4431.6	0.32	400	<0.05	W1	63 71	56	70
3887.4	0.36	400	<0.05	W1	63 71	56	70
3423.9	0.41	400	<0.05	W1	63 71	56	70
3010.7	0.47	400	<0.05	W1	63 71	56	70
2583.9	0.54	400	<0.05	W1	63 71	56	70
2238.3	0.63	400	<0.05	W1	63 71	56	70
1952.8	0.72	400	<0.05	W1	63 71	56	70
K33G12							
1738.3	0.81	400	<0.05	W1	63 71	56	70
1485.1	0.94	400	<0.05	W1	63 71	56	70
1285.2	1.1	400	<0.05	W1	63 71	56	70
1123.4	1.2	400	0.05	W1	63 71	56	70
989.70	1.4	400	0.06	W1	63 71	56	70
877.42	1.6	400	0.07	W1	63 71	56	70
781.77	1.8	400	0.07	W1	63 71	56	70
701.79	2.0	400	0.08	W1	63 71	56	70
612.54	2.3	400	0.10	W1	63 71	56	70
536.51	2.6	400	0.11	W1	63 71	56	70
493.12	2.8	400	0.12	W1	63 71	56	70
434.44	3.2	400	0.13	W1	63 71	56	70
385.15	3.6	400	0.15	W1	63 71	56	70
343.16	4.1	400	0.17	W1	63 71	56	70
308.06	4.5	400	0.19	W1	63 71 80	56 140	70 90
268.88	5.2	400	0.22	W1	63 71 80	56 140	70 90
235.51	5.9	400	0.25	W1	63 71 80	56 140	70 90
210.10	6.7	400	0.28	W1	63 71 80	56 140	70 90
188.46	7.4	400	0.31	W1	63 71 80	56 140	70 90
171.28	8.2	400	0.34	W1	63 71 80	56 140	70 90
151.01	9.3	400	0.39	W1	63 71 80 90	56 140	70 90 110
133.74	10	400	0.44	W1	63 71 80 90	56 140	70 90 110
119.69	12	400	0.49	W1	63 71 80 90	56 140	70 90 110
104.17	13	400	0.56	W1	63 71 80 90	56 140	70 90 110

Motoreduktory Walcowo - Stożkowe K

i	n2 [1/min] n1=1400	T2max [Nm]	P1max [kW]	-W	Przyłącze silnikowe -M IEC	Przyłącze silnikowe -M NEMA	Przyłącze silnikowe -M S
K33							
120.13	12	400	0.49	W1	63 71	56	70
103.13	14	400	0.57	W1	63 71	56	70
89.71	16	400	0.65	W2	63 71 80	56 140	70 90
78.85	18	400	0.74	W2	63 71 80 90	56 140	70 90 110
69.88	20	400	0.84	W2	63 71 80 90 100	56 140 180	70 90 110 140
62.34	22	400	0.94	W2	63 71 80 90 100	56 140 180	70 90 110 140
55.92	25	400	1.05	W2	63 71 80 90 100	56 140 180	70 90 110 140
50.82	28	400	1.15	W2	63 71 80 90 100	56 140 180	70 90 110 140
44.80	31	400	1.31	W2	63 71 80 90 100	56 140 180	70 90 110 140
39.68	35	400	1.47	W2	63 71 80 90 100	56 140 180	70 90 110 140
35.51	39	400	1.65	W2	80 90 100 112	140 180	90 110 140
30.91	45	400	1.89	W3	80 90 100 112	140 180	90 110 140
27.26	51	400	2.15	W2	63 71 80 90	56 140	70 90 110
24.15	58	400	2.42	W3	63 71 80 90 100	56 140 180	70 90 110 140
21.55	65	400	2.71	W3	63 71 80 90 100 112	56 140 180	70 90 110 140
19.33	72	400	3.03	W3	63 71 80 90 100 112	56 140 180	70 90 110 140
17.57	80	400	3.33	W3	63 71 80 90 100 112	56 140 180	70 90 110 140
15.49	90	400	3.78	W3	63 71 80 90 100 112	56 140 180	70 90 110 140
13.72	102	400	4.00	W3	63 71 80 90 100 112	56 140 180	70 90 110 140
12.27	114	400	4.00	W3	80 90 100 112	140 180	90 110 140
10.68	131	400	4.00	W3	80 90 100 112	140 180	90 110 140
9.30	151	240	3.80	W3	63 71 80 90 100 112	56 140 180	70 90 110 140
8.45	166	300	4.00	W3	63 71 80 90 100 112	56 140 180	70 90 110 140
7.45	188	285	4.00	W3	63 71 80 90 100 112	56 140 180	70 90 110 140
6.60	212	270	4.00	W3	63 71 80 90 100 112	56 140 180	70 90 110 140
5.91	237	260	4.00	W3	80 90 100 112	140 180	90 110 140
5.14	272	250	4.00	W3	80 90 100 112	140 180	90 110 140

Motoreduktory Walcowo - Stożkowe K

i	n2 [1/min] n1=1400	T2max [Nm]	P1max [kW]	-W	Przyłącze silnikowe -M IEC	Przyłącze silnikowe -M NEMA	Przyłącze silnikowe -M S
K43G13							
10485	0.13	745	<0.05	W1	63 71	56	70
8888.4	0.16	745	<0.05	W1	63 71	56	70
7628.2	0.18	745	<0.05	W1	63 71	56	70
6608.0	0.21	745	<0.05	W1	63 71	56	70
5765.3	0.24	745	<0.05	W1	63 71	56	70
5057.3	0.28	745	<0.05	W1	63 71	56	70
4454.3	0.31	745	<0.05	W1	63 71	56	70
3916.8	0.36	745	<0.05	W1	63 71	56	70
3361.5	0.42	745	<0.05	W1	63 71	56	70
2911.9	0.48	745	<0.05	W1	63 71	56	70
2540.6	0.55	745	<0.05	W1	63 71	56	70
K43G12							
2261.4	0.62	745	<0.05	W1	63 71	56	70
1932.0	0.72	745	0.06	W1	63 71	56	70
1672.0	0.84	745	0.07	W1	63 71	56	70
1461.5	0.96	745	0.07	W1	63 71	56	70
1287.6	1.1	745	0.08	W1	63 71	56	70
1141.5	1.2	745	0.10	W1	63 71	56	70
1017.0	1.4	745	0.11	W1	63 71	56	70
912.99	1.5	745	0.12	W1	63 71	56	70
796.88	1.8	745	0.14	W1	63 71	56	70
697.97	2.0	745	0.16	W1	63 71	56	70
641.52	2.2	745	0.17	W1	63 71	56	70
565.19	2.5	745	0.19	W1	63 71 80	56 140	70 90
501.06	2.8	745	0.22	W1	63 71 80	56 140	70 90
446.44	3.1	745	0.24	W1	63 71 80	56 140	70 90
400.77	3.5	745	0.27	W1	63 71 80	56 140	70 90
349.80	4.0	745	0.31	W1	63 71 80	56 140	70 90
306.38	4.6	745	0.36	W1	63 71 80	56 140	70 90
275.54	5.1	745	0.40	W1	63 71 80 90	56 140	70 90 110
249.26	5.6	745	0.44	W1	63 71 80 90	56 140	70 90 110
227.20	6.2	745	0.48	W1	63 71 80 90	56 140	70 90 110
202.69	6.9	745	0.54	W1	63 71 80 90	56 140	70 90 110
181.81	7.7	745	0.60	W2	63 71 80 90	56 140	70 90 110
164.95	8.5	745	0.66	W2	63 71 80 90	56 140	70 90 110
146.17	9.6	695	0.70	W2	63 71 80 90	56 140	70 90 110
128.66	11	610	0.70	W2	63 71 80 90	56 140	70 90 110

i	n2 [1/min] n1=1400	T2max [Nm]	P1max [kW]	-W	Przyłącze silnikowe -M IEC	Przyłącze silnikowe -M NEMA	Przyłącze silnikowe -M S
K43							
151.92	9.2	745	0.72	W1	63 71	56	70
131.28	11	745	0.83	W1	63 71	56	70
114.99	12	745	0.95	W2	63 71 80	56 140	70 90
101.80	14	745	1.07	W2	63 71 80 90	56 140	70 90 110
90.90	15	745	1.20	W2	63 71 80 90 100	56 140 180	70 90 110 140
81.75	17	745	1.33	W2	63 71 80 90 100	56 140 180	70 90 110 140
73.96	19	745	1.47	W2	63 71 80 90 100	56 140 180	70 90 110 140
67.41	21	745	1.62	W2	63 71 80 90 100 112	56 140 180	70 90 110 140
60.14	23	745	1.81	W3	63 71 80 90 100 112	56 140 180	70 90 110 140
53.94	26	745	2.02	W3	63 71 80 90 100 112	56 140 180	70 90 110 140
48.94	29	745	2.23	W3	80 90 100 112	140 180	90 110 140
43.37	32	745	2.51	W3	80 90 100 112	140 180	90 110 140
38.17	37	745	2.85	W3	80 90 100 112	140 180	90 110 140
33.43	42	745	3.26	W3	80 90 100 112 132	140 180 210	90 110 140 190
29.37	48	745	3.71	W3	100 112 132	180 210	140 190
25.56	55	745	4.26	W3	63 71 80 90 100 112	56 140 180	70 90 110 140
23.30	60	745	4.67	W3	63 71 80 90 100 112	56 140 180	70 90 110 140
20.79	67	735	5.2	W4	63 71 80 90 100 112 132	56 140 180 210	70 90 110 140 190
18.65	75	710	5.6	W4	63 71 80 90 100 112 132	56 140 180 210	70 90 110 140 190
16.92	83	690	6.0	W4	80 90 100 112 132	140 180 210	90 110 140 190
14.99	93	665	6.5	W4	80 90 100 112 132	140 180 210	90 110 140 190
13.20	106	640	7.1	W4	80 90 100 112 132	140 180 210	90 110 140 190
11.56	121	615	7.5	W4	80 90 100 112 132	140 180 210	90 110 140 190
10.15	138	590	7.5	W4	100 112 132	180 210	140 190
8.60	163	465	7.5	W4	80 90 100 112 132	140 180 210	90 110 140 190
7.62	184	450	7.5	W4	80 90 100 112 132	140 180 210	90 110 140 190
6.71	209	435	7.5	W4	80 90 100 112 132	140 180 210	90 110 140 190
5.87	238	415	7.5	W4	80 90 100 112 132	140 180 210	90 110 140 190
5.16	271	400	7.5	W4	100 112 132	180 210	140 190

Motoreduktory Walcowo - Stożkowe K

i	n2 [1/min] n1=1400	T2max [Nm]	P1max [kW]	-W	Przyłącze silnikowe -M IEC	Przyłącze silnikowe -M NEMA	Przyłącze silnikowe -M S
K53G23							
11426	0.12	1430	<0.05	W1	63 71	56	70
9761.9	0.14	1430	<0.05	W1	63 71	56	70
8447.9	0.17	1430	<0.05	W1	63 71	56	70
7384.3	0.19	1430	<0.05	W1	63 71	56	70
6505.6	0.22	1430	<0.05	W1	63 71	56	70
5767.5	0.24	1430	<0.05	W1	63 71	56	70
5175.3	0.27	1430	<0.05	W1	63 71	56	70
4523.7	0.31	1430	<0.05	W1	63 71	56	70
3985.4	0.35	1430	0.05	W1	63 71	56	70
3533.2	0.40	1430	0.06	W1	63 71	56	70
3093.4	0.45	1430	0.07	W1	63 71	56	70
2725.3	0.51	1430	0.08	W1	63 71	56	70
2416.1	0.58	1430	0.09	W1	63 71	56	70
K53G22							
2176.4	0.64	1430	0.10	W1	63 71	56	70
1868.5	0.75	1430	0.11	W1	63 71	56	70
1625.3	0.86	1430	0.13	W1	63 71	56	70
1428.5	0.98	1430	0.15	W1	63 71	56	70
1266.0	1.1	1430	0.17	W1	63 71	56	70
1129.4	1.2	1430	0.19	W1	63 71 80	56 140	70 90
1013.0	1.4	1430	0.21	W1	63 71 80	56 140	70 90
920.69	1.5	1430	0.23	W1	63 71 80	56 140	70 90
811.74	1.7	1430	0.26	W1	63 71 80	56 140	70 90
718.94	1.9	1430	0.29	W1	63 71 80	56 140	70 90
648.83	2.2	1430	0.32	W1	63 71 80	56 140	70 90
597.22	2.3	1430	0.35	W1	63 71 80	56 140	70 90
524.36	2.7	1430	0.40	W1	63 71 80 90	56 140	70 90 110
470.34	3.0	1430	0.45	W1	63 71 80 90	56 140	70 90 110
427.46	3.3	1430	0.49	W1	63 71 80 90	56 140	70 90 110
376.88	3.7	1430	0.56	W1	63 71 80 90	56 140	70 90 110
333.79	4.2	1430	0.63	W2	63 71 80 90	56 140	70 90 110
301.24	4.6	1430	0.69	W2	63 71 80 90	56 140	70 90 110
277.28	5.0	1430	0.75	W2	63 71 80 90 100	56 140 180	70 90 110 140
259.97	5.4	1430	0.81	W2	80 90 100	140 180	90 110 140
247.82	5.6	1430	0.84	W2	63 71 80 90 100	56 140 180	70 90 110 140
234.62	6.0	1430	0.89	W2	80 90 100	140 180	90 110 140
220.06	6.4	1430	0.95	W2	63 71 80 90 100	56 140 180	70 90 110 140
215.96	6.5	1430	0.97	W2	80 90 100	140 180	90 110 140
195.01	7.2	1430	1.07	W2	63 71 80 90 100	56 140 180	70 90 110 140
193.02	7.3	1430	1.08	W2	80 90 100	140 180	90 110 140
173.54	8.1	1430	1.21	W2	63 71 80 90 100	56 140 180	70 90 110 140
171.40	8.2	1430	1.22	W2	80 90 100	140 180	90 110 140
151.88	9.2	1430	1.38	W2	80 90 100	140 180	90 110 140
148.66	9.4	1330	1.31	W2	63 71 80 90 100	56 140 180	70 90 110 140
135.16	10	1430	1.55	W2	80 90 100 112	140 180	90 110 140

i	n2 [1/min] n1=1400	T2max [Nm]	P1max [kW]	-W	Przyłącze silnikowe -M IEC	Przyłącze silnikowe -M NEMA	Przyłącze silnikowe -M S
K53							
138.94	10	1430	1.51	W2	63 71 80	56 140	70 90
123.46	11	1430	1.70	W2	63 71 80 90	56 140	70 90 110
110.68	13	1430	1.89	W3	63 71 80 90 100	56 140 180	70 90 110 140
99.94	14	1430	2.09	W3	63 71 80 90 100 112	56 140 180	70 90 110 140
90.79	15	1430	2.31	W3	63 71 80 90 100 112	56 140 180	70 90 110 140
83.01	17	1430	2.52	W3	63 71 80 90 100 112	56 140 180	70 90 110 140
74.48	19	1430	2.81	W3	63 71 80 90 100 112	56 140 180	70 90 110 140
67.22	21	1430	3.11	W3	63 71 80 90 100 112 132	56 140 180 210	70 90 110 140 190
61.87	23	1430	3.38	W3	80 90 100 112 132	140 180 210	90 110 140 190
55.30	25	1430	3.79	W3	80 90 100 112 132	140 180 210	90 110 140 190
49.10	29	1430	4.26	W3	80 90 100 112 132	140 180 210	90 110 140 190
43.51	32	1430	4.81	W4	80 90 100 112 132	140 180 210	90 110 140 190
38.72	36	1430	5.4	W4	100 112 132	180 210	140 190
33.17	42	1430	6.3	W4	132	210	190
29.56	47	1430	7.1	W4	63 71 80 90 100 112 132	56 140 180 210	70 90 110 140 190
26.68	52	1430	7.8	W4	63 71 80 90 100 112 132	56 140 180 210	70 90 110 140 190
24.56	57	1430	8.5	W4	80 90 100 112 132	140 180 210	90 110 140 190
21.95	64	1430	9.5	W4	80 90 100 112 132	140 180 210	90 110 140 190
19.49	72	1430	10.7	W4	80 90 100 112 132	140 180 210	90 110 140 190
17.27	81	1430	12.1	W4	80 90 100 112 132	140 180 210	90 110 140 190
15.37	91	1430	13.6	W4	100 112 132	180 210	140 190
13.17	106	1420	15.0	W4	132	210	190
11.61	121	1340	15.0	W4	132	210	190
10.75	130	860	11.7	W4	80 90 100 112 132	140 180 210	90 110 140 190
9.55	147	820	12.6	W4	80 90 100 112 132	140 180 210	90 110 140 190
8.46	165	780	13.5	W4	80 90 100 112 132	140 180 210	90 110 140 190
7.53	186	740	14.4	W4	100 112 132	180 210	140 190
6.45	217	695	15.0	W4	132	210	190
5.69	246	655	15.0	W4	132	210	190

Motoreduktory Walcowo - Stożkowe K

i	n2 [1/min] n1=1400	T2max [Nm]	P1max [kW]	-W	Przyłącze silnikowe -M IEC	Przyłącze silnikowe -M NEMA	Przyłącze silnikowe -M S
K63G23							
13818	0.10	2550	<0.05	W1	63 71	56	70
11805	0.12	2550	<0.05	W1	63 71	56	70
10216	0.14	2550	<0.05	W1	63 71	56	70
8930.1	0.16	2550	<0.05	W1	63 71	56	70
7867.5	0.18	2550	<0.05	W1	63 71	56	70
6974.9	0.20	2550	0.05	W1	63 71	56	70
6258.7	0.22	2550	0.06	W1	63 71	56	70
5470.7	0.26	2550	0.07	W1	63 71	56	70
4819.7	0.29	2550	0.08	W1	63 71	56	70
4272.9	0.33	2550	0.09	W1	63 71	56	70
3741.0	0.37	2550	0.10	W1	63 71	56	70
3295.8	0.42	2550	0.11	W1	63 71	56	70
2921.9	0.48	2550	0.13	W1	63 71	56	70
K63G22							
2632.0	0.53	2550	0.14	W1	63 71	56	70
2259.6	0.62	2550	0.17	W1	63 71	56	70
1965.6	0.71	2550	0.19	W1	63 71 80	56 140	70 90
1727.6	0.81	2550	0.22	W1	63 71 80	56 140	70 90
1531.0	0.91	2550	0.24	W1	63 71 80	56 140	70 90
1365.8	1.0	2550	0.27	W1	63 71 80	56 140	70 90
1225.1	1.1	2550	0.31	W1	63 71 80	56 140	70 90
1113.4	1.3	2550	0.34	W1	63 71 80	56 140	70 90
981.68	1.4	2550	0.38	W1	63 71 80 90	56 140	70 90 110
869.44	1.6	2550	0.43	W1	63 71 80 90	56 140	70 90 110
803.80	1.7	2550	0.47	W1	63 71 80 90	56 140	70 90 110
724.09	1.9	2550	0.52	W1	63 71 80 90	56 140	70 90 110
634.13	2.2	2550	0.59	W2	63 71 80 90	56 140	70 90 110
568.80	2.5	2550	0.66	W2	63 71 80 90	56 140	70 90 110
516.95	2.7	2550	0.72	W2	63 71 80 90	56 140	70 90 110
455.78	3.1	2550	0.82	W2	63 71 80 90 100	56 140 180	70 90 110 140
403.67	3.5	2550	0.93	W2	63 71 80 90 100	56 140 180	70 90 110 140
373.19	3.8	2550	1.00	W2	63 71 80 90 100	56 140 180	70 90 110 140
361.24	3.9	2550	1.04	W2	80 90 100	140 180	90 110 140
336.18	4.2	2550	1.11	W2	63 71 80 90 100	56 140 180	70 90 110 140
314.40	4.5	2550	1.19	W2	80 90 100	140 180	90 110 140
301.25	4.6	2550	1.24	W2	63 71 80 90 100	56 140 180	70 90 110 140
269.78	5.2	2410	1.31	W2	63 71 80 90 100	56 140 180	70 90 110 140
261.84	5.3	2550	1.43	W2	80 90 100	140 180	90 110 140
242.80	5.8	2170	1.31	W2	63 71 80 90 100	56 140 180	70 90 110 140
234.63	6.0	2550	1.59	W2	80 90 100 112	140 180	90 110 140
211.83	6.6	1890	1.31	W2	63 71 80 90 100	56 140 180	70 90 110 140
210.12	6.7	2410	1.68	W2	80 90 100 112	140 180	90 110 140
189.77	7.4	1690	1.31	W2	63 71 80 90 100	56 140 180	70 90 110 140
189.10	7.4	2170	1.68	W2	80 90 100 112	140 180	90 110 140

Motoreduktory Walcowo - Stożkowe K

i	n2 [1/min] n1=1400	T2max [Nm]	P1max [kW]	-W	Przyłącze silnikowe -M IEC	Przyłącze silnikowe -M NEMA	Przyłącze silnikowe -M S
K63							
160.53	8.7	2550	2.33	W2	80 90	140	90 110
144.48	9.7	2550	2.59	W3	80 90 100	140 180	90 110 140
130.99	11	2550	2.86	W3	80 90 100 112	140 180	90 110 140
119.50	12	2550	3.13	W3	80 90 100 112	140 180	90 110 140
109.93	13	2550	3.40	W3	80 90 100 112	140 180	90 110 140
99.21	14	2550	3.77	W3	80 90 100 112 132	140 180 210	90 110 140 190
90.07	16	2550	4.15	W3	80 90 100 112 132	140 180 210	90 110 140 190
83.27	17	2550	4.49	W4	80 90 100 112 132	140 180 210	90 110 140 190
75.02	19	2550	4.99	W4	80 90 100 112 132 160	140 180 210 250	90 110 140 190
67.22	21	2550	5.6	W4	80 90 100 112 132 160	140 180 210 250	90 110 140 190
60.20	23	2550	6.2	W4	80 90 100 112 132 160	140 180 210 250	90 110 140 190
54.18	26	2550	6.9	W4	100 112 132 160	180 210 250	140 190
47.27	30	2550	7.9	W4	132 160 180	210 250 280	190
42.35	33	2550	8.8	W5	132 160 180	210 250 280	190
37.56	37	2550	10.0	W5	132 160 180	210 250 280	190
33.00	42	2550	11.3	W5	132 160 180	210 250 280	190
29.77	47	2550	12.6	W5	80 90 100 112 132 160	140 180 210 250	90 110 140 190
26.68	52	2550	14.0	W5	80 90 100 112 132 160	140 180 210 250	90 110 140 190
23.89	59	2550	15.7	W5	80 90 100 112 132 160 180	140 180 210 250 280	90 110 140 190
21.50	65	2550	17.4	W5	100 112 132 160 180	180 210 250 280	140 190
18.76	75	2490	19.5	W5	132 160 180	210 250 280	190
16.81	83	2380	20.8	W5	132 160 180	210 250 280	190
14.91	94	2260	22.0	W5	132 160 180	210 250 280	190
13.10	107	2140	22.0	W5	132 160 180	210 250 280	190
11.58	121	1700	21.5	W5	80 90 100 112 132 160 180	140 180 210 250 280	90 110 140 190
10.43	134	1670	22.0	W5	100 112 132 160 180	180 210 250 280	140 190
9.10	154	1700	22.0	W5	132 160 180	210 250 280	190
8.15	172	1700	22.0	W5	132 160 180	210 250 280	190
7.23	194	1700	22.0	W5	132 160 180	210 250 280	190
6.35	220	1700	22.0	W5	132 160 180	210 250 280	190

Motoreduktory Walcowo - Stożkowe K

i	n2 [1/min] n1=1400	T2max [Nm]	P1max [kW]	-W	Przyłącze silnikowe -M IEC	Przyłącze silnikowe -M NEMA	Przyłącze silnikowe -M S
K73G33							
14283	0.098	4330	<0.05	W1	63 71	56	70
12262	0.11	4330	0.05	W1	63 71	56	70
10667	0.13	4330	0.06	W1	63 71	56	70
9375.1	0.15	4330	0.07	W1	63 71	56	70
8308.2	0.17	4330	0.08	W1	63 71	56	70
7411.9	0.19	4330	0.09	W1	63 71	56	70
6648.4	0.21	4330	0.10	W1	63 71	56	70
6042.3	0.23	4330	0.11	W1	63 71	56	70
5327.3	0.26	4330	0.12	W1	63 71	56	70
4718.2	0.30	4330	0.13	W1	63 71	56	70
4280.5	0.33	4330	0.15	W1	63 71	56	70
3674.8	0.38	4330	0.17	W2			
3293.4	0.43	4330	0.19	W1	63 71 80	56 140	70 90
2954.1	0.47	4330	0.21	W1	63 71 80	56 140	70 90
2684.8	0.52	4330	0.24	W1	63 71 80	56 140	70 90
2367.1	0.59	4330	0.27	W1	63 71 80	56 140	70 90
K73G32							
2068.0	0.68	4330	0.31	W1	63 71 80	56 140	70 90
1846.7	0.76	4330	0.34	W1	63 71 80	56 140	70 90
1660.8	0.84	4330	0.38	W1	63 71 80 90	56 140	70 90 110
1502.4	0.93	4330	0.42	W1	63 71 80 90	56 140	70 90 110
1369.5	1.0	4330	0.46	W1	63 71 80 90	56 140	70 90 110
1221.7	1.1	4330	0.52	W1	63 71 80 90	56 140	70 90 110
1095.9	1.3	4330	0.58	W1	63 71 80 90	56 140	70 90 110
994.22	1.4	4330	0.64	W2	63 71 80 90	56 140	70 90 110
861.22	1.6	4330	0.74	W2	63 71 80 90	56 140	70 90 110
779.24	1.8	4330	0.81	W2	63 71 80 90 100	56 140 180	70 90 110 140
707.41	2.0	4330	0.90	W2	63 71 80 90 100	56 140 180	70 90 110 140
679.15	2.1	4330	0.93	W2	80 90 100	140 180	90 110 140
630.75	2.2	4330	1.01	W2	63 71 80 90 100	56 140 180	70 90 110 140
616.14	2.3	4330	1.03	W2	80 90 100	140 180	90 110 140
596.55	2.3	4330	1.06	W3	100	180	140
533.72	2.6	4330	1.19	W2	80 90 100	140 180	90 110 140
527.31	2.7	4330	1.20	W2	63 71 80 90 100	56 140 180	70 90 110 140
478.40	2.9	4330	1.33	W2	80 90 100	140 180	90 110 140
478.39	2.9	4330	1.33	W2	63 71 80 90 100	56 140 180	70 90 110 140
423.94	3.3	4330	1.50	W2	80 90 100	140 180	90 110 140
414.39	3.4	4330	1.53	W2	63 71 80 90 100 112	56 140 180	70 90 110 140
374.95	3.7	4330	1.69	W2	63 71 80 90 100 112	56 140 180	70 90 110 140
373.15	3.8	4330	1.70	W2	80 90 100 112	140 180	90 110 140
340.39	4.1	4330	1.86	W3	63 71 80 90 100 112	56 140 180	70 90 110 140
326.79	4.3	4330	1.94	W3	80 90 100 112	140 180	90 110 140
303.50	4.6	4330	2.09	W3	63 71 80 90 100 112	56 140 180	70 90 110 140
296.47	4.7	4330	2.14	W3	80 90 100 112	140 180	90 110 140

Motoreduktory Walcowo - Stożkowe K

i	n2 [1/min] n1=1400	T2max [Nm]	P1max [kW]	-W	Przyłącze silnikowe -M IEC	Przyłącze silnikowe -M NEMA	Przyłącze silnikowe -M S
K73G32							
256.81	5.5	4330	2.47	W3	80 90 100 112	140 180	90 110 140
232.36	6.0	4330	2.73	W3	80 90 100 112	140 180	90 110 140
210.95	6.6	4330	3.01	W3	80 90 100 112 132	140 180 210	90 110 140 190
188.09	7.4	4330	3.37	W3	80 90 100 112 132	140 180 210	90 110 140 190
K73							
183.21	7.6	4330	3.46	W3	100	180	140
166.63	8.4	4330	3.81	W3	100 112	180	140
152.50	9.2	4330	4.16	W3	100 112	180	140
141.34	9.9	4330	4.49	W3	100 112	180	140
128.10	11	4330	4.95	W4	100 112 132	180 210	140 190
116.83	12	4330	5.4	W4	100 112 132	180 210	140 190
108.36	13	4330	5.9	W4	100 112 132	180 210	140 190
98.17	14	4330	6.5	W4	100 112 132 160	180 210 250	140 190
89.29	16	4330	7.1	W4	100 112 132 160	180 210 250	140 190
80.57	17	4330	7.9	W4	100 112 132 160 180	180 210 250 280	140 190
73.10	19	4330	8.7	W4	100 112 132 160 180	180 210 250 280	140 190
63.32	22	4330	10.0	W5	132 160 180	210 250 280	190
57.29	24	4330	11.1	W5	132 160 180	210 250 280	190
52.01	27	4330	12.2	W5	132 160 180	210 250 280	190
46.38	30	4330	13.7	W5	132 160 180	210 250 280	190
43.99	32	4330	14.4	W5	100 112 132 160	180 210 250	140 190
40.01	35	4330	15.9	W5	100 112 132 160	180 210 250	140 190
36.10	39	4330	17.6	W5	100 112 132 160 180	180 210 250 280	140 190
32.75	43	4230	18.9	W5	100 112 132 160 180	180 210 250 280	140 190
28.37	49	4050	20.9	W5	132 160 180	210 250 280	190
25.67	55	3930	22.4	W5	132 160 180	210 250 280	190
23.31	60	3820	24.0	W5	132 160 180	210 250 280	190
20.78	67	3690	26.0	W5	132 160 180	210 250 280	190
17.62	79	3510	29.2	W5	132 160 180	210 250 280	190
15.04	93	3350	30.0	W5	160 180	250 280	
13.76	102	2720	29.0	W5	132 160 180	210 250 280	190
12.45	112	2640	30.0	W5	132 160 180	210 250 280	190
11.30	124	2560	30.0	W5	132 160 180	210 250 280	190
10.08	139	2480	30.0	W5	132 160 180	210 250 280	190
8.54	164	2360	30.0	W5	132 160 180	210 250 280	190
7.29	192	2250	30.0	W5	160 180	250 280	

Motoreduktory Walcowo - Stożkowe K

i	n2 [1/min] n1=1400	T2max [Nm]	P1max [kW]	-W	Przyłącze silnikowe -M IEC	Przyłącze silnikowe -M NEMA	Przyłącze silnikowe -M S
K83G33							
16285	0.086	7960	0.07	W1	63 71	56	70
13981	0.10	7960	0.08	W1	63 71	56	70
12162	0.12	7960	0.10	W1	63 71	56	70
10689	0.13	7960	0.11	W1	63 71	56	70
9472.7	0.15	7960	0.12	W1	63 71	56	70
8450.8	0.17	7960	0.14	W1	63 71	56	70
7580.3	0.18	7960	0.15	W1	63 71	56	70
6889.3	0.20	7960	0.17	W1	63 71	56	70
6074.0	0.23	7960	0.19	W1	63 71 80	56 140	70 90
5379.6	0.26	7960	0.22	W1	63 71 80	56 140	70 90
4900.2	0.29	7960	0.24	W1	63 71 80	56 140	70 90
4189.9	0.33	7960	0.28	W2	80	140	90
3755.0	0.37	7960	0.31	W1	63 71 80	56 140	70 90
3368.2	0.42	7960	0.35	W1	63 71 80	56 140	70 90
3061.2	0.46	7960	0.38	W1	63 71 80 90	56 140	70 90 110
2698.9	0.52	7960	0.43	W1	63 71 80 90	56 140	70 90 110
K83G32							
2357.9	0.59	7960	0.49	W1	63 71 80 90	56 140	70 90 110
2105.6	0.66	7960	0.55	W1	63 71 80 90	56 140	70 90 110
1893.6	0.74	7960	0.62	W2	63 71 80 90	56 140	70 90 110
1713.0	0.82	7960	0.68	W2	63 71 80 90	56 140	70 90 110
1561.4	0.90	7960	0.75	W2	63 71 80 90	56 140	70 90 110
1393.0	1.0	7960	0.84	W2	63 71 80 90 100	56 140 180	70 90 110 140
1249.5	1.1	7960	0.93	W2	63 71 80 90 100	56 140 180	70 90 110 140
1138.2	1.2	7960	1.02	W2	63 71 80 90 100	56 140 180	70 90 110 140
1133.6	1.2	7960	1.03	W2	80 90 100	140 180	90 110 140
1004.6	1.4	7960	1.16	W2	80 90 100	140 180	90 110 140
996.96	1.4	7960	1.17	W2	63 71 80 90 100	56 140 180	70 90 110 140
906.86	1.5	7960	1.29	W2	63 71 80 90 100	56 140 180	70 90 110 140
884.22	1.6	7960	1.32	W2	80 90 100	140 180	90 110 140
816.82	1.7	7210	1.29	W2	63 71 80 90 100	56 140 180	70 90 110 140
774.35	1.8	7960	1.51	W2	80 90 100 112	140 180	90 110 140
705.34	2.0	7960	1.65	W2	80 90 100 112	140 180	90 110 140
617.84	2.3	7960	1.89	W3	80 90 100 112	140 180	90 110 140
545.46	2.6	7960	2.14	W3	80 90 100 112	140 180	90 110 140
483.36	2.9	7960	2.41	W3	80 90 100 112	140 180	90 110 140
425.46	3.3	7960	2.74	W3	80 90 100 112	140 180	90 110 140
372.59	3.8	7960	3.13	W3	80 90 100 112 132	140 180 210	90 110 140 190
339.39	4.1	7960	3.44	W3	80 90 100 112 132	140 180 210	90 110 140 190
327.28	4.3	7960	3.56	W3	100 112 132	180 210	140 190
298.11	4.7	7960	3.91	W3	100 112 132	180 210	140 190
297.29	4.7	7960	3.92	W3	80 90 100 112 132	140 180 210	90 110 140 190
270.42	5.2	7960	4.31	W3	80 90 100 112 132	140 180 210	90 110 140 190

Motoreduktory Walcowo - Stożkowe K

i	n2 [1/min] n1=1400	T2max [Nm]	P1max [kW]	-W	Przyłącze silnikowe -M IEC	Przyłącze silnikowe -M NEMA	Przyłącze silnikowe -M S
K83G32							
261.13	5.4	7960	4.47	W4	100 112 132	180 210	140 190
243.57	5.7	7210	4.34	W3	80 90 100 112 132	140 180 210	90 110 140 190
237.53	5.9	7960	4.91	W4	100 112 132	180 210	140 190
218.69	6.4	6470	4.34	W3	80 90 100 112 132	140 180 210	90 110 140 190
213.95	6.5	7210	4.94	W4	100 112 132	180 210	140 190
192.10	7.3	6470	4.94	W4	100 112 132	180 210	140 190
187.60	7.5	5550	4.34	W3	80 90 100 112 132	140 180 210	90 110 140 190
164.78	8.5	5550	4.94	W4	100 112 132	180 210	140 190
K83							
144.68	9.7	7960	8.1	W4	100 112 132	180 210	140 190
132.28	11	7960	8.8	W4	100 112 132	180 210	140 190
122.27	11	7960	9.5	W4	100 112 132	180 210	140 190
111.12	13	7960	10.5	W5	100 112 132 160	180 210 250	140 190
101.42	14	7960	11.5	W5	100 112 132 160	180 210 250	140 190
91.87	15	7960	12.7	W5	100 112 132 160 180	180 210 250 280	140 190
83.68	17	7960	13.9	W5	100 112 132 160 180	180 210 250 280	140 190
73.30	19	7960	15.9	W5	132 160 180	210 250 280	190
66.68	21	7960	17.5	W5	132 160 180	210 250 280	190
60.06	23	7960	19.4	W5	132 160 180	210 250 280	190
53.92	26	7960	21.6	W5	132 160 180	210 250 280	190
46.25	30	7960	25.2	W5	132 160 180	210 250 280	190
39.98	35	7820	28.7	W5	160 180	250 280	
34.75	40	7500	31.6	W5	160 180	250 280	
32.84	43	7020	31.3	W5	132 160 180	210 250 280	190
29.88	47	6820	33.5	W5	132 160 180	210 250 280	190
26.91	52	6610	36.0	W5	132 160 180	210 250 280	190
24.16	58	6400	38.8	W5	132 160 180	210 250 280	190
20.73	68	6110	43.2	W5	132 160 180	210 250 280	190
17.91	78	5850	45.0	W5	160 180	250 280	
15.57	90	5610	45.0	W5	160 180	250 280	
14.01	100	4540	45.0	W5	132 160 180	210 250 280	190
12.58	111	4390	45.0	W5	132 160 180	210 250 280	190
10.79	130	4190	45.0	W5	132 160 180	210 250 280	190
9.32	150	4010	45.0	W5	160 180	250 280	
8.11	173	3850	45.0	W5	160 180	250 280	

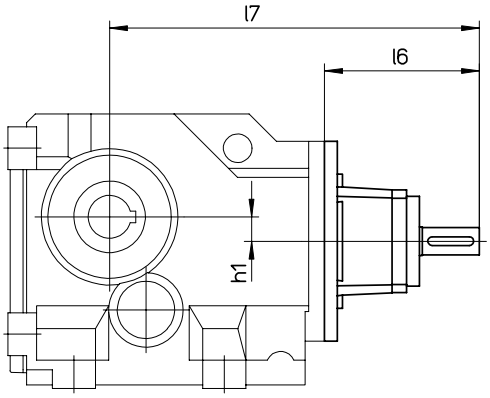


Fig. 1

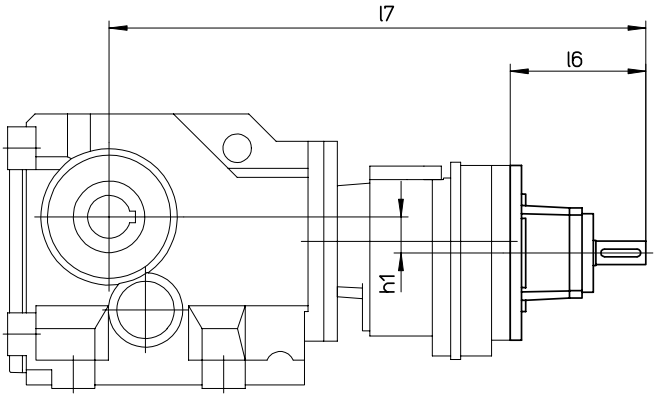


Fig. 2

Typ	Fig.	h1	l6	l7
K33 -W1	1	17	75.5	225.5
K33 -W2	1	17	108.5	258.5
K33 -W3	1	17	153.5	303.5
K33G1_ -W1	2	22	78.5	351.5
K33G1_ -W2	2	22	113.5	386.5
K43 -W1	1	18	75	251
K43 -W2	1	18	110	286
K43 -W3	1	18	154	330
K43 -W4	1	18	192.5	368.5
K43G1_ -W1	2	23	78.5	377.5
K43G1_ -W2	2	23	113.5	412.5
K53 -W1	1	24	71.5	283.5
K53 -W2	1	24	106.5	318.5
K53 -W3	1	24	149.5	361.5
K53 -W4	1	24	189	401
K53G2_ -W1	2	35	75.5	432.5
K53G2_ -W2	2	35	108.5	465.5

Typ	Fig.	h1	l6	l7
K63 -W2	1	29	101.5	101.5
K63 -W3	1	29	146	146
K63 -W4	1	29	185.5	185.5
K63 -W5	1	29	243.5	243.5
K63G2_ -W1	2	40	75.5	220.5
K63G2_ -W2	2	40	108.5	253.5
K63G2_ -W3	2	40	153.5	298.5
K73 -W3	1	31	139	139
K73 -W4	1	31	178.5	178.5
K73 -W5	1	31	237.5	237.5
K73G3_ -W1	2	42	75	249
K73G3_ -W2	2	42	110	284
K73G3_ -W3	2	42	154	328
K73G3_ -W4	2	42	192.5	366.5
K83 -W3	1	39	132	132
K83 -W4	1	39	170.5	170.5
K83 -W5	1	39	229	229
K83G3_ -W1	2	50	75	249
K83G3_ -W2	2	50	110	284
K83G3_ -W3	2	50	154	328
K83G3_ -W4	2	50	192.5	366.5

Motoreduktory Walcowo - Stożkowe K z przyłączem do silników IEC

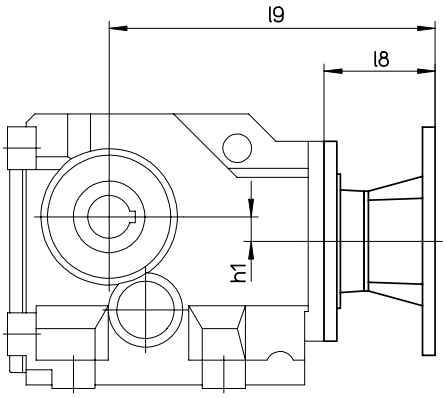


Fig. 1

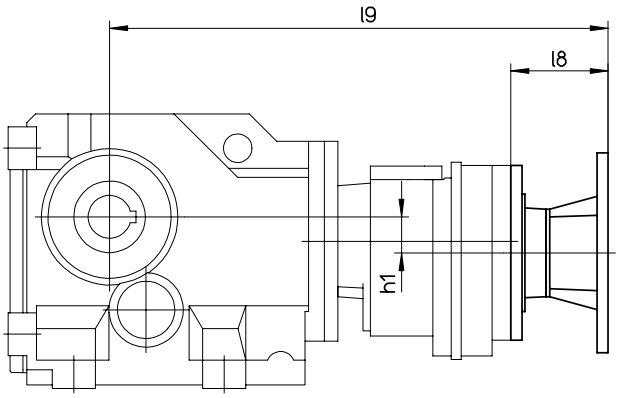


Fig. 2

Typ	Fig.	h1	l8	l9
K33 -M IEC63	1	17	71	221
K33 -M IEC71	1	17	78	228
K33 -M IEC80	1	17	113	263
K33 -M IEC90	1	17	123	273
K33 -M IEC100	1	17	156.5	306.5
K33 -M IEC112	1	17	156.5	306.5
K33G1_ -M IEC63	2	22	74	347
K33G1_ -M IEC71	2	22	81	354
K33G1_ -M IEC80	2	22	118	391
K33G1_ -M IEC90	2	22	128	401
K43 -M IEC63	1	18	70.5	246.5
K43 -M IEC71	1	18	77.5	253.5
K43 -M IEC80	1	18	114.5	290.5
K43 -M IEC90	1	18	124.5	300.5
K43 -M IEC100	1	18	157	333
K43 -M IEC112	1	18	157	333
K43 -M IEC132	1	18	196	372
K43G1_ -M IEC63	2	23	74	373
K43G1_ -M IEC71	2	23	81	380
K43G1_ -M IEC80	2	23	118	417
K43G1_ -M IEC90	2	23	128	427

Typ	Fig.	h1	l8	l9
K53 -M IEC63	1	24	67	279
K53 -M IEC71	1	24	74	286
K53 -M IEC80	1	24	111	323
K53 -M IEC90	1	24	121	333
K53 -M IEC100	1	24	152.5	364.5
K53 -M IEC112	1	24	152.5	364.5
K53 -M IEC132	1	24	192.5	404.5
K53G2_ -M IEC63	2	35	71	428
K53G2_ -M IEC71	2	35	78	435
K53G2_ -M IEC80	2	35	113	470
K53G2_ -M IEC90	2	35	123	480
K53G2_ -M IEC100	2	35	156.5	513.5
K53G2_ -M IEC112	2	35	156.5	513.5

Motoreduktory Walcowo - Stożkowe K z przyłączem do silników IEC

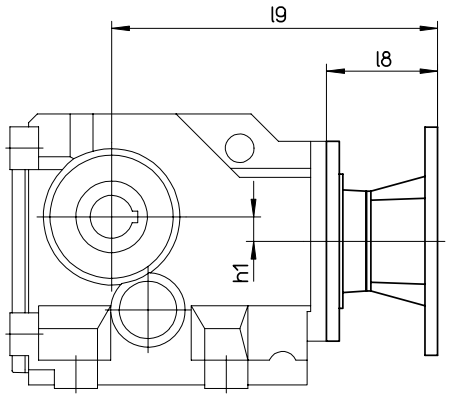


Fig. 1

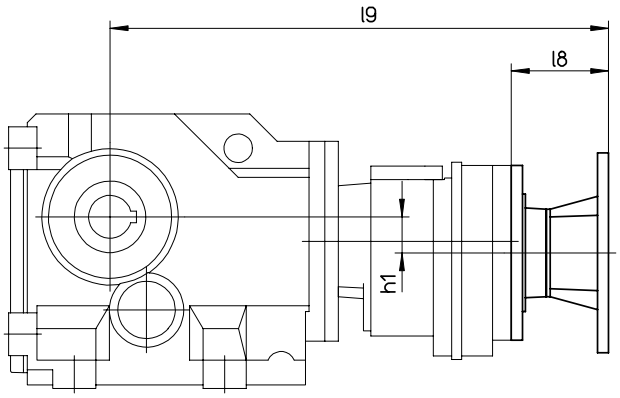


Fig. 2

Typ	Fig.	h1	l8	l9
K63 -M IEC80	1	29	106	106
K63 -M IEC90	1	29	116	116
K63 -M IEC100	1	29	149	149
K63 -M IEC112	1	29	149	149
K63 -M IEC132	1	29	189	189
K63 -M IEC160	1	29	249	249
K63 -M IEC180	1	29	249	249
K63G2_ -M IEC63	2	40	71	216
K63G2_ -M IEC71	2	40	78	223
K63G2_ -M IEC80	2	40	113	258
K63G2_ -M IEC90	2	40	123	268
K63G2_ -M IEC100	2	40	156.5	301.5
K63G2_ -M IEC112	2	40	156.5	301.5
K73 -M IEC100	1	31	142	142
K73 -M IEC112	1	31	142	142
K73 -M IEC132	1	31	182	182
K73 -M IEC160	1	31	243	243
K73 -M IEC180	1	31	243	243
K73G3_ -M IEC63	2	42	70.5	244.5
K73G3_ -M IEC71	2	42	77.5	251.5
K73G3_ -M IEC80	2	42	114.5	288.5
K73G3_ -M IEC90	2	42	124.5	298.5
K73G3_ -M IEC100	2	42	157	331
K73G3_ -M IEC112	2	42	157	331
K73G3_ -M IEC132	2	42	196	370

Typ	Fig.	h1	l8	l9
K83 -M IEC100	1	39	135	135
K83 -M IEC112	1	39	135	135
K83 -M IEC132	1	39	174	174
K83 -M IEC160	1	39	234.5	234.5
K83 -M IEC180	1	39	234.5	234.5
K83G3_ -M IEC63	2	50	70.5	244.5
K83G3_ -M IEC71	2	50	77.5	251.5
K83G3_ -M IEC80	2	50	114.5	288.5
K83G3_ -M IEC90	2	50	124.5	298.5
K83G3_ -M IEC100	2	50	157	331
K83G3_ -M IEC112	2	50	157	331
K83G3_ -M IEC132	2	50	196	370

Motoreduktory Walcowo - Stożkowe K z przyłączem do silników NEMA

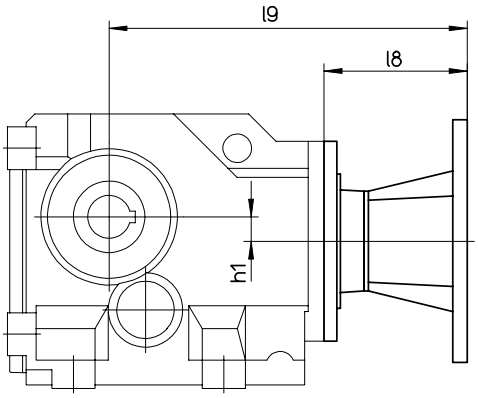


Fig. 1

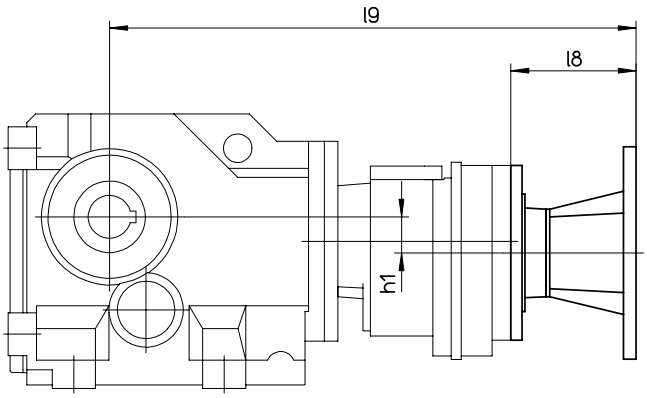


Fig. 2

Typ	Fig.	h1	l8	l9
K33 -M NEMA56	1	17	100	250
K33 -M NEMA140	1	17	127	277
K33 -M NEMA180	1	17	163	313
K33G1_ -M NEMA56	2	22	103	376
K33G1_ -M NEMA140	2	22	132	405
K43 -M NEMA56	1	18	99.5	275.5
K43 -M NEMA140	1	18	128.5	304.5
K43 -M NEMA180	1	18	163.5	339.5
K43 -M NEMA210	1	18	195.5	371.5
K43G1_ -M NEMA56	2	23	103	402
K43G1_ -M NEMA140	2	23	132	431
K53 -M NEMA56	1	24	96	308
K53 -M NEMA140	1	24	125	337
K53 -M NEMA180	1	24	159	371
K53 -M NEMA210	1	24	192	404
K53G2_ -M NEMA56	2	35	100	457
K53G2_ -M NEMA140	2	35	127	484
K53G2_ -M NEMA180	2	35	163	520

Typ	Fig.	h1	l8	l9
K63 -M NEMA140	1	29	120	120
K63 -M NEMA180	1	29	155.5	155.5
K63 -M NEMA210	1	29	188.5	188.5
K63 -M NEMA250	1	29	234.5	234.5
K63 -M NEMA280	1	29	250.5	250.5
K63G2_ -M NEMA56	2	40	100	245
K63G2_ -M NEMA140	2	40	127	272
K63G2_ -M NEMA180	2	40	163	308
K73 -M NEMA180	1	31	148.5	148.5
K73 -M NEMA210	1	31	181.5	181.5
K73 -M NEMA250	1	31	228.5	228.5
K73 -M NEMA280	1	31	244.5	244.5
K73G3_ -M NEMA56	2	42	99.5	273.5
K73G3_ -M NEMA140	2	42	128.5	302.5
K73G3_ -M NEMA180	2	42	163.5	337.5
K73G3_ -M NEMA210	2	42	195.5	369.5
K83 -M NEMA180	1	39	141.5	141.5
K83 -M NEMA210	1	39	173.5	173.5
K83 -M NEMA250	1	39	220	220
K83 -M NEMA280	1	39	236	236
K83G3_ -M NEMA56	2	50	99.5	273.5
K83G3_ -M NEMA140	2	50	128.5	302.5
K83G3_ -M NEMA180	2	50	163.5	337.5
K83G3_ -M NEMA210	2	50	195.5	369.5

Motoreduktory Walcowo - Stożkowe K z przyłączem do serwomotorów

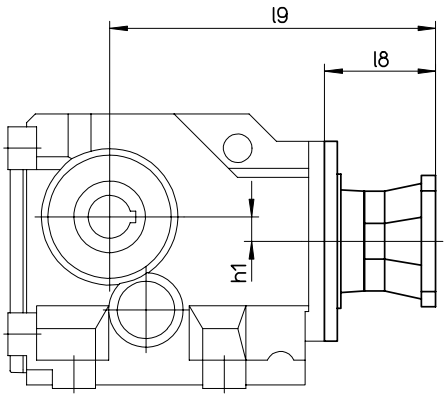


Fig. 1

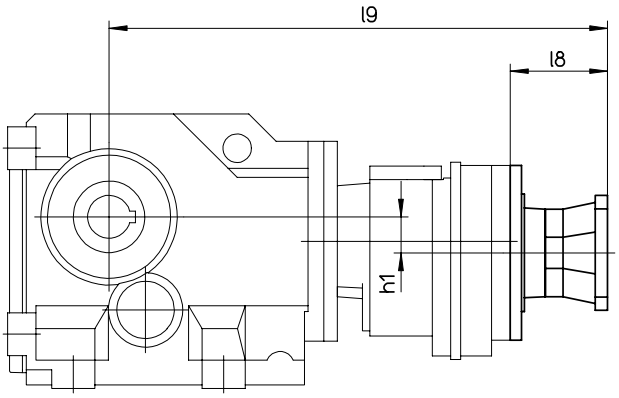


Fig. 2

Typ	Fig.	h1	l8	l9
K33 -M S70/1	1	17	71	221
K33 -M S90/1	1	17	103	253
K33 -M S110/1	1	17	113	263
K33 -M S140/1	1	17	146.5	296.5
K33G1_ -M S70/1	2	22	74	347
K33G1_ -M S90/1	2	22	108	381
K33G1_ -M S110/1	2	22	118	391
K43 -M S70/1	1	18	70.5	246.5
K43 -M S90/1	1	18	104.5	280.5
K43 -M S110/1	1	18	114.5	290.5
K43 -M S140/1	1	18	147	323
K43 -M S190/1	1	18	174	350
K43G1_ -M S70/1	2	23	74	373
K43G1_ -M S90/1	2	23	108	407
K43G1_ -M S110/1	2	23	118	417
K53 -M S70/1	1	24	67	279
K53 -M S90/1	1	24	101	313
K53 -M S110/1	1	24	111	323
K53 -M S140/1	1	24	142.5	354.5
K53 -M S190/1	1	24	170.5	382.5
K53G2_ -M S70/1	2	35	71	428
K53G2_ -M S90/1	2	35	103	460
K53G2_ -M S110/1	2	35	113	470
K53G2_ -M S140/1	2	35	146.5	503.5

Typ	Fig.	h1	l8	l9
K63 -M S90/1	1	29	96	96
K63 -M S110/1	1	29	106	106
K63 -M S140/1	1	29	139	139
K63 -M S190/1	1	29	167	167
K63G2_ -M S70/1	2	40	71	216
K63G2_ -M S90/1	2	40	103	248
K63G2_ -M S110/1	2	40	113	258
K63G2_ -M S140/1	2	40	146.5	291.5
K73 -M S140/1	1	31	132	132
K73 -M S190/1	1	31	160	160
K73G3_ -M S70/1	2	42	70.5	244.5
K73G3_ -M S90/1	2	42	104.5	278.5
K73G3_ -M S110/1	2	42	114.5	288.5
K73G3_ -M S140/1	2	42	147	321
K73G3_ -M S190/1	2	42	174	348
K83 -M S140/1	1	39	125	125
K83 -M S190/1	1	39	152	152
K83G3_ -M S70/1	2	50	70.5	244.5
K83G3_ -M S90/1	2	50	104.5	278.5
K83G3_ -M S110/1	2	50	114.5	288.5
K83G3_ -M S140/1	2	50	147	321
K83G3_ -M S190/1	2	50	174	348

Trójfazowe silniki elektryczne

Właściwości techniczne

Silniki odpowiadają następującym normom i przepisom:

DIN EN 60034	Obrotowe maszyny elektryczne
IEC60072	Powierzchniowo chłodzone silniki trójfazowe, gabaryty i przyporządkowanie mocy
DIN42948	Kołnierze mocujące dla maszyn elektrycznych

Silniki są seryjnie dostosowane do klasy izolacyjnej F. Opcjonalnie możliwa jest dostawa w klasie izolacyjnej H.

Napięcie/Częstotliwość

DL63 . .DL112	DA132 .. DA200
● 230/400V Δ/Y 50Hz	● 230/400V Δ/Y 50Hz
● 220-240/380-420V Δ/Y 50/60Hz	● 220-240/380-420V Δ/Y 50/60Hz
● 275/480 V Δ/Y 60 Hz *)	● 275/480 V Δ/Y 60Hz *)
● 230/460V 60 Hz	● 230/460V 60Hz
400/690 V Δ/Y 50 Hz	● 400/690 V Δ/Y 50 Hz
380-420/660-690 V Δ/Y 50 oder 60 Hz	● 380-420/660-690 V Δ/Y 50/60Hz
480V 60Hz *)	● 480V 60Hz *)
290/500 V Δ/Y 50Hz	500V Δ 50Hz
200V 50Hz / 220V 60Hz	200V 50Hz / 220V 60Hz

●=Napięcie standardowe
*) Moc i obroty podwyższą się o ok.. 20%.
Rozbierzne napięcia i częstotliwości są dostępne na zamówienie.

Moc silnika

Podane w tabelach wartości Pn dotyczą następujących warunków eksploatacji:
Praca ciągła S1
Maksymalna temperatura otoczenia +40°C
Wysokość montażowa do 1000 m npm.
W odbiegających warunkach eksploatacji dostępna moc silnika obliczana jest następująco: $P = Pn \cdot fs \cdot ft \cdot fh$

Faktor fs dla innego rodzaju pracy

Rodzaj pracy		fs
S1	Praca siągła ze stałym obciążeniem, silnik osiąga swój stan ustalony.	1.0
S2-10min	Praca krutkotrwała ze stałym obciążeniem i dołączoną przerwą. W przerwie silnik osiąga ponownie temperaturę otoczenia. Czas trwania obciążenia jest podany w minutach.	1.4
S2-30min		1.25
S2-60min		1.1
S3-15%ED	Praca przerywana bez wpływu procesu rozruchu na wzrost temperatury. Następstwo cykli pracy ze stałym obciążeniem i przerwą. Względny czas pracy jest podany w %.	1.4
S3-25%ED		1.3
S3-40%ED		1.2
S3-60%ED		1.1
S4 .. S10	Praca okresowa z wpływem procesu rozruchu lub hamowania na wzrost temperatury. Dla tego rodzaju pracy potrzebne są dodatkowe dane procesu obciążenia.	Prosimy o kontakt

Faktor ft przy odmiennej temperaturze otoczenia θ

θ ≤40°C	ft=1.0
40°C < θ ≤ 50°C	ft=0.87
50°C < θ ≤ 60°C	ft=0.75

Faktor fh przy odmiennej wysokości montażowej h

h≤ 1000m	fh=1.0
1000m < h ≤ 2000m	fh=0.95
2000m < h ≤ 3000m	fh=0.87
3000m < h ≤ 4000m	fh=0.80

Stopień ochrony IP

IP	1. cyfra Ochrona przed dostępem i wchodzeniem ciał obcych	2. cyfra ochrona przed wnikaniem wody
0	Bez ochrony	Bez ochrony
1	Ochrona przed ciałami stałymi Ø 50 mm i większymi	Ochrona przed kroplami wody
2	Ochrona przed ciałami stałymi Ø 12 mm i większymi	Ochrona przed kroplami wody, gdy obudowa jest pochylona o 15°.
3	Ochrona przed ciałami stałymi Ø 2,5 mm i większymi	Ochrona przed rozpyloną wodą
4	Ochrona przed ciałami stałymi Ø 1 mm i większymi	Ochrona przed natryskami wody
5	Ochrona przed pyłem	Ochrona przed strumieniem wody
6	Pyłoszczelny	Ochrona przed mocnym strumieniem wody
7		Ochrona przed czasowym zanurzeniem w wodzie
8		Ochrona przed długotrwałym zanurzeniem w wodzie

Silniki seryjne posiadają stopień ochrony IP55 (silniki z hamulcem IP 54).
Z opcją pyło i wodoszczelne silniki posiadają stopień ochrony IP65. Wyższe stopnie ochrony na zamówienie.

Dopuszczalne siły promieniowe na wale wyjściowym

W przypadku gdy, na wale wyjściowym przekładni występują siły promieniowe powinny on zostać porównane z wartościami dopuszczalnymi. Tabele z dopuszczalnymi wartościami sił promieniowych dotyczą następujących warunków pracy:

- równomiernie rozłożone obciążenie podczas pracy ciągłej
- obciążenie siłą promieniową występuje w połowie wału z przyjęciem najbardziej niekorzystnego kierunku działania siły
- brak siły osiowej

W przypadku gdy, oddziaływanie siły promieniowej nie występuje na środku wału, potrzebne jest posłużenie się następującymi formułkami do obliczenia dopuszczalnej siły promieniowej:

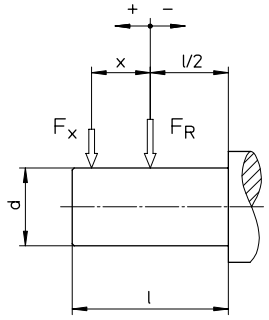
$$F_{Rx1} = F_{R1} \cdot \frac{1}{1 + \frac{x}{K_1}}$$

$$F_{Rx2} = F_{R2} \cdot \frac{1}{1 + \frac{x}{K_2}}$$

$$F_{Rxp} = \min(F_{Rx1}, F_{Rx2})$$

F_{R1}	[N]	dopuszczalna siła radialna wg żywotności łożyska Oddziaływanie na środku wału (tabela)
F_{R2}	[N]	dopuszczalna siła radialna wg wytrzymałości wału Oddziaływanie na środku wału (tabela)
K1, K2	[mm]	współczynniki stałe (tabela)
x	[mm]	odległość (wartość pozytywna lub negatywna wg rysunku)
F_{Rx1}	[N]	dopuszczalna siła radialna wg żywotności łożyska Oddziaływanie w dowolnym miejscu x
F_{Rx2}	[N]	dopuszczalna siła radialna wg wytrzymałości wału Oddziaływanie w dowolnym miejscu x
F_{Rxp}	[N]	Wartość całkowita dopuszczalnej siły promieniowej Oddziaływanie w dowolnym miejscu x

					F_{R1} [N]			
Silnik	**Wał wyjściowy dxl [mm]**	**K1 [mm]**	**K2 [mm]**	**F_{R2} [N]**	**3000 1/min**	**1500 1/min**	**1000 1/min**	**750 1/min**
DL63	11x23	187	40	550	340	430	430	
DL71	14x30	158	37.5	580	340	430	430	430
DL80	19x40	201	46	1000	580	730	730	730
DL90	24x50	240.5	54	1100	600	770	770	770
DL100	28x60	287	30	1600	580	860	860	860
DL112	28x60	318	62	1600	770	980	980	980
DA132	38x80	368.5	76.5	3300	1440	1780	2100	2310
DA160	42x110	495	94.5	3500	1390	1780	2050	2350
DA180	48x110	540.5	55	6500	1980	2630	3080	3420
DA200	55x110	590.5	101.5	4900	1880	2440	2990	3320



Siła promieniowa ustalona z aplikacji nie może przekraczać dopuszczalnej siły promieniowej wybranego silnika.
Silnik może w specjalnych warunkach przyjąć wyższe siły promieniowe.
W przypadku specjalnych zastosowań gdy, ustalona siła promieniowa jest większa od obliczonych wartości dopuszczalnych albo równocześnie występują siły promieniowe i osiowe prosimy o kontakt z producentem.

Trójfazowe silniki elektryczne

Silniki elektryczne trójfazowe 2-biegunowe

Silnik	Pn [kW]	n1 [1/min]	In (400V)	cos φ	η [%]	Ma/Mn	Ia/In	Mk/Mn	JE [kgcm²]	~kg	hamul.	COMBIVERT 50 Hz
DL63K2	0.18	2850	0.44	0.80	74.0	2.4	5.7	2.8	2.5	5.0	B02	07●
DL63G2	0.25	2820	0.58	0.83	75.0	2.1	5.3	2.5	2.5	5.0	B02	07●
DL71K2	0.37	2800	0.93	0.80	72.0	2.1	5.0	2.4	2.7	5.2	B02	07●
DL71G2	0.55	2790	1.30	0.81	75.5	2.3	5.4	2.5	3.4	6.0	B02	07●
DL80K2	0.75	2830	1.61	0.84	80.0	2.7	6.2	2.7	6.2	10	B03/B02	07●
DL80G2	1.1	2830	2.48	0.84	76.5	2.5	6.0	2.4	7.8	11	B03/B02	09●
DL90S2	1.5	2860	3.05	0.85	84.0	2.9	7.2	2.8	14.5	14	B04/B03	09●
DL90L2	2.2	2860	4.4	0.85	84.5	2.8	8.1	2.9	17.9	16	B04/B03	10●
DL100L2	3	2860	5.9	0.86	85.4	2.5	7.2	2.8	30.5	23	B05/B04	11●/12
DL112M2	4	2910	8.3	0.79	88.0	2.3	7.6	3.1	49.4	28	B06/B05	12●
DA132S2	5.5	2900	10	0.90	87.5	3.3	8.0	3.6	74.0	50	B07/B06	13●
DA132SX2	7.5	2895	13.7	0.90	87.5	3.3	7.8	3.6	80.0	53	B07/B06	14●
DA160M2	11	2940	21.7	0.83	88.6	2.0	6.5	2.9	430.0	75	B08/B07	15●
DA160MX2	15	2945	27.8	0.86	90.4	2.6	7.5	3.3	570.0	91	B08/B07	16
DA160L2	18.5	2945	33.5	0.88	91.0	2.5	7.6	3.2	700.0	107	B08/B07	17
DA180M2	22	2940	39.5	0.88	91.5	2.5	7.3	3.0	1240.0	129	B09/B08	18
DA200L2	30	2950	53	0.88	92.5	2.7	7.8	3.5	1640.0	164	B09/B08	19
DA200LX2	37	2955	65	0.90	93.0	3.2	8.6	4.3	1960.0	183	B09/B08	20

Silniki elektryczne trójfazowe 4-biegunowe

Silnik	Pn [kW]	n1 [1/min]	In (400V)	cos φ	η [%]	Ma/Mn	Ia/In	Mk/Mn	JE [kgcm²]	~kg	hamul.	COMBIVERT 50 Hz	87 Hz
DL63K4	0.12	1410	0.36	0.71	69.0	1.8	3.8	2.3	4.0	5.1	B02	07●	07●
DL63G4	0.18	1410	0.59	0.67	66.0	2.1	3.8	2.4	4.0	5.1	B02	07●	07●
DL71K4	0.25	1385	0.78	0.72	64.6	1.8	3.5	2.1	4.3	5.3	B02	07●	07●
DL71G4	0.37	1380	1.09	0.71	69.0	2.0	3.8	2.2	5.4	6.3	B02	07●	07●
DL80K4	0.55	1410	1.49	0.72	74.0	2.2	7.0	2.3	9.5	10	B03/B02	07●	09●
DL80G4	0.75	1400	1.98	0.73	75.0	2.3	4.7	2.3	11.6	11	B03/B02	07●	09●
DL90S4	1.1	1420	2.68	0.76	78.0	2.5	6.0	2.7	22.8	14	B04/B03	09●	10●
DL90L4	1.5	1405	3.40	0.81	78.5	2.0	5.1	2.2	28.0	15	B04/B03	09●	11●/12
DL100L4	2.2	1415	4.80	0.80	82.5	2.4	6.0	2.6	45.1	23	B05/B04	10●	12
DL100LX4	3	1430	7.45	0.70	83.0	3.2	6.6	3.5	59.9	24	B05/B04	11●/12	14
DL112M4	4	1435	8.8	0.77	85.0	2.6	6.7	3.1	99.9	32	B06/B05	12●	14●
DA132S4	5.5	1450	11.3	0.82	86.0	2.6	7.4	3.3	143	47	B07/B06	13●	15●
DA132M4	7.5	1450	15.2	0.82	87.2	2.6	7.6	3.3	190	56	B07/B06	14●	16
DA160MS4	9.2	1470	17.5	0.87	88.5	1.9	6.9	3.0	513	76	B08/B07	15●	16
DA160M4	11	1470	21	0.85	89.2	2.4	7.6	3.3	580	82	B08/B07	15●	17
DA160L4	15	1470	27.8	0.86	90.5	2.5	8.2	3.5	780	103	B09/B08	16	18
DA180M4	18.5	1475	35	0.84	91.0	2.5	7.2	3.2	1600	125	B09/B08	17	19
DA180L4	22	1475	42	0.83	91.5	2.8	7.6	3.4	1800	140	B10/B09	18	21
DA200L4	30	1475	55	0.85	92.0	2.7	7.9	3.3	2580	180	B10/B09	19	22

Trójfazowe silniki elektryczne

Silniki elektryczne trójfazowe 6-biegunowe

Silnik	Pn [kW]	n1 [1/min]	In (400V)	cos φ	η [%]	Ma/Mn	Ia/In	Mk/Mn	JE [kgcm²]	~kg	hamul.	COMBIVERT 50 Hz	87 Hz
DL63G6	0.12	925	0.58	0.53	56.0	1.7	2.7	2.2	4.5	5.6	B02	07●	07●
DL71K6	0.18	925	0.82	0.55	58.0	2.0	2.9	2.4	5.0	5.8	B02	07●	07●
DL71G6	0.25	900	1.06	0.58	62.0	1.8	2.8	2.0	6.6	6.7	B02	07●	07●
DL80K6	0.37	930	1.30	0.66	62.0	1.9	3.3	2.1	14.2	8.8	B03 / B02	07●	07●
DL80G6	0.55	925	1.79	0.67	66.0	2.0	3.6	2.2	18.7	10	B03 / B02	07●	09●
DL90S6	0.75	940	2.40	0.65	70.0	2.1	4.0	2.3	34.8	14	B04 / B03	07●	10●
DL90L6	1.1	930	3.40	0.65	71.5	2.1	3.9	2.3	42.6	16	B04 / B03	09●	11●/12
DL100L6	1.5	935	4.15	0.68	76.4	2.0	4.0	2.1	68.9	22	B05 / B04	10●	11●/12
DL112M6	2.2	945	5.05	0.78	80.5	2.3	5.4	2.7	135.3	30	B06 / B05	10●	12●
DA132S6	3	950	7.5	0.73	80.5	1.7	4.7	2.3	140	45	B07 / B06	12●	14●
DA132M6	4	955	9.5	0.72	83.0	1.9	5.4	2.4	180	50	B07 / B06	12●	14●
DA132MX6	5.5	950	13.5	0.73	83.0	1.9	5.3	2.4	220	55	B07 / B06	14●	15●
DA160M6	7.5	965	16	0.79	86.0	2.2	6.3	2.9	810	85	B08 / B07	14●	16
DA160L6	11	970	24	0.77	88.0	2.7	7.1	3.6	1100	103	B09 / B08	15●	17
DA180L6	15	980	30	0.80	89.0	1.9	6.8	3.2	1970	136	B09 / B08	16	19
DA200L6	18.5	980	36	0.82	90.0	1.8	7.0	3.2	2370	164	B10 / B09	17	20
DA200LX6	22	975	43	0.83	90.5	2.1	7.2	3.3	2760	180	B10 / B09	18	20

Silniki elektryczne trójfazowe 8-biegunowe

Silnik	Pn [kW]	n1 [1/min]	In (400V)	cos φ	η [%]	Ma/Mn	Ia/In	Mk/Mn	JE [kgcm²]	~kg	hamul.	COMBIVERT 50 Hz	87 Hz
DL71K8	0.09	670	0.55	0.55	43.0	1.8	2.0	2.0	5.4	6.1	B02	07●	07●
DL71G8	0.12	665	0.83	0.52	40.0	2.1	2.0	2.2	6.4	7.6	B02	07●	07●
DL80K8	0.18	685	0.75	0.63	55.5	1.9	2.6	2.1	14.2	8.6	B03 / B02	07●	07●
DL80G8	0.25	695	1.18	0.57	54.0	2.0	2.7	2.2	18.7	10.1	B03 / B02	07●	07●
DL90S8	0.37	705	1.68	0.53	60.0	2.1	3.0	2.3	33.0	13.1	B04 / B03	07●	09●
DL90L8	0.55	700	2.25	0.56	63.0	2.0	2.9	2.0	40.3	15.2	B04 / B03	07●	09●
DL100L8	0.75	700	2.74	0.58	68.0	2.0	3.0	2.0	69.4	21.6	B05 / B04	09●	10●
DL100LX8	1.1	710	3.80	0.59	71.0	2.2	3.9	2.6	89.8	24.9	B05 / B04	09●	11●/12
DL112M8	1.5	695	4.1	0.69	77.0	2.0	4.0	2.2	135.3	30	B06 / B05	10●	12●
DA132S8	2.2	720	5.5	0.71	82.0	1.8	4.8	2.4	170	45	B07 / B06	12●	12●
DA132M8	3	710	7.3	0.73	82.5	2.0	4.7	2.4	210	50	B07 / B06	12●	14●
DA160M8	4	730	10	0.69	86.0	1.3	4.4	2.1	520	71	B08 / B07	13●	15●
DA160MX8	5.5	730	13	0.72	86.5	1.3	4.4	2.1	690	81	B08 / B07	14●	15●
DA160L8	7.5	730	18	0.70	87.5	1.3	4.6	2.0	930	99	B09 / B08	15●	16
DA180L8	11	730	25	0.75	86.5	1.5	4.8	2.4	1970	136	B09 / B08	16	18

P	Moc znamionowa
n1	Prędkość znamionowa
In	Prąd znamionowy
cos φ	Współczynnik kompensacji mocy
η	Sprawność
Ma/Mn	Krotność momentu rozruchowego
Ia/In	Krotność prądu rozruchowego
Mk/Mn	Krotność momentu utyku
JE	Moment bezwładności silnika
COMBIVERT 50Hz	Preferowana wielkość przemiennika częstotliwości KEB do pracy w trybie 50 Hz
COMBIVERT 87Hz	Preferowana wielkość przemiennika częstotliwości KEB do pracy w trybie 87 Hz
●	dostępny jako zintegrowany przemiennik częstotliwości

Wyposażenie opcjonalne silników elektrycznych

Hamulec COMBISTOP

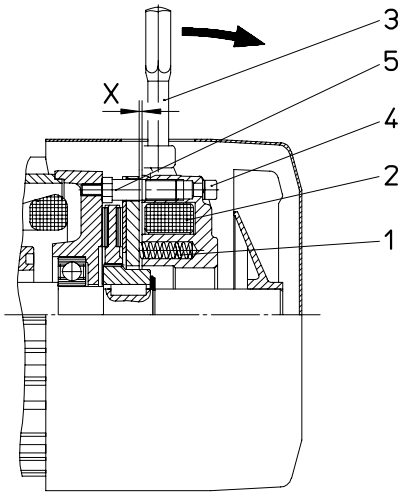
- hamulec bezpieczeństwa , dwutarczowy , sprężynowy
- bezpieczny w razie uszkodzenia
- okładziny bezazbestowe
- stopień ochrony IP 54
- zasilany z terminala przyłączeniowego silnika elektrycznego
- regulacja szczeliny w trakcie zużywania się okładzin nie wymaga demontażu
- możliwa 50% redukcja momentu hamowania
- standardowe napięcie zasilania : 230VAC, 400VAC, 24VDC

Opcje:

- dźwignia ręczna luzownika MB
- dopuszczenie CSA
- wykonanie antykorozyjne
- szybko działający prostownik „Powerbox“ do zabudowy w szafie sterującej .
  W zależności od aplikacji, prostownik ten skraca czas włączenia i wyłączenia , oraz wydłuża żywotność hamulca do momentu ponownej regulacji szczeliny powietrznej .

Tryb pracy

Hamulec zostaje zwolniony poprzez bezpośrednie wzbudzenie prądem w uzwojeniu cewki (2) lub dźwignią ręczną MB (3) , która może być zainstalowana jako opcja .
Hamowanie realizuje nacisk sprężyny (1) po zaniku zasilania . Śruby regulacyjne (5) służą do ustalenia szczeliny powietrznej (X) w miarę zużywania się okładzin.



Dane techniczne

hamul.	Mbr [Nm]	Mbred [Nm]			JB [kgcm²]	P20 [W]	t2 [ms]	t11~ [ms]	t11= [ms]	WR0.1 [J*10^6]	WRmax [J*10^3]	X [mm]	Xn [mm]	~kg
B02	5	2.5	1.5		0.3	25	45	55	6.5	7.5	5.3	0.2	0.4	1.4
B03	10	7.5	5	3	0.7	30	70	80	8	12.5	7.5	0.2	0.5	2.0
B04	20	15	10	6	1.4	30	90	295	30	19.1	18	0.2	0.6	3.6
B05	36	27	18	11	3.5	48	100	320	25	28.0	28	0.2	0.6	5.7
B06	70	53	35	21	5.6	62	200	255	15	28.8	38	0.3	1.0	9.1
B07	100	75	50	30	16	65	215	540	45	35.7	49	0.3	1.0	15
B08	150	113	75	45	30	75	300	550	35	44.2	56	0.4	1.2	24
B09	250	188	125	75	75	80	410	1200	92	69.0	78	0.4	1.2	34
B10	500	375	250	150	210	130	400	1200	85	80.0	100	0.5	1.5	49

Mbr	Statyczny moment hamujący po całkowitym dotarciu
Mbred	możliwe zredukowane momenty hamowania
JB	Moment bezwładności hamulca
P20	Nominalna wartość wzbudzenia w temp. 20°C
t2	Czas uwolnienia czyli czas od chwili podania zasilania do chwili kiedy zaczyna maleć moment hamujący
t11~	Czas zwłoki włączenia po stronie połączeń AC (Rys.1,3) czyli czas od chwili odłączenia prądu do chwili kiedy pojawia się moment hamujący
t11=	Czas zwłoki włączenia po stronie połączeń DC (Rys.2) czyli czas od chwili odłączenia prądu do chwili kiedy pojawia się moment hamujący
WR0.1	Praca tarcia do starcia 0,1 mm
WRmax	dodatkowa praca tarcia podczas hamowania awaryjnego (B02..B07 z 3000 1/min, B08..B10 z 1500 1/min)
X	Luz nominalny
Xn	Luz , przy którym zaleca się regulację szczeliny

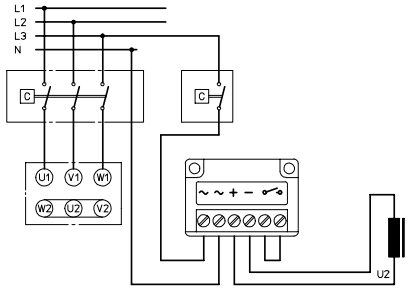
Podane czasy przełączania dotyczą luzu o wartości nominalnej (X) i nominalnego momentu hamujacego (Mbr). Są to wartości średnie i zależą od typu prostownika i temperatury uzwojenia cewki .

Wyposażenie opcjonalne silników elektrycznych

Połączenia elektryczne hamulca

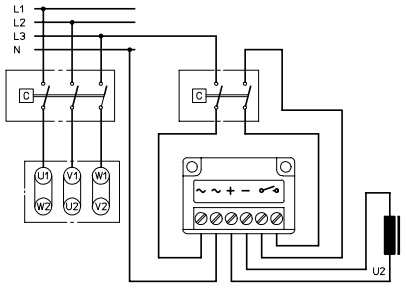
Schemat 1: wyłącznik po stronie prądu zmiennego AC

- Hamulec jest włączany niezależnie od zasilania silnika, Czas zwłoki zadziałania wynosi t11~
- Stosowane podczas pracy z przemiennikiem częstotliwości



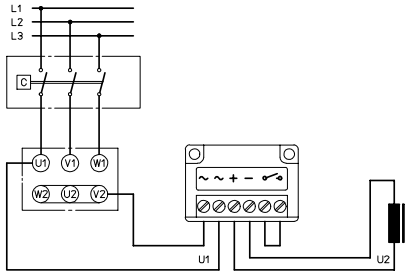
Schemat 2: wyłącznik po stronie prądu stałego DC

- Przełączanie hamulca w układzie prądu zmiennego AC i prądu stałego DC skraca czas zwłoki zadziałania t11=.



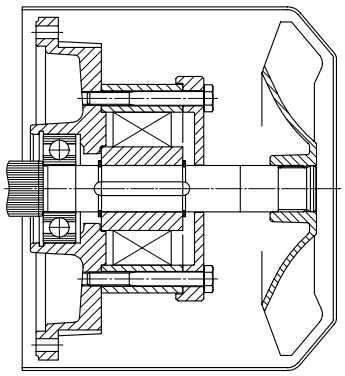
Schemat 3: Hamulec gotowy do pracy

- Napięcie zasilania hamulca pochodzi z terminalu silnika.
- Hamulec jest włączany razem z silnikiem , czas zwłoki zadziałania wynosi t11~
- W porównaniu ze schematem nr 1 , niepotrzebne jest dodatkowe zasilanie hamulca
- Nie może być zastosowane podczas zasilania silnika przemiennikiem częstotliwości , oraz w silnikach wielobiegowych posiadających separowane uzwojenia .



Blokada wsteczna RS

Blokada wsteczna zapobiega wstecznemu obracaniu się silnika po jego wyłączeniu.
Przy zamówieniu musi zostać podany kierunek obrotów silnika lub motoreduktora.
W przypadku motoreduktorów ślimakowych S i stożkowych K dodatkowo określona zostać musi pozycja strony montażowej.
Blokady wsteczne nadają się do pracy w temperaturze otoczenia –40..+60 °C.



Silnik	Znamionowy moment blokady 1) [Nm]	Obroty biegu jałowego 2) n_{min} [1/min]
DL63 RS, DL71 RS	16.9	875
DL80 RS .. DL112 RS	150	875
DA132 RS, DA160 RS	562	720
DA180 RS, DA200 RS	1025	610

1) maksymalny moment blokady = 2* znam. moment blokady
2) obroty biegu jałowego podczas pracy ciągłej nie powinny przekraczać swojej dolnej granicy

Wyposażenie opcjonalne silników elektrycznych

Obce chłodzenie

W wykonaniu standardowym obce chłodzenie posiada następujące parametry :
- Promieniowy lub osiowy wlot powietrza
- Stopień ochrony IP 66
- Napięcie znamionowe :
  DL63 .. DA200: 1 ~ 230 – 277 V, 50/60 Hz
  3 ~ 220 V Δ – 500 V Y 50/60 Hz
- Zasilanie poprzez dodatkowy terminal przymocowany na obudowie wentylatora .

Zabezpieczenie silnika elektrycznego

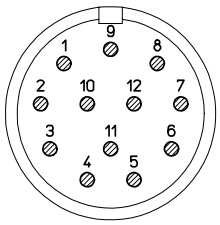
Silnik może być wyposażony w następujące rodzaje zabezpieczenia:
- Termistor PTC o symbolu TW
- Termoprzekaźnik o symbolu TS

Silniki z enkoderami inkrementalnymi

W wykonaniu standardowym enkodery posiadają następujące parametry :
- =- Impulsy / Obrót 2500 (Tor A i B)
- =- Tor A, B, 0 oraz odwrotne
- =- Napięcie zasilania 5 V DC (+/- 5%)
- =- Prąd nominalny typ. 40 mA / max. 90 mA
- =- Dopuszczalne obc. /kanał +/- 20 mA
- =- Częstotliwośc impulsów max. 200 kHz
- =- Poziom sygnłau HIGH min. 2.5 V
- =- Poziom sygnału LOW max. 0.5 V
- =- Stopień ochrony (enkoder) IP 66
- =- Temperatura otoczenia - 20°C ... + 50°C
- =- Interfejs RS 422 (kompatybilny z TTL)
- =- enkoder jest zamontowany pod obudową wentylatora I zabezpieczony przed wpływem czynników zewnętrznych
- Połączenie za pośrednictwem gniazdka 12-polowego , dostawa obejmuje wtyczkę

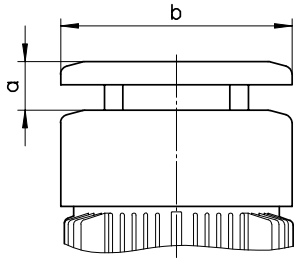
Łącznik wtykowy

Sygnał	Pin
0V	10
0V Sensor	11
+UB	12
+UB Sensor	2
A	5
A inwertowany	6
B	8
B inwertowany	1
0	3
0 inwertowany	4
Ekran	PH



Daszek ochronny

Przy pionowej pozycji montażowej dach ochronny zapobiega wtargnięciu cieczy lub ciał obcych.



Wyposażenie opcjonalne silników elektrycznych

Korekta wymiarów silników elektrycznych z wyposażeniem dodatkowym [mm]

Silnik	Opcja				Daszek ochronny		I_F [A]	I_F [A]
	B I RS	B I	F I B F B F I	F	a	b	3 ~ 230/400V 50Hz	1 ~ 230V 50Hz
DL63 / DL71	54	102	171	96	37	133	0.06 / 0.03	0.08
DL80	57	110	180	92	37	150	0.06 / 0.03	0.08
DL90	65	117	185	91	40	170	0.065 / 0.03	0.09
DL100	71	120	192	96	40	190	0.19 / 0.11	0.20
DL112	87	137	210	100	40	210	0.19 / 0.11	0.21
DA132	99	156	216	98	42	250	0.20 / 0.11	0.23
DA160	120	176	286	151	43	240/338 1)	0.59 / 0.35	0.84
DA180 / DA200	139	199	294	154	43	240/338 1)	0.59 / 0.35	0.84

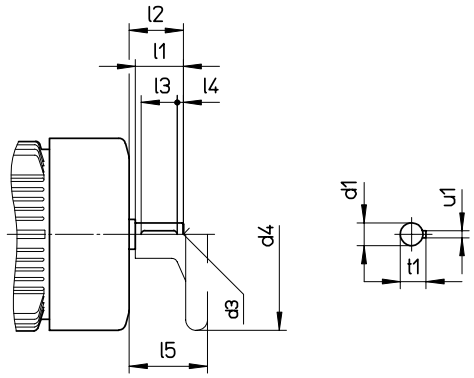
B	Hamulec	F I	Obce chłodzenie + enkoder
I	Enkoder inkrementalny	B F	Obce chłodzenie + hamulec
B I	Hamulec + enkoder	B F I	Obce chłodzenie + hamulec + enkoder
F	Obce chłodzenie	I_F	Prąd znamionowy silnika obcego chłodzenia

1) Obce chłodzenie

Drugi koniec wału silnika WE2 i koło ręczne

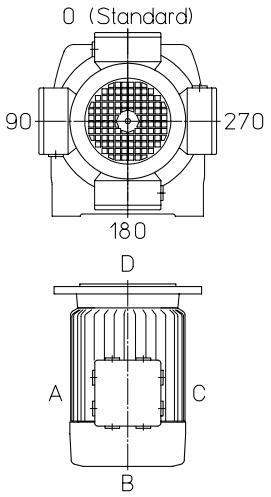
Drugi koniec wału silnika jest przeznaczony do umieszczenia koła ręcznego lub do odbioru momentu obrotowego silnika bez wpływu sił promieniowych.
Gdy drugi koniec wału silnika powinien zostać obciążony wpływem sił promieniowych, prosimy o kontakt z KEB.

	d1	l1	t1	u1	l2	l3	l4	d3	d4	l5
DL63 DL71	11	23	12.5	4	28	18	2.5	M4	100	46
DL80	14	30	16	5	35	25	2.5	M5	100	52
DL90	19	40	21.5	6	45	32	4	M6	160	66
DL100	24	50	27	8	55	40	5	M8	160	75
DL112	24	50	27	8	55	40	5	M8	160	75
DA132	32	80	35	10	85	70	5	M12	225	108
DA160	38	80	41	10	90	70	5	M12	225	113
DA180 DA200	42	110	45	12	120	100	5	M16	280	144



Położenie skrzynki zaciskowej

Wyposażenie opcjonalne silników elektrycznych

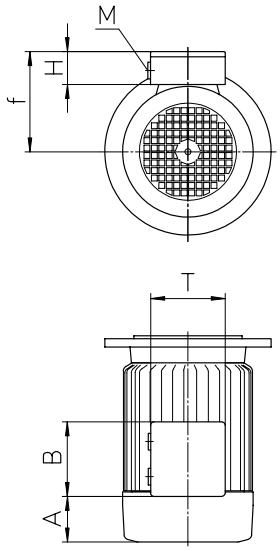


Przykład : 270C oznacza skrzynkę pod kątem 270°
dławik po stronie C

Standard: Położenie skrzynki 0A

Wyposażenie opcjonalne silników elektrycznych

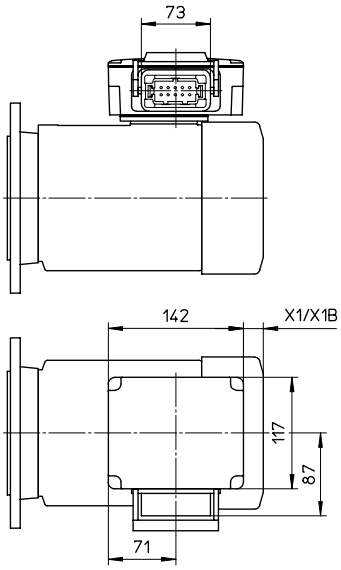
Wymiary skrzynki zaciskowej



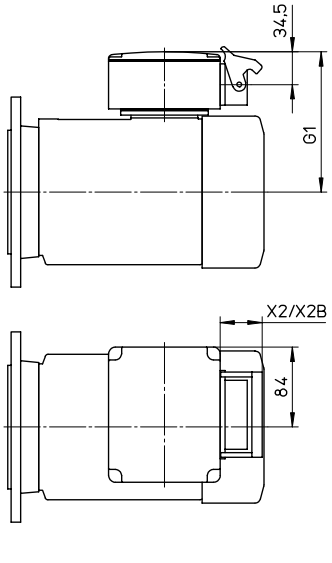
	A	B	T	H	f	M normalny	M hamul. albo TW / TS	M hamul. i TW / TS
DL63 DL71	45	89.5	89.5	51.5	113	1xM20	2xM20	2xM20+1xM16
DL80	55	89.5	89.5	51.5	120.5	1xM20	2xM20	2xM20+1xM16
DL90	60	89.5	89.5	51.5	129.5	1xM25	2xM25	2xM25+1xM16
DL100	73	89.5	89.5	51.5	140.5	1xM25	2xM25	2xM25+1xM16
DL112	75	89.5	89.5	51.5	150.5	1xM25	2xM25	2xM25+1xM16
DA132	143	142	117	62	188	2xM32	2xM32	2xM32+1xM16
DA160	316	140	140	90	250	2xM40	2xM40	2xM40+1xM16
DA180	205	226	230	121	291	2xM40	2xM40	2xM40+1xM16
DA200	230	226	230	121	291	2xM40	2xM40	2xM40+1xM16

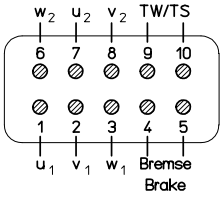
Połączenie wtykowe HAN 10ES

Podłączenie w A, C



Podłączenie w D





System: HAN 10ES (Harting)
Umax = 500VAC Imax = 16 A

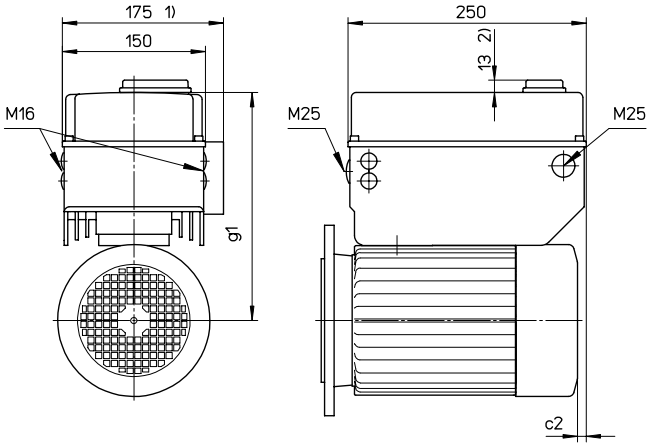
	G1	X1	X1B	X2	X2B
DL63/71	131	6	60	31	85
DL80	138	16	73	41	98
DL90	147	21	86	46	111
DL100	158	34	105	59	130
DL112	168	36	123	61	148

Wentylator chłodzenia obcego, enkoder i hamulec ze zwalnianiem ręcznym są montowane ze skrętem 90° lub 270° od podłączenia wtykowego.

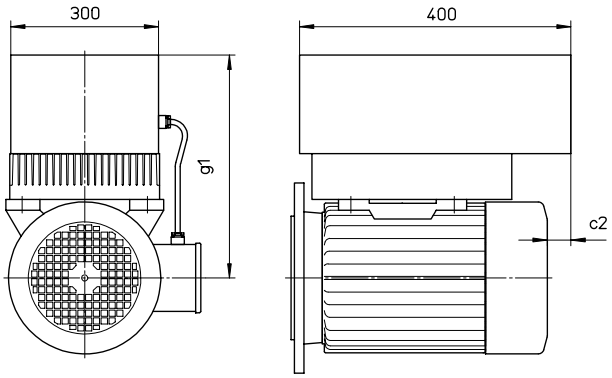
Wyposażenie opcjonalne silników elektrycznych

Zintegrowany przemiennik częstotliwości

Rysunek 1



Rysunek 2



COMBIVERT	Rysunek	In [A] (400V)	Imax [A] (400V)	DL63 DL71 c2 / g1	DL80 c2 / g1	DL90 c2 / g1	DL100 c2 / g1	DL112 c2 / g1	DA132 c2 / g1	DA160 c2 / g1
07.M4	1	2.6	4.6	82 / 222	45 / 230	9 / 239	---	---	---	---
09.M4	1	4.1	7.4	---	45 / 230	9 / 239	-35 / 250	---	---	---
10.M4	1	5.8	10.4	---	---	9 / 239	-35 / 250	-67 / 260	---	---
11.M4	1	7.5	13.4	---	---	9 / 239	-35 / 250	-67 / 260	---	---
12.M4	2	9.5	17.1	---	---	---	---	45 / 395	5 / 415	-78 / 443
13.M4	2	12	21.6/18	---	---	---	---	45 / 395	5 / 415	-78 / 443
14.M4	2	16.5	29.7/24.8	---	---	---	---	45 / 395	5 / 415	-78 / 443
15.M4	2	24	36	---	---	---	---	---	5 / 415	-78 / 443

Napięcia: 07.M4..09.M4 1~220..240V 50/60Hz
3~380..480V 50/60Hz
10.M4..15.M4 3~380..480V 50/60Hz

1) z rezystorem hamowania
2) 09.M4 1~230V, 10.M4 3~400V, 11.M4 3~400V

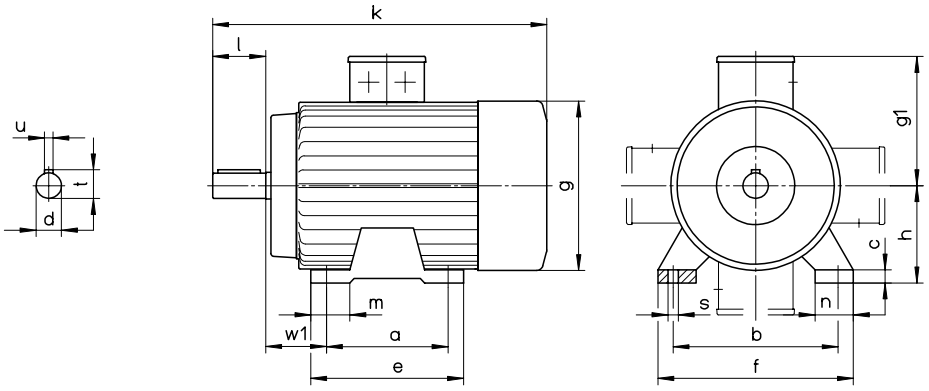
Dodatkowe opcje

Na życzenie są dostępne następujące opcje :

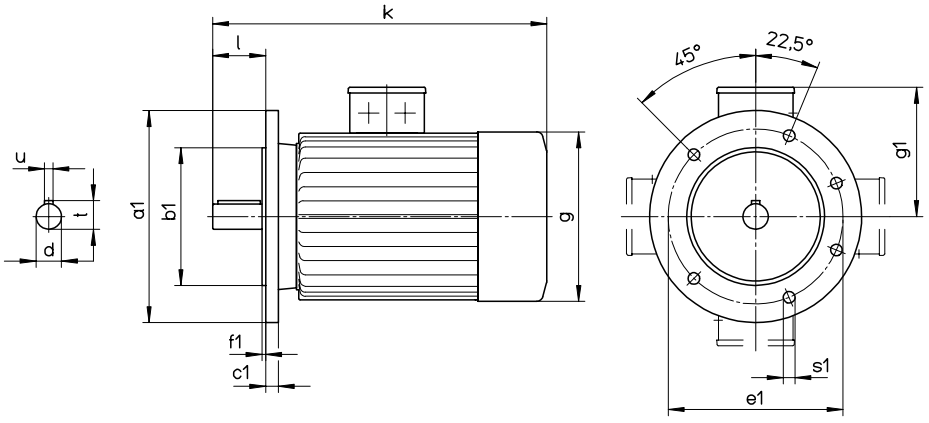
- Silniki przełączalne biegunowo
  4/2 bieguny ; 8/4 ; 8/2 ; 6/2 ; 12/2 ; 6/4
- Silniki jednofazowe
  Moc znamionowa od 0.12 do 1.5 kW
  z kondensatorem rozruchowym Ma / Mn ok. 0.4
  z kondensatorem rozruchowym i krotnością momentu rozruchowego Ma / Mn ok. 0.8
  z kondensatorem rozruchowym i krotnością momentu rozruchowego Ma / Mn ok. 1.8
- Silniki synchroniczne
  Moc znamionowa od 0.25 do 1.5 kW, 4-biegunowe
  ??
- Silnik z ochroną przeciwwybuchową wg. ATEX, do pracy w strefie 1, 2, 21 albo n22
- Silniki ognioszczelne EExd
- Silniki z hamulcami cichymi lub hamulce zdwojone

Gabaryty trójfazowych silników elektrycznych ICE

B3 - Wykonanie na łapach



B5 - Wykonanie kołnierzowe



	a	b	c	e	f	h	m	n	w1	s	a1	b1	c1	e1	f1	s1	d	l	u	t	g	g1	k	kB	hL
DL63	80	100	9	100	120	63	-	20	40	7	140	95	9	115	3	9	11	23	4	12.5	126	113	207(B3) 239(B5)	261(B3) 293(B5)	106
DL71	90	112	9	110	138	71	-	27	45	8	160	110	9	130	3.5	9	14	30	5	16	126	113	214	268	106
DL80	100	125	9	122	148	80	-	27	50	10	200	130	10	165	3.5	11	19	40	6	21.5	142	121	267	324	113
DL90S **DL90L**	100 125	140	10	150	173	90	-	32	56	10	200	130	10	165	3.5	11	24	50	8	27	160	130	316	381	128
DL100L	140	160	15	175	192	100	-	32	63	12	250	180	11	215	4	14	28	60	8	31	180	141	375	446	168
DL112M	140	190	20	180	224	112	-	43	70	12	250	180	11	215	4	14	28	60	8	31	200	151	409	496	176
DA132S **DA132M**	140 178	216	18	180 218	256	132	50	55	89	12	300	230	12	265	4	14	38	80	10	41	245	188	485	584	225
DA160M **DA160L**	210 254	254	22	260 304	320	160	62	69	108	14	350	250	13	300	5	18	42	110	12	45	311	250	627	747	256
DA180M **DA180L**	241 279	279	20	300 340	352	180	75	74	121	14	350	250	13	300	5	18	48	110	14	51.5	356	291	688	827	335
DA200L	305	318	27	380	403	200	95	100	133	18	400	300	15	350	5	18	55	110	16	59	356	291	738	877	335