



ELLE.GI SRL



SERIE DRC

Riduttori Coassiali

DRC Series Coaxial Gearboxes

Catalogo Tecnico
Technical Catalogue

SERIE DRC

Riduttori Coassiali

DRC Series Coaxial Gearboxes

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SOMMARIO - SUMMARIZE

DRC Series helical gear units is a new generation mechanic-electrical integrated product, which designed basing on the modular system. It can be connected respectively with motors such a normal motor, brake motor, explosion-proof motors, frequency conversion motor, servo motor, IEC motor and so on. It can be mounted discretionary six orientation in solid space. This kind of product is widely used in drive fields such as textile, foodstuff, beverage, chemical industry, automatic arm ladder, automatic storage equipment, metallurgy, tobacco, environment-protection, logistics and so on.

La serie dei riduttori DRC è una nuova generazione di prodotti integrati meccanico-elettrico, disegnato su sistemi modulari. Può essere collegato con motori quali motori normali, autofrenanti, antiesplorazione, servo motori e così via. Possono essere montati in 6 posizioni differenti. Questo tipo di prodotto è ampiamente utilizzato in settori quali, quello tessile, alimentare, industria chimica e così via.

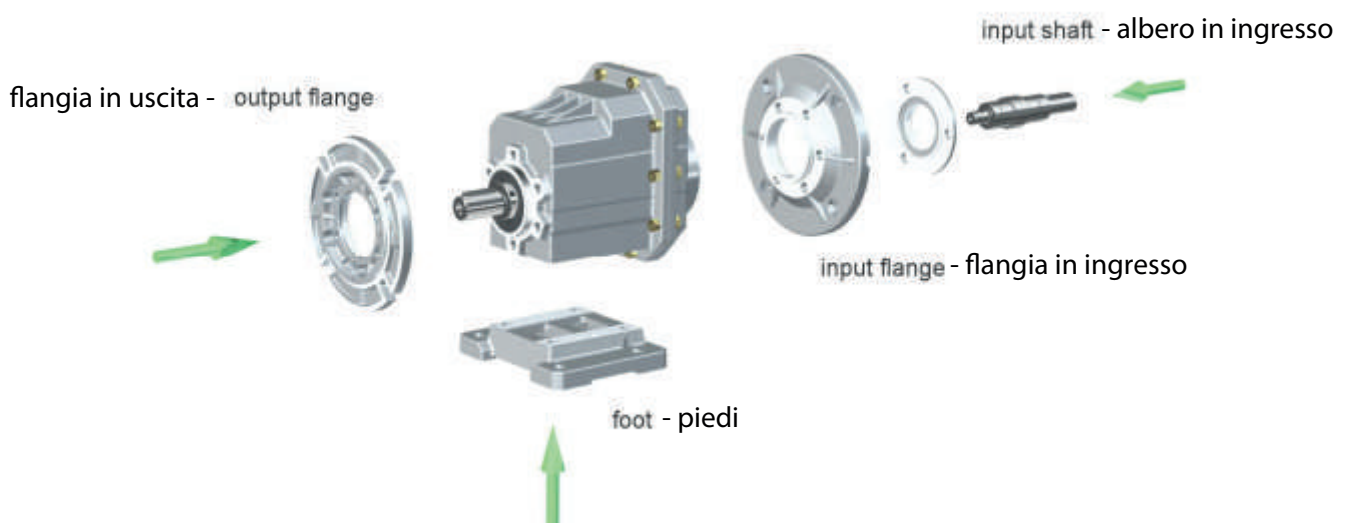
Caratteristiche del prodotto - Products characteristics

- * Modularity - Modularità
- * High efficiency - Alta efficienza
- * Low noise; - Bassa rumorosità
- * Space effective, refined design - Spazio efficace, disegno rifinito
- * Universal mounting - Montaggio universale
- * Alluminium housing, light in weight - Carcassa in alluminio
- * Gears in carbonize hard, durable - Ingranaggi in carbonato duro, alta durata
- * Multistructure, can be combined in many forms to meet needs of all kinds of transmission condiction - Multistruttura, può essere combinato in varie posizioni per incontrare qualsiasi necessità di trasmissione.

Drc Series helical gear units has more than 5 types. Power 0.12-8KW, Ratio 3.66-58,78; Torque max 120-500Nm. It can be connected (foot, flange) discretionary and use multi-mounting positions according to customer's requirements.

La serie DRC ha piu' di 5 tipologie. La potenza da 0,12 a 8KW, rapporti da 3,66 a 58,78. Coppia massima da 120 a 500 NM. Può essere sollegato (a piedi o flangiato) a seconda delle necessità del cliente.

Struttura - Structure feature



IMMAGINI FORME COSTRUTTIVE - PRODUCT STRUCTURE PICTURE



DRCP..P(IEC)

Foot-mounted helical gear unit

Versione a piedi



DRCP..HS

Shaft input foot-mounted helical gear unit

Versione a piedi e albero ingresso



DRCF..P(IEC)

Flange-mounted helical gear unit

Versione a flangia in uscita



DRCF..HS

Shaft input flange-mounted helical gear unit

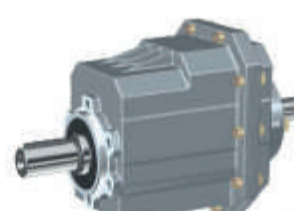
Versione a flangia e albero in ingresso



DRCZ..P(IEC)

B14 Flange-mounted helical gear unit

Versione a flangia B14 PAM



DRCZ..HS

Shaft input B14 flange-mounted helical gear unit

Versione albero in ingresso e flangia B14



DRCP..MX..

Foot-mounted helical geared motors

Versione a piedi e motore



DRCZ..HS

Flange-mounted helical geared motors

Versione a flangia e motore

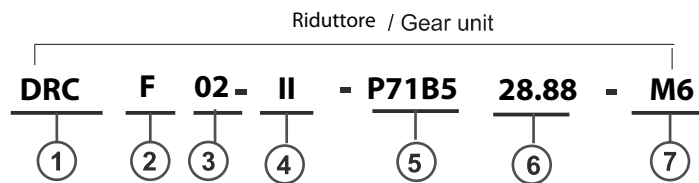


DRCZ..MX..

B14 Flange-mounted helical geared motors

Versione a flangia B14 e motore

Spiegazione dei codici - Model illuminate



No		Comments
1	Codice indicante la serie DRC	Code for gear units series: DRC
2	1) Nessun codice: piedi montati 2) F: flangia B5 montata 3) Z: flangia B14 montata	1) No code means food-mounted 2) F: B5 flange mounted 3) Z: B14 flange mounted
3	Taglia del riduttore: 01, 02, 03, 04, 05	Specification code of gear units: 01, 02, 03, 04, 05
4	1) PB, PM, PS = significa a piedi senza flangia 2) I, II, III: B5 specifica della flangia in uscita. Standard tipo I non indispensabile indicarlo	1) PB, PM, PS= means foot code, without flange 2) I, II, III: B5 Output flange specification, default I not to write out is ok
5	1) IEC: versione PAM, flangia in ingresso 2) HS: versione albero in ingresso maschio	1) IEC: input flange 2) HS: shaft input
6	i: Rapporto di riduzione	i: Transmission ratio of gear units
7	M1: posizione di montaggio. Standard M1 da non indicare	M1: Mounting position, default mounting position M1 not to write out is ok

Parametri importanti

Potenza - P

$$P_1 = \frac{P_2}{\eta} \text{ [kW]}$$

$$P_{1n} \geq P_1 \cdot f_s \text{ [kW]}$$

P₁	Potenza in ingresso
P₂	Potenza in uscita
P_{1n}	Potenza del motore consigliata
f_s	Fattore di servizio
η	Rendimento

Il rendimento della serie DRC ha due stadi e l'efficienza è di circa il 96%

Velocità - n

n₁	Velocità in ingresso
n₂	Velocità in uscita

Sono consigliate velocità in ingresso di 1400 giri/min o inferiori in modo da prolungare la vita del riduttore. Lo stesso può funzionare anche con velocità in ingresso sino a 3000 giri ma va ridotta la coppia in uscita che può sopportare il riduttore.

Relevant parameter

Power - P

$$P_1 = \frac{P_2}{\eta} \text{ [kW]}$$

$$P_{1n} \geq P_1 \cdot f_s \text{ [kW]}$$

P₁	Input power
P₂	Output power
P_{1n}	Rated power driving motor
f_s	Service factor
η	Transmission efficiency

DRC Series helical gear units has 2 stages and the efficiency is about 96%

Rotation speed - n

n₁	Gear units input speed
n₂	Gear units output speed

If driven by the external gearing, 1400r/min or lower rotation speed is suggested so as to optimize the working conditions and prolong the service life. Higher input rotation speed is permitted, but in this situation, the rated torque **M2** will be reduced.

Rapporto di trasmissione - i

$$i = \frac{n_1}{n_2}$$

Abitualmente il rapporto di riduzione viene indicato considerando 2 numeri decimali dopo la virgola.

Coppia - M

$$M_2 = \frac{9550 \cdot P_1 \cdot \eta}{n_2} \text{ [Nm]}$$

$$M_{2n} \geq M_2 \cdot f_s \text{ [Nm]}$$

M_2 Coppia in uscita
 M_{2n} Coppia in uscita nominale
 P_1 Potenza in ingresso
 η Rendimento
 f_s Fattore di servizio

Fattore di servizio - f_s

Il fattore di servizio quantifica la maggiore o minore gravosità delle condizioni di funzionamento reali ovvero del servizio reale rispetto a quello nominale, determinando così il sovra o sottodimensionamento necessario per il riduttore che si deve scegliere.

Il grafico sotto riportato indica tre tipi di carico diversi che variano in funzione della massa da accelerare e dalla frequenza degli avviamenti. Dalla tabella dei parametri Si dovrà scegliere un riduttore che dia un fattore di servizio sempre superiore a 1.

Transmission ratio - i

$$i = \frac{n_1}{n_2}$$

Usually transmission ratio is decimal fraction with 2 radix point tagged in selection tables.

Torque - M

$$M_2 = \frac{9550 \cdot P_1 \cdot \eta}{n_2} \text{ [Nm]}$$

$$M_{2n} \geq M_2 \cdot f_s \text{ [Nm]}$$

M_2 Output torque
 M_{2n} Selected output torque
 P_1 Input power
 η Transmission efficiency
 f_s Service factor

Service factor - f_s

The effect of the driven machine on the gear unit is taken into account to a sufficient level of accuracy using the service factor f_s . The service factor is determined according to the daily operating time and the starting frequency Z .

Three load classifications are considered depending on the mass acceleration factor. You can read off the service factor applicable to your application in following Figure. The service factor selected using this diagram must be less than or equal to the service factor as given in the performance parameter table.

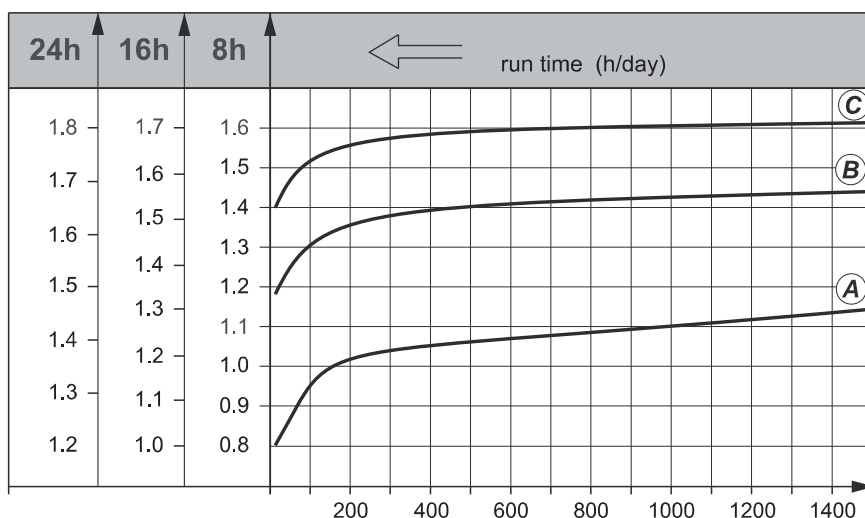


Fig.: Fattore di servizio (f_s)
 Fig: Service factor (f_s)

Frequenza d'avvio Z (1/h) #
 start up frequency Z (1/h) #

frequenza d'avvio Z : il ciclo include tutti gli avvii e le fermate in funzione del cambio della velocità.

starting frequency Z : The cycles include all starting and braking procedures as well as change overs from low to high speed.

Classifica dei carichi

- (A) Uniforme, con fattore di accelerazione $f_a \leq 0.2$
- (B) Carico di spunto moderato con fattore $f_a \leq 3$ di accelerazione
- (C) Elevato carico di spunto con fattore di $f_a \leq 10$ accelerazione

Esempi di applicazioni:

- Nastri trasportatori;
- Ventilatori, linee di assemblaggio, trasportatori a nastro, piccoli mescolatori, macchine per pulizia, macchine a controllo;
- Avvolgitori, Macchine lavorazione legno, ascensori, trasportatori per materiali pesanti, porte scorrevoli, macchine imballaggio, taglierine pompe piegatrici;
- Mescolatori per materiali pesanti, presse, cesoie mulini macinatori piegatrici buratti vibratori trituratori;

Fattore di accelerazione

Viene calcolato nel seguente modo:

$$f_a = \frac{J_c}{J_m}$$

- f_a fattore di accelerazione
 J_c momento di inerzia del carico (kgm^2)
 J_m momento di inerzia del motore (kgm^2)
 Nel caso il fattore di accelerazione risultasse $f_a > 10$, interpellare il nostro ufficio tecnico

Per ottenere una lunga durata del riduttore il fattore di servizio f_s selezionato dal catalogo deve essere uguale o meglio più alto di quello necessario, ottenuto tramite il diagramma descritto nella pagina precedente.

ESEMPIO:

Con fattore di accelerazione di 2,5 tipo (B) un servizio $f_s = 1.48$ e 200 cicli /ora, risulta che serve un fattore di servizio $f_s \geq 1.48$

Load classifications

- (A) Uniform, permitted mass acceleration factor $f_a \leq 0.2$
- (B) Moderate shock load, permitted mass acceleration factor $f_a \leq 3$
- (C) Heavy shock load, permitted mass acceleration factor $f_a \leq 10$

Load classifications:

Screw feeders for light materials, fans, assembly lines, conveyor belts for light materials, small mixers, lifts, cleaning machines, fillers, control machines. Winding devices, woodworking machine feeders, goods lifts, balancers, threading machines, medium mixers, conveyor belts for heavy materials, winches, sliding doors, fertilizer scrapers, packing machines, concrete mixers, crane mechanisms, milling cutters, folding machines, gear pumps. Mixers for heavy materials, shears, presses, centrifuges, rotating supports, winches and lifts for heavy materials, grinding lathes, stone mills, bucket elevators, drilling machines, hammer mills, cam presses, folding machines, turntables, tumbling barrels, vibrators, shredders.

Mass acceleration factor

The mass acceleration factor is calculated as follows:

$$f_a = \frac{J_c}{J_m}$$

- f_a Mass acceleration factor
 J_c All external mass moments of inertia (kgm^2)
 J_m Mass moment of inertia on the motor end (kgm^2)
 If mass acceleration factors $f_a > 10$, please call our Technical Service.

To keep the service-life of gear units, the use factor f_s selected from the catalogue must be equal or slightly higher than the calculated use factor f_s .

Example:

Mass acceleration factor 2.5 (load classification (B)), 14 hours/day operating time (read off at 16 h/d) and 200 cycles/hour result in a service factor $f_s = 1.48$.

choose the service factor $f_s = 1.48$ according to the parameter sheet.

Sovraccarico e carichi assiali

Gli alberi in entrata e in uscita dei riduttori possono essere soggetti a dei carichi radiali esterni, causati dal tipo di trasmissione in uso. Il reale valore dei carichi radiali esterni può essere calcolato utilizzando la formula:

Overhung loads and axial forces

When determining the resulting radial loads, the type of transmission elements, mounted on the shaft end must be considered. Various transmission elements are corresponding with following transmission element factors f_z :

Transmission element	Transmission element factor F_z	Comments
Ingranaggi - Gears	1.00	< 17 teeth
Pignone catena - Chain sprockets	1.25	< 20 teeth
	1.40	< 13 teeth
∇ Puleggia -Narrow V-belt pulleys	1.75	Influence of the tensile force
Puleggia - Flat belt pulleys	2.50	Influence of the tensile force
Puleggia -Toothed belt pulleys	2.50	Influence of the tensile force

I sovraccarichi esercitati sull'albero sono calcolati come segue:

$$F_r = \frac{M \cdot 2000 \cdot f_z}{d_0} \text{ [N]}$$

F_r Carico Radiale [N]
 M Forza sull' albero [Nm]
 d_0 Diametro degli elementi di trasmissione montati in [mm]
 f_z Coefficiente che dipende dal tipo di trasmissione

The overhung loads exerted on the motor or gear shaft is then calculated as follows:

$$F_r = \frac{M \cdot 2000 \cdot f_z}{d_0} \text{ [N]}$$

F_r Resulting radial load [N]
 M Torque on the shaft [Nm]
 d_0 Mean diameter of the mounted transmission element in [mm]
 f_z Transmission element factor

Il carico radiale permesso sull'albero viene calcolato con la seguente formula:

$$F_{xL} \leq \frac{F_{r2} \cdot a}{(b+x)} \text{ [M]}$$

F_{r2} è il sovraccarico permesso ($X=L/2$) per un montaggio a piedi
 a, b costanti del riduttore, ricavabili dalle tabelle qui di seguito riportate
 x distanza del punto di applicazione del carico dello spallamento dell'albero

the maximum radial load on the shaft is calculated with the following

$$F_{xL} \leq \frac{F_{r2} \cdot a}{(b+x)} \text{ [M]}$$

F_{r2} is the maximum overload permitted ($X=L/2$) for a feet mounting
 a, b are constant of the gearbox (see the tables)
 x is the distance between the point in which the load is applied and the shaft shoulder

DRC Costanti del riduttore - Gear unit constantsfor overhung load conversion

	DRC01	DRC02	DRC03	DRC04	DRC05	
a	103	116.5	130	147	147	
b	83	91.5	100	112	112	

Carichi radiali sull'albero in uscita - output shafts radial loads

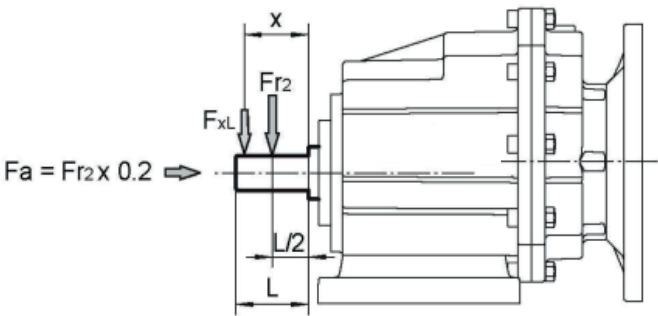
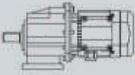


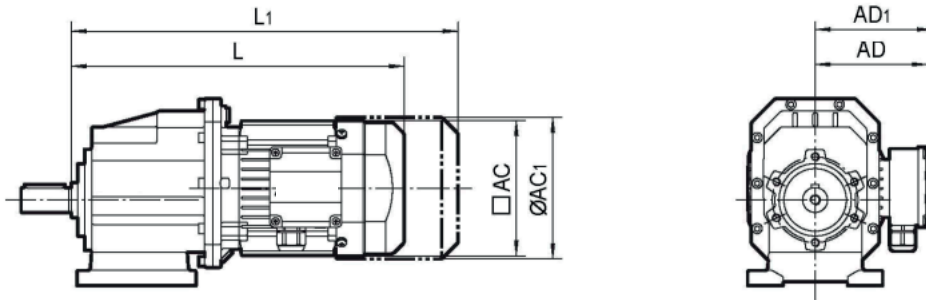
Tabella di selezione - Selection tables comments

P _{1n} [kW]	n ₂ [r/min]	M _{2n} [Nm]	i	F _{r2} [N]	f _s		Page			Page
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 Possibili combinazioni con motore
 Non e' possibile alcuna combinazione con il motore

- * rapporto di riduzione finito del riduttore
- P_{1n} potenza in ingresso del motore [kW];
- n₂ velocita' in uscita [r/min];
- M_{2n} coppia in uscita [Nm];
- M_{2 max} massimo carico radiale in uscita [Nm];
- F_{r2} massimo carico radiale in uscita [N];
- i rapporto nominale
- i_a rapporto di riduzione reale
- f_s fattore di servizio
-  tipo di riduttore
-  tipo di motore
- page Pagina dimensioni

-  Combination with the motor in the header row **is possible**
-  Combination with the motor in the header row **is not possible**
- * Finite gear unit reduction ratio;
- P_{1n} Rated power driving motor [kW];
- n₂ Output speed [r/min];
- M_{2n} Output torque [Nm];
- M_{2 max} Max. permissible output torque [Nm]
- F_{r2} Permissible overhung load output side [N]
- i Gear unit nominal ratio;
- i_a Gear unit actual ratio;
- f_s Service factor;
-  Gear unit type;
-  Motor type;
- Page Dimension sheet page no;



- L** Total length of gearmotor; - Lunghezza totale del riduttore
L1 Total length of gearmotor including brake; - Lunghezza totale del riduttore incluso il freno
AC Diameter of motor; - Diametro del motore
AC1 Diameter of brake motor; - Diametro del freno del motore
AD Center of motor shaft to top part of - Centraggio dell'albero del motore sino al coprimorsettiera terminal box;
AD1 Center of brake motor shaft to top part of - Centraggio del freno del motore sino al coprimorsettiera terminal box.

Esempi di selezione - Selection example

Esempio 1 - Example 1

Esempio: la coppia richiesta è 400Nm. Lavora per 6 ore al giorno con carichi uniformi. La frequenza d'avvio è di 400 volte all'ora. La flangia in uscita montata è Ø200mm e $n_2=30$ r/min.
 Vedere la tabella, $f_s=1.05$

Example: the required torque on driven machine is 400nM, works for 6 hours per day. Uniform shock load, start-up frequency is 400 times per hours, Ø200mm output flange-mounted, $n_2=30$ r/min.
 See table, $f_s=1.05$

$$M_{2n} \geq M_2 \cdot f_s = 400 \times 1.05 = 420[\text{Nm}]$$

$$i = \frac{n_1}{n_2} = \frac{1400}{30} = 46.67$$

Choose type:

DRCF04 II - P90B5 - 44.18

Esempio 2 - Example 2

Example: the required power on driven machine is 1kW, works for 8 hours per day. Moderate shock load, start-up continuously, M6 foot-mounted, $n_2=95$ r/min.
 See table, $f_s=1.35$

Esempio: la potenza richiesta è 1kW. Lavora per 8 ore al giorno con carichi moderati. Avvi continui, posizione di montaggio M6 a piedi e $n_2=95$ r/min.
 Vedere la tabella, $f_s=1.35$

$$i = \frac{n_1}{n_2} = \frac{1400}{95} = 14.74$$

$$P_{1n} \geq P_1 \cdot f_s = \frac{P_2}{\eta} \cdot f_s = \frac{1}{0.96} \times 1.35 = 1.41[\text{kW}]$$

Choose type:

DRC02 - P90B5 - 14.81 - M6 - 1.5-4

Tabella di selezione - Gear selection tables

Possibili combinazioni geometriche - Possible geometrical combinations

DRC01..

$n_1=1400$ r/min

120Nm

n_2 [r/min]	M_{2max} [Nm]	Fr_2 [N]	i		MX63.. 63B5	MX71.. 71B5/B14	MX80.. 80B5/B14	MX90.. 90B5/B14
26	120	2600	53.33	160 / 3				
31	120	2600	45.89	413 / 9				
35	120	2600	40.10	3248 / 81				
39	120	2560	35.47	532 / 15				
49	120	2380	28.50	770 / 27				
59	120	2230	23.56	212 / 9				
71	120	2100	19.83	119 / 6				
78	90	2030	17.86	1357 / 76				
96	120	1900	14.62	658 / 45				
101	90	1860	13.80*	69 / 5				
118	120	1770	11.90	2464 / 207				
143	120	1660	9.81	1148 / 117				
153	80	1630	9.17 *	1219 / 133				
181	80	1540	7.72	1173 / 152				
246	70	1390	5.69 *	1081 / 190				
302	70	1290	4.63	88 / 19				
366	70	1210	3.82 *	943 / 247				

DRC02..

$n_1=1400$ r/min

200Nm

n_2 [r/min]	M_{2max} [Nm]	Fr_2 [N]	i		MX63.. 63B5	MX71.. 71B5/B14	MX80.. 80B5/B14	MX90.. 90B5/B14
26	200	4500	54.00	54 / 1				
30	200	4500	46.46	3717 / 80				
34	200	4500	40.60	203 / 5				
39	200	4270	35.91	3591 / 100				
48	200	3970	28.88	231 / 8				
59	200	3730	23.85	477 / 20				
70	200	3520	20.08	3213 / 160				
82	140	3330	17.10	3009 / 176				
95	200	3180	14.81	2961 / 200				
106	140	3060	13.21 *	2907 / 220				
116	200	2970	12.05	1386 / 115				
141	200	2780	9.93	2583 / 260				
159	120	2670	8.78 *	2703 / 308				
189	120	2520	7.39	2601 / 352				
257	100	2280	5.45 *	2397 / 440				
316	100	2120	4.43	102 / 23				
383	80	1990	3.66 *	2091 / 572				

* Solo su richiesta - Only on request

DRC..P(IEC)..(kW)**DRC03..**n₁=1400 r/min**300Nm**

n ₂ [r/min]	M ₂ max [Nm]	Fr ₂ [N]	i		MX71.. 71B5/B14	MX80.. 80B5/B14	MX90.. 90B5/B14	MX100.. 100B5/B14	MX112.. 112B5/B14
24	300	6000	58.09	639 / 11					
28	300	6000	50.02	2201 / 44					
32	300	6000	43.75	4331 / 99					
36	300	6000	38.73	426 / 11					
40	300	5860	34.62	4189 / 121					
49	300	5480	28.30	4047 / 143					
64	280	5020	21.78	1917 / 88					
81	280	4660	17.33	3621 / 209					
93	260	4440	15.06 *	497 / 33					
113	260	4160	12.37	1633 / 132					
136	240	3910	10.28	3053 / 297					
177	180	3590	7.93	1269 / 160					
222	180	3320	6.31 *	2397 / 380					
255	150	3170	5.48	329 / 60					
311	150	2970	4.50 *	1081 / 240					
374	150	2790	3.74 *	2021 / 540					

DRC04..n₁=1400 r/min**500Nm**

n ₂ [r/min]	M ₂ max [Nm]	Fr ₂ [N]	i		MX80.. 80B5/B14	MX90.. 90B5/B14	MX100.. 100B5/B14	MX112.. 112B5/B14
24	500	8000	58.09	639 / 11				
28	500	8000	50.02	2201 / 44				
32	500	8000	43.75	4331 / 99				
36	500	8000	38.73	426 / 11				
40	500	7950	34.62	4189 / 121				
49	500	7430	28.30	4047 / 143				
64	480	6810	21.78	1917 / 88				
81	480	6310	17.33	3621 / 209				
93	460	6020	15.06 *	497 / 33				
113	460	5640	12.37	1633 / 132				
136	440	5300	10.28	3053 / 297				
177	260	4860	7.93	1269 / 160				
222	260	4510	6.31 *	2397 / 380				
255	230	4300	5.48	329 / 60				
311	230	4030	4.50 *	1081 / 240				
374	200	3780	3.74 *	2021 / 540				

* Solo su richiesta - Only on request

DRC05..

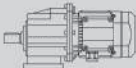
$n_1=1400$ r/min

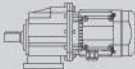
820Nm

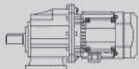
n_2 [r/min]	M_{2max} [Nm]	Fr_2 [N]	i		MX80.. 80B5/B14	MX90.. 90B5/B14	MX100.. 100B5/B14	MX112.. 112B5/B14
24	500	8000	58.09	639 / 11				
28	500	8000	50.02	2201 / 44				
32	500	8000	43.75	4331 / 99				
36	500	8000	38.73	426 / 11				
40	500	7950	34.62	4189 / 121				
49	500	7430	28.30	4047 / 143				
64	480	6810	21.78	1917 / 88				
81	480	6310	17.33	3621 / 209				
93	460	6020	15.06 *	497 / 33				
113	460	5640	12.37	1633 / 132				
136	440	5300	10.28	3053 / 297				
177	260	4860	7.93	1269 / 160				
222	260	4510	6.31 *	2397 / 380				
255	230	4300	5.48	329 / 60				
311	230	4030	4.50 *	1081 / 240				
374	200	3780	3.74 *	2021 / 540				

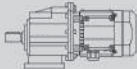
* Solo su richiesta - Only on request

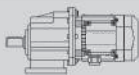
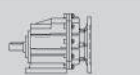
DRC..P(IEC).. Prestazioni - DRC..P(IEC).. Performance parameter

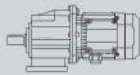
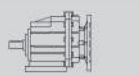
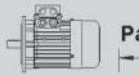
P _{1n} [kW]	n ₂ [r/min]	M _{2n} [Nm]	i	F _{r2} [N]	f _s		Page			Page
0.12	26	42	53.33	2600	2.9	DRCP01 MX63S4	33	DRCP01 63B5	6314	32
	31	36	45.89	2600	3.3	DRCF01 MX63S4	33	DRCF01 63B5	6314	32
	35	32	40.10	2600	3.8	DRCZ01 MX63S4	33	DRCZ01 63B5	6314	32
	39	28	35.47	2560	4.3					
	49	22	28.50	2380	5.4					
	59	18.5	23.56	2230	6.5					
	71	15.6	19.83	2100	7.7					
	78	14.0	17.86	2030	6.4					
	96	11.5	14.62	1900	10.4					
	101	10.8	13.80*	1860	8.3					
	118	9.4	11.90	1770	12.8					
	143	7.7	9.81	1660	15.6					
	153	7.2	9.17	1630	11.1					
	181	6.1	7.72	1540	13.2					
	246	4.5	5.69	1390	15.7					
	302	3.6	4.63	1290	19.2					
	366	3.0	3.82	1210	23.3					
	16.9	65	53.33	2600	1.8	DRCP01 MX63M6	33	DRCP01 63B5	6326	32
	19.6	56	45.89	2600	2.1	DRCF01 MX63M6	33	DRCF01 63B5	6326	32
	22	49	40.10	2600	2.4	DRCZ01 MX63M6	33	DRCZ01 63B5	6326	32
	25	43	35.47	2560	2.8					
	32	35	28.50	2380	3.4					
	38	29	23.56	2230	4.2					
	45	24	19.83	2100	5.0					
	50	22	17.86	2030	4.1					
	62	17.9	14.62	1900	6.7					
	65	16.9	13.80*	1860	5.3					
	76	14.5	11.90	1770	8.2					
	92	12.0	9.81	1660	10.0					
	98	11.2	9.17	1630	7.1					
	117	9.4	7.72	1540	8.5					
	158	7.0	5.69	1390	10.1					
	194	5.7	4.63	1290	12.4					
	236	4.7	3.82	1210	15.0					
0.18	26	63	53.33	2600	1.9	DRCP01 MX63M4	33	DRCP01 63B5	6324	32
	31	54	45.89	2600	2.2	DRCF01 MX63M4	33	DRCF01 63B5	6324	32
	35	47	40.10	2600	2.5	DRCZ01 MX63M4	33	DRCZ01 63B5	6324	32
	39	42	35.47	2560	2.9					
	49	34	28.50	2380	3.6					
	59	28	23.56	2230	4.3					
	71	23	19.83	2100	5.1					
	78	21	17.86	2030	4.3					
	96	17.2	14.62	1900	7.0					
	101	16.3	13.80*	1860	5.5					
	118	14.0	11.90	1770	8.6					
	143	11.6	9.81	1660	10.4					
	153	10.8	9.17	1630	7.4					
	181	9.1	7.72	1540	8.8					
	246	6.7	5.69	1390	10.4					
	302	5.5	4.63	1290	12.8					
	366	4.5	3.82	1210	15.5					
	16.9	98	53.33	2600	1.2	DRCP01 MX63L6	33	DRCP01 71B5/B14	7116	32
	19.6	84	45.89	2600	1.4	DRCF01 MX63L6	33	DRCF01 71B5/B14	7116	32
	22	74	40.10	2600	1.6	DRCZ01 MX63L6	33	DRCZ01 71B5/B14	7116	32
	25	65	35.47	2600	1.8					
	32	52	28.50	2600	2.3					
	38	43	23.56	2580	2.8					
	45	36	19.83	2440	3.3					
	50	33	17.86	2360	2.7					

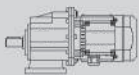
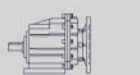
P_{1n} [kW]	n_2 [r/min]	M_{2n} [Nm]	i	F_{r2} [N]	f_s		Page			Page
0.18	26	64	54.00*	4500	3.1	DRCP02 MX63M4	36	DRCP02 63B5	6324	35
	30	55	46.46*	4500	3.7	DRCF02 MX63M4	36	DRCF02 63B5	6324	35
	34	48	40.60*	4500	4.2	DRCZ02 MX63M4	36	DRCZ02 63B5	6324	35
	39	42	35.91*	4270	4.7					
	16.7	99	54.00*	4500	2.0	DRCP02 MX63L6	36	DRCP02 71B5/B14	7116	35
	19.4	85	46.46*	4500	2.3	DRCF02 MX63L6	36	DRCF02 71B5/B14	7116	35
	22	74	40.60*	4500	2.7	DRCZ02 MX63L6	36	DRCZ02 71B5/B14	7116	35
	25	66	35.91*	4500	3.0					
	31	53	28.88*	4500	3.8					
0.25	26	87	53.33	2600	1.4	DRCP01 MX63L4	33	DRCP01 71B5/B14	7114	32
	31	75	45.89	2600	1.6	DRCF01 MX63L4	33	DRCF01 71B5/B14	7114	32
	35	66	40.10	2600	1.8	DRCZ01 MX63L4	33	DRCZ01 71B5/B14	7114	32
	39	58	35.47	2560	2.1					
	49	47	28.50	2380	2.6					
	59	39	23.56	2230	3.1					
	71	32	19.83	2100	3.7					
	78	29	17.86	2030	3.1					
	96	24	14.62	1900	5.0					
	101	23	13.80*	1860	4.0					
	118	19.5	11.90	1770	6.2					
	143	16.1	9.81	1660	7.5					
	153	15.0	9.17	1630	5.3					
	181	12.6	7.72	1540	6.3					
	246	9.3	5.69	1390	7.5					
	302	7.6	4.63	1290	9.2					
	366	6.3	3.82	1210	11.2					
	16.9	136	53.33	2600	0.88	DRCP01 MX71D6	33	DRCP01 71B5/B14	7126	32
	19.6	117	45.89	2600	1.0	DRCF01 MX71D6	33	DRCF01 71B5/B14	7126	32
	22	102	40.10	2600	1.2	DRCZ01 MX71D6	33	DRCZ01 71B5/B14	7126	32
	25	90	35.47	2600	1.3					
	32	73	28.50	2600	1.7					
	38	60	23.56	2580	2.0					
	45	51	19.83	2440	2.4					
	50	45	17.86	2360	2.0					
	62	37	14.62	2200	3.2					
	65	35	13.80*	2160	2.6					
	76	30	11.90	2060	4.0					
	92	25	9.81	1930	4.8					
	98	23	9.17	1890	3.4					
	117	19.7	7.72	1780	4.1					
	158	14.5	5.69	1610	4.8					
	194	11.8	4.63	1500	5.9					
	236	9.7	3.82	1410	7.2					
	26	88	54.00*	4500	2.3	DRCP02 MX63L4	36	DRCP02 71B5/B14	7114	35
	30	76	46.46*	4500	2.6	DRCF02 MX63L4	36	DRCF02 71B5/B14	7114	35
	34	66	40.60*	4500	3.0	DRCZ02 MX63L4	36	DRCZ02 71B5/B14	7114	35
	39	59	35.91*	4270	3.4					
	16.7	138	54.00*	4500	1.5	DRCP02 MX71D6	36	DRCP02 71B5/B14	7126	35
	19.4	118	46.46*	4500	1.7	DRCF02 MX71D6	36	DRCF02 71B5/B14	7126	35
	22	103	40.60*	4500	1.9	DRCZ02 MX71D6	36	DRCZ02 71B5/B14	7126	35
	25	91	35.91*	4500	2.2					
	31	74	28.88*	4500	2.7					

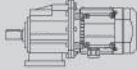
P _{1n} [kW]	n ₂ [r/min]	M _{2n} [Nm]	i	F _{r2} [N]	f _s		Page			Page
0.37	26	129	53.33	2600	0.93	DRCP01 MX71D4	33	DRCP01 71B5/B14	7124	32
	31	111	45.89	2600	1.1	DRCF01 MX71D4	33	DRCF01 71B5/B14	7124	32
	35	97	40.10	2600	1.2	DRCZ01 MX71D4	33	DRCZ01 71B5/B14	7124	32
	39	86	35.47	2560	1.4					
	49	69	28.50	2380	1.7					
	59	57	23.56	2230	2.1					
	71	48	19.83	2100	2.5					
	78	43	17.86	2030	2.1					
	96	35	14.62	1900	3.4					
	101	33	13.80*	1860	2.7					
	118	29	11.90	1770	4.2					
	143	24	9.81	1660	5.0					
	153	22	9.17	1630	3.6					
	181	18.7	7.72	1540	4.3					
	246	13.8	5.69	1390	5.1					
	302	11.2	4.63	1290	6.2					
	366	9.3	3.82	1210	7.6					
	25	134	35.47	2600	0.90	DRCP01 MX80K6	33	DRCP01 80B5/B14	8016	32
	32	107	28.50	2600	1.1	DRCF01 MX80K6	33	DRCF01 80B5/B14	8016	32
	38	89	23.56	2580	1.4	DRCZ01 MX80K6	33	DRCZ01 80B5/B14	8016	32
	45	75	19.83	2440	1.6					
	50	67	17.86	2360	1.3					
	62	55	14.62	2200	2.2					
	65	52	13.80*	2160	1.7					
	76	45	11.90	2060	2.7					
	92	37	9.81	1930	3.2					
	98	35	9.17	1890	2.3					
	117	29	7.72	1780	2.7					
	26	131	54.00*	4500	1.5	DRCP02 MX71D4	36	DRCP02 71B5/B14	7124	35
	30	113	46.46*	4500	1.8	DRCF02 MX71D4	36	DRCF02 71B5/B14	7124	35
	34	98	40.60*	4500	2.0	DRCZ02 MX71D4	36	DRCZ02 71B5/B14	7124	35
	39	87	35.91*	4270	2.3					
	48	70	28.88*	3970	2.9					
	59	58	23.85*	3730	3.5					
	70	49	20.08*	3520	4.1					
	82	41	17.10	3330	3.4					
	95	36	14.81*	3180	5.6					
	16.7	204	54.00*	4500	1.0	DRCP02 MX80K6	36	DRCP02 80B5/B14	8016	35
	19.4	175	46.46*	4500	1.1	DRCF02 MX80K6	36	DRCF02 80B5/B14	8016	35
	22	153	40.60*	4500	1.3	DRCZ02 MX80K6	36	DRCZ02 80B5/B14	8016	35
	25	135	35.91*	4500	1.5					
	31	109	28.88*	4500	1.8					
	38	90	23.85*	4320	2.2					
	45	76	20.08*	4080	2.6					
	53	64	17.10	3860	2.2					
	68	50	13.21	3550	2.8					
	24	141	58.09	6000	2.1	DRCP03 MX71D4	39	DRCP03 71B5	7124	38
	28	121	50.02	6000	2.5	DRCF03 MX71D4	39	DRCF03 71B5	7124	38
	32	106	43.75	6000	2.8	DRCZ03 MX71D4	39	DRCZ03 71B5	7124	38
	36	94	38.73	6000	3.2					
	40	84	34.62	5860	3.6					
	15.5	219	58.09	6000	1.4	DRCP03 MX80K6	39	DRCP03 80B5/B14	8016	38
	18.0	189	50.02	6000	1.6	DRCF03 MX80K6	39	DRCF03 80B5/B14	8016	38
	21	165	43.75	6000	1.8	DRCZ03 MX80K6	39	DRCZ03 80B5/B14	8016	38
	23	146	38.73	6000	2.1					
	26	130	34.62	6000	2.3					
	32	107	28.30	6000	2.8					
	41	82	21.78	5820	3.4					

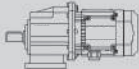
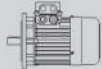
P _{1n} [kW]	n ₂ [r/min]	M _{2n} [Nm]	i	F _{r2} [N]	f _s		Page			Page
0.55	53	96	53.33	2320	1.2	DRCP01 MX71D2	33	DRCP01 71B5/B14	7122	32
	61	83	45.89	2210	1.5	DRCF01 MX71D2	33	DRCF01 71B5/B14	7122	32
	70	72	40.10	2110	1.7	DRCZ01 MX71D2	33	DRCZ01 71B5/B14	7122	32
	79	64	35.47	2030	1.9					
	98	51	28.50	1880	2.3					
	119	42	23.56	1770	2.8					
	141	36	19.83	1670	3.4					
	157	32	17.86	1610	2.8					
	203	25	13.80*	1480	3.6					
	39	128	35.47	2560	0.94	DRCP01 MX80K4	33	DRCP01 80B5/B14	8014	32
	49	103	28.50	2380	1.2	DRCF01 MX80K4	33	DRCF01 80B5/B14	8014	32
	59	85	23.56	2230	1.4	DRCZ01 MX80K4	33	DRCZ01 80B5/B14	8014	32
	71	71	19.83	2100	1.7					
	78	64	17.86	2030	1.4					
	96	53	14.62	1900	2.3					
	101	50	13.80*	1860	1.8					
	118	43	11.90	1770	2.8					
	143	35	9.81	1660	3.4					
	153	33	9.17	1630	2.4					
	181	28	7.72	1540	2.9					
	246	20	5.69	1390	3.4					
	302	16.7	4.63	1290	4.2					
	366	13.8	3.82	1210	5.1					
	38	132	23.56	2580	0.91	DRCP01 MX80N6	33	DRCP01 80B5/B14	8026	32
	45	111	19.83	2440	1.1	DRCF01 MX80N6	33	DRCF01 80B5/B14	8026	32
	62	82	14.62	2200	1.5	DRCZ01 MX80N6	33	DRCZ01 80B5/B14	8026	32
	65	77	13.80*	2160	1.2					
	76	67	11.90	2060	1.8					
	92	55	9.81	1930	2.2					
	98	51	9.17	1890	1.6					
	117	43	7.72	1780	1.8					
	158	32	5.69	1610	2.2					
	194	26	4.63	1500	2.7					
	236	21	3.82	1410	3.3					
	52	97	54.00*	3880	2.1	DRCP02 MX71D2	36	DRCP02 71B5/B14	7122	35
	60	84	46.46*	3690	2.4	DRCF02 MX71D2	36	DRCF02 71B5/B14	7122	35
	69	73	40.60*	3530	2.7	DRCZ02 MX71D2	36	DRCZ02 71B5/B14	7122	35
	78	65	35.91*	3390	3.1					
	97	52	28.88*	3150	3.8					
	26	194	54.00*	4500	1.0	DRCP02 MX80K4	36	DRCP02 80B5/B14	8014	35
	30	167	46.46*	4500	1.2	DRCF02 MX80K4	36	DRCF02 80B5/B14	8014	35
	34	146	40.60*	4500	1.4	DRCZ02 MX80K4	36	DRCZ02 80B5/B14	8014	35
	39	129	35.91*	4270	1.5					
	48	104	28.88*	3970	1.9					
	59	86	23.85*	3730	2.3					
	70	72	20.08*	3520	2.8					
	82	62	17.10	3330	2.3					
	95	53	14.81*	3180	3.7					
	106	48	13.21	3060	2.9					
	22	227	40.60*	4500	0.88	DRCP02 MX80N6	36	DRCP02 80B5/B14	8026	35
	25	201	35.91*	4500	1.0	DRCF02 MX80N6	36	DRCF02 80B5/B14	8026	35
	31	162	28.88*	4500	1.2	DRCZ02 MX80N6	36	DRCZ02 80B5/B14	8026	35
	38	134	23.85*	4320	1.5					
	45	113	20.08*	4080	1.8					
	53	96	17.10	3860	1.5					
	61	83	14.81*	3680	2.4					
	68	74	13.21	3550	1.9					
	103	49	8.78	3090	2.4					

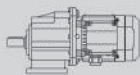
P _{1n} [kW]	n ₂ [r/min]	M _{2n} [Nm]	i	F _{r2} [N]	f _s		Page			Page
0.55	24	209	58.09	6000	1.4	DRCP03 MX80K4	39	DRCP03 80B5/B14	8014	38
	28	180	50.02	6000	1.7	DRCF03 MX80K4	39	DRCF03 80B5/B14	8014	38
	32	158	43.75	6000	1.9	DRCZ03 MX80K4	39	DRCZ03 80B5/B14	8014	38
	36	139	38.73	6000	2.2					
	40	125	34.62	5860	2.4					
	49	102	28.30	5480	2.9					
	64	78	21.78	5020	3.6					
	81	62	17.33	4660	4.5					
	15.5	325	58.09	6000	0.92	DRCP03 MX80N6	39	DRCP03 80B5/B14	8026	38
	18.0	280	50.02	6000	1.1	DRCF03 MX80N6	39	DRCF03 80B5/B14	8026	38
	21	245	43.75	6000	1.2	DRCZ03 MX80N6	39	DRCZ03 80B5/B14	8026	38
	23	217	38.73	6000	1.4					
	26	194	34.62	6000	1.5					
	32	159	28.30	6000	1.9					
	41	122	21.78	5820	2.3					
	52	97	17.33	5400	2.9					
	60	84	15.06	5150	3.1					
	73	69	12.37	4820	3.8					
	24	209	58.09	8000	2.4	DRCP04 MX80K4	42	DRCP04 80B5/B14	8014	41
	28	180	50.02	8000	2.8	DRCF04 MX80K4	42	DRCF04 80B5/B14	8014	41
	32	158	43.75	8000	3.2	DRCZ04 MX80K4	42	DRCZ04 80B5/B14	8014	41
	36	139	38.73	8000	3.6					
	40	125	34.62	7950	4.0					
	15.5	325	58.09	8000	1.5	DRCP04 MX80N6	42	DRCP04 80B5/B14	8026	41
	18.0	280	50.02	8000	1.8	DRCF04 MX80N6	42	DRCF04 80B5/B14	8026	41
	21	245	43.75	8000	2.0	DRCZ04 MX80N6	42	DRCZ04 80B5/B14	8026	41
	23	217	38.73	8000	2.3					
	26	194	34.62	8000	2.6					
	32	159	28.30	8000	3.2					
	41	122	21.78	7890	3.9					
0.75	61	113	45.89	2210	1.1	DRCP01 MX80K2	33	DRCP01 80B5/B14	8012	32
	70	98	40.10	2110	1.2	DRCF01 MX80K2	33	DRCF01 80B5/B14	8012	32
	79	87	35.47	2030	1.4	DRCZ01 MX80K2	33	DRCZ01 80B5/B14	8012	32
	98	70	28.50	1880	1.7					
	119	58	23.56	1770	2.1					
	141	49	19.83	1670	2.5					
	157	44	17.86	1610	2.1					
	192	36	14.62	1510	3.3					
	203	34	13.80*	1480	2.7					
	59	116	23.56	2230	1.0	DRCP01 MX80N4	33	DRCP01 80B5/B14	8024	32
	71	97	19.83	2100	1.2	DRCF01 MX80N4	33	DRCF01 80B5/B14	8024	32
	78	88	17.86	2030	1.0	DRCZ01 MX80N4	33	DRCZ01 80B5/B14	8024	32
	96	72	14.62	1900	1.7					
	101	68	13.80*	1860	1.3					
	118	58	11.90	1770	2.1					
	143	48	9.81	1660	2.5					
	153	45	9.17	1630	1.8					
	181	38	7.72	1540	2.1					
	246	28	5.69	1390	2.5					
	302	23	4.63	1290	3.1					
	366	18.8	3.82	1210	3.7					
	62	112	14.62	2200	1.1	DRCP01 MX90S6	33	DRCP01 90B5/B14	90S6	32
	76	91	11.90	2060	1.3	DRCF01 MX90S6	33	DRCF01 90B5/B14	90S6	32
	92	75	9.81	1930	1.6	DRCZ01 MX90S6	33	DRCZ01 90B5/B14	90S6	32
	98	70	9.17	1890	1.1					

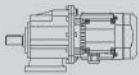
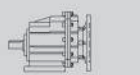
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0.75	117	59	7.72	1780	1.4	DRCP01 MX90S6	33	DRCP01 90B5/B14	90S6	32
	158	43	5.69	1610	1.6	DRCF01 MX90S6	33	DRCF01 90B5/B14	90S6	32
	194	35	4.63	1500	2.0	DRCZ01 MX90S6	33	DRCZ01 90B5/B14	90S6	32
	236	29	3.82	1410	2.4					
	52	133	54.00*	3880	1.5	DRCP02 MX80K2	36	DRCP02 80B5/B14	8012	35
	60	114	46.46*	3690	1.8	DRCF02 MX80K2	36	DRCF02 80B5/B14	8012	35
	69	100	40.60*	3530	2.0	DRCZ02 MX80K2	36	DRCZ02 80B5/B14	8012	35
	78	88	35.91*	3390	2.3					
	97	71	28.88*	3150	2.8					
	117	59	23.85*	2960	3.4					
	139	49	20.08*	2790	4.1					
	164	42	17.10	2650	3.3					
	30	228	46.46*	4500	0.88	DRCP02 MX80N4	36	DRCP02 80B5/B14	8024	35
	34	199	40.60*	4500	1.0	DRCF02 MX80N4	36	DRCF02 80B5/B14	8024	35
	39	176	35.91*	4270	1.1	DRCZ02 MX80N4	36	DRCZ02 80B5/B14	8024	35
	48	142	28.88*	3970	1.4					
	59	117	23.85*	3730	1.7					
	70	99	20.08*	3520	2.0					
	82	84	17.10	3330	1.7					
	95	73	14.81*	3180	2.7					
	106	65	13.21	3060	2.2					
	116	59	12.05	2970	3.4					
	141	49	9.93	2780	4.1					
	159	43	8.78	2670	2.8					
	189	36	7.39	2520	3.3					
	257	27	5.45	2280	3.7					
	38	182	23.85*	4320	1.1	DRCP02 MX90S6	36	DRCP02 90B5/B14	90S6	35
	45	153	20.08*	4080	1.3	DRCF02 MX90S6	36	DRCF02 90B5/B14	90S6	35
	61	113	14.81*	3680	1.8	DRCZ02 MX90S6	36	DRCZ02 90B5/B14	90S6	35
	68	101	13.21	3550	1.4					
	75	92	12.05	3440	2.2					
	91	76	9.93	3220	2.6					
	103	67	8.78	3090	1.8					
	122	56	7.39	2920	2.1					
	165	42	5.45	2640	2.4					
	48	143	58.09	5530	2.1	DRCP03 MX80K2	39	DRCP03 80B5/B14	8012	38
	56	123	50.02	5260	2.4	DRCF03 MX80K2	39	DRCF03 80B5/B14	8012	38
	64	107	43.75	5030	2.8	DRCZ03 MX80K2	39	DRCZ03 80B5/B14	8012	38
	72	95	38.73	4830	3.2					
	81	85	34.62	4650	3.5					
	24	285	58.09	6000	1.1	DRCP03 MX80N4	39	DRCP03 80B5/B14	8024	38
	28	246	50.02	6000	1.2	DRCF03 MX80N4	39	DRCF03 80B5/B14	8024	38
	32	215	43.75	6000	1.4	DRCZ03 MX80N4	39	DRCZ03 80B5/B14	8024	38
	36	190	38.73	6000	1.6					
	40	170	34.62	5860	1.8					
	49	139	28.30	5480	2.2					
	64	107	21.78	5020	2.6					
	81	85	17.33	4660	3.3					
	93	74	15.06	4440	3.5					
	23	296	38.73	6000	1.0	DRCP03 MX90S6	39	DRCP03 90B5/B14	90S6	38
	26	264	34.62	6000	1.1	DRCF03 MX90S6	39	DRCF03 90B5/B14	90S6	38
	32	216	28.30	6000	1.4	DRCZ03 MX90S6	39	DRCZ03 90B5/B14	90S6	38
	41	166	21.78	5820	1.7					
	52	132	17.33	5400	2.1					
	60	115	15.06	5150	2.3					

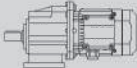
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0.75	73	95	12.37	4820	2.8	DRCP03 MX90S6	39	DRCP03 90B5/B14	90S6	38
	88	79	10.28	4530	3.1	DRCF03 MX90S6	39	DRCF03 90B5/B14	90S6	38
	113	61	7.93*	4160	3.0	DRCZ03 MX90S6	39	DRCZ03 90B5/B14	90S6	38
	143	48	6.31	3850	3.7					
	164	42	5.48	3670	3.6					
	24	285	58.09	8000	1.8	DRCP04 MX80N4	42	DRCP04 80B5/B14	8024	41
	28	246	50.02	8000	2.0	DRCF04 MX80N4	42	DRCF04 80B5/B14	8024	41
	32	215	43.75	8000	2.3	DRCZ04 MX80N4	42	DRCZ04 80B5/B14	8024	41
	36	190	38.73	8000	2.6					
	40	170	34.62	7950	2.9					
	49	139	28.30	7430	3.6					
	64	107	21.78	6810	4.5					
	15.5	444	58.09	8000	1.1	DRCP04 MX90S6	42	DRCP04 90B5/B14	90S6	41
	18.0	382	50.02	8000	1.3	DRCF04 MX90S6	42	DRCF04 90B5/B14	90S6	41
	21	334	43.75	8000	1.5	DRCZ04 MX90S6	42	DRCZ04 90B5/B14	90S6	41
	23	296	38.73	8000	1.7					
	26	264	34.62	8000	1.9					
	32	216	28.30	8000	2.3					
	41	166	21.78	7890	2.9					
	52	132	17.33	7310	3.6					
1.1	98	103	28.50	1880	1.2	DRCP01 MX80N2	33	DRCP01 80B5/B14	8022	32
	119	85	23.56	1770	1.4	DRCF01 MX80N2	33	DRCF01 80B5/B14	8022	32
	141	71	19.83	1670	1.7	DRCZ01 MX80N2	33	DRCZ01 80B5/B14	8022	32
	157	64	17.86	1610	1.4					
	192	53	14.62	1510	2.3					
	203	50	13.80*	1480	1.8					
	235	43	11.90	1410	2.8					
	285	35	9.81	1320	3.4					
	305	33	9.17	1290	2.4					
	363	28	7.72	1220	2.9					
	492	20	5.69	1100	3.4					
	605	16.7	4.63	1030	4.2					
	733	13.8	3.82	960	5.1					
	96	105	14.62	1900	1.1	DRCP01 MX90S4	33	DRCP01 90B5/B14	90S4	32
	118	86	11.90	1770	1.4	DRCF01 MX90S4	33	DRCF01 90B5/B14	90S4	32
	143	71	9.81	1660	1.7	DRCZ01 MX90S4	33	DRCZ01 90B5/B14	90S4	32
	153	66	9.17	1630	1.2					
	181	56	7.72	1540	1.4					
	246	41	5.69	1390	1.7					
	302	33	4.63	1290	2.1					
	366	28	3.82	1210	2.5					
	92	110	9.81	1930	1.1	DRCP01 MX90L6	33	DRCP01 90B5/B14	90L6	32
	117	87	7.72	1780	0.92	DRCF01 MX90L6	33	DRCF01 90B5/B14	90L6	32
	158	64	5.69	1610	1.1	DRCZ01 MX90L6	33	DRCZ01 90B5/B14	90L6	32
	194	52	4.63	1500	1.3					
	236	43	3.82	1410	1.6					
	52	194	54.00*	3880	1.0	DRCP02 MX80N2	36	DRCP02 80B5/B14	8022	35
	60	167	46.46*	3690	1.2	DRCF02 MX80N2	36	DRCF02 80B5/B14	8022	35
	69	146	40.60*	3530	1.4	DRCZ02 MX80N2	36	DRCZ02 80B5/B14	8022	35
	78	129	35.91*	3390	1.5					
	97	104	28.88*	3150	1.9					
	117	86	23.85*	2960	2.3					
	139	72	20.08*	2790	2.8					
	164	62	17.10	2650	2.3					
	189	53	14.81*	2520	3.7					
	212	48	13.21	2430	2.9					

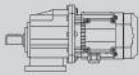
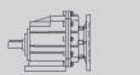
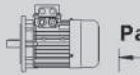
P _{1n} [kW]	n ₂ [r/min]	M _{2n} [Nm]	i	F _{r2} [N]	f _s		Page			Page
1.1	48	208	28.88*	3970	0.96	DRCP02 MX90S4	36	DRCP02 90B5/B14	90S4	35
	59	172	23.85*	3730	1.2	DRCF02 MX90S4	36	DRCF02 90B5/B14	90S4	35
	70	145	20.08*	3520	1.4	DRCZ02 MX90S4	36	DRCZ02 90B5/B14	90S4	35
	95	107	14.81*	3180	1.9					
	106	95	13.21	3060	1.5					
	116	87	12.05	2970	2.3					
	141	72	9.93	2780	2.8					
	159	63	8.78	2670	1.9					
	189	53	7.39	2520	2.3					
	257	39	5.45	2280	2.5					
	316	32	4.43	2120	3.1					
	383	26	3.66	1990	3.0					
	61	166	14.81*	3680	1.2	DRCP02 MX90L6	36	DRCP02 90B5/B14	90L6	35
	75	135	12.05	3440	1.5	DRCF02 MX90L6	36	DRCF02 90B5/B14	90L6	35
	91	111	9.93	3220	1.8	DRCZ02 MX90L6	36	DRCZ02 90B5/B14	90L6	35
	103	98	8.78	3090	1.2					
	122	83	7.39	2920	1.4					
	165	61	5.45	2640	1.6					
	203	50	4.43	2460	2.0					
	246	41	3.66	2310	2.0					
	48	209	58.09	5530	1.4	DRCP03 MX80N2	39	DRCP03 80B5/B14	8022	38
	56	180	50.02	5260	1.7	DRCF03 MX80N2	39	DRCF03 80B5/B14	8022	38
	64	158	43.75	5030	1.9	DRCZ03 MX80N2	39	DRCZ03 80B5/B14	8022	38
	72	139	38.73	4830	2.2					
	81	125	34.62	4650	2.4					
	99	102	28.30	4350	2.9					
	129	78	21.78	3990	3.6					
	32	315	43.75	6000	0.95	DRCP03 MX90S4	39	DRCP03 90B5/B14	90S4	38
	36	279	38.73	6000	1.1	DRCF03 MX90S4	39	DRCF03 90B5/B14	90S4	38
	40	249	34.62	5860	1.2	DRCZ03 MX90S4	39	DRCZ03 90B5/B14	90S4	38
	49	204	28.30	5480	1.5					
	64	157	21.78	5020	1.8					
	81	125	17.33	4660	2.2					
	93	108	15.06	4440	2.4					
	113	89	12.37	4160	2.9					
	136	74	10.28	3910	3.2					
	177	57	7.93*	3590	3.2					
	222	45	6.31	3320	4.0					
	255	39	5.48	3170	3.8					
	311	32	4.50	2970	4.6					
	374	27	3.74	2790	5.6					
	32	317	28.30	6000	0.95	DRCP03 MX90L6	39	DRCP03 90B5/B14	90L6	38
	41	244	21.78	5820	1.1	DRCF03 MX90L6	39	DRCF03 90B5/B14	90L6	38
	52	194	17.33	5400	1.4	DRCZ03 MX90L6	39	DRCZ03 90B5/B14	90L6	38
	60	169	15.06	5150	1.5					
	73	139	12.37	4820	1.9					
	88	115	10.28	4530	2.1					
	113	89	7.93*	4160	2.0					
	143	71	6.31	3850	2.5					
	164	61	5.48	3670	2.4					
	200	50	4.50	3440	3.0					
	241	42	3.74	3230	3.6					
	48	209	58.09	7500	2.4	DRCP04 MX80N2	42	DRCP04 80B5/B14	8022	41
	56	180	50.02	7130	2.8	DRCF04 MX80N2	42	DRCF04 80B5/B14	8022	41
	64	158	43.75	6820	3.2	DRCZ04 MX80N2	42	DRCZ04 80B5/B14	8022	41
	72	139	38.73	6550	3.6					
	81	125	34.62	6310	4.0					

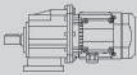
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1.1	24	418	58.09	8000	1.2	DRCP04 MX90S4	42	DRCP04 90B5/B14	90S4	41
	28	360	50.02	8000	1.4	DRCF04 MX90S4	42	DRCF04 90B5/B14	90S4	41
	32	315	43.75	8000	1.6	DRCZ04 MX90S4	42	DRCZ04 90B5/B14	90S4	41
	36	279	38.73	8000	1.8					
	40	249	34.62	7950	2.0					
	49	204	28.30	7430	2.5					
	64	157	21.78	6810	3.1					
	81	125	17.33	6310	3.8					
	93	108	15.06	6020	4.2					
	21	490	43.75	8000	1.0	DRCP04 MX90L6	42	DRCP04 90B5/B14	90L6	41
	23	434	38.73	8000	1.2	DRCF04 MX90L6	42	DRCF04 90B5/B14	90L6	41
	26	388	34.62	8000	1.3	DRCZ04 MX90L6	42	DRCZ04 90B5/B14	90L6	41
	32	317	28.30	8000	1.6					
	41	244	21.78	7890	2.0					
	52	194	17.33	7310	2.5					
	60	169	15.06	6980	2.7					
	73	139	12.37	6540	3.3					
	88	115	10.28	6150	3.8					
	113	89	7.93*	5640	2.9					
	143	71	6.31	5220	3.7					
	164	61	5.48	4980	3.7					
	24	418	58.09	8000	1.2	DRCP05 MX90S4	45	DRCP05 90B5/B14	90S4	44
	28	360	50.02	8000	1.4	DRCF05 MX90S4	45	DRCF05 90B5/B14	90S4	44
	32	315	43.75	8000	1.6	DRCZ05 MX90S4	45	DRCZ05 90B5/B14	90S4	44
	36	279	38.73	8000	1.8					
	40	249	34.62	7950	2.0	<i>Albero in uscita Ø 40</i>		<i>Albero in uscita Ø 40</i>		
	49	204	28.30	7430	2.5	<i>Ouput shaft Ø 40</i>		<i>Ouput shaft Ø 40</i>		
	64	157	21.78	6810	3.1					
	81	125	17.33	6310	3.8					
	93	108	15.06	6020	4.2					
	21	490	43.75	8000	1.0	DRCP05 MX90L6	45	DRCP05 90B5/B14	90L6	44
	23	434	38.73	8000	1.2	DRCF05 MX90L6	45	DRCF05 90B5/B14	90L6	44
	26	388	34.62	8000	1.3	DRCZ05 MX90L6	45	DRCZ05 90B5/B14	90L6	44
	32	317	28.30	8000	1.6					
	41	244	21.78	7890	2.0	<i>Albero in uscita Ø 40</i>		<i>Albero in uscita Ø 40</i>		
	52	194	17.33	7310	2.5	<i>Ouput shaft Ø 40</i>		<i>Ouput shaft Ø 40</i>		
	60	169	15.06	6980	2.7					
	73	139	12.37	6540	3.3					
	88	115	10.28	6150	3.8					
	113	89	7.93*	5640	2.9					
	143	71	6.31	5220	3.7					
	164	61	5.48	4980	3.7					
1.5	119	116	23.56	1770	1.0	DRCP01 MX90S2	33	DRCP01 90B5/B14	90S2	32
	141	97	19.83	1670	1.2	DRCF01 MX90S2	33	DRCF01 90B5/B14	90S2	32
	192	72	14.62	1510	1.7	DRCZ01 MX90S2	33	DRCZ01 90B5/B14	90S2	32
	203	68	13.80*	1480	1.3					
	235	58	11.90	1410	2.1					
	285	48	9.81	1320	2.5					
	305	45	9.17	1290	1.8					
	363	38	7.72	1220	2.1					
	492	28	5.69	1100	2.5					
	605	23	4.63	1030	3.1					
	733	18.8	3.82	960	3.7					

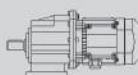
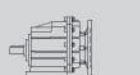
P _{1n} [kW]	n ₂ [r/min]	M _{2n} [Nm]	i	F _{r2} [N]	f _s		Page			Page
1.5	118	117	11.90	1770	1.0	DRCP01 MX90L4	33	DRCP01 90B5/B14	90L4	32
	143	96	9.81	1660	1.2		33			32
	153	90	9.17	1630	0.89		33			32
	181	76	7.72	1540	1.1					
	246	56	5.69	1390	1.3					
	302	45	4.63	1290	1.5					
	366	38	3.82	1210	1.9					
	69	199	40.60*	3530	1.0	DRCP02 MX90S2	36	DRCP02 90B5/B14	90S2	35
	78	176	35.91*	3390	1.1		36			35
	97	142	28.88*	3150	1.4		36			35
	117	117	23.85*	2960	1.7					
	139	99	20.08*	2790	2.0					
	189	73	14.81*	2520	2.7					
	212	65	13.21	2430	2.2					
	232	59	12.05	2350	3.4					
	282	49	9.93	2210	4.1					
	319	43	8.78	2120	2.8					
	379	36	7.39	2000	3.3					
	514	27	5.45	1810	3.7					
	95	145	14.81*	3180	1.4	DRCP02 MX90L4	36	DRCP02 90B5/B14	90L4	35
	116	118	12.05	2970	1.7		36			35
	141	98	9.93	2780	2.1		36			35
	159	86	8.78	2670	1.4					
	189	73	7.39	2520	1.7					
	257	54	5.45	2280	1.9					
	316	44	4.43	2120	2.3					
	383	36	3.66	1990	2.2					
	48	285	58.09	5530	1.1	DRCP03 MX90S2	39	DRCP03 90B5/B14	90S2	38
	56	246	50.02	5260	1.2		39			38
	64	215	43.75	5030	1.4		39			38
	72	190	38.73	4830	1.6					
	81	170	34.62	4650	1.8					
	99	139	28.30	4350	2.2					
	129	107	21.78	3990	2.6					
	162	85	17.33	3690	3.3					
	186	74	15.06	3530	3.5					
	40	340	34.62	5860	0.88	DRCP03 MX90L4	39	DRCP03 90B5/B14	90L4	38
	49	278	28.30	5480	1.1		39			38
	64	214	21.78	5020	1.3		39			38
	81	170	17.33	4660	1.6					
	93	148	15.06	4440	1.8					
	113	122	12.37	4160	2.1					
	136	101	10.28	3910	2.4					
	177	78	7.93*	3590	2.3					
	222	62	6.31	3320	2.9					
	255	54	5.48	3170	2.8					
	311	44	4.50	2970	3.4					
	374	37	3.74	2790	4.1					
	52	265	17.33	5400	1.1	DRCP03 MX100M6	39	DRCP03 100B5/B14	100L6	38
	60	230	15.06	5150	1.1		39			38
	73	189	12.37	4820	1.4		39			38
	88	157	10.28	4530	1.5					
	113	121	7.93*	4160	1.5					
	143	96	6.31	3850	1.9					
	164	84	5.48	3670	1.8					
	200	69	4.50	3440	2.2					
	241	57	3.74	3230	2.6					

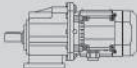
P _{1n} [kW]	n ₂ [r/min]	M _{2n} [Nm]	i	F _{r2} [N]	f _s		Page			Page
1.5	48	285	58.09	7500	1.8	DRCP04 MX90S2	42	DRCP04 90B5/B14 90S2	90S2	41
	56	246	50.02	7130	2.0	DRCF04 MX90S2	42	DRCF04 90B5/B14 90S2	90S2	41
	64	215	43.75	6820	2.3	DRCZ04 MX90S2	42	DRCZ04 90B5/B14 90S2	90S2	41
	72	190	38.73	6550	2.6					
	81	170	34.62	6310	2.9					
	99	139	28.30	5900	3.6					
	24	571	58.09	8000	0.88	DRCP04 MX90L4	42	DRCP04 90B5/B14 90L4	90L4	41
	28	491	50.02	8000	1.0	DRCF04 MX90L4	42	DRCF04 90B5/B14 90L4	90L4	41
	32	430	43.75	8000	1.2	DRCZ04 MX90L4	42	DRCZ04 90B5/B14 90L4	90L4	41
	36	380	38.73	8000	1.3					
	40	340	34.62	7950	1.5					
	49	278	28.30	7430	1.8					
	64	214	21.78	6810	2.2					
	81	170	17.33	6310	2.8					
	93	148	15.06	6020	3.1					
	113	122	12.37	5640	3.8					
	136	101	10.28	5300	4.4					
	177	78	7.93*	4860	3.3					
	222	62	6.31	4510	4.2					
	255	54	5.48	4300	4.3					
	26	529	34.62	8000	0.95	DRCP04 MX100M6	42	DRCP04 100B5/B14 100L6	100L6	41
	32	432	28.30	8000	1.2	DRCF04 MX100M6	42	DRCF04 100B5/B14 100L6	100L6	41
	41	333	21.78	7890	1.4	DRCZ04 MX100M6	42	DRCZ04 100B5/B14 100L6	100L6	41
	52	265	17.33	7310	1.8					
	60	230	15.06	6980	2.0					
	73	189	12.37	6540	2.4					
	88	157	10.28	6150	2.8					
	113	121	7.93*	5640	2.1					
	143	96	6.31	5220	2.7					
	164	84	5.48	4980	2.7					
	200	69	4.50	4660	3.3					
	241	57	3.74	4390	3.5					
	48	285	58.09	7500	1.8	DRCP05 MX90S2	45	DRCP05 90B5/B14 90S2	90S2	44
	56	246	50.02	7130	2.0	DRCF05 MX90S2	45	DRCF05 90B5/B14 90S2	90S2	44
	64	215	43.75	6820	2.3	DRCZ05 MX90S2	45	DRCZ05 90B5/B14 90S2	90S2	44
	72	190	38.73	6550	2.6					
	81	170	34.62	6310	2.9	<i>Albero in uscita Ø 40</i>		<i>Albero in uscita Ø 40</i>		
	99	139	28.30	5900	3.6	<i>Ouput shaft Ø 40</i>		<i>Ouput shaft Ø 40</i>		
	24	571	58.09	8000	0.88	DRCP05 MX90L4	45	DRCP05 90B5/B14 90L4	90L4	44
	28	491	50.02	8000	1.0	DRCF05 MX90L4	45	DRCF05 90B5/B14 90L4	90L4	44
	32	430	43.75	8000	1.2	DRCZ05 MX90L4	45	DRCZ05 90B5/B14 90L4	90L4	44
	36	380	38.73	8000	1.3					
	40	340	34.62	7950	1.5	<i>Albero in uscita Ø 40</i>		<i>Albero in uscita Ø 40</i>		
	49	278	28.30	7430	1.8	<i>Ouput shaft Ø 40</i>		<i>Ouput shaft Ø 40</i>		
	64	214	21.78	6810	2.2					
	81	170	17.33	6310	2.8					
	93	148	15.06	6020	3.1					
	113	122	12.37	5640	3.8					
	136	101	10.28	5300	4.4					
	177	78	7.93*	4860	3.3					
	222	62	6.31	4510	4.2					
	255	54	5.48	4300	4.3					

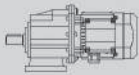
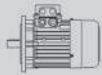
P _{1n} [kW]	n ₂ [r/min]	M _{2n} [Nm]	i	F _{r2} [N]	f _s		Page			Page
1.5	26	529	34.62	8000	0.95	DRCP05 MX100M6	45	DRCP05 100B5/B14	100L6	44
	32	432	28.30	8000	1.2	DRCF05 MX100M6	45	DRCF05 100B5/B14	100L6	44
	41	333	21.78	7890	1.4	DRCZ05 MX100M6	45	DRCZ05 100B5/B14	100L6	44
	52	265	17.33	7310	1.8	<i>Albero in uscita Ø 40</i> <i>Ouput shaft Ø 40</i>		<i>Albero in uscita Ø 40</i> <i>Ouput shaft Ø 40</i>		
	60	230	15.06	6980	2.0					
	73	189	12.37	6540	2.4					
	88	157	10.28	6150	2.8					
	113	121	7.93*	5640	2.1					
	143	96	6.31	5220	2.7					
	164	84	5.48	4980	2.7					
	200	69	4.50	4660	3.3					
	241	57	3.74	4390	3.5					
2.2	97	208	28.88*	3150	0.96	DRCP02 MX90L2	36	DRCP02 90B5/B14	90L2	35
	117	172	23.85*	2960	1.2	DRCF02 MX90L2	36	DRCF02 90B5/B14	90L2	35
	139	145	20.08*	2790	1.4	DRCZ02 MX90L2	36	DRCZ02 90B5/B14	90L2	35
	189	107	14.81*	2520	1.9					
	212	95	13.21	2430	1.5					
	232	87	12.05	2350	2.3					
	282	72	9.93	2210	2.8					
	319	63	8.78	2120	1.9					
	379	53	7.39	2000	2.3					
	514	39	5.45	1810	2.5					
	632	32	4.43	1680	3.1					
	765	26	3.66	1580	3.0					
	64	315	43.75	5030	0.95	DRCP03 MX90L2	39	DRCP03 90B5/B14	90L2	38
	72	279	38.73	4830	1.1	DRCF03 MX90L2	39	DRCF03 90B5/B14	90L2	38
	81	249	34.62	4650	1.2	DRCZ03 MX90L2	39	DRCZ03 90B5/B14	90L2	38
	99	204	28.30	4350	1.5					
	129	157	21.78	3990	1.8					
	162	125	17.33	3690	2.2					
	186	108	15.06	3530	2.4					
	226	89	12.37	3300	2.9					
	272	74	10.28	3100	3.2					
	353	57	7.93*	2850	3.2					
	444	45	6.31	2640	4.0					
	511	39	5.48	2520	3.8					
	64	314	21.78	5020	0.89	DRCP03 MX100M4	39	DRCP03 100B5/B14	100LA4	38
	81	250	17.33	4660	1.1	DRCF03 MX100M4	39	DRCF03 100B5/B14	100LA4	38
	93	217	15.06	4440	1.2	DRCZ03 MX100M4	39	DRCZ03 100B5/B14	100LA4	38
	113	178	12.37	4160	1.5					
	136	148	10.28	3910	1.6					
	177	114	7.93*	3590	1.6					
	222	91	6.31	3320	2.0					
	255	79	5.48	3170	1.9					
	311	65	4.50	2970	2.3					
	374	54	3.74	2790	2.8					
	73	277	12.37	4820	0.94	DRCP03 MX112M6	39	DRCP03 112B5/B14	112M6	38
	88	230	10.28	4530	1.0	DRCF03 MX112M6	39	DRCF03 112B5/B14	112M6	38
	113	178	7.93*	4160	1.0	DRCZ03 MX112M6	39	DRCZ03 112B5/B14	112M6	38
	143	141	6.31	3850	1.3					
	164	123	5.48	3670	1.2					
	200	101	4.50	3440	1.5					
	241	84	3.74	3230	1.8					
	48	418	58.09	7500	1.2	DRCP04 MX90L2	42	DRCP04 90B5/B14	90L2	41
	56	360	50.02	7130	1.4	DRCF04 MX90L2	42	DRCF04 90B5/B14	90L2	41
	64	315	43.75	6820	1.6	DRCZ04 MX90L2	42	DRCZ04 90B5/B14	90L2	41

P _{1n} [kW]	n ₂ [r/min]	M _{2n} [Nm]	i	F _{r2} [N]	f _s		Page			Page
2.2	72	279	38.73	6550	1.8	DRCP04 MX90L2	42	DRCP04 90B5/B14	90L2	41
	81	249	34.62	6310	2.0	DRCF04 MX90L2	42	DRCF04 90B5/B14	90L2	41
	99	204	28.30	5900	2.5	DRCZ04 MX90L2	42	DRCZ04 90B5/B14	90L2	41
	129	157	21.78	5410	3.1					
	162	125	17.33	5010	3.8					
	40	499	34.62	7950	1.0	DRCP04 MX100M4	42	DRCP04 100B5/B14	100LA4	41
	49	408	28.30	7430	1.2	DRCF04 MX100M4	42	DRCF04 100B5/B14	100LA4	41
	64	314	21.78	6810	1.5	DRCZ04 MX100M4	42	DRCZ04 100B5/B14	100LA4	41
	81	250	17.33	6310	1.9					
	93	217	15.06	6020	2.1					
	113	178	12.37	5640	2.6					
	136	148	10.28	5300	3.0					
	177	114	7.93*	4860	2.3					
	222	91	6.31	4510	2.9					
	255	79	5.48	4300	2.9					
	311	65	4.50	4030	3.5					
	374	54	3.74	3780	3.7					
	41	488	21.78	7890	1.0	DRCP04 MX112M6	42	DRCP04 112B5/B14	112M6	41
	52	388	17.33	7310	1.2	DRCF04 MX112M6	42	DRCF04 112B5/B14	112M6	41
	60	338	15.06	6980	1.4	DRCZ04 MX112M6	42	DRCZ04 112B5/B14	112M6	41
	73	277	12.37	6540	1.7					
	88	230	10.28	6150	1.9					
	113	178	7.93*	5640	1.5					
	143	141	6.31	5220	1.8					
	164	123	5.48	4980	1.9					
	200	101	4.50	4660	2.3					
	241	84	3.74	4390	2.4					
	72	279	38.73	6550	1.8	DRCP05 MX90L2	45	DRCP05 90B5/B14	90L2	44
	81	249	34.62	6310	2.0	DRCF05 MX90L2	45	DRCF05 90B5/B14	90L2	44
	99	204	28.30	5900	2.5	DRCZ05 MX90L2	45	DRCZ05 90B5/B14	90L2	44
	129	157	21.78	5410	3.1	Albero in uscita Ø 40		Albero in uscita Ø 40		
	162	125	17.33	5010	3.8	Ouput shaft Ø 40		Ouput shaft Ø 40		
	40	499	34.62	7950	1.0	DRCP05 MX100M4	45	DRCP05 100B5/B14	100LA4	44
	49	408	28.30	7430	1.2	DRCF05 MX100M4	45	DRCF05 100B5/B14	100LA4	44
	64	314	21.78	6810	1.5	DRCZ05 MX100M4	45	DRCZ05 100B5/B14	100LA4	44
	81	250	17.33	6310	1.9					
	93	217	15.06	6020	2.1	Albero in uscita Ø 40		Albero in uscita Ø 40		
	113	178	12.37	5640	2.6	Ouput shaft Ø 40		Ouput shaft Ø 40		
	136	148	10.28	5300	3.0					
	177	114	7.93*	4860	2.3					
	222	91	6.31	4510	2.9					
	255	79	5.48	4300	2.9					
	311	65	4.50	4030	3.5					
	374	54	3.74	3780	3.7					
	41	488	21.78	7890	1.0	DRCP05 MX112M6	45	DRCP05 112B5/B14	112M6	44
	52	388	17.33	7310	1.2	DRCF05 MX112M6	45	DRCF05 112B5/B14	112M6	44
	60	338	15.06	6980	1.4	DRCZ05 MX112M6	45	DRCZ05 112B5/B14	112M6	44
	73	277	12.37	6540	1.7					
	88	230	10.28	6150	1.9	Albero in uscita Ø 40		Albero in uscita Ø 40		
	113	178	7.93*	5640	1.5	Ouput shaft Ø 40		Ouput shaft Ø 40		
	143	141	6.31	5220	1.8					
	164	123	5.48	4980	1.9					
	200	101	4.50	4660	2.3					
	241	84	3.74	4390	2.4					

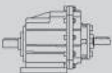
P_{1n} [kW]	n_2 [r/min]	M_{2n} [Nm]	i	F_{r2} [N]	f_s		Page			Page
3.0	99	278	28.30	4350	1.1	DRCP03 MX100M2 DRCF03 MX100M2 DRCZ03 MX100M2	39	DRCP03 100B5/B14 DRCF03 100B5/B14 DRCZ03 100B5/B14	100L2	38
	129	214	21.78	3990	1.3		39			38
	162	170	17.33	3690	1.6		39			38
	186	148	15.06	3530	1.8					
	226	122	12.37	3300	2.1					
	272	101	10.28	3100	2.4					
	353	78	7.93*	2850	2.3					
	444	62	6.31	2640	2.9					
	511	54	5.48	2520	2.8					
	622	44	4.50	2350	3.4					
	749	37	3.74	2210	4.1					
	93	296	15.06	4440	0.88	DRCP03 MX100L4 DRCF03 MX100L4 DRCZ03 MX100L4	39	DRCP03 100B5/B14 DRCF03 100B5/B14 DRCZ03 100B5/B14	100LB4	38
	113	243	12.37	4160	1.1		39			38
	136	202	10.28	3910	1.2		39			38
	177	156	7.93*	3590	1.2					
	222	124	6.31	3320	1.5					
	255	108	5.48	3170	1.4					
	311	88	4.50	2970	1.7					
	374	73	3.74	2790	2.0					
	81	340	34.62	6310	1.5	DRCP04 MX100M2 DRCF04 MX100M2 DRCZ04 MX100M2	42	DRCP04 100B5/B14 DRCF04 100B5/B14 DRCZ04 100B5/B14	100L2	41
	99	278	28.30	5900	1.8		42			41
	129	214	21.78	5410	2.2		42			41
	162	170	17.33	5010	2.8					
	186	148	15.06	4780	3.1					
	226	122	12.37	4480	3.8					
	272	101	10.28	4210	4.4					
	353	78	7.93*	3860	3.3					
	444	62	6.31	3580	4.2					

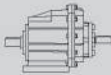
P _{1n} [kW]	n ₂ [r/min]	M _{2n} [Nm]	i	F _{r2} [N]	f _s		Page			Page		
3.0	49	556	28.30	7430	0.90	DRCP04 MX100L4 DRCF04 MX100L4 DRCZ04 MX100L4	42	DRCP04 100B5/B14 DRCF04 100B5/B14 DRCZ04 100B5/B14	100LB4	41		
	64	428	21.78	6810	1.1		42			41		
	81	340	17.33	6310	1.4		42			41		
	93	296	15.06	6020	1.6							
	113	243	12.37	5640	1.9							
	136	202	10.28	5300	2.2							
	177	156	7.93*	4860	1.7							
	222	124	6.31	4510	2.1							
	255	108	5.48	4300	2.1							
	311	88	4.50	4030	2.6							
	374	73	3.74	3780	2.7							
	49	556	28.30	7430	0.90	DRCP05 MX100M4 DRCF05 MX100M4 DRCZ05 MX100M4	45	DRCP05 100B5/B14 DRCF05 100B5/B14 DRCZ05 100B5/B14	100L2	44		
	64	428	21.78	6810	1.1		45			44		
	81	340	17.33	6310	1.4		45			44		
	93	296	15.06	6020	1.6							
	113	243	12.37	5640	1.9							
	136	202	10.28	5300	2.2							
	177	156	7.93*	4860	1.7							
	222	124	6.31	4510	2.1							
	255	108	5.48	4300	2.1							
	311	88	4.50	4030	2.6							
	374	73	3.74	3780	2.7							
						Albero in uscita Ø 40 Ouput shaft Ø 40		Albero in uscita Ø 40 Ouput shaft Ø 40				
	81	340	34.62	6310	1.5	DRCP05 MX100L2 DRCF05 MX100L2 DRCZ05 MX100L2	45	DRCP05 100B5/B14 DRCF05 100B5/B14 DRCZ05 100B5/B14	100LB4	44		
	99	278	28.30	5900	1.8		45			44		
	129	214	21.78	5410	2.2		45			44		
	162	170	17.33	5010	2.8							
	186	148	15.06	4780	3.1							
	226	122	12.37	4480	3.8							
	272	101	10.28	4210	4.4							
	353	78	7.93*	3860	3.3							
	444	62	6.31	3580	4.2							
							Albero in uscita Ø 40 Ouput shaft Ø 40			Albero in uscita Ø 40 Ouput shaft Ø 40		

P _{1n} [kW]	n ₂ [r/min]	M _{2n} [Nm]	i	F _{r2} [N]	f _s		Page			Page
4.0	162	227	17.33	3690	1.2	DRCP03 MX112M2	39	DRCP03 112B5/B14 112M2		38
	186	197	15.06	3530	1.3	DRCF03 MX112M2	39	DRCF03 112B5/B14 112M2		38
	226	162	12.37	3300	1.6	DRCZ03 MX112M2	39	DRCZ03 112B5/B14 112M2		38
	272	135	10.28	3100	1.8					
	353	104	7.93*	2850	1.7					
	444	83	6.31	2640	2.2					
	511	72	5.48	2520	2.1					
	622	59	4.50	2350	2.5					
	749	49	3.74	2210	3.1					
	136	269	10.28	3910	0.89	DRCP03 MX112M4	39	DRCP03 112B5/B14 112M4		38
	177	208	7.93*	3590	0.87	DRCF03 MX112M4	39	DRCF03 112B5/B14 112M4		38
	222	165	6.31	3320	1.1	DRCZ03 MX112M4	39	DRCZ03 112B5/B14 112M4		38
	255	144	5.48	3170	1.0					
	311	118	4.50	2970	1.3					
	374	98	3.74	2790	1.5					
	81	453	34.62	6310	1.1	DRCP04 MX112M2	42	DRCP04 112B5/B14 112M2		41
	99	371	28.30	5900	1.3	DRCF04 MX112M2	42	DRCF04 112B5/B14 112M2		41
	129	285	21.78	5410	1.7	DRCZ04 MX112M2	42	DRCZ04 112B5/B14 112M2		41
	162	227	17.33	5010	2.1					
	186	197	15.06	4780	2.3					
	226	162	12.37	4480	2.8					
	272	135	10.28	4210	3.3					
	353	104	7.93*	3860	2.5					
	444	83	6.31	3580	3.1					
	511	72	5.48	3410	3.2					
	622	59	4.50	3190	3.9					
	749	49	3.74	3000	4.1					
	81	454	17.33	6310	1.1	DRCP04 MX112M4	42	DRCP04 112B5/B14 112M4		41
	93	394	15.06	6020	1.2	DRCF04 MX112M4	42	DRCF04 112B5/B14 112M4		41
	113	324	12.37	5640	1.4	DRCZ04 MX112M4	42	DRCZ04 112B5/B14 112M4		41
	136	269	10.28	5300	1.6					
	177	208	7.93*	4860	1.3					
	222	165	6.31	4510	1.6					
	255	144	5.48	4300	1.6					
	311	118	4.50	4030	2.0					
	374	98	3.74	3780	2.0					

P _{1n} [kW]	n ₂ [r/min]	M _{2n} [Nm]	i	F _{r2} [N]	f _s		Page			Page
4.0	81	453	34.62	6310	1.1	DRCP05 MX112M2	45	DRCP05 112B5/B14 112M2		44
	99	371	28.30	5900	1.3	DRCF05 MX112M2	45	DRCF05 112B5/B14 112M2		44
	129	285	21.78	5410	1.7	DRCZ05 MX112M2	45	DRCZ05 112B5/B14 112M2		44
	162	227	17.33	5010	2.1	<i>Albero in uscita Ø 40 Output shaft Ø 40</i>		<i>Albero in uscita Ø 40 Output shaft Ø 40</i>		
	186	197	15.06	4780	2.3					
	226	162	12.37	4480	2.8					
	272	135	10.28	4210	3.3					
	353	104	7.93*	3860	2.5					
	444	83	6.31	3580	3.1					
	511	72	5.48	3410	3.2					
	622	59	4.50	3190	3.9					
	749	49	3.74	3000	4.1					
	81	454	17.33	6310	1.1	DRCP05 MX112M4	45	DRCP05 112B5/B14 112M4		44
	93	394	15.06	6020	1.2	DRCF05 MX112M4	45	DRCF05 112B5/B14 112M4		44
	113	324	12.37	5640	1.4	DRCZ05 MX112M4	45	DRCZ05 112B5/B14 112M4		44
	136	269	10.28	5300	1.6	<i>Albero in uscita Ø 40 Output shaft Ø 40</i>		<i>Albero in uscita Ø 40 Output shaft Ø 40</i>		
	177	208	7.93*	4860	1.3					
	222	165	6.31	4510	1.6					
	255	144	5.48	4300	1.6					
	311	118	4.50	4030	2.0					
	374	98	3.74	3780	2.0					

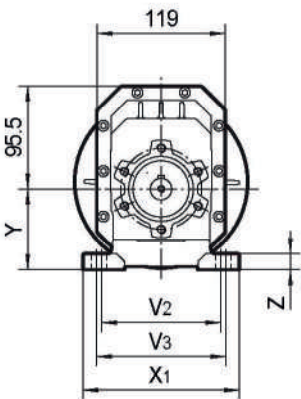
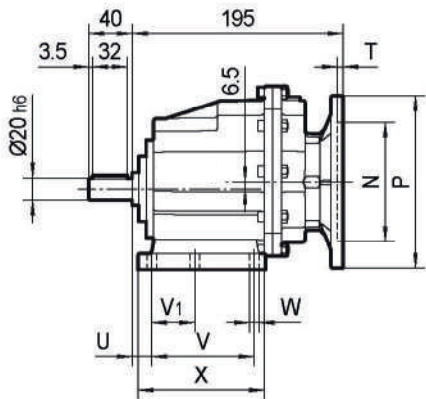
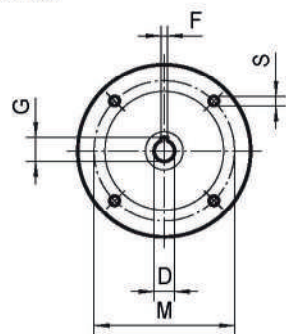
DRC..HS.. Prestazioni - DRC..HS.. Performance parameter

M _{2max} [Nm]	n ₂ [r/min]	i	P _{1n} [kW]	n ₁ [r/min]	F _{r2}	F _{r1}		Page
120	26.3	53.33	0.34	1400	2600	800	DRCP01-HS DRCF01-HS DRCZ01-HS	34
120	30.5	45.89	0.40	1400	2600	800		34
120	34.9	40.10	0.46	1400	2600	800		34
120	39.5	35.47	0.52	1400	2560	800		
120	49.1	28.50	0.64	1400	2380	800		
120	59.4	23.56	0.78	1400	2230	800		
120	70.6	19.83	0.92	1400	2100	800		
90	78.4	17.86	0.77	1400	2030	800		
120	95.8	14.62	1.25	1400	1900	800		
90	101	13.80	1.00	1400	1860	800		
120	118	11.90	1.54	1400	1770	800		
120	143	9.81	1.87	1400	1660	800		
80	153	9.17	1.33	1400	1630	800		
80	181	7.72	1.58	1400	1540	800		
70	246	5.69	1.88	1400	1390	800		
70	302	4.63	2.31	1400	1290	800		
70	366	3.82	2.80	1400	1210	800		
200	25.9	54.00	0.57	1400	4500	800	DRCP02-HS DRCF02-HS DRCZ02-HS	37
200	30.1	46.46	0.66	1400	4500	800		37
200	34.5	40.60	0.75	1400	4500	800		37
200	39.0	35.91	0.85	1400	4270	800		
200	48.5	28.88	1.06	1400	3970	800		
200	58.7	23.85	1.28	1400	3730	800		
200	69.7	20.08	1.52	1400	3520	800		
140	81.9	17.10	1.25	1400	3330	800		
200	94.5	14.81	2.06	1400	3180	800		
140	106	13.21	1.62	1400	3060	800		
200	116	12.05	2.53	1400	2970	800		
200	141	9.93	3.08	1400	2780	800		
120	159	8.78	2.09	1400	2670	800		
120	189	7.39	2.48	1400	2520	800		
100	257	5.45	2.80	1400	2280	800		
100	316	4.43	3.45	1400	2120	800		
80	383	3.66	3.34	1400	1990	800		
300	24.1	58.09	0.79	1400	6000	1200	DRCP03-HS DRCF03-HS DRCZ03-HS	40
300	28.0	50.02	0.92	1400	6000	1200		40
300	32.0	43.75	1.05	1400	6000	1200		40
300	36.1	38.73	1.18	1400	6000	1200		
300	40.4	34.62	1.32	1400	5860	1200		
300	49.5	28.30	1.62	1400	5480	1200		
280	64.3	21.78	1.96	1400	5020	1200		
280	81	17.33	2.47	1400	4660	1200		
260	93	15.06	2.64	1400	4440	1200		
260	113	12.37	3.21	1400	4160	1200		
240	136	10.28	3.57	1400	3910	1200		
180	177	7.93	3.47	1400	3590	1200		
180	222	6.31	4.36	1400	3320	1200		
150	255	5.48	4.18	1400	3170	1200		
150	311	4.50	5.09	1400	2970	1200		
150	374	3.74	6.12	1400	2790	1200		

M _{2max} [Nm]	n ₂ [r/min]	i	P _{1n} [kW]	n ₁ [r/min]	F _{r2}	F _{r1}		Page 
500	24.1	58.09	1.31	1400	8000	1200	DRCP04-HS DRCF04-HS DRCZ04-HS	43
500	28.0	50.02	1.53	1400	8000	1200		43
500	32.0	43.75	1.75	1400	8000	1200		43
500	36.1	38.73	1.97	1400	8000	1200		
500	40.4	34.62	2.21	1400	7950	1200		
500	49.5	28.30	2.70	1400	7430	1200		
480	64.3	21.78	3.37	1400	6810	1200		
480	81	17.33	4.23	1400	6310	1200		
460	93	15.06	4.66	1400	6020	1200		
460	113	12.37	5.68	1400	5640	1200		
440	136	10.28	6.54	1400	5300	1200		
260	177	7.93	5.01	1400	4860	1200		
260	222	6.31	6.29	1400	4510	1200		
230	255	5.48	6.41	1400	4300	1200		
230	311	4.50	7.80	1400	4030	1200		
200	374	3.74	8.17	1400	3780	1200		
500	24.1	58.09	1.31	1400	8000	1200	DRCP05-HS DRCF05-HS DRCZ05-HS	46
500	28.0	50.02	1.53	1400	8000	1200		46
500	32.0	43.75	1.75	1400	8000	1200		46
500	36.1	38.73	1.97	1400	8000	1200		
500	40.4	34.62	2.21	1400	7950	1200		
500	49.5	28.30	2.70	1400	7430	1200		
480	64.3	21.78	3.37	1400	6810	1200		
480	81	17.33	4.23	1400	6310	1200		
460	93	15.06	4.66	1400	6020	1200		
460	113	12.37	5.68	1400	5640	1200		
440	136	10.28	6.54	1400	5300	1200		
260	177	7.93	5.01	1400	4860	1200		
260	222	6.31	6.29	1400	4510	1200		
230	255	5.48	6.41	1400	4300	1200		
230	311	4.50	7.80	1400	4030	1200		
200	374	3.74	8.17	1400	3780	1200		

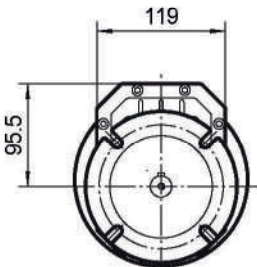
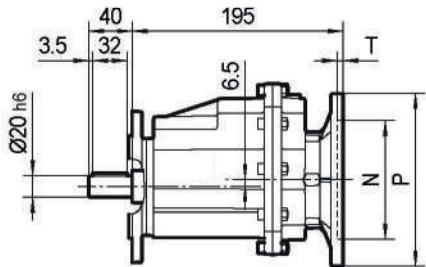
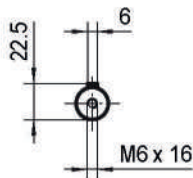
DRCP01..P(IEC)

INPUT



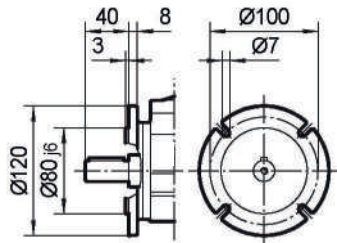
DRCF01..P(IEC)

OUTPUT



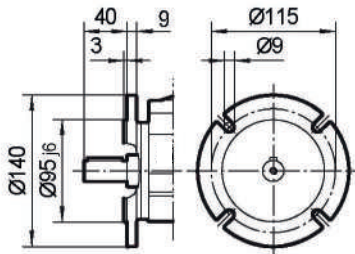
I

Ø120



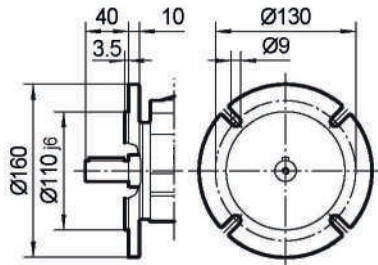
II

Ø140

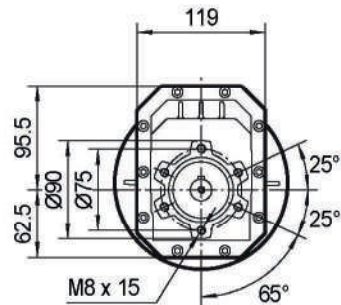
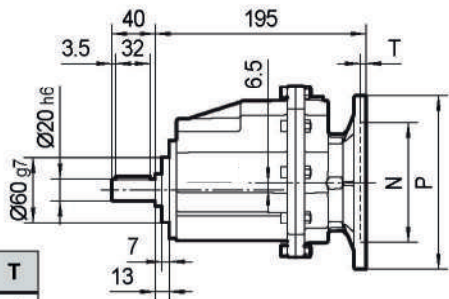


III

Ø160



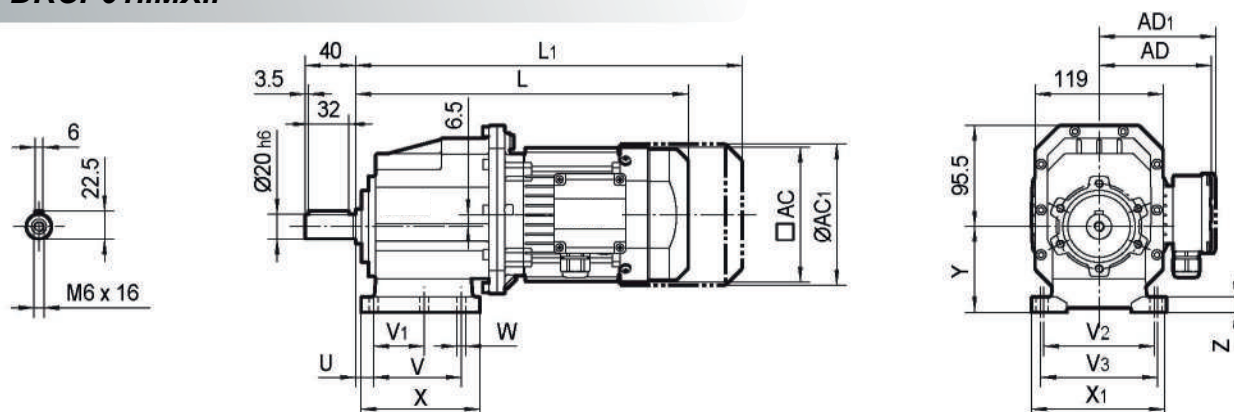
DRCZ01..P(IEC)



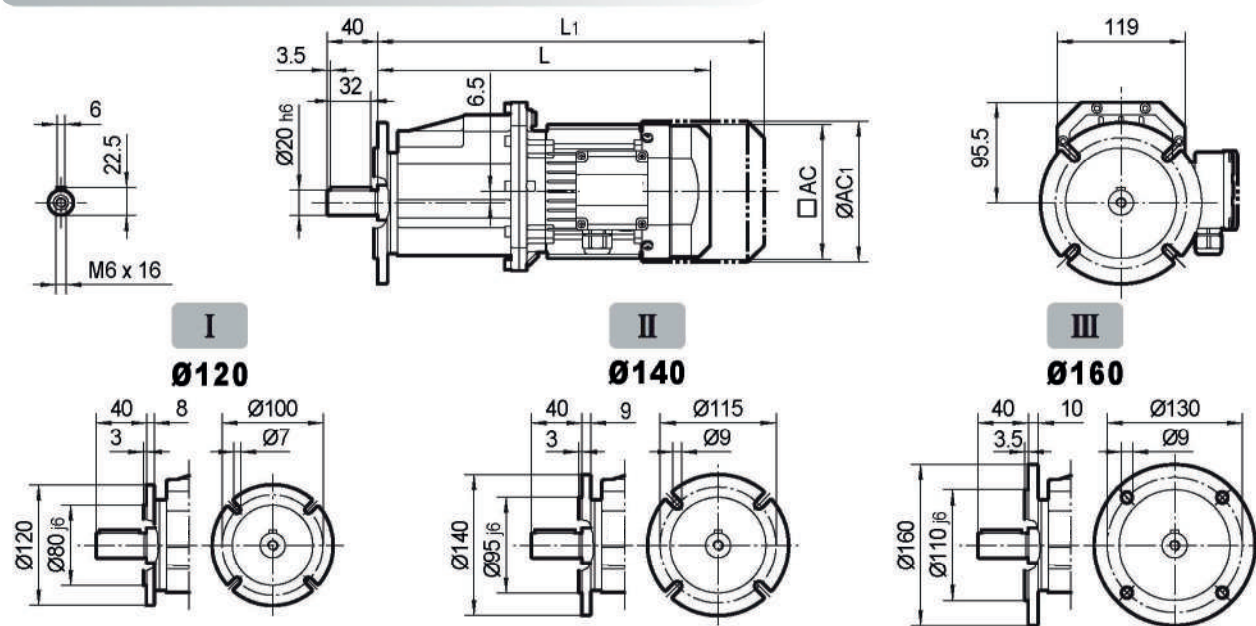
IEC	D _{E8}	F	G	P	M	N	S	T
P63B5	11	4	12.8	140	115	95	9	4
P71B5	14	5	16.3	160	130	110	9	4
P71B14	14	5	16.3	105	85	70	7	4
P80B5	19	6	21.8	200	165	130	11	4
P80B14	19	6	21.8	120	100	80	7	4
P90B5	24	8	27.3	200	165	130	11	4
P90B14	24	8	27.3	140	115	95	9	4

Foot Code	U	V	V ₁	V ₂	V ₃	W	X	X ₁	Y	Z
PB	18	87	50	110	—	9	118	130	85	15
PM	18	80	—	110	120	9	118	145	75	15
PS	18	50	—	—	110	9	90	132	75	13

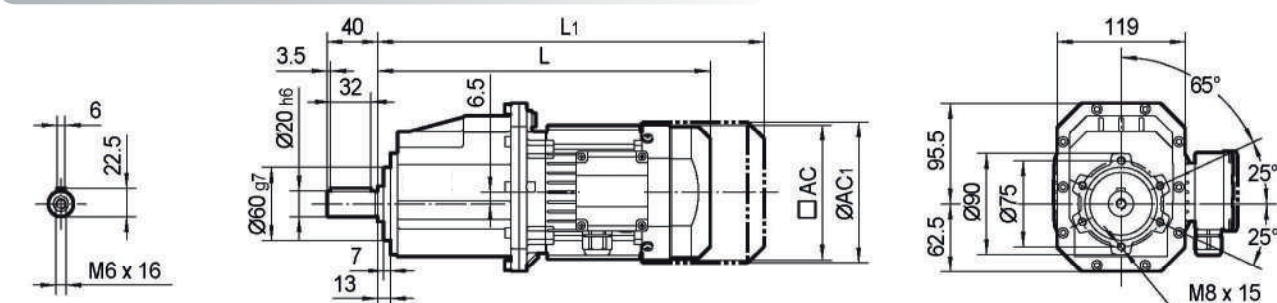
DRCP01..MX..



DRCF01..MX..



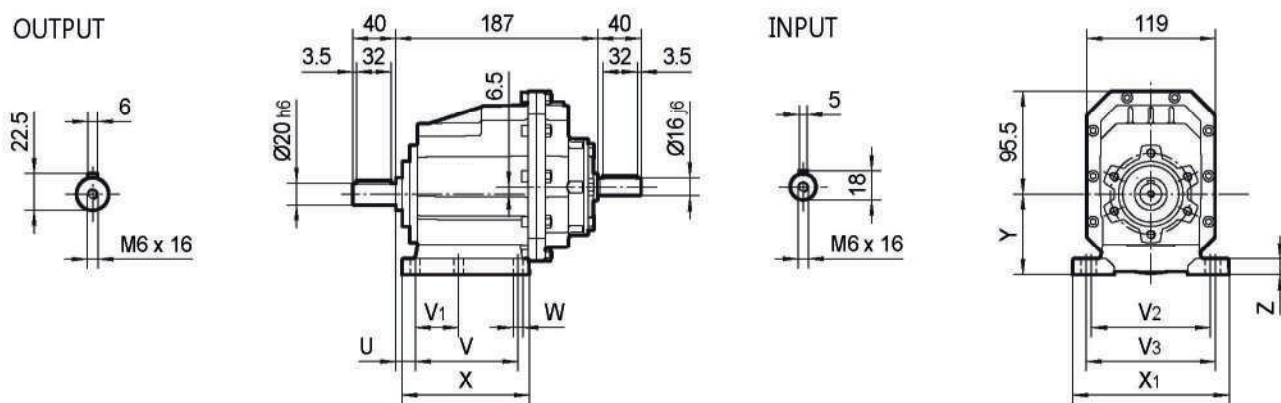
DRCZ01..MX..



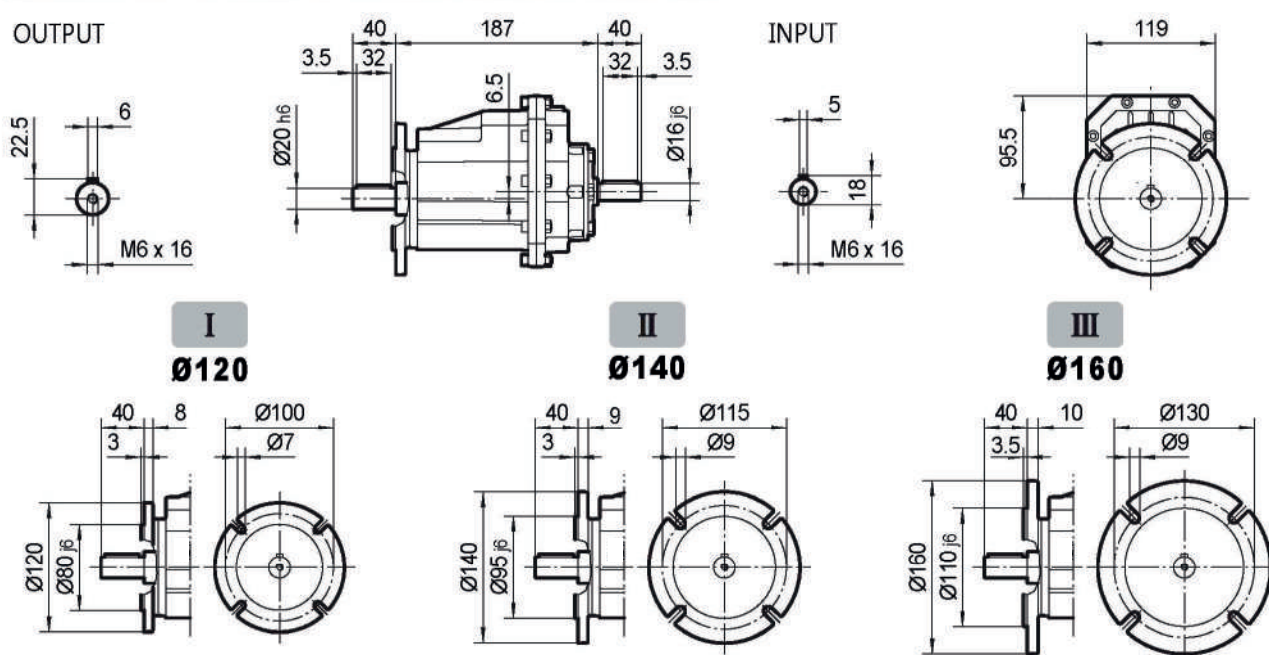
Motor Type	L	L1	AC	AC1	AD	AD1
MX63	305	360	132	132	105	105
MX71	320	384	134	148	122	127
MX80	355	419	134	148	122	127
MX90	386	471	182	203	154	161

Foot Code	U	V	V1	V2	V3	W	X	X1	Y	Z
PB	18	87	50	110	—	9	118	130	85	15
PM	18	80	—	110	120	9	118	145	75	15
PS	18	50	—	—	110	9	90	132	75	13

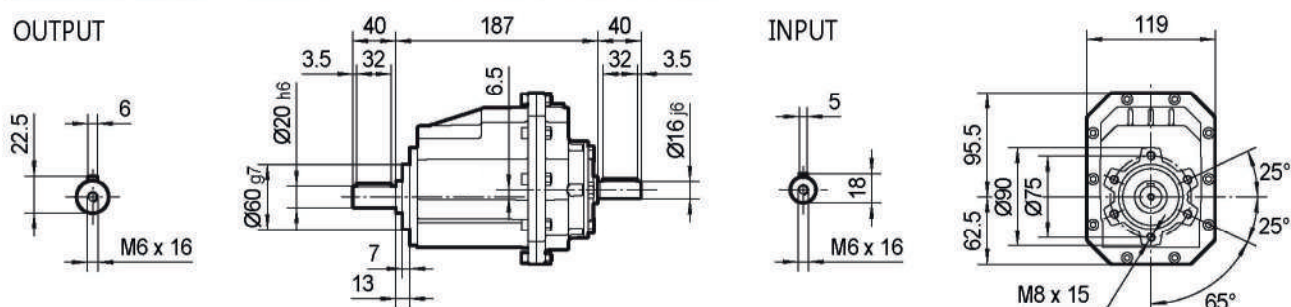
DRCP01..HS



DRCF01..HS

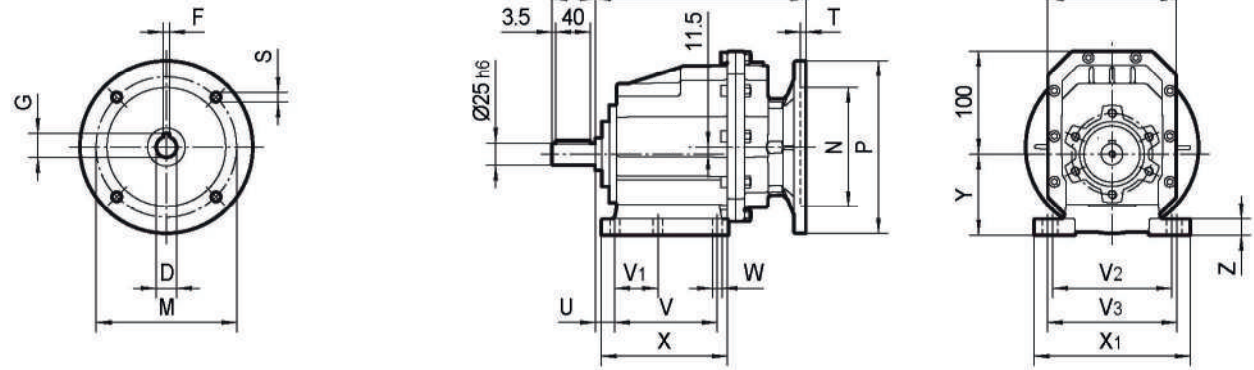


DRCZ01..HS

[illegible]

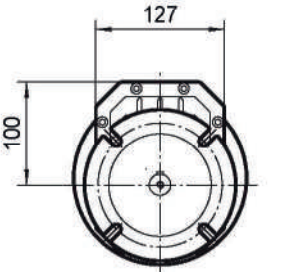
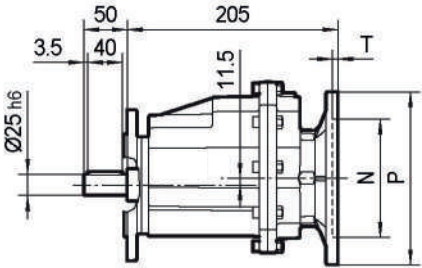
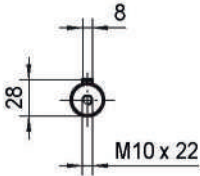
DRCP02..P(IEC)

INPUT

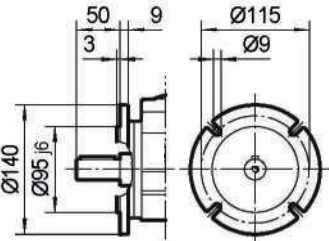


DRCF02..P(IEC)

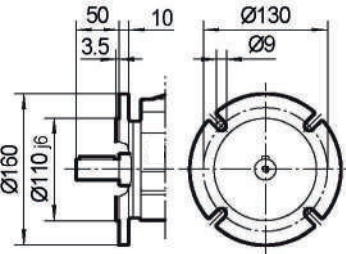
OUTPUT



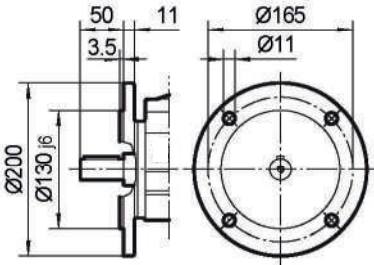
I
Ø140



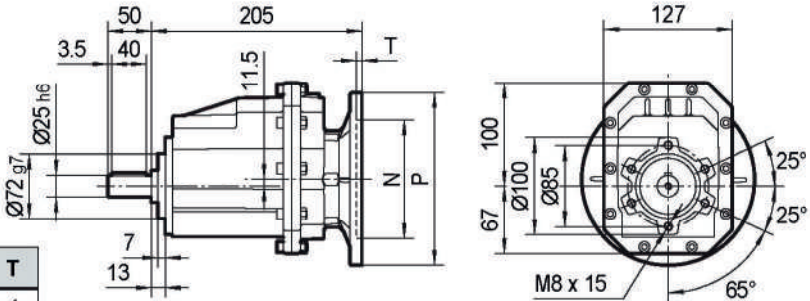
II
Ø160



III
Ø200



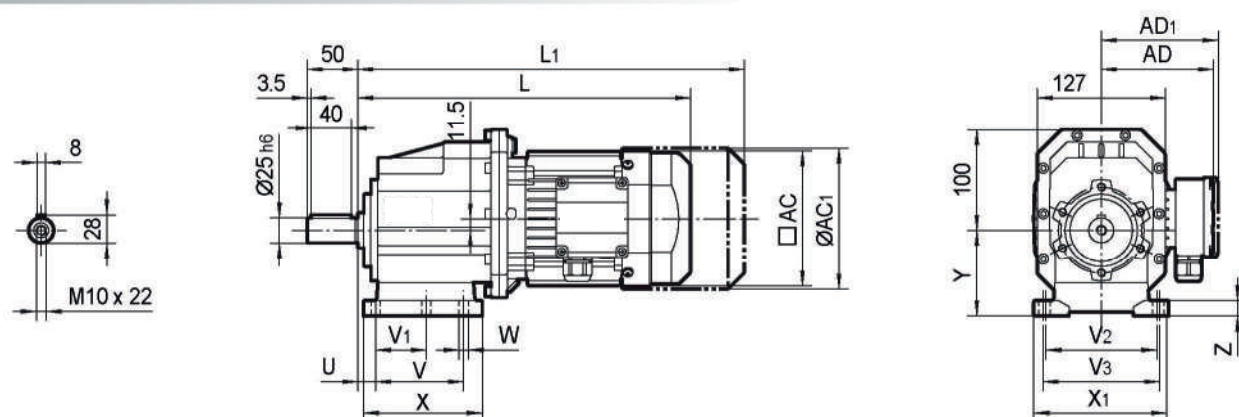
DRCZ02..P(IEC)



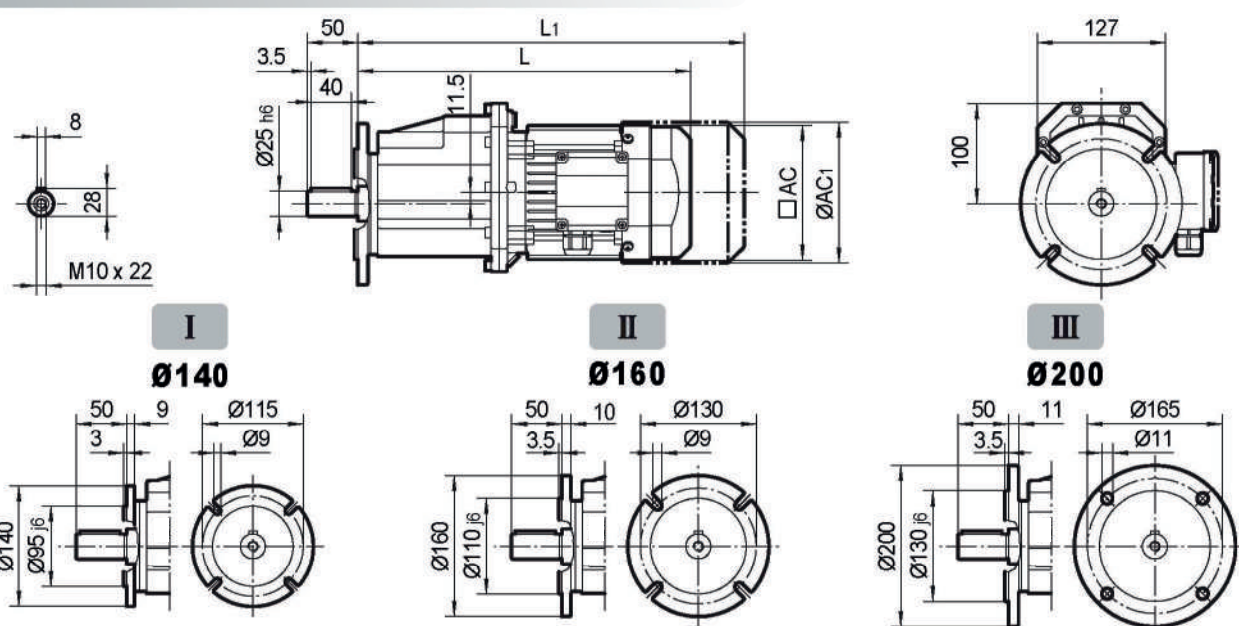
IEC	D _{E8}	F	G	P	M	N	S	T
P63B5	11	4	12.8	140	115	95	9	4
P71B5	14	5	16.3	160	130	110	9	4
P71B14	14	5	16.3	105	85	70	7	4
P80B5	19	6	21.8	200	165	130	11	4
P80B14	19	6	21.8	120	100	80	7	4
P90B5	24	8	27.3	200	165	130	11	4
P90B14	24	8	27.3	140	115	95	9	4

Foot Code	U	V	V ₁	V ₂	V ₃	W	X	X ₁	Y	Z
PB	18	107.5	60	130	—	11	136	155	100	17
PM	25	85	—	110	120	9	112	145	80	15
PS	25	130	—	—	110	9	160	—	90	20

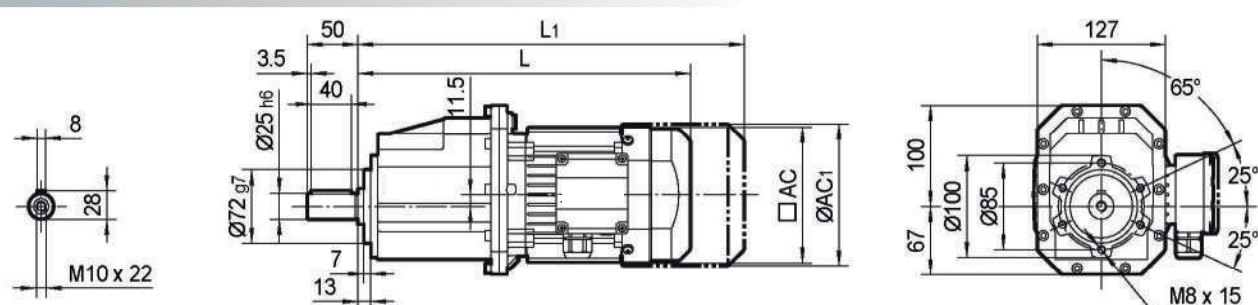
DRCP02..MX..



DRCF02..MX..



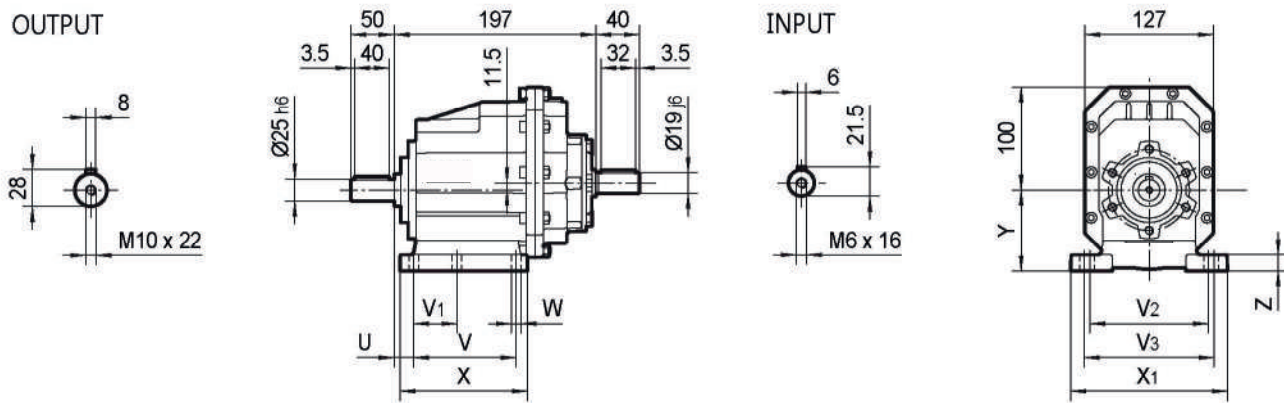
DRCZ02..MX..



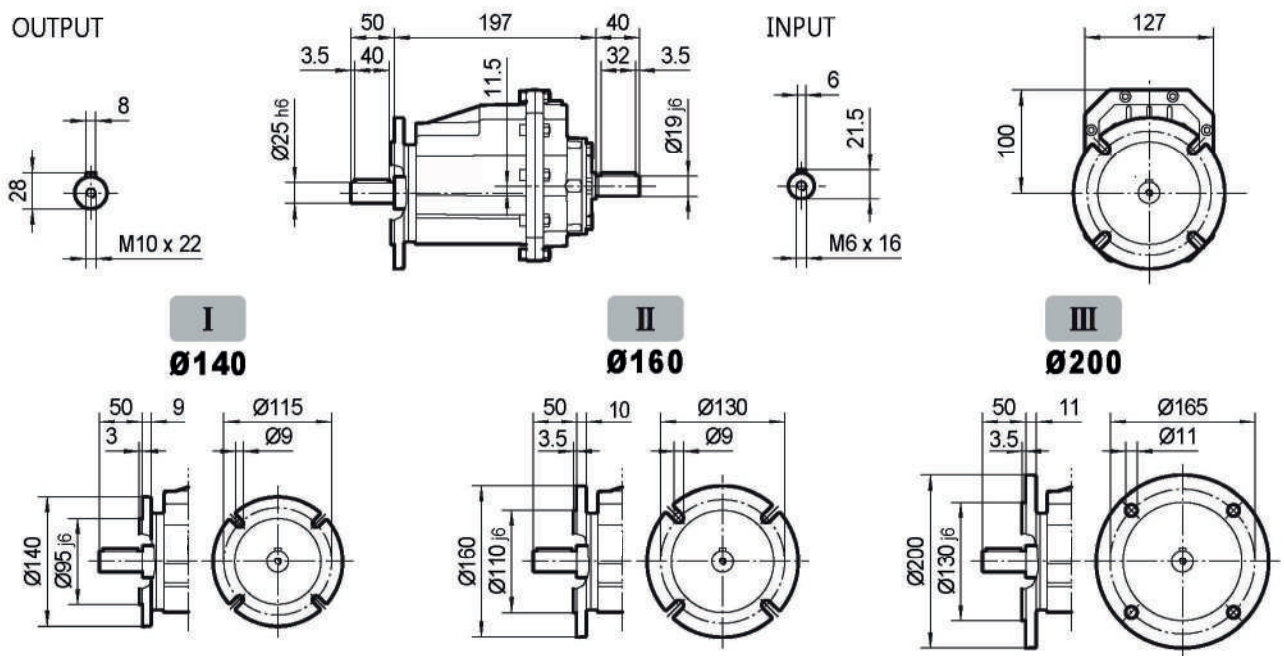
Motor Type	L	L1	AC	AC1	AD	AD1
MX63	315	370	132	132	105	105
MX71	330	394	134	148	122	127
MX80	365	429	134	148	122	127
MX90	396	481	182	203	154	161

Foot Code	U	V	V1	V2	V3	W	X	X1	Y	Z
	18	107.5	60	130	—	11	136	155	100	17
	25	85	—	110	120	9	112	145	80	15

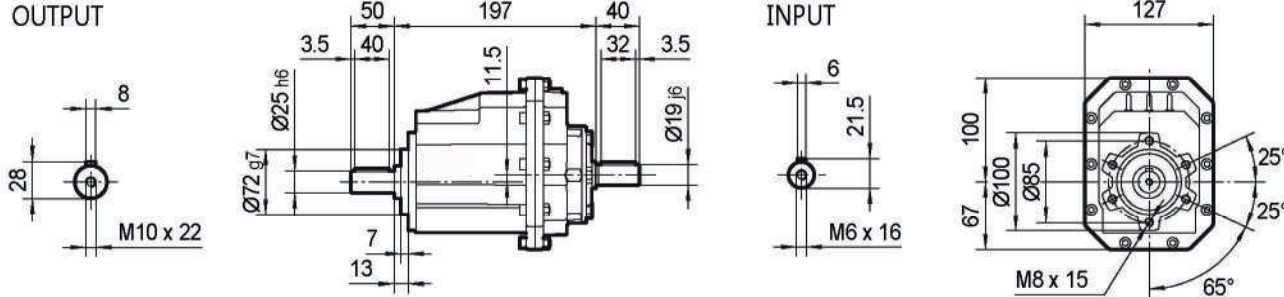
DRC02..HS



DRCF02..HS



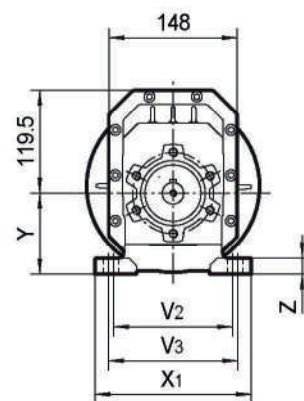
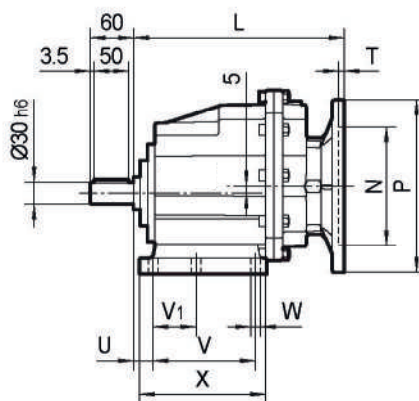
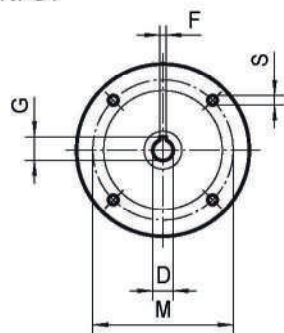
DRCZ02..HS



Foot Code	U	V	V1	V2	V3	W	X	X1	Y	Z
	18	107.5	60	130	—	11	136	155	100	17
	25	85	—	110	120	9	112	145	80	15

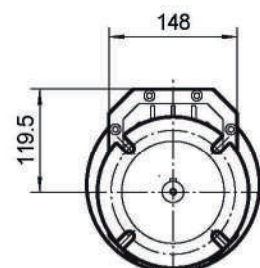
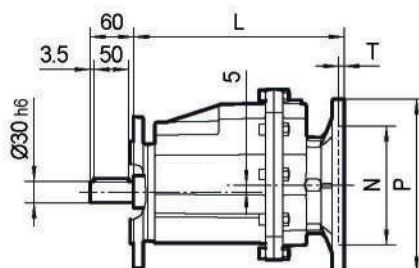
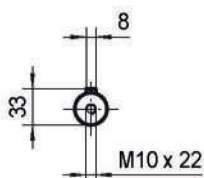
DRC03..P(IEC)

INPUT



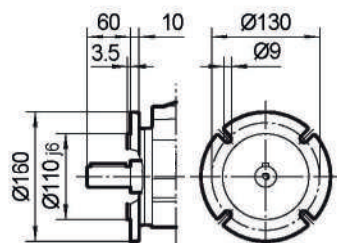
DRCF03..P(IEC)

OUTPUT



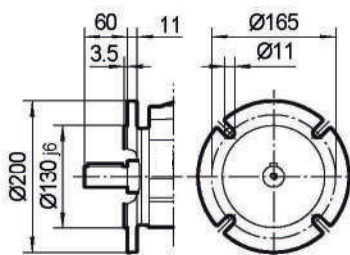
I

Ø160



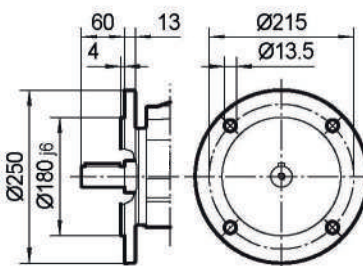
II

Ø200

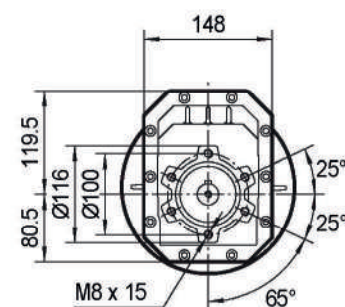
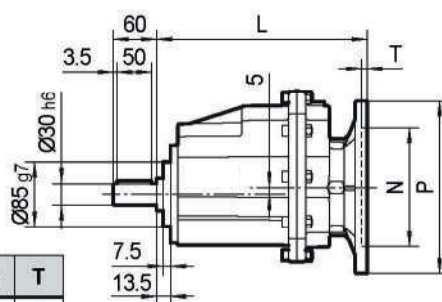


III

Ø250



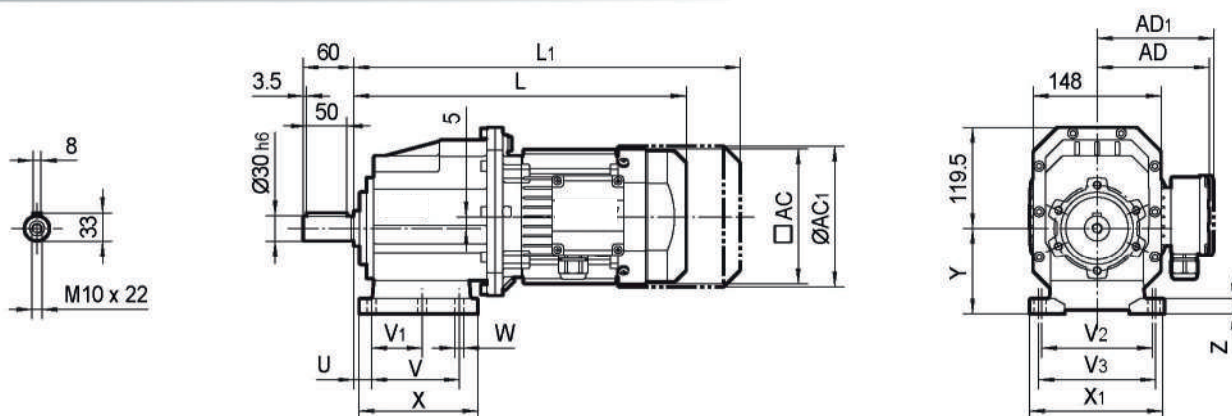
DRCZ03..P(IEC)



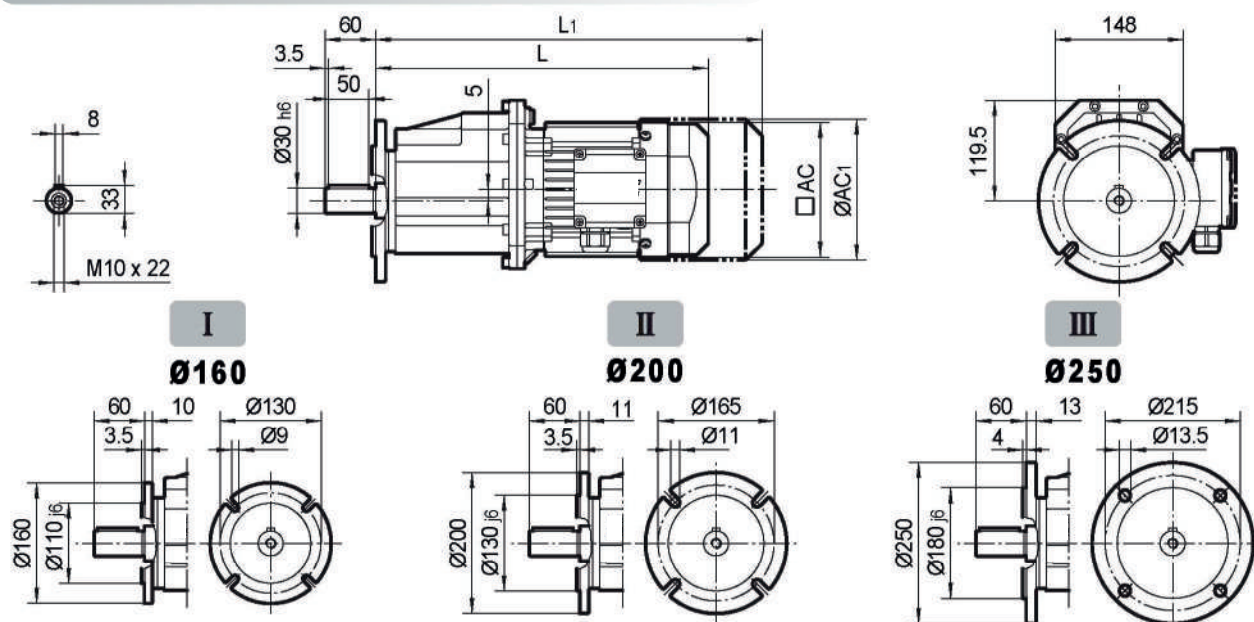
IEC	DE8	F	G	P	L	M	N	S	T
P71B5	14	5	16.3	160	220	130	110	9	4
P80B5	19	6	21.8	200	220	165	130	11	4
P80B14	19	6	21.8	120	220	100	80	7	4
P90B5	24	8	27.3	200	220	165	130	11	4
P90B14	24	8	27.3	140	220	115	95	9	4
P100/112B5	28	8	31.3	250	237	215	180	13.5	4.5
P100/112B14	28	8	31.3	160	237	130	110	9	4.5

Foot Code	U	V	V1	V2	V3	W	X	X1	Y	Z
PB	18	130	70	160	—	11	156	190	110	20
PM	30	100	—	135	150	11	150	190	110	18
PS	30	165	—	—	135	14	195	—	115	20

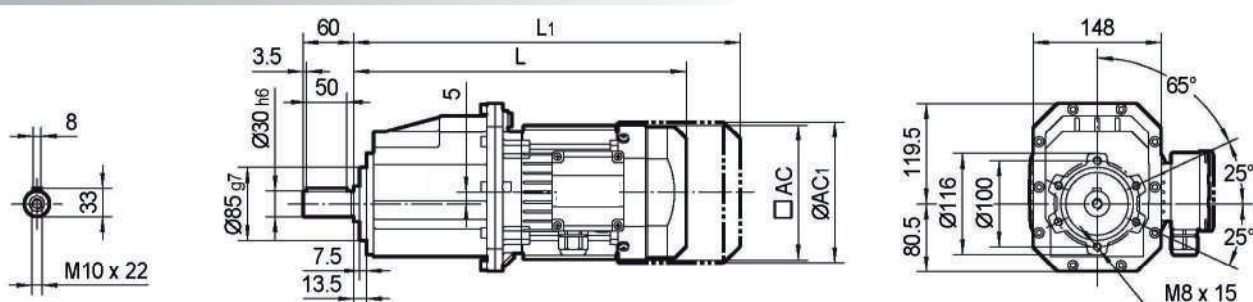
DRCP03..MX..



DRCF03..MX..



DRCZ03..MX..

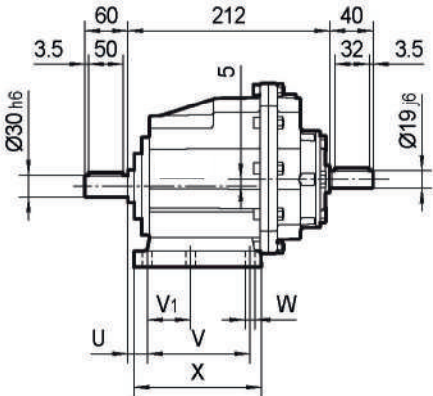
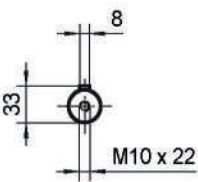


Motor Type	L	L1	AC	AC1	AD	AD1
MX71	345	409	134	148	122	127
MX80	380	444	134	148	122	127
MX90	411	496	182	203	154	161
MX100M	451	536	182	203	154	161
MX100L	481	566	182	203	154	161
MX112	492	572	206	221	179	182

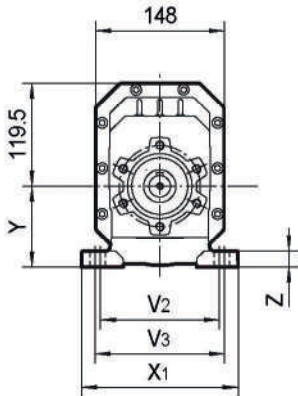
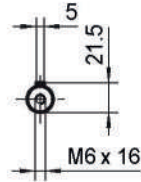
Foot Code	U	V	V1	V2	V3	W	X	X1	Y	Z
PB	18	130	70	160	—	11	156	190	110	20
PM	30	100	—	135	150	11	150	190	110	18
PS	30	165	—	—	135	14	195	—	115	20

DRCP03..HS

OUTPUT

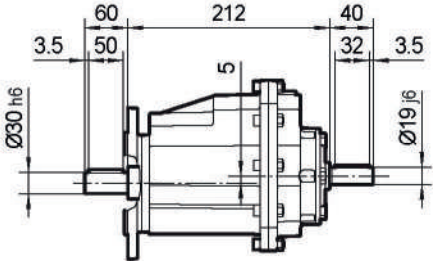
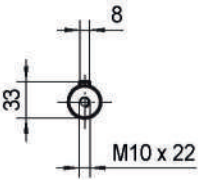


INPUT

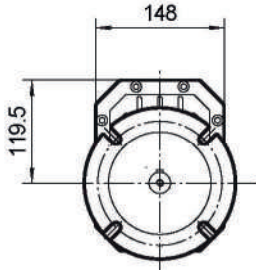
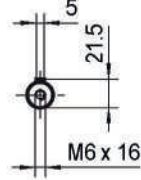


DRCF03..HS

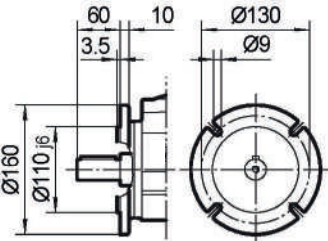
OUTPUT



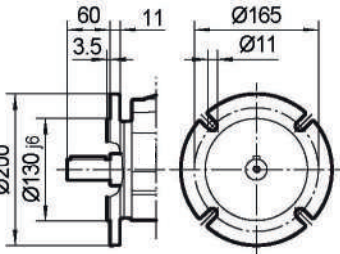
INPUT



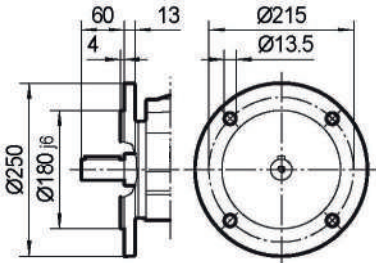
I
Ø160



II
Ø200

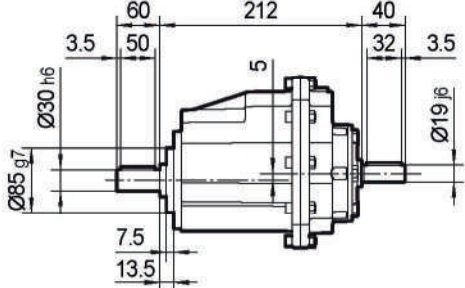
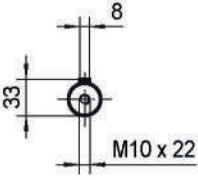


III
Ø250

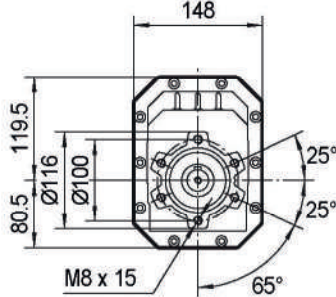
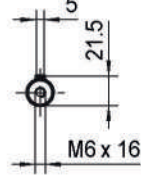


DRCZ03..HS

OUTPUT



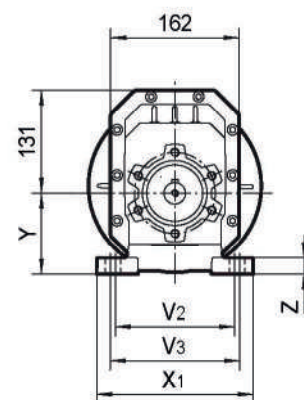
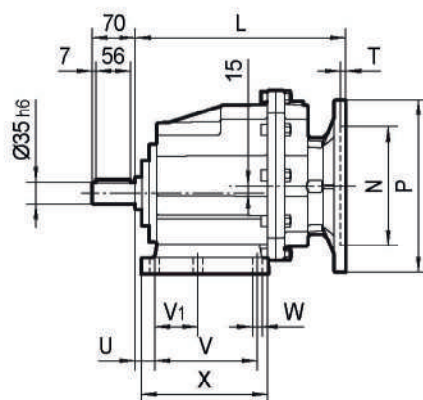
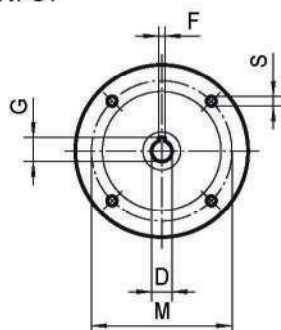
INPUT



Foot Code	U	V	V1	V2	V3	W	X	X1	Y	Z
PB	18	130	70	160	—	11	156	190	110	20
PM	30	100	—	135	150	11	150	190	110	18
PS	30	165	—	—	135	14	195	—	115	20

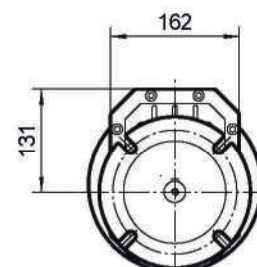
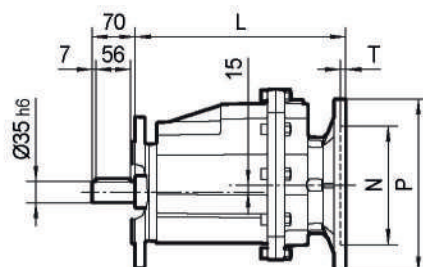
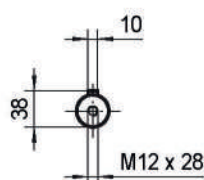
DRCP04..P(IEC)

INPUT

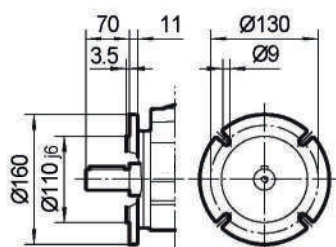


DRCF04..P(IEC)

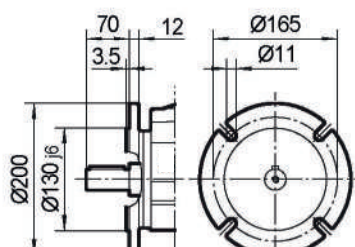
OUTPUT



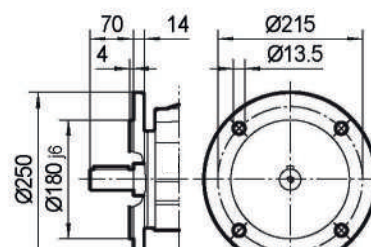
I
Ø160



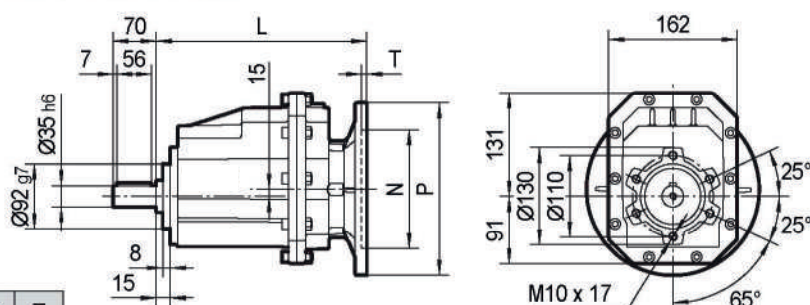
II
Ø200



III
Ø250



DRCZ04..P(IEC)

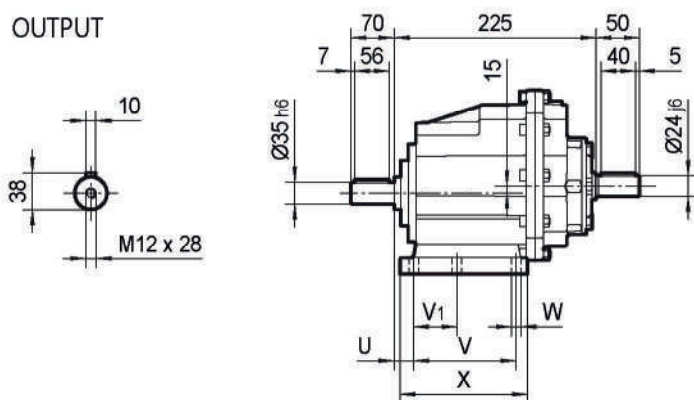


IEC	D _{ES}	F	G	P	L	M	N	S	T
P80B5	19	6	21.8	200	233	165	130	11	4
P80B14	19	6	21.8	120	233	100	80	7	4
P90B5	24	8	27.3	200	233	165	130	11	4
P90B14	24	8	27.3	140	233	115	95	9	4
P100/112B5	28	8	31.3	250	250	215	180	13.5	4.5
P100/112B14	28	8	31.3	160	250	130	110	9	4.5

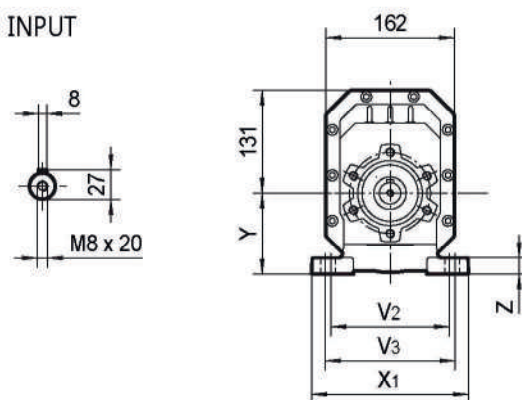
Foot Code	U	V	V ₁	V ₂	V ₃	W	X	X ₁	Y	Z
PM	35	110	—	170	185	14	150	230	120	20
PB	19.5	149.5	—	180	—	14	185	215	130	20
PS	30	165	—	—	135	14	195	—	115	20
PBR	23.5	130	—	170	—	14	168	205	115	20

[illegible]

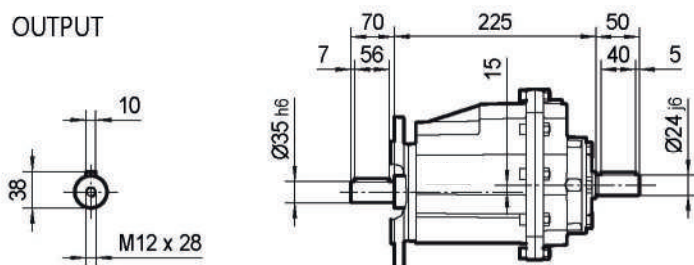
OUTPUT



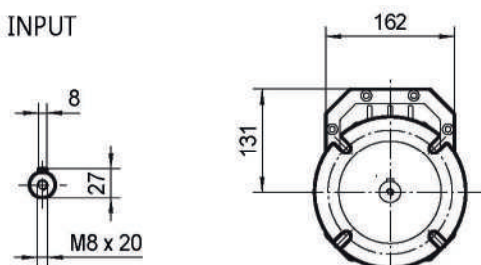
INPUT



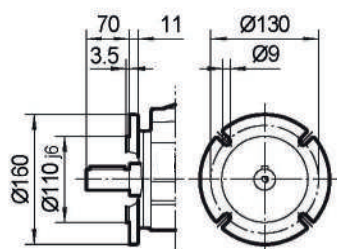
OUTPUT



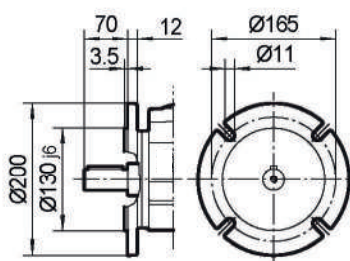
INPUT



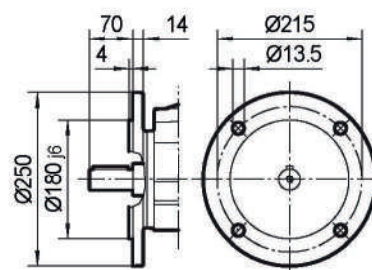
I
Ø160



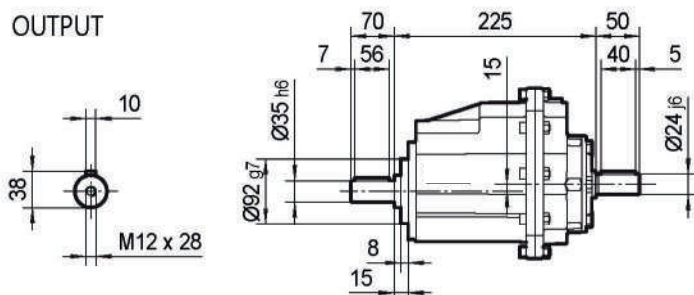
II
Ø200



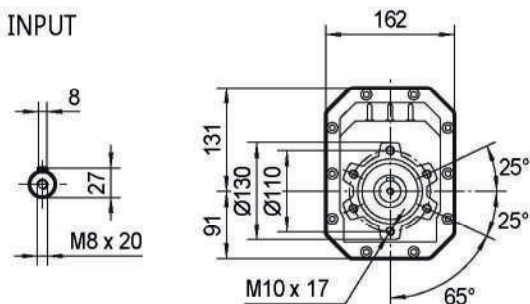
III
Ø250



OUTPUT

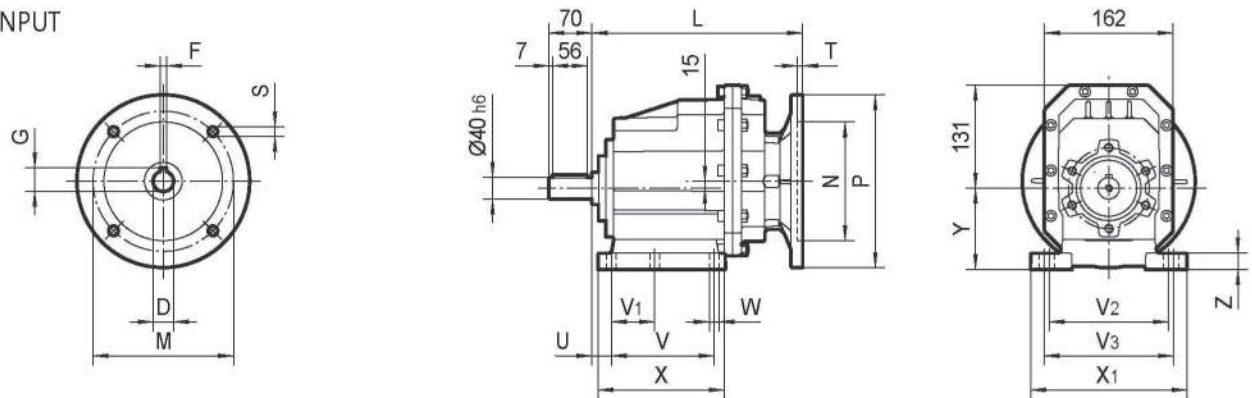


INPUT

[illegible]

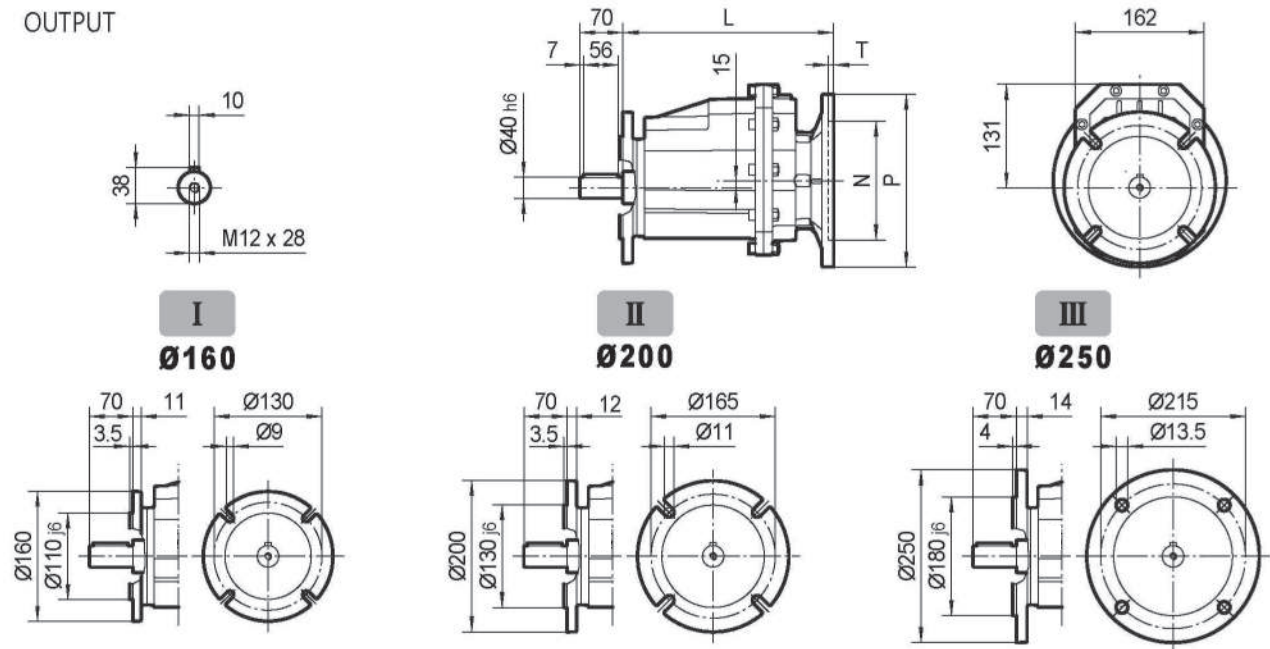
DRCP05..P(IEC)..

INPUT

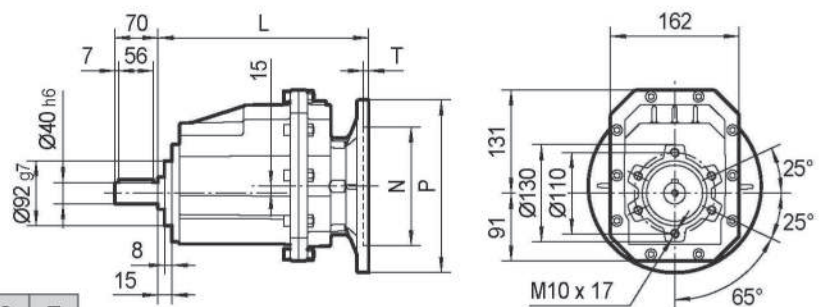


DRCF05..P(IEC)..

OUTPUT



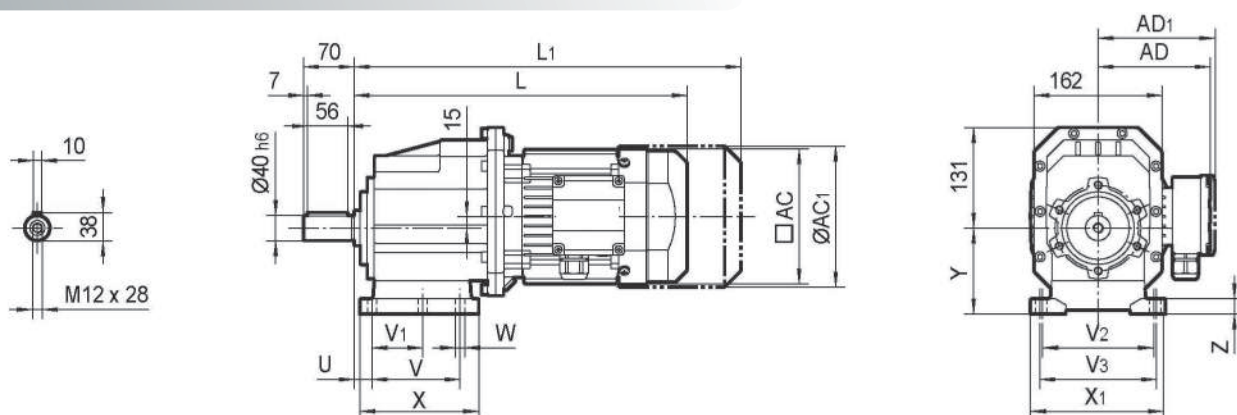
DRCZ05..P(IEC)..



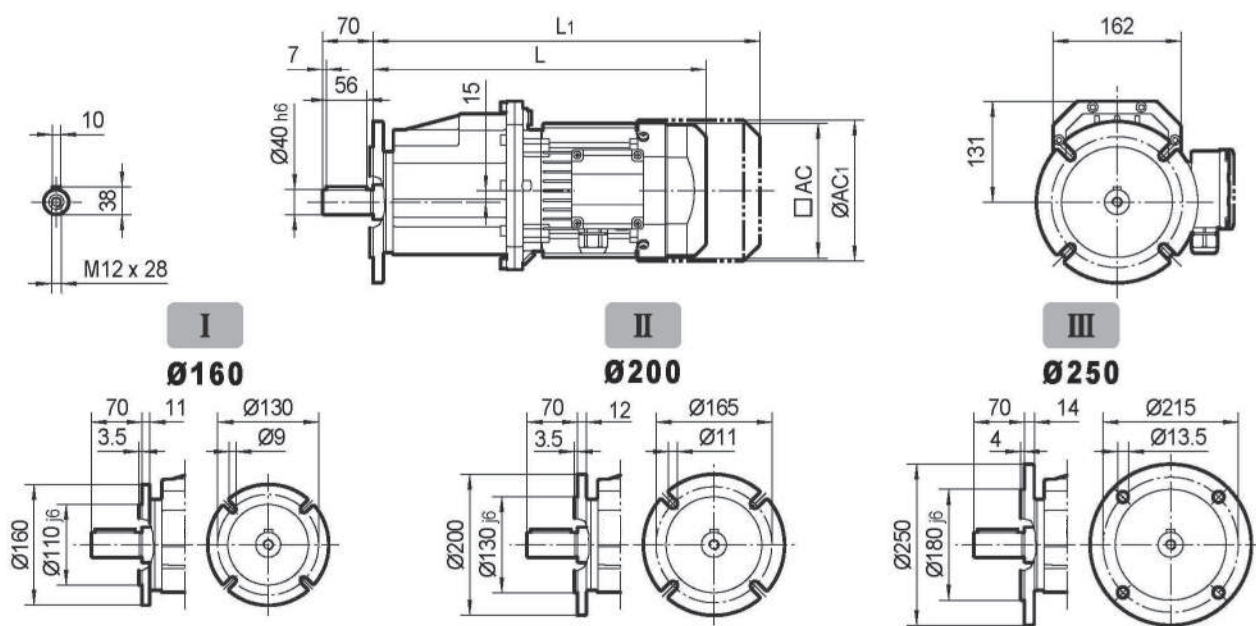
IEC	D _{E8}	F	G	P	L	M	N	S	T
P80B5	19	6	21.8	200	233	165	130	11	4
P80B14	19	6	21.8	120	233	100	80	7	4
P90B5	24	8	27.3	200	233	165	130	11	4
P90B14	24	8	27.3	140	233	115	95	9	4
P100/112B5	28	8	31.3	250	250	215	180	13.5	4.5
P100/112B14	28	8	31.3	160	250	130	110	9	4.5

Foot Code	U	V	V ₁	V ₂	V ₃	W	X	X ₁	Y	Z
PM	40	110	—	170	185	14	150	230	120	20
PB	19.5	149.5	—	180	—	14	185	215	130	20
PS	30	165	—	—	135	14	195	—	115	20
PBR	23.5	130	—	170	—	14	168	205	115	20

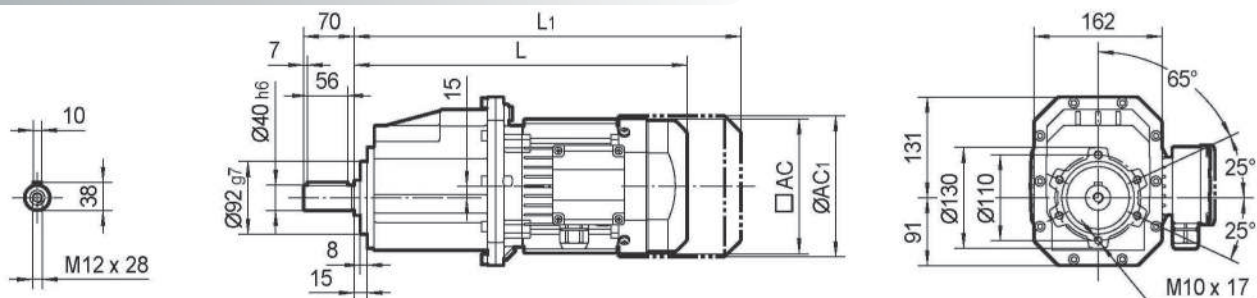
DRCP05..MX..



DRCF05..MX..



DRCZ05..MX..

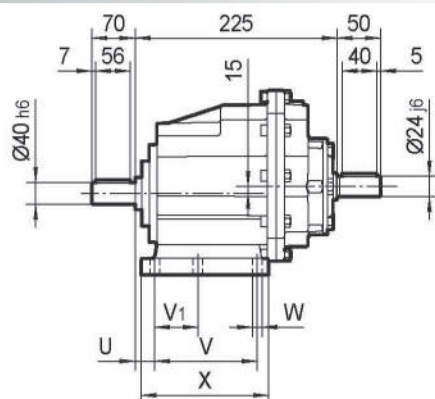
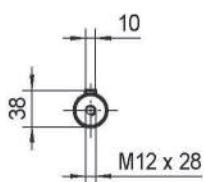


Motor Type	L	L1	AC	AC1	AD	AD1
MX80	393	457	134	148	122	127
MX90	424	509	182	203	154	161
MX100M	464	549	182	203	154	161
MX100L	494	579	182	203	154	161
MX112	505	585	206	221	179	182

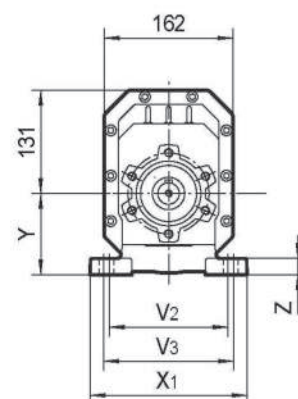
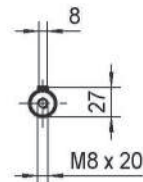
Foot Code	U	V	V1	V2	V3	W	X	X1	Y	Z
PM	40	110	—	170	185	14	150	230	120	20
PB	19.5	149.5	—	180	—	14	185	215	130	20
PS	30	165	—	—	135	14	195	—	115	20
PBR	23.5	130	—	170	—	14	168	205	115	20

DRCP05..HS..

OUTPUT

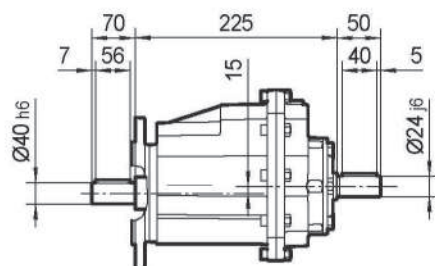
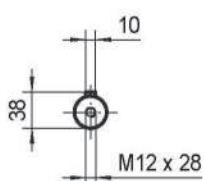


INPUT

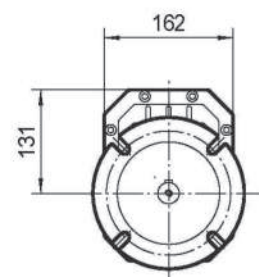
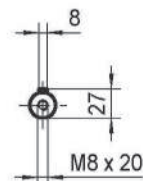


DRCF05..HS..

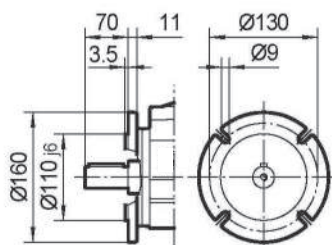
OUTPUT



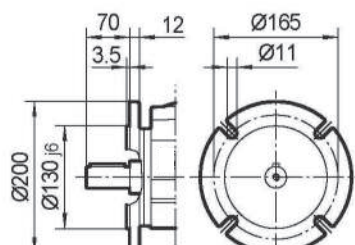
INPUT



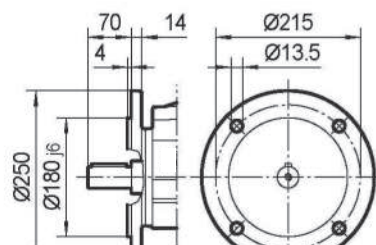
I
Ø160



II
Ø200

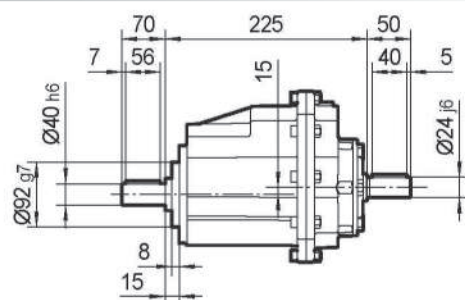
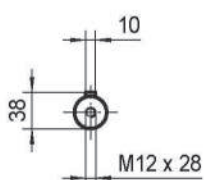


III
Ø250

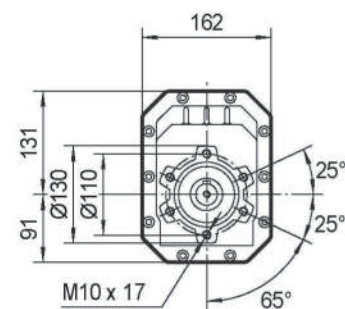
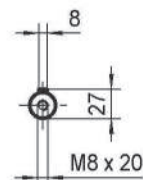


DRCZ05..HS..

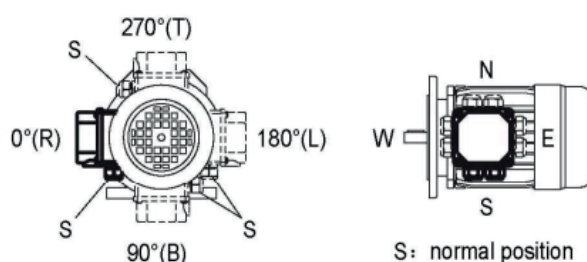
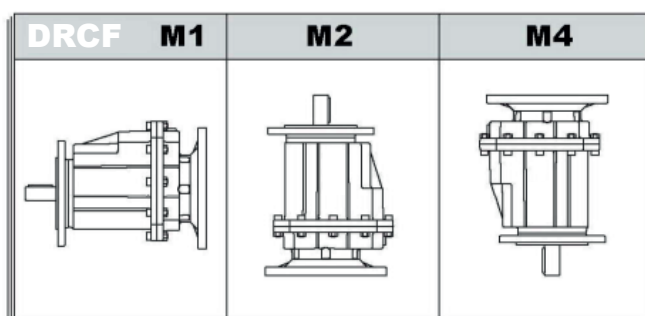
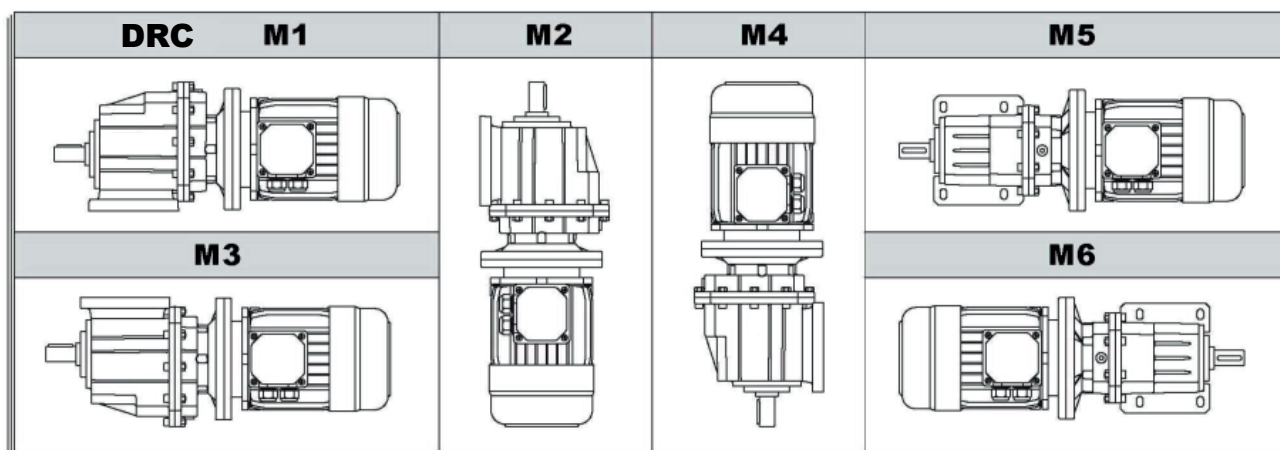
OUTPUT



INPUT



Foot Code	U	V	V1	V2	V3	W	X	X1	Y	Z
PM	40	110	—	170	185	14	150	230	120	20
PB	19.5	149.5	—	180	—	14	185	215	130	20
PS	30	165	—	—	135	14	195	—	115	20
PBR	23.5	130	—	170	—	14	168	205	115	20

Posizioni di montaggio e della morsettiera - Moounting position and terminal box orientation**Quantità di lubrificante****Informazioni generali**

Si raccomanda di osservare scrupolosamente le quantità di lubrificante. La quantità precisa varia a seconda della posizione di montaggio. Vi preghiamo indicare sempre in fase d'ordine anche la posizione di montaggio. Nel caso di variazione si prega variare la quantità di lubrificante a seconda della nuova posizione seguendo la tabella per la corretta quantità.

Grassi per cuscinetti volventi

Nella tabella sotto indicata sono riportati i lubrificanti consigliati. Vedere tabella sotto riportata.

Lubricant**General information**

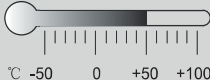
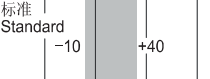
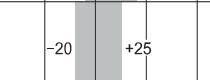
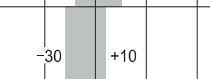
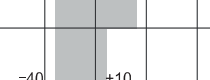
Unless a special arrangement is made, we supply the drives with a lubricant fill adapted for the specific gear unit and mounting position. The decisive factor is the mounting position (M1.... M6) specified when ordering the drive. You must adapt the lubricant fill in case of any subsequent changes made to the mounting position (Lubricant fill quantities).

Anti-friction bearing greases

The lubricant table on the following page shows the permitted lubricants for our gear units. Please note the following key to the lubricant table:

	Temperature	Manufacture	Style	lubrication type
rolling bearing of gear box	-20°C ~ +60°C	Mobil	Mobilux EP 2	Mineral oil
	-40°C ~ +80°C	Mobil	Mobiltemp SHC 100	Synthetic oil
rolling bearing of gear motor	-20°C ~ +80°C	Esso	Unirex EQ3	Mineral oil
	-20°C ~ +60°C	Shell	Alvania RL3	Mineral oil
	-45°C ~ .25°C	Shell	Aero Shell Grease 16	Synthetic oil

Tipi di lubrificazione - Types of lubrication

						tipi di lubrificante lubrication type
DRC		VG 220	Shell Omala 220	Mobilgear 630	BP Energol GR-XP 220	Olio Minerale Mineral oil
		VG 150 VG 100	Shell Omala 100	Mobilgear 627	BP Energol GR-XP 100	
		VG 68-46 VG 32	Shell Tellus T 32	Mobil D.T.E. 13M		
		VG 22 VG 15	Shell Tellus T 15	Mobil D.T.E. 11M	BP Energol HLP-HM 15	
		VG 220	Shell Omala HD 220	Mobil SHC 630		Olio sintetico Synthetic oil
		VG 150		Mobil SHC 629		
		VG 32		Mobil SHC 624		

DRC Quantità di lubrificante - Lubrificant fill quantity

Gear units	Quantità di lubrificante in litri - Fill quantity in liters (L)					
	M1	M2	M3	M4	M5	M6
DRC..01..	0.4	0.6	0.4	0.3	0.3	0.3
DRC..02..	0.5	0.7	0.5	0.4	0.4	0.4
DRC..03..	0.8	1.1	0.8	0.6	0.6	0.6
DRC..04..	1.2	1.6	1.0	1.0	0.9	0.9
DRC..05..	1.2	1.6	1.0	1.0	0.9	0.9

Modi d'installazione

Preparazione prima dell'installazione

- 1) Verificare che i dati sulla targhetta siano corretti.
- 2) Verificare che la temperatura dell'ambiente sia corretta con quella indicata nella tabella dei lubrificanti
- 3) Il riduttore non deve essere assemblato in condizioni sfavorevoli quali olio, gas ecc.
- 4) Albero e flangia devono essere periodicamente puliti per evitare corrosione e contaminazione. Usare un solvente commerciale e assicurarsi che non entri in contatto con anelli perchè potrebbe danneggiare il

Installazione dei riduttori

- 1) Non comprimere piedi e flangia contro altro ed assicurarsi che soddisfino i carichi assiali e radiali consentiti.
- 2) Non spingere puleggia e pignoni o altro sull'albero. Potrebbero danneggiare i cuscinetti, la carcassa o l'albero.
- 3) Prima di avviare l'applicazione verificare che l'olio sia adeguato alla posizione di montaggio. Verificare che la valvola di sfato, ove presente, sia pulita e libera da ogni residuo di olio.

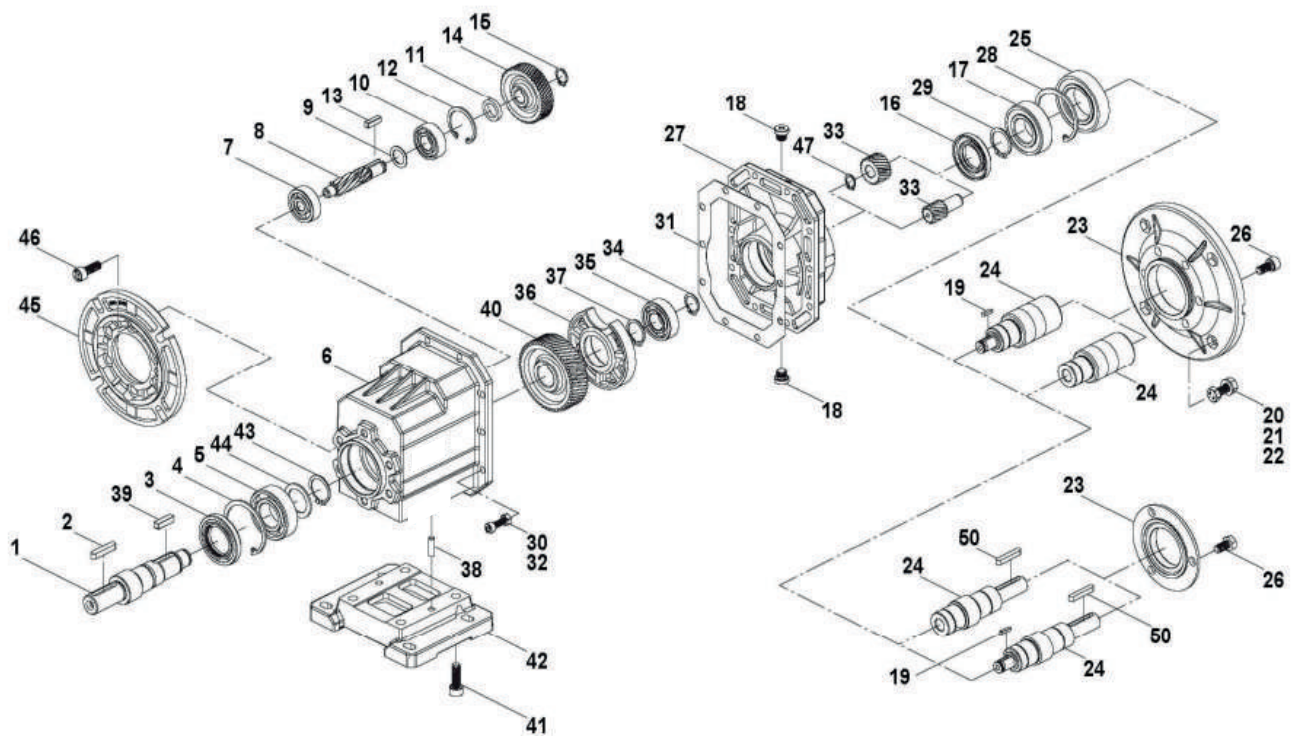
Installation methods

Preparation before the installation

- 1) Check if the data on the nameplates of the gear-motor matches the voltage supply system.
- 2) For standard gear unit, the ambient temperature must be in accordance with the corresponding lubricant table.
- 3) The drive must not be assembled in conditions such as oil, gas, vapors, acids, radiation and so on.
- 4) Output shaft and flange surfaces must thoroughly cleaned to ensure they are free of anti-corrosion agents, contamination or similar. Use a commercial available solvent. Do not let the solvent come into contact with the sealing lip of the oil seals, or will damage the material!

Installation of the gear units

- 1) Do not tighten the housing legs and mounting flanges against one another and ensure that you comply with the permitted radial load and axial load.
- 2) Never drive belt pulleys, couplings, pinions, etc into the shaft and by hitting them with a hammer. This will damage the bearing, housing and the shaft.
- 3) Prior to startup, check that if the oil level is as specified for the mounting position. If the oil checking and drain screw and the breather valves are free accessible.



1 Output shaft/Albero in uscita	17 Bearing / Cuscinetto	33 Pinion / Pignone
2 Key / Chiavetta	18 Oil plug / Tappo dell'olio	34 Shaft circlip / Seeger
3 Oil seal / Anello di tenuta	19 Key / Chiavetta	35 Bearing / Cuscinetto
4 Hole circlip / Seeger	20 Hex head bolt / Vite	36 Support seat / Supporto
5 Bearing / Cuscinetto	21 Washe / Vite	37 Shaft circlip / Seeger
6 Gear box / Carcassa	22 Hex nut / testa vite	38 Cylindrical pin / Perno cilindrico
7 Bearing / Cuscinetto	23 Input flange / Flangia in ingresso	39 Key / Chiavetta
8 Pinion shaft / Albero pignone	24 Input shaft / Albero in ingresso	40 Gear / Ruota
9 Oil seal / Anello di tenuta	25 Bearing / Cuscinetto	41 Socket head cap screw/Testa vite
10 Bearing / Cuscinetto	26 Socket head cap screw/Testa vite	42 Foot / Piedi
11 Spacer ring / Anello	27 Input cover /Coperchio in ingresso	43 Shaft circlip / Seeger
12 Hole circlip / Seeger	28 Hole circlip / Seeger	44 Washe / Vite
13 Key / Chiavetta	29 Shaft circlip / Seeger	45 Output flange / Flangia in uscita
14 Gear / Ruota	30 Hex nut / testa vite	46 Hex socket screws / Vite a brugola esagonale
15 Shaft circlip / Seeger	31 Housing gasket / Guarnizione	47 Shaft circlip / Seeger
16 Oil seal / Anello di tenuta	32 Socket head cap screw/Testa vite	48 Key / Chiavetta



Catalogo Tecnico

Riduttori Coassiali Elle. Gi serie DRC
Elle. Gi Coaxial Gearboxes DRC series



Elle. Gi Srl
Rappresentante



Draï Milano Srl
Organi di Trasmissione



Pmm Srl
Martinetti e Rinvii Angolari

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