

- SERIE DRC -
Riduttori Coassiali
Coaxial Gearboxes

ELLE.GI SRL
*Organi di
Trasmissione*



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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.

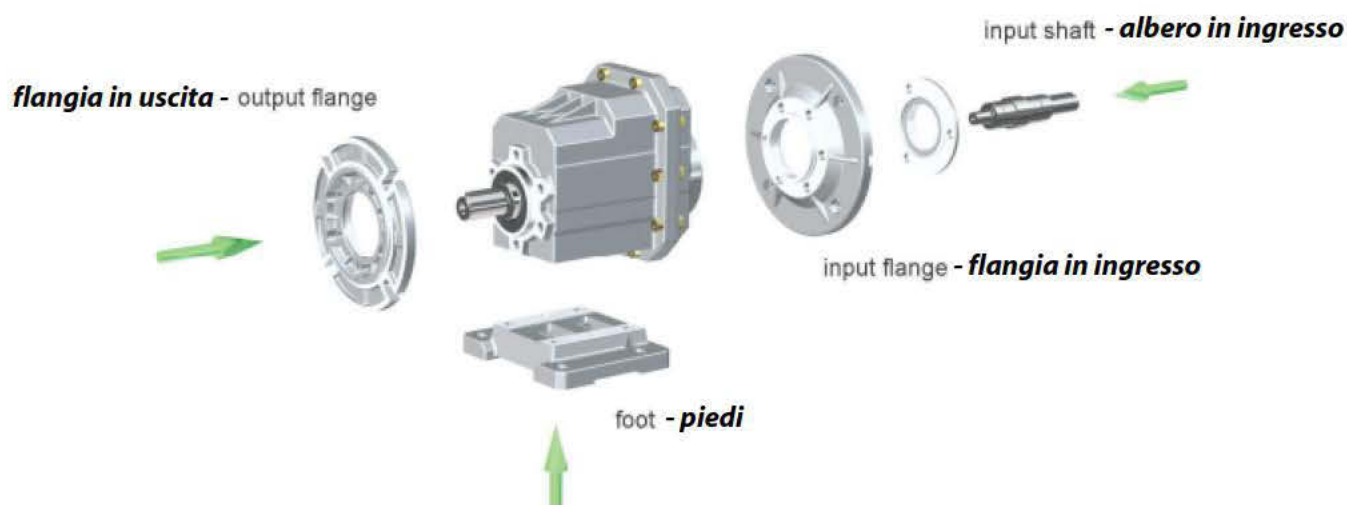
Caratteristiche del prodotto - Products characteristics

- * **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 condictionions** - 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



2 . IMMAGINI FORME COSTRUTTIVE - PRODUCT STRUCTURE PICTURE



DRC..P(IEC)
Foot-mounted helical gear unit
Versione a piedi



DRC..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



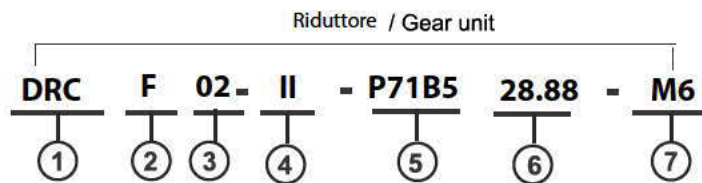
DRC..MX..
Foot-mounted helical geared motors
Versione a piedi e motore



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

3. 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 foot-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

4. PARAMETRI IMPORTANTI

4.1 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%

4.2 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.

4. RELEVANT PARAMETER

4.1 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%

4.2 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.

4.3 Rapporto di trasmissione - i

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

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

4.4 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

4.5 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.

4.3 Transmission ratio i

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

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

4.4 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

4.5 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.

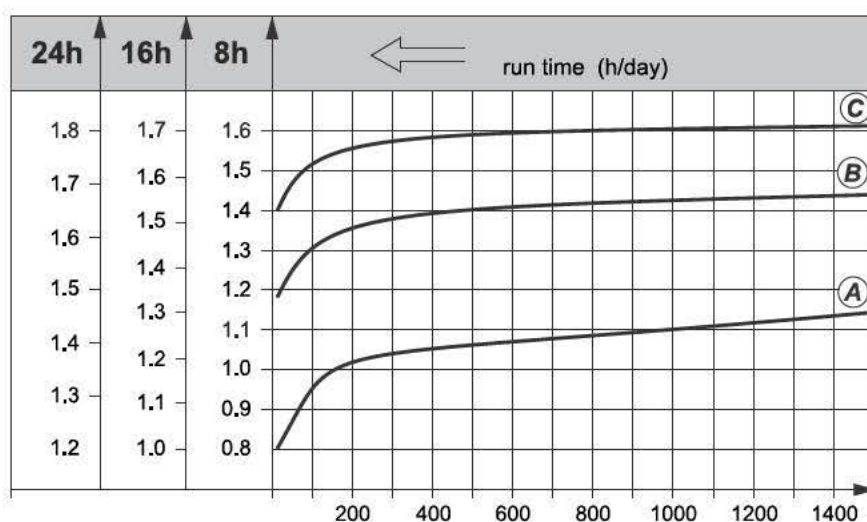


Fig.: Fattore di servizio (f_s)
Fig: Service factor (f_s)

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.

4.5.1 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;

4.5.2 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 (kgm²)
 J_m momento di inerzia del motore (kgm²)
 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 $f_s \geq 1.48$

4.5.1 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.

4.5.2 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 (kgm²)
 J_m Mass moment of inertia on the motor end (kgm²)
 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 .

4.6 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:

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

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

4.6 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 :

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

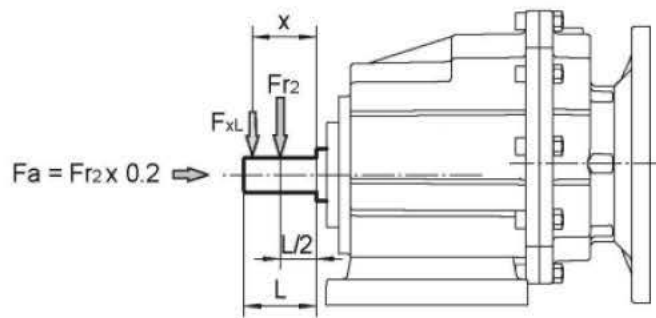
the maximum radial load on the shaft is calculated with the following

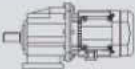
$$F_{xL} \leq \frac{F_{r2} \cdot a}{(b+x)} \text{ [M]}$$

- 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 constants for overhung load conversion:

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

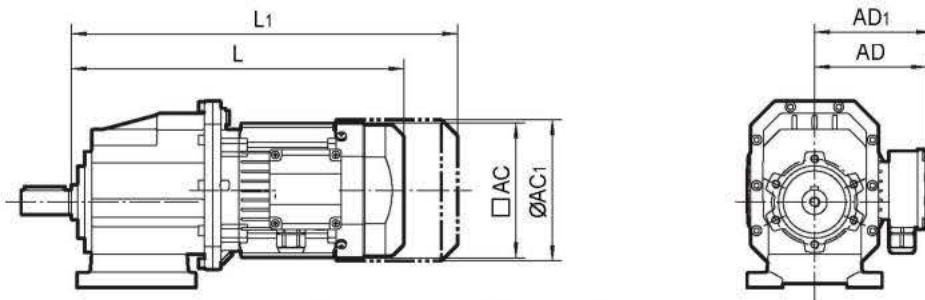
Carichi radiali sull'albero in uscita / **Output shafts radial loads****4.7 SELECTION TABLES COMMENTS - TABELLE DI SELEZIONE**

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];
 n_2 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
 pagina 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];
 n_2 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.

5. SELECTION EXAMPLE - Esempi di selezione

5.1 EXAMPLE 1 - ESEMPIO 1

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, $f_s=1.05$

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, $f_s=1.05$

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

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

Choose type:

DRCF04 II - P90B5 - 44.18

5.2 EXAMPLE 1 - ESEMPIO 1

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

6. GEAR UNIT SELECTION TABLES - TABELLA DI SELEZIONE

6.1 Possible geometrical combinations - Possibili combinazioni geometriche

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

DRC03..

$n_1=1400$ 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..

$n_1=1400$ 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..

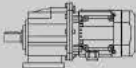
$n_1=1400$ r/min

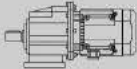
820Nm

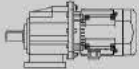
n_2 [r/min]	M_{2max} [Nm]	Fr_2 [N]	i		MX80.. 80B5/B14	MX90.. 90B5/B14	MX100.. 100B5/B14	MX112.. 112B5/B14
24	500	8000	58.09	639 / 11				
28	500	8000	50.02	2201 / 44				
32	500	8000	43.75	4331 / 99				
36	500	8000	38.73	426 / 11				
40	500	7950	34.62	4189 / 121				
49	500	7430	28.30	4047 / 143				
64	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				

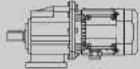
* Solo su richiesta - Only on request

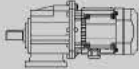
6.2 DRC..P(IEC).. Performance parameter

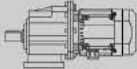
P _{1n} [kW]	n ₂ [r/min]	M _{2n} [Nm]	i	F _{r2} [N]	f _s		Page			Page
0.12	26	42	53.33	2600	2.9	DRC01 MX63S4	33	DRC01 63B5	6314	34
	31	36	45.89	2600	3.3	DRCF01 MX63S4	33	DRCF01 63B5	6314	34
	35	32	40.10	2600	3.8	DRCZ01 MX63S4	33	DRCZ01 63B5	6314	34
	39	28	35.47	2560	4.3					
	49	22	28.50	2380	5.4					
	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	DRC01 MX63M6	33	DRC01 63B5	6326	34
	19.6	56	45.89	2600	2.1	DRCF01 MX63M6	33	DRCF01 63B5	6326	34
	22	49	40.10	2600	2.4	DRCZ01 MX63M6	33	DRCZ01 63B5	6326	34
	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	DRC01 MX63M4	33	DRC01 63B5	6324	34
	31	54	45.89	2600	2.2	DRCF01 MX63M4	33	DRCF01 63B5	6324	34
	35	47	40.10	2600	2.5	DRCZ01 MX63M4	33	DRCZ01 63B5	6324	34
	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	DRC01 MX63L6	33	DRC01 71B5/B14	7116	34
	19.6	84	45.89	2600	1.4	DRCF01 MX63L6	33	DRCF01 71B5/B14	7116	34
	22	74	40.10	2600	1.6	DRCZ01 MX63L6	33	DRCZ01 71B5/B14	7116	34
	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					

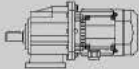
P _{1n} [kW]	n ₂ [r/min]	M _{2n} [Nm]	i	F _{r2} [N]	f _s		Page			Page
0.18	26	64	54.00*	4500	3.1	DRC02 MX63M4	36	DRC02 63B5	6324	37
	30	55	46.46*	4500	3.7	DRCF02 MX63M4	36	DRCF02 63B5	6324	37
	34	48	40.60*	4500	4.2	DRCZ02 MX63M4	36	DRCZ02 63B5	6324	37
	39	42	35.91*	4270	4.7					
	16.7	99	54.00*	4500	2.0	DRC02 MX63L6	36	DRC02 71B5/B14	7116	37
	19.4	85	46.46*	4500	2.3	DRCF02 MX63L6	36	DRCF02 71B5/B14	7116	37
	22	74	40.60*	4500	2.7	DRCZ02 MX63L6	36	DRCZ02 71B5/B14	7116	37
	25	66	35.91*	4500	3.0					
	31	53	28.88*	4500	3.8					
0.25	26	87	53.33	2600	1.4	DRC01 MX63L4	33	DRC01 71B5/B14	7114	34
	31	75	45.89	2600	1.6	DRCF01 MX63L4	33	DRCF01 71B5/B14	7114	34
	35	66	40.10	2600	1.8	DRCZ01 MX63L4	33	DRCZ01 71B5/B14	7114	34
	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	DRC01 MX71D6	33	DRC01 71B5/B14	7126	34
	19.6	117	45.89	2600	1.0	DRCF01 MX71D6	33	DRCF01 71B5/B14	7126	34
	22	102	40.10	2600	1.2	DRCZ01 MX71D6	33	DRCZ01 71B5/B14	7126	34
	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	DRC02 MX63L4	36	DRC02 71B5/B14	7114	37
	30	76	46.46*	4500	2.6	DRCF02 MX63L4	36	DRCF02 71B5/B14	7114	37
	34	66	40.60*	4500	3.0	DRCZ02 MX63L4	36	DRCZ02 71B5/B14	7114	37
	39	59	35.91*	4270	3.4					
	16.7	138	54.00*	4500	1.5	DRC02 MX71D6	36	DRC02 71B5/B14	7126	37
	19.4	118	46.46*	4500	1.7	DRCF02 MX71D6	36	DRCF02 71B5/B14	7126	37
	22	103	40.60*	4500	1.9	DRCZ02 MX71D6	36	DRCZ02 71B5/B14	7126	37
	25	91	35.91*	4500	2.2					
	31	74	28.88*	4500	2.7					

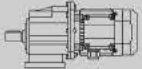
P _{1n} [kW]	n ₂ [r/min]	M _{2n} [Nm]	i	F _{r2} [N]	f _s		Page			Page
0.37	26	129	53.33	2600	0.93	DRC01 MX71D4	33	DRC01 71B5/B14	7124	34
	31	111	45.89	2600	1.1	DRCF01 MX71D4	33	DRCF01 71B5/B14	7124	34
	35	97	40.10	2600	1.2	DRCZ01 MX71D4	33	DRCZ01 71B5/B14	7124	34
	39	86	35.47	2560	1.4					
	49	69	28.50	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	DRC01 MX80K6	33	DRC01 80B5/B14	8016	34
	32	107	28.50	2600	1.1	DRCF01 MX80K6	33	DRCF01 80B5/B14	8016	34
	38	89	23.56	2580	1.4	DRCZ01 MX80K6	33	DRCZ01 80B5/B14	8016	34
	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	DRC02 MX71D4	36	DRC02 71B5/B14	7124	37
	30	113	46.46*	4500	1.8	DRCF02 MX71D4	36	DRCF02 71B5/B14	7124	37
	34	98	40.60*	4500	2.0	DRCZ02 MX71D4	36	DRCZ02 71B5/B14	7124	37
	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	DRC02 MX80K6	36	DRC02 80B5/B14	8016	37
	19.4	175	46.46*	4500	1.1	DRCF02 MX80K6	36	DRCF02 80B5/B14	8016	37
	22	153	40.60*	4500	1.3	DRCZ02 MX80K6	36	DRCZ02 80B5/B14	8016	37
	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	DRC03 MX71D4	39	DRC03 71B5	7124	40
	28	121	50.02	6000	2.5	DRCF03 MX71D4	39	DRCF03 71B5	7124	40
	32	106	43.75	6000	2.8	DRCZ03 MX71D4	39	DRCZ03 71B5	7124	40
	36	94	38.73	6000	3.2					
	40	84	34.62	5860	3.6					
	15.5	219	58.09	6000	1.4	DRC03 MX80K6	39	DRC03 80B5/B14	8016	40
	18.0	189	50.02	6000	1.6	DRCF03 MX80K6	39	DRCF03 80B5/B14	8016	40
	21	165	43.75	6000	1.8	DRCZ03 MX80K6	39	DRCZ03 80B5/B14	8016	40
	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					

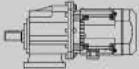
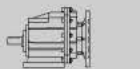
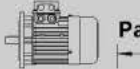
P _{1n} [kW]	n ₂ [r/min]	M _{2n} [Nm]	i	F _{r2} [N]	f _s		Page			Page
0.55	53	96	53.33	2320	1.2	DRC01 MX71D2	33	DRC01 71B5/B14	7122	34
	61	83	45.89	2210	1.5	DRCF01 MX71D2	33	DRCF01 71B5/B14	7122	34
	70	72	40.10	2110	1.7	DRCZ01 MX71D2	33	DRCZ01 71B5/B14	7122	34
	79	64	35.47	2030	1.9					
	98	51	28.50	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	DRC01 MX80K4	33	DRC01 80B5/B14	8014	34
	49	103	28.50	2380	1.2	DRCF01 MX80K4	33	DRCF01 80B5/B14	8014	34
	59	85	23.56	2230	1.4	DRCZ01 MX80K4	33	DRCZ01 80B5/B14	8014	34
	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	DRC01 MX80N6	33	DRC01 80B5/B14	8026	34
	45	111	19.83	2440	1.1	DRCF01 MX80N6	33	DRCF01 80B5/B14	8026	34
	62	82	14.62	2200	1.5	DRCZ01 MX80N6	33	DRCZ01 80B5/B14	8026	34
	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	DRC02 MX71D2	36	DRC02 71B5/B14	7122	37
	60	84	46.46*	3690	2.4	DRCF02 MX71D2	36	DRCF02 71B5/B14	7122	37
	69	73	40.60*	3530	2.7	DRCZ02 MX71D2	36	DRCZ02 71B5/B14	7122	37
	78	65	35.91*	3390	3.1					
	97	52	28.88*	3150	3.8					
	26	194	54.00*	4500	1.0	DRC02 MX80K4	36	DRC02 80B5/B14	8014	37
	30	167	46.46*	4500	1.2	DRCF02 MX80K4	36	DRCF02 80B5/B14	8014	37
	34	146	40.60*	4500	1.4	DRCZ02 MX80K4	36	DRCZ02 80B5/B14	8014	37
	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	DRC02 MX80N6	36	DRC02 80B5/B14	8026	37
	25	201	35.91*	4500	1.0	DRCF02 MX80N6	36	DRCF02 80B5/B14	8026	37
	31	162	28.88*	4500	1.2	DRCZ02 MX80N6	36	DRCZ02 80B5/B14	8026	37
	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					

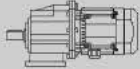
P _{1n} [kW]	n ₂ [r/min]	M _{2n} [Nm]	i	F _{r2} [N]	f _s		Page			Page
0.55	24	209	58.09	6000	1.4	DRC03 MX80K4	39	DRC03 80B5/B14	8014	40
	28	180	50.02	6000	1.7	DRCF03 MX80K4	39	DRCF03 80B5/B14	8014	40
	32	158	43.75	6000	1.9	DRCZ03 MX80K4	39	DRCZ03 80B5/B14	8014	40
	36	139	38.73	6000	2.2					
	40	125	34.62	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	DRC03 MX80N6	39	DRC03 80B5/B14	8026	40
	18.0	280	50.02	6000	1.1	DRCF03 MX80N6	39	DRCF03 80B5/B14	8026	40
	21	245	43.75	6000	1.2	DRCZ03 MX80N6	39	DRCZ03 80B5/B14	8026	40
	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	DRC04 MX80K4	42	DRC04 80B5/B14	8014	43
	28	180	50.02	8000	2.8	DRCF04 MX80K4	42	DRCF04 80B5/B14	8014	43
	32	158	43.75	8000	3.2	DRCZ04 MX80K4	42	DRCZ04 80B5/B14	8014	43
	36	139	38.73	8000	3.6					
	40	125	34.62	7950	4.0					
	15.5	325	58.09	8000	1.5	DRC04 MX80N6	42	DRC04 80B5/B14	8026	43
	18.0	280	50.02	8000	1.8	DRCF04 MX80N6	42	DRCF04 80B5/B14	8026	43
	21	245	43.75	8000	2.0	DRCZ04 MX80N6	42	DRCZ04 80B5/B14	8026	43
	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	DRC01 MX80K2	33	DRC01 80B5/B14	8012	34
	70	98	40.10	2110	1.2	DRCF01 MX80K2	33	DRCF01 80B5/B14	8012	34
	79	87	35.47	2030	1.4	DRCZ01 MX80K2	33	DRCZ01 80B5/B14	8012	34
	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	DRC01 MX80N4	33	DRC01 80B5/B14	8024	34
	71	97	19.83	2100	1.2	DRCF01 MX80N4	33	DRCF01 80B5/B14	8024	34
	78	88	17.86	2030	1.0	DRCZ01 MX80N4	33	DRCZ01 80B5/B14	8024	34
	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	DRC01 MX90S6	33	DRC01 90B5/B14	90S6	34
	76	91	11.90	2060	1.3	DRCF01 MX90S6	33	DRCF01 90B5/B14	90S6	34
	92	75	9.81	1930	1.6	DRCZ01 MX90S6	33	DRCZ01 90B5/B14	90S6	34
	98	70	9.17	1890	1.1					

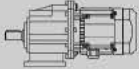
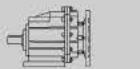
P _{1n} [kW]	n ₂ [r/min]	M _{2n} [Nm]	i	F _{r2} [N]	f _s		Page			Page
0.75	117	59	7.72	1780	1.4	DRC01 MX90S6	33	DRC01 90B5/B14	90S6	34
	158	43	5.69	1610	1.6	DRCF01 MX90S6	33	DRCF01 90B5/B14	90S6	34
	194	35	4.63	1500	2.0	DRCZ01 MX90S6	33	DRCZ01 90B5/B14	90S6	34
	236	29	3.82	1410	2.4					
	52	133	54.00*	3880	1.5	DRC02 MX80K2	36	DRC02 80B5/B14	8012	37
	60	114	46.46*	3690	1.8	DRCF02 MX80K2	36	DRCF02 80B5/B14	8012	37
	69	100	40.60*	3530	2.0	DRCZ02 MX80K2	36	DRCZ02 80B5/B14	8012	37
	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	DRC02 MX80N4	36	DRC02 80B5/B14	8024	37
	34	199	40.60*	4500	1.0	DRCF02 MX80N4	36	DRCF02 80B5/B14	8024	37
	39	176	35.91*	4270	1.1	DRCZ02 MX80N4	36	DRCZ02 80B5/B14	8024	37
	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	DRC02 MX90S6	36	DRC02 90B5/B14	90S6	37
	45	153	20.08*	4080	1.3	DRCF02 MX90S6	36	DRCF02 90B5/B14	90S6	37
	61	113	14.81*	3680	1.8	DRCZ02 MX90S6	36	DRCZ02 90B5/B14	90S6	37
	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	DRC03 MX80K2	39	DRC03 80B5/B14	8012	40
	56	123	50.02	5260	2.4	DRCF03 MX80K2	39	DRCF03 80B5/B14	8012	40
	64	107	43.75	5030	2.8	DRCZ03 MX80K2	39	DRCZ03 80B5/B14	8012	40
	72	95	38.73	4830	3.2					
	81	85	34.62	4650	3.5					
	24	285	58.09	6000	1.1	DRC03 MX80N4	39	DRC03 80B5/B14	8024	40
	28	246	50.02	6000	1.2	DRCF03 MX80N4	39	DRCF03 80B5/B14	8024	40
	32	215	43.75	6000	1.4	DRCZ03 MX80N4	39	DRCZ03 80B5/B14	8024	40
	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	DRC03 MX90S6	39	DRC03 90B5/B14	90S6	40
	26	264	34.62	6000	1.1	DRCF03 MX90S6	39	DRCF03 90B5/B14	90S6	40
	32	216	28.30	6000	1.4	DRCZ03 MX90S6	39	DRCZ03 90B5/B14	90S6	40
	41	166	21.78	5820	1.7					
	52	132	17.33	5400	2.1					
	60	115	15.06	5150	2.3					

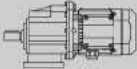
P _{1n} [kW]	n ₂ [r/min]	M _{2n} [Nm]	i	F _{r2} [N]	f _s		Page			Page
0.75	73	95	12.37	4820	2.8	DRC03 MX90S6	39	DRC03 90B5/B14	90S6	40
	88	79	10.28	4530	3.1	DRCF03 MX90S6	39	DRCF03 90B5/B14	90S6	40
	113	61	7.93*	4160	3.0	DRCZ03 MX90S6	39	DRCZ03 90B5/B14	90S6	40
	143	48	6.31	3850	3.7					
	164	42	5.48	3670	3.6					
	24	285	58.09	8000	1.8	DRC04 MX80N4	42	DRC04 80B5/B14	8024	43
	28	246	50.02	8000	2.0	DRCF04 MX80N4	42	DRCF04 80B5/B14	8024	43
	32	215	43.75	8000	2.3	DRCZ04 MX80N4	42	DRCZ04 80B5/B14	8024	43
	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	DRC04 MX90S6	42	DRC04 90B5/B14	90S6	43
	18.0	382	50.02	8000	1.3	DRCF04 MX90S6	42	DRCF04 90B5/B14	90S6	43
	21	334	43.75	8000	1.5	DRCZ04 MX90S6	42	DRCZ04 90B5/B14	90S6	43
	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	DRC01 MX80N2	33	DRC01 80B5/B14	8022	34
	119	85	23.56	1770	1.4	DRCF01 MX80N2	33	DRCF01 80B5/B14	8022	34
	141	71	19.83	1670	1.7	DRCZ01 MX80N2	33	DRCZ01 80B5/B14	8022	34
	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	DRC01 MX90S4	33	DRC01 90B5/B14	90S4	34
	118	86	11.90	1770	1.4	DRCF01 MX90S4	33	DRCF01 90B5/B14	90S4	34
	143	71	9.81	1660	1.7	DRCZ01 MX90S4	33	DRCZ01 90B5/B14	90S4	34
	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	DRC01 MX90L6	33	DRC01 90B5/B14	90L6	34
	117	87	7.72	1780	0.92	DRCF01 MX90L6	33	DRCF01 90B5/B14	90L6	34
	158	64	5.69	1610	1.1	DRCZ01 MX90L6	33	DRCZ01 90B5/B14	90L6	34
	194	52	4.63	1500	1.3					
	236	43	3.82	1410	1.6					
	52	194	54.00*	3880	1.0	DRC02 MX80N2	36	DRC02 80B5/B14	8022	37
	60	167	46.46*	3690	1.2	DRCF02 MX80N2	36	DRCF02 80B5/B14	8022	37
	69	146	40.60*	3530	1.4	DRCZ02 MX80N2	36	DRCZ02 80B5/B14	8022	37
	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					

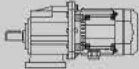
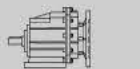
P _{1n} [kW]	n ₂ [r/min]	M _{2n} [Nm]	i	F _{r2} [N]	f _s		Page			Page
1.1	48	208	28.88*	3970	0.96	DRC02 MX90S4	36	DRC02 90B5/B14	90S4	37
	59	172	23.85*	3730	1.2	DRCF02 MX90S4	36	DRCF02 90B5/B14	90S4	37
	70	145	20.08*	3520	1.4	DRCZ02 MX90S4	36	DRCZ02 90B5/B14	90S4	37
	95	107	14.81*	3180	1.9					
	106	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	DRC02 MX90L6	36	DRC02 90B5/B14	90L6	37
	75	135	12.05	3440	1.5	DRCF02 MX90L6	36	DRCF02 90B5/B14	90L6	37
	91	111	9.93	3220	1.8	DRCZ02 MX90L6	36	DRCZ02 90B5/B14	90L6	37
	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	DRC03 MX80N2	39	DRC03 80B5/B14	8022	40
	56	180	50.02	5260	1.7	DRCF03 MX80N2	39	DRCF03 80B5/B14	8022	40
	64	158	43.75	5030	1.9	DRCZ03 MX80N2	39	DRCZ03 80B5/B14	8022	40
	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	DRC03 MX90S4	39	DRC03 90B5/B14	90S4	40
	36	279	38.73	6000	1.1	DRCF03 MX90S4	39	DRCF03 90B5/B14	90S4	40
	40	249	34.62	5860	1.2	DRCZ03 MX90S4	39	DRCZ03 90B5/B14	90S4	40
	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	DRC03 MX90L6	39	DRC03 90B5/B14	90L6	40
	41	244	21.78	5820	1.1	DRCF03 MX90L6	39	DRCF03 90B5/B14	90L6	40
	52	194	17.33	5400	1.4	DRCZ03 MX90L6	39	DRCZ03 90B5/B14	90L6	40
	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	DRC04 MX80N2	42	DRC04 80B5/B14	8022	43
	56	180	50.02	7130	2.8	DRCF04 MX80N2	42	DRCF04 80B5/B14	8022	43
	64	158	43.75	6820	3.2	DRCZ04 MX80N2	42	DRCZ04 80B5/B14	8022	43
	72	139	38.73	6550	3.6					
	81	125	34.62	6310	4.0					

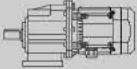
P _{1n} [kW]	n ₂ [r/min]	M _{2n} [Nm]	i	F _{r2} [N]	f _s		Page			Page
1.1	24	418	58.09	8000	1.2	DRC04 MX90S4	42	DRC04 90B5/B14	90S4	43
	28	360	50.02	8000	1.4	DRCF04 MX90S4	42	DRCF04 90B5/B14	90S4	43
	32	315	43.75	8000	1.6	DRCZ04 MX90S4	42	DRCZ04 90B5/B14	90S4	43
	36	279	38.73	8000	1.8					
	40	249	34.62	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	DRC04 MX90L6	42	DRC04 90B5/B14	90L6	43
	23	434	38.73	8000	1.2	DRCF04 MX90L6	42	DRCF04 90B5/B14	90L6	43
	26	388	34.62	8000	1.3	DRCZ04 MX90L6	42	DRCZ04 90B5/B14	90L6	43
	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	DRC05 MX90S4	45	DRC05 TAM90	90S4	46
	28	360	50.02	8000	1.4	DRCF05 MX90S4	45	DRCF05 TAM90	90S4	46
	32	315	43.75	8000	1.6	DRCZ05 MX90S4	45	DRCZ05 TAM90	90S4	46
	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	DRC05 MX90L6	45	DRC05 TAM90	90L6	46
	23	434	38.73	8000	1.2	DRCF05 MX90L6	45	DRCF05 TAM90	90L6	46
	26	388	34.62	8000	1.3	DRCZ05 MX90L6	45	DRCZ05 TAM90	90L6	46
	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	DRC01 MX90S2	33	DRC01 90B5/B14	90S2	34
	141	97	19.83	1670	1.2	DRCF01 MX90S2	33	DRCF01 90B5/B14	90S2	34
	192	72	14.62	1510	1.7	DRCZ01 MX90S2	33	DRCZ01 90B5/B14	90S2	34
	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					

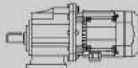
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1.5	118	117	11.90	1770	1.0	DRC01 MX90L4	33	DRC01 90B5/B14	90L4	34
	143	96	9.81	1660	1.2	DRCF01 MX90L4	33	DRCF01 90B5/B14	90L4	34
	153	90	9.17	1630	0.89	DRCZ01 MX90L4	33	DRCZ01 90B5/B14	90L4	34
	181	76	7.72	1540	1.1					
	246	56	5.69	1390	1.3					
	302	45	4.63	1290	1.5					
	366	38	3.82	1210	1.9					
	69	199	40.60*	3530	1.0	DRC02 MX90S2	36	DRC02 90B5/B14	90S2	37
	78	176	35.91*	3390	1.1	DRCF02 MX90S2	36	DRCF02 90B5/B14	90S2	37
	97	142	28.88*	3150	1.4	DRCZ02 MX90S2	36	DRCZ02 90B5/B14	90S2	37
	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	DRC02 MX90L4	36	DRC02 90B5/B14	90L4	37
	116	118	12.05	2970	1.7	DRCF02 MX90L4	36	DRCF02 90B5/B14	90L4	37
	141	98	9.93	2780	2.1	DRCZ02 MX90L4	36	DRCZ02 90B5/B14	90L4	37
	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	DRC03 MX90S2	39	DRC03 90B5/B14	90S2	40
	56	246	50.02	5260	1.2	DRCF03 MX90S2	39	DRCF03 90B5/B14	90S2	40
	64	215	43.75	5030	1.4	DRCZ03 MX90S2	39	DRCZ03 90B5/B14	90S2	40
	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	DRC03 MX90L4	39	DRC03 90B5/B14	90L4	40
	49	278	28.30	5480	1.1	DRCF03 MX90L4	39	DRCF03 90B5/B14	90L4	40
	64	214	21.78	5020	1.3	DRCZ03 MX90L4	39	DRCZ03 90B5/B14	90L4	40
	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	DRC03 MX100M6	39	DRC03 100B5/B14	100L6	40
	60	230	15.06	5150	1.1	DRCF03 MX100M6	39	DRCF03 100B5/B14	100L6	40
	73	189	12.37	4820	1.4	DRCZ03 MX100M6	39	DRCZ03 100B5/B14	100L6	40
	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					

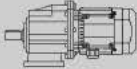
P _{1n} [kW]	n ₂ [r/min]	M _{2n} [Nm]	i	F _{r2} [N]	f _s		Page			Page
1.5	48	285	58.09	7500	1.8	DRC04 MX90S2	42	DRC04 90B5/B14 90S2		43
	56	246	50.02	7130	2.0	DRCF04 MX90S2	42	DRCF04 90B5/B14 90S2		43
	64	215	43.75	6820	2.3	DRCZ04 MX90S2	42	DRCZ04 90B5/B14 90S2		43
	72	190	38.73	6550	2.6					
	81	170	34.62	6310	2.9					
	99	139	28.30	5900	3.6					
	24	571	58.09	8000	0.88	DRC04 MX90L4	42	DRC04 90B5/B14 90L4		43
	28	491	50.02	8000	1.0	DRCF04 MX90L4	42	DRCF04 90B5/B14 90L4		43
	32	430	43.75	8000	1.2	DRCZ04 MX90L4	42	DRCZ04 90B5/B14 90L4		43
	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	DRC04 MX100M6	42	DRC04 100B5/B14 100L6		43
	32	432	28.30	8000	1.2	DRCF04 MX100M6	42	DRCF04 100B5/B14 100L6		43
	41	333	21.78	7890	1.4	DRCZ04 MX100M6	42	DRCZ04 100B5/B14 100L6		43
	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	DRC05 MX90S2	45	DRC05 TAM90 90S2		46
	56	246	50.02	7130	2.0	DRCF05 MX90S2	45	DRCF05 TAM90 90S2		46
	64	215	43.75	6820	2.3	DRCZ05 MX90S2	45	DRCZ05 TAM90 90S2		46
	72	190	38.73	6550	2.6					
	81	170	34.62	6310	2.9					
	99	139	28.30	5900	3.6	<i>Albero in uscita Ø 40 Output shaft Ø 40</i>		<i>Albero in uscita Ø 40 Output shaft Ø 40</i>		
	24	571	58.09	8000	0.88	DRC05 MX90L4	45	DRC05 TAM90 90L4		46
	28	491	50.02	8000	1.0	DRCF05 MX90L4	45	DRCF05 TAM90 90L4		46
	32	430	43.75	8000	1.2	DRCZ05 MX90L4	45	DRCZ05 TAM90 90L4		46
	36	380	38.73	8000	1.3					
	40	340	34.62	7950	1.5	<i>Albero in uscita Ø 40 Output shaft Ø 40</i>		<i>Albero in uscita Ø 40 Output shaft Ø 40</i>		
	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					

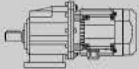
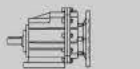
P _{1n} [kW]	n ₂ [r/min]	M _{2n} [Nm]	i	F _{r2} [N]	f _s		Page			Page
1.5	26	529	34.62	8000	0.95	DRC05 MX100M6 DRCF05 MX100M6 DRCZ05 MX100M6 <i>Albero in uscita Ø 40</i> <i>Output shaft Ø 40</i>	45	DRC05 TAM100 DRCF05 TAM100 DRCZ05 TAM100 <i>Albero in uscita Ø 40</i> <i>Output shaft Ø 40</i>	100L6	46
	32	432	28.30	8000	1.2		45			46
	41	333	21.78	7890	1.4		45			46
	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					
2.2	97	208	28.88*	3150	0.96	DRC02 MX90L2 DRCF02 MX90L2 DRCZ02 MX90L2	36	DRC02 90B5/B14 DRCF02 90B5/B14 DRCZ02 90B5/B14	90L2	37
	117	172	23.85*	2960	1.2		36			37
	139	145	20.08*	2790	1.4		36			37
	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	DRC03 MX90L2 DRCF03 MX90L2 DRCZ03 MX90L2	39	DRC03 90B5/B14 DRCF03 90B5/B14 DRCZ03 90B5/B14	90L2	40
	72	279	38.73	4830	1.1		39			40
	81	249	34.62	4650	1.2		39			40
	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	DRC03 MX100M4 DRCF03 MX100M4 DRCZ03 MX100M4	39	DRC03 100B5/B14 DRCF03 100B5/B14 DRCZ03 100B5/B14	100LA4	40
	81	250	17.33	4660	1.1		39			40
	93	217	15.06	4440	1.2		39			40
	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	DRC03 MX112M6 DRCF03 MX112M6 DRCZ03 MX112M6	39	DRC03 112B5/B14 DRCF03 112B5/B14 DRCZ03 112B5/B14	112M6	40
	88	230	10.28	4530	1.0		39			40
	113	178	7.93*	4160	1.0		39			40
	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	DRC04 MX90L2 DRCF04 MX90L2 DRCZ04 MX90L2	42	DRC04 90B5/B14 DRCF04 90B5/B14 DRCZ04 90B5/B14	90L2	43
	56	360	50.02	7130	1.4		42			43
	64	315	43.75	6820	1.6		42			43

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	DRC04 MX90L2	42	DRC04 90B5/B14	90L2	43
	81	249	34.62	6310	2.0	DRCF04 MX90L2	42	DRCF04 90B5/B14	90L2	43
	99	204	28.30	5900	2.5	DRCZ04 MX90L2	42	DRCZ04 90B5/B14	90L2	43
	129	157	21.78	5410	3.1					
	162	125	17.33	5010	3.8					
	40	499	34.62	7950	1.0	DRC04 MX100M4	42	DRC04 100B5/B14	100LA4	43
	49	408	28.30	7430	1.2	DRCF04 MX100M4	42	DRCF04 100B5/B14	100LA4	43
	64	314	21.78	6810	1.5	DRCZ04 MX100M4	42	DRCZ04 100B5/B14	100LA4	43
	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	DRC04 MX112M6	42	DRC04 112B5/B14	112M6	43
	52	388	17.33	7310	1.2	DRCF04 MX112M6	42	DRCF04 112B5/B14	112M6	43
	60	338	15.06	6980	1.4	DRCZ04 MX112M6	42	DRCZ04 112B5/B14	112M6	43
	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	DRC05 MX90L2	45	DRC05 TAM90	90L2	46
	81	249	34.62	6310	2.0	DRCF05 MX90L2	45	DRCF05 TAM90	90L2	46
	99	204	28.30	5900	2.5	DRCZ05 MX90L2	45	DRCZ05 TAM90	90L2	46
	129	157	21.78	5410	3.1	<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>		
	162	125	17.33	5010	3.8					
	40	499	34.62	7950	1.0	DRC05 MX100M4	45	DRC05 TAM100	100LA4	46
	49	408	28.30	7430	1.2	DRCF05 MX100M4	45	DRCF05 TAM100	100LA4	46
	64	314	21.78	6810	1.5	DRCZ05 MX100M4	45	DRCZ05 TAM100	100LA4	46
	81	250	17.33	6310	1.9					
	93	217	15.06	6020	2.1	<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>		
	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	DRC05 MX112M6	45	DRC05 TAM112	112M6	46
	52	388	17.33	7310	1.2	DRCF05 MX112M6	45	DRCF05 TAM112	112M6	46
	60	338	15.06	6980	1.4	DRCZ05 MX112M6	45	DRCZ05 TAM112	112M6	46
	73	277	12.37	6540	1.7					
	88	230	10.28	6150	1.9	<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>		
	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					

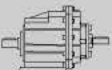
P_{1n} [kW]	n_2 [r/min]	M_{2n} [Nm]	i	F_{r2} [N]	f_s		Page			Page
3.0	99	278	28.30	4350	1.1	DRC03 MX100M2	39	DRC03 100B5/B14	100L2	40
	129	214	21.78	3990	1.3		39			40
	162	170	17.33	3690	1.6		39			40
	186	148	15.06	3530	1.8					
	226	122	12.37	3300	2.1					
	272	101	10.28	3100	2.4					
	353	78	7.93*	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	DRC03 MX100L4	39	DRC03 100B5/B14	100LB4	40
	113	243	12.37	4160	1.1		39			40
	136	202	10.28	3910	1.2		39			40
	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	DRC04 MX100M2	42	DRC04 100B5/B14	100L2	43
	99	278	28.30	5900	1.8		42			43
	129	214	21.78	5410	2.2		42			43
	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					

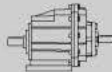
P_{1n} [kW]	n_2 [r/min]	M_{2n} [Nm]	i	F_{r2} [N]	f_s		Page			Page		
3.0	49	556	28.30	7430	0.90	DRC04 MX100L4 DRCF04 MX100L4 DRCZ04 MX100L4	42	DRC04 100B5/B14 DRCF04 100B5/B14 DRCZ04 100B5/B14	100LB4	43		
	64	428	21.78	6810	1.1		42			43		
	81	340	17.33	6310	1.4		42			43		
	93	296	15.06	6020	1.6							
	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	DRC05 MX100M2 DRCF05 MX100M2 DRCZ05 MX100M2	45	DRC05 TAM100 DRCF05 TAM100 DRCZ05 TAM100	100L2	46		
	64	428	21.78	6810	1.1		45			46		
	81	340	17.33	6310	1.4		45			46		
	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	DRC05 MX100L4 DRCF05 MX100L4 DRCZ05 MX100L4	45	DRC05 TAM100 DRCF05 TAM100 DRCZ05 TAM100	100LB4	46		
	99	278	28.30	5900	1.8		45			46		
	129	214	21.78	5410	2.2		45			46		
	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	DRC03 MX112M2	39	DRC03 112B5/B14 112M2	112M2	40
	186	197	15.06	3530	1.3		39			40
	226	162	12.37	3300	1.6		39			40
	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	DRC03 MX112M4	39	DRC03 112B5/B14 112M4	112M4	40
	177	208	7.93*	3590	0.87		39			40
	222	165	6.31	3320	1.1		39			40
	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	DRC04 MX112M2	42	DRC04 112B5/B14 112M2	112M2	43
	99	371	28.30	5900	1.3		42			43
	129	285	21.78	5410	1.7		42			43
	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	DRC04 MX112M4	42	DRC04 112B5/B14 112M4	112M4	43
	93	394	15.06	6020	1.2		42			43
	113	324	12.37	5640	1.4		42			43
	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	DRC05 MX112M2	45	DRC05 TAM112	112M2	46
	99	371	28.30	5900	1.3	DRCF05 MX112M2	45	DRCF05 TAM112	112M2	46
	129	285	21.78	5410	1.7	DRCZ05 MX112M2	45	DRCZ05 TAM112	112M2	46
	162	227	17.33	5010	2.1	Albero in uscita Ø 40 <i>Ouput shaft Ø 40</i>		Albero in uscita Ø 40 <i>Ouput 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	DRC05 MX112M4	45	DRC05 TAM112	112M4	46
	93	394	15.06	6020	1.2	DRCF05 MX112M4	45	DRCF05 TAM112	112M4	46
	113	324	12.37	5640	1.4	DRCZ05 MX112M4	45	DRCZ05 TAM112	112M4	46
	136	269	10.28	5300	1.6	Albero in uscita Ø 40 <i>Ouput shaft Ø 40</i>		Albero in uscita Ø 40 <i>Ouput 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					

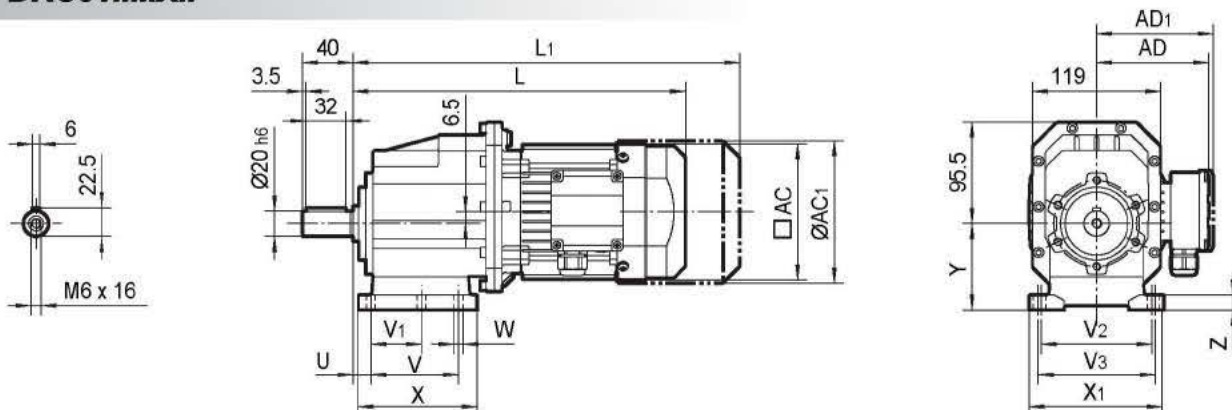
6.3 DRC..HS.. Performance parameter

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	DRC01-HS DRCF01-HS DRCZ01-HS	33
120	30.5	45.89	0.40	1400	2600	800		33
120	34.9	40.10	0.46	1400	2600	800		33
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	DRC02-HS DRCF02-HS DRCZ02-HS	36
200	30.1	46.46	0.66	1400	4500	800		36
200	34.5	40.60	0.75	1400	4500	800		36
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	DRC03-HS DRCF03-HS DRCZ03-HS	39
300	28.0	50.02	0.92	1400	6000	1200		39
300	32.0	43.75	1.05	1400	6000	1200		39
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		

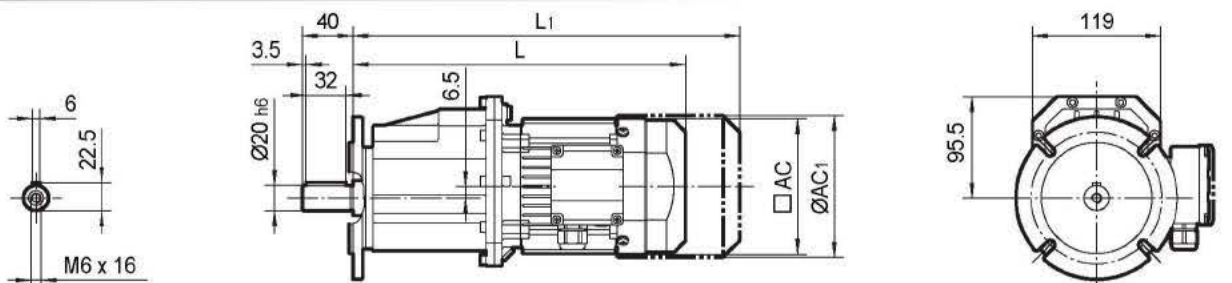
M_{2max} [Nm]	n_2 [r/min]	i	P_{1n} [kW]	n_1 [r/min]	F_{r2}	F_{r1}		Page 
500	24.1	58.09	1.31	1400	8000	1200	DRC04-HS	42
500	28.0	50.02	1.53	1400	8000	1200	DRCF04-HS	42
500	32.0	43.75	1.75	1400	8000	1200	DRCZ04-HS	42
500	36.1	38.73	1.97	1400	8000	1200		
500	40.4	34.62	2.21	1400	7950	1200		
500	49.5	28.30	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	DRC05-HS	45
500	28.0	50.02	1.53	1400	8000	1200	DRCF05-HS	45
500	32.0	43.75	1.75	1400	8000	1200	DRCZ05-HS	45
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		

7. OUTLINE DIMENSION SHEET

DRC01..MX..

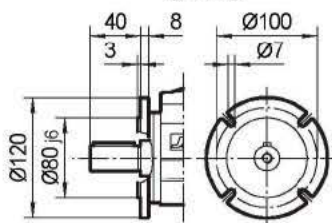


DRCF01..MX..



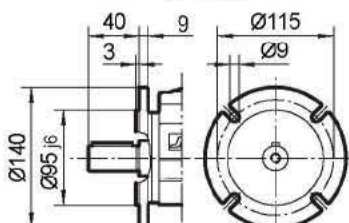
I

Ø120



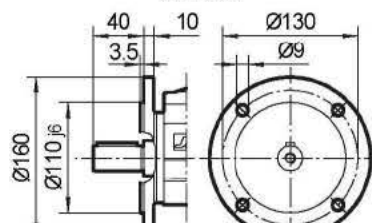
II

Ø140

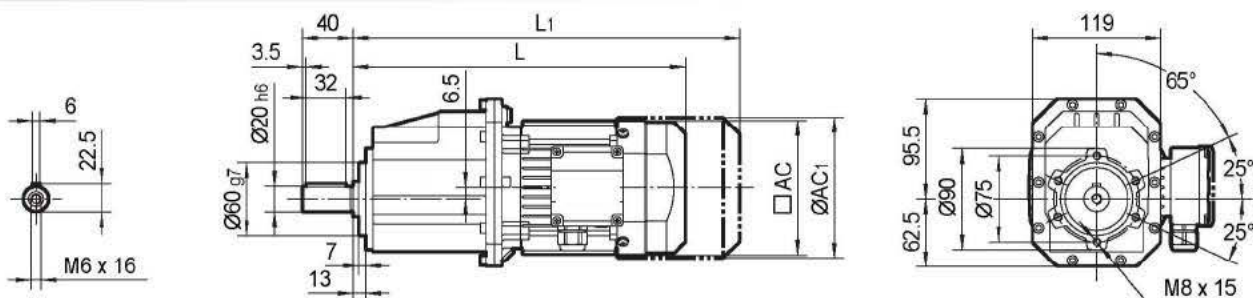


III

Ø160



DRCZ01..MX..

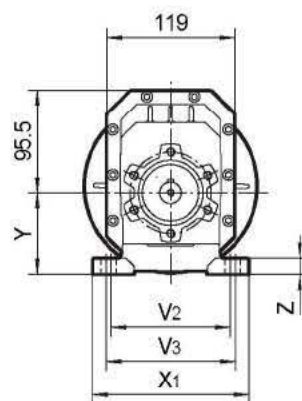
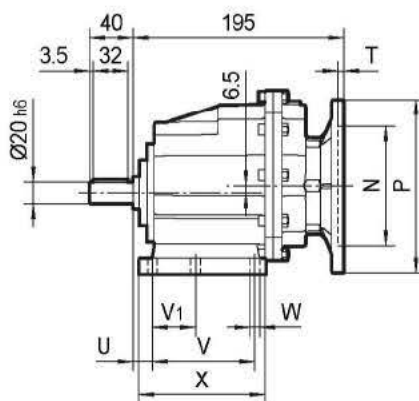
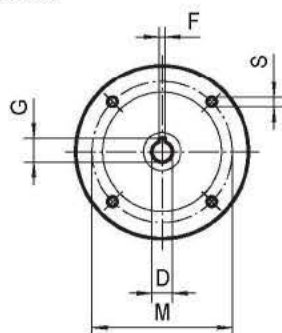


Motor Type	L	L1	AC	AC1	AD	AD1
MX63	305	360	132	132	105	105
MX71	320	384	134	148	122	127
MX80	355	419	134	148	122	127
MX90	386	471	182	203	154	161

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

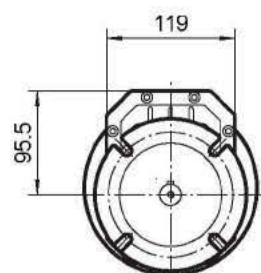
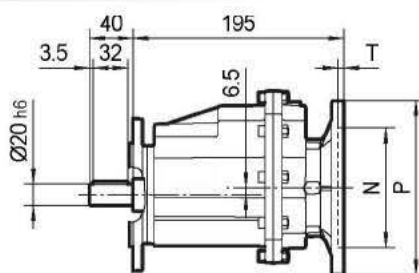
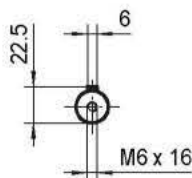
DRC01..P(IEC)

INPUT



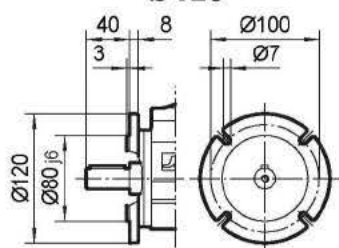
DRCF01..P(IEC)

OUTPUT



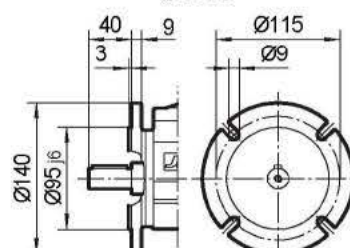
I

Ø120



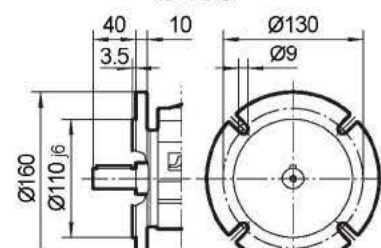
II

Ø140

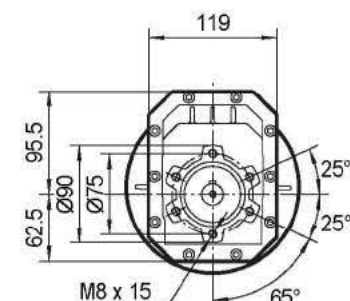
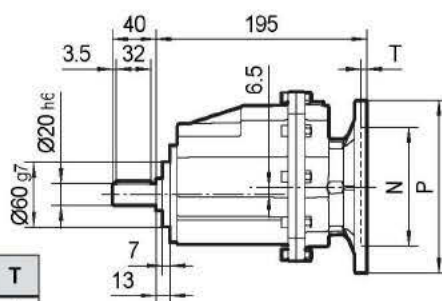


III

Ø160



DRCZ01..P(IEC)

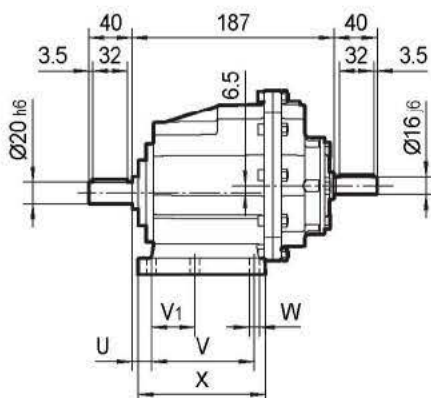
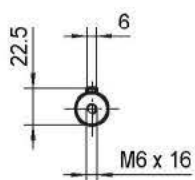


IEC	D _{IE8}	F	G	P	M	N	S	T
P63B5	11	4	12.8	140	115	95	9	4
P71B5	14	5	16.3	160	130	110	9	4
P71B14	14	5	16.3	105	85	70	7	4
P80B5	19	6	21.8	200	165	130	11	4
P80B14	19	6	21.8	120	100	80	7	4
P90B5	24	8	27.3	200	165	130	11	4
P90B14	24	8	27.3	140	115	95	9	4

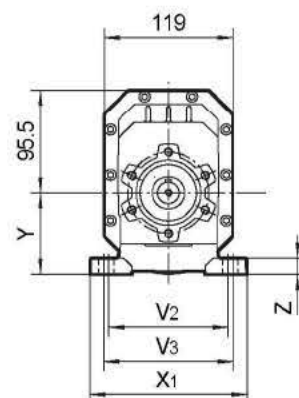
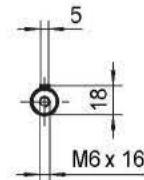
Foot Code	U	V	V ₁	V ₂	V ₃	W	X	X ₁	Y	Z
PB	18	87	50	110	—	9	118	130	85	15
PM	18	80	—	110	120	9	118	145	75	15
PS	18	50	—	—	110	9	90	132	75	13

DRC01..HS

OUTPUT

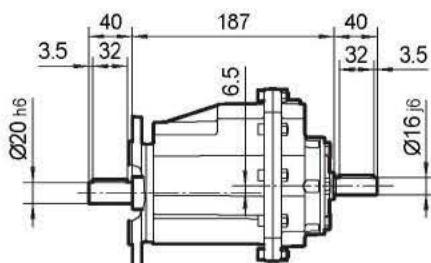
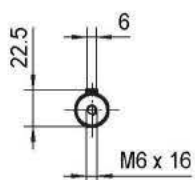


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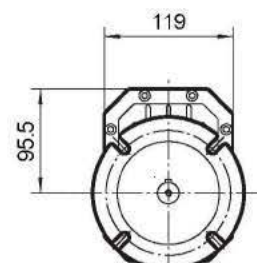
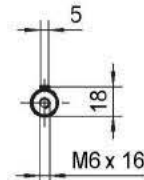


DRCF01..HS

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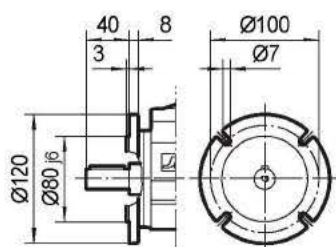


INPUT



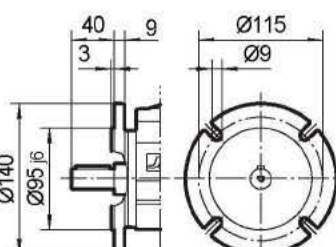
I

Ø120



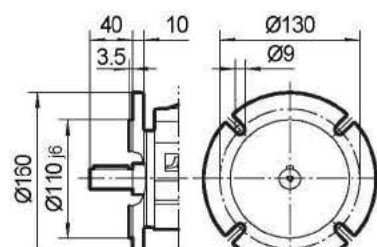
II

Ø140



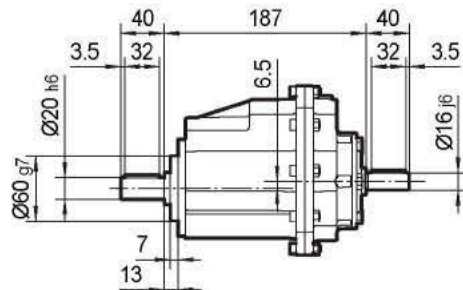
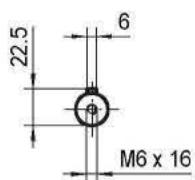
III

Ø160

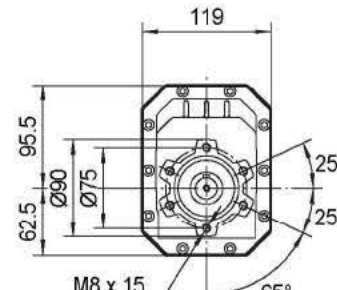


DRCZ01..HS

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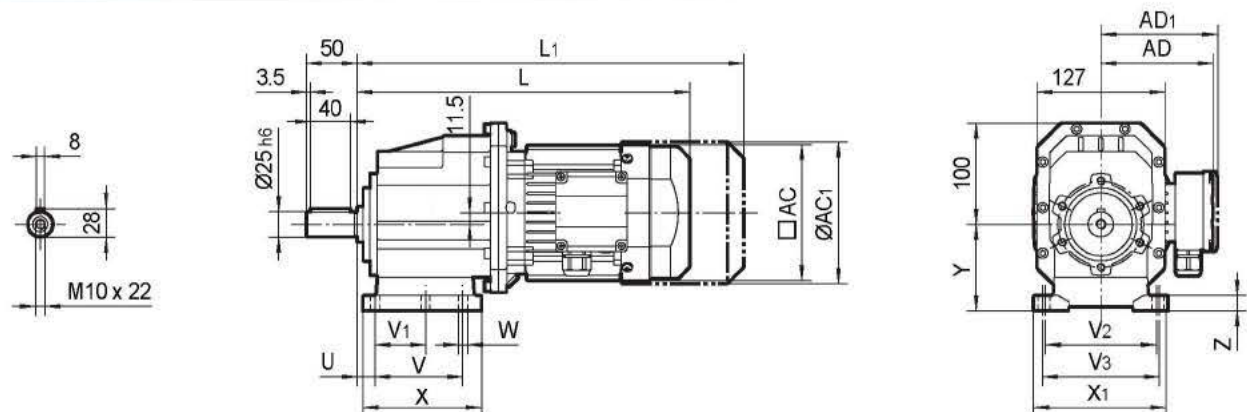


INPUT

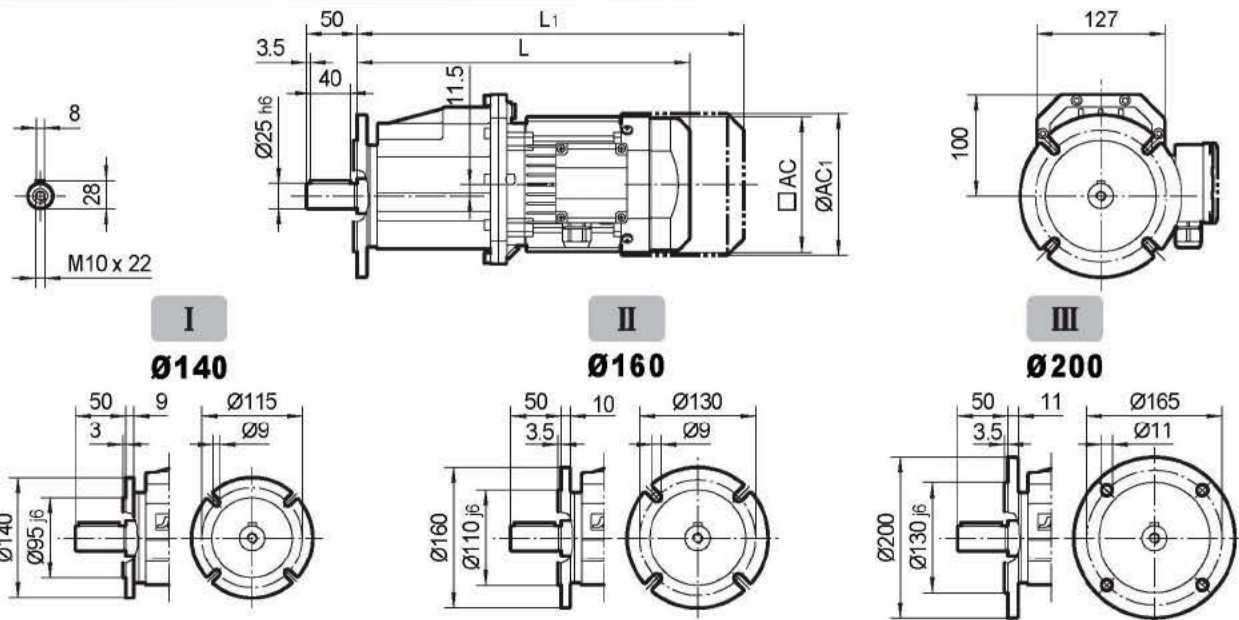


Foot Code	U	V	V1	V2	V3	W	X	X1	Y	Z
PB	18	87	50	110	—	9	118	130	85	15
PM	18	80	—	110	120	9	118	145	75	15
PS	18	50	—	—	110	9	90	132	75	13

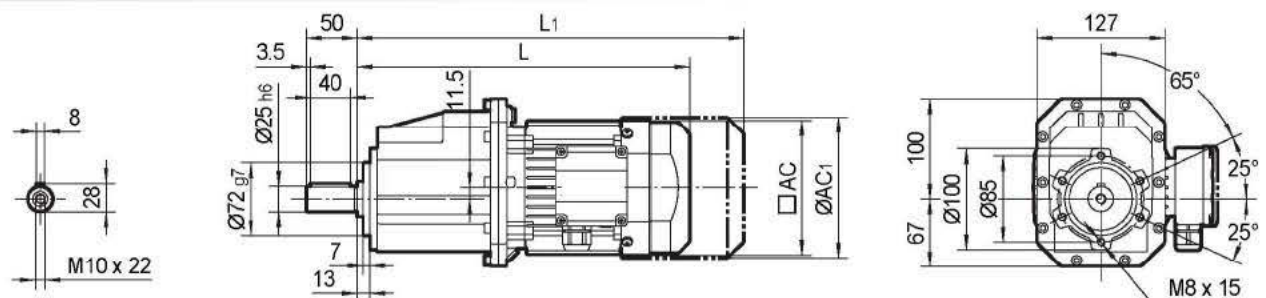
DRC02..MX..



DRCF02..MX..



DRCZ02..MX..

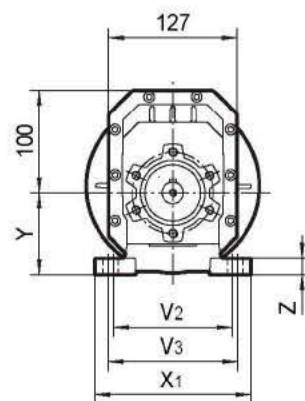
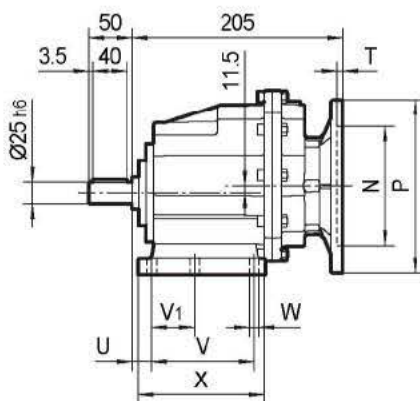
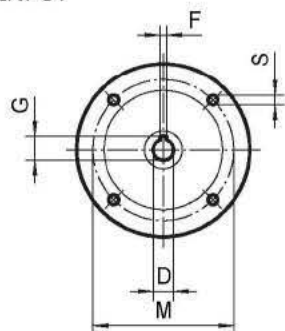


Motor Type	L	L1	AC	AC1	AD	AD1
MX63	315	370	132	132	105	105
MX71	330	394	134	148	122	127
MX80	365	429	134	148	122	127
MX90	396	481	182	203	154	161

Foot Code	U	V	V1	V2	V3	W	X	X1	Y	Z
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

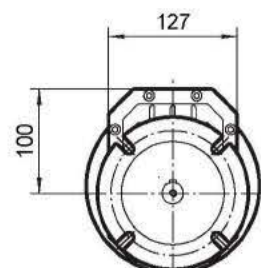
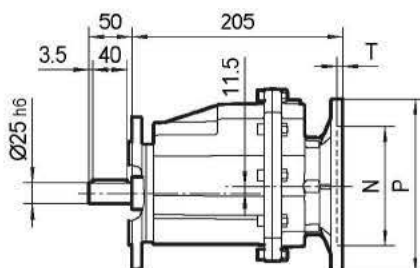
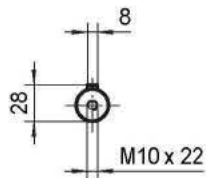
DRC02..P(IEC)

INPUT



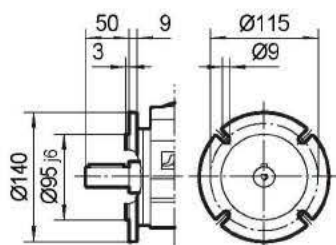
DRCF02..P(IEC)

OUTPUT



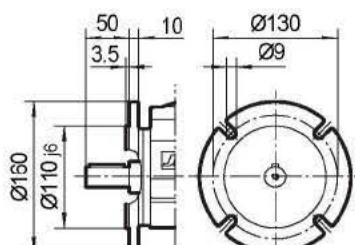
I

Ø140



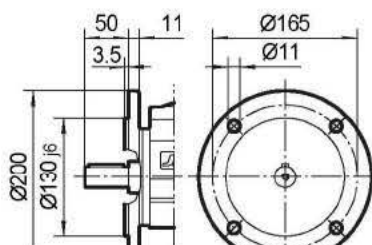
II

Ø160

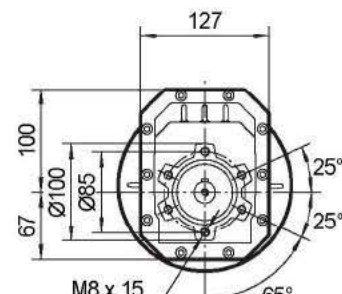
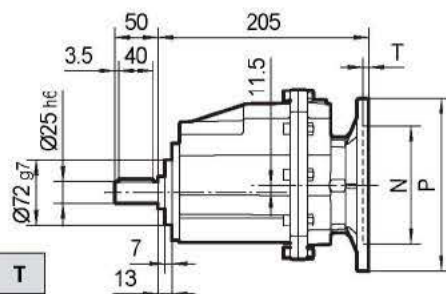


III

Ø200



DRCZ02..P(IEC)

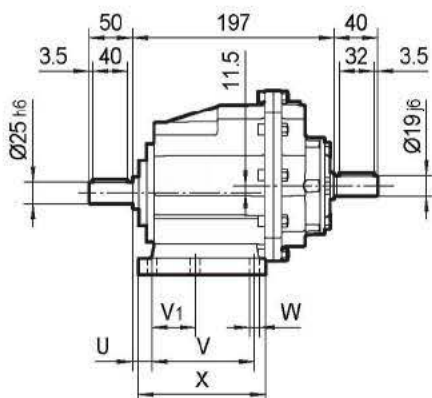
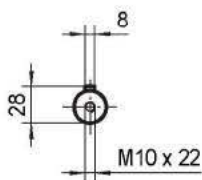


IEC	DE8	F	G	P	M	N	S	T
P63B5	11	4	12.8	140	115	95	9	4
P71B5	14	5	16.3	160	130	110	9	4
P71B14	14	5	16.3	105	85	70	7	4
P80B5	19	6	21.8	200	165	130	11	4
P80B14	19	6	21.8	120	100	80	7	4
P90B5	24	8	27.3	200	165	130	11	4
P90B14	24	8	27.3	140	115	95	9	4

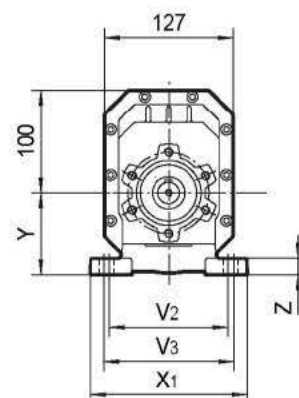
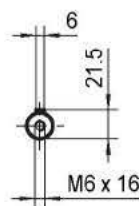
Foot Code	U	V	V1	V2	V3	W	X	X1	Y	Z
PB	18	107.5	60	130	—	11	136	155	100	17
PM	25	85	—	110	120	9	112	145	80	15
PS	25	130	—	—	110	9	160	—	90	20

DRC02..HS

OUTPUT

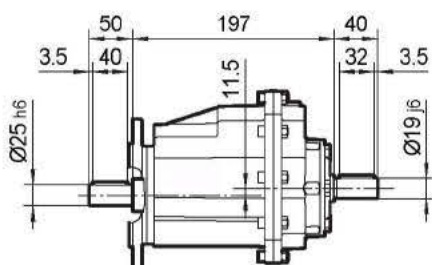
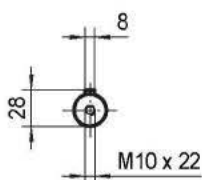


INPUT

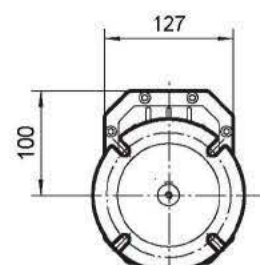
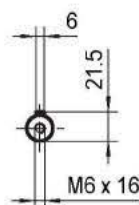


DRCF02..HS

OUTPUT

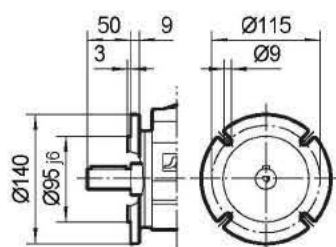


INPUT



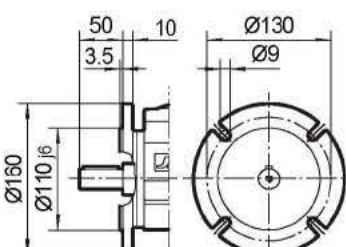
I

Ø140



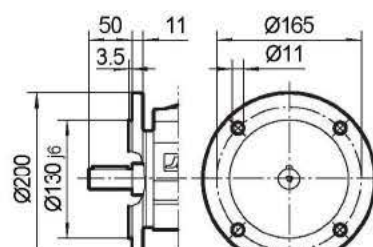
II

Ø160



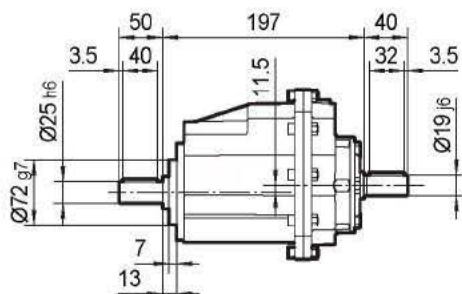
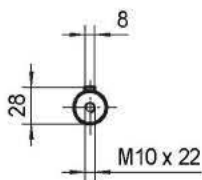
III

Ø200

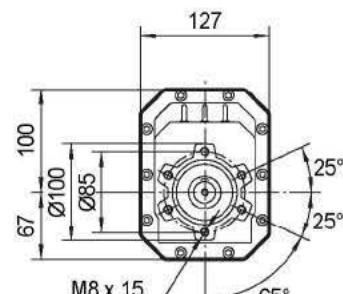
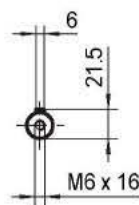


DRCZ02..HS

OUTPUT

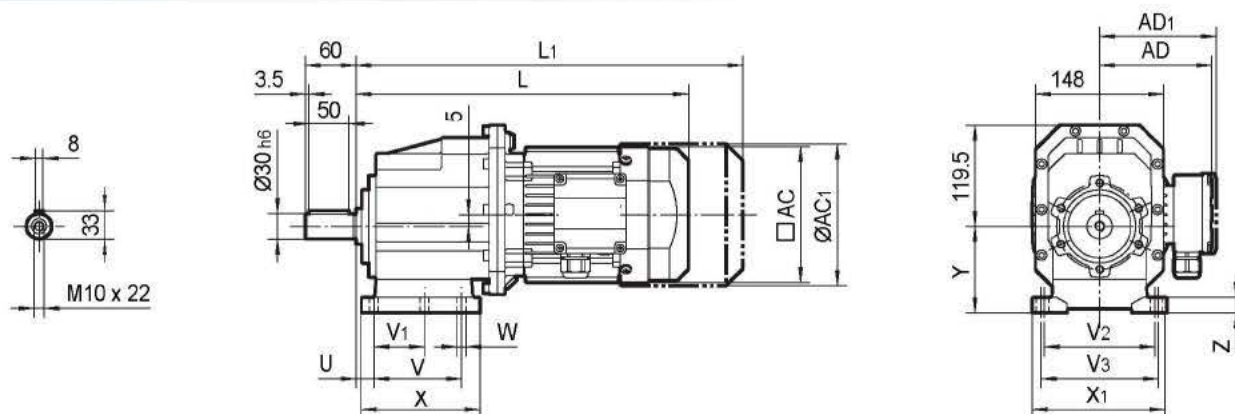


INPUT

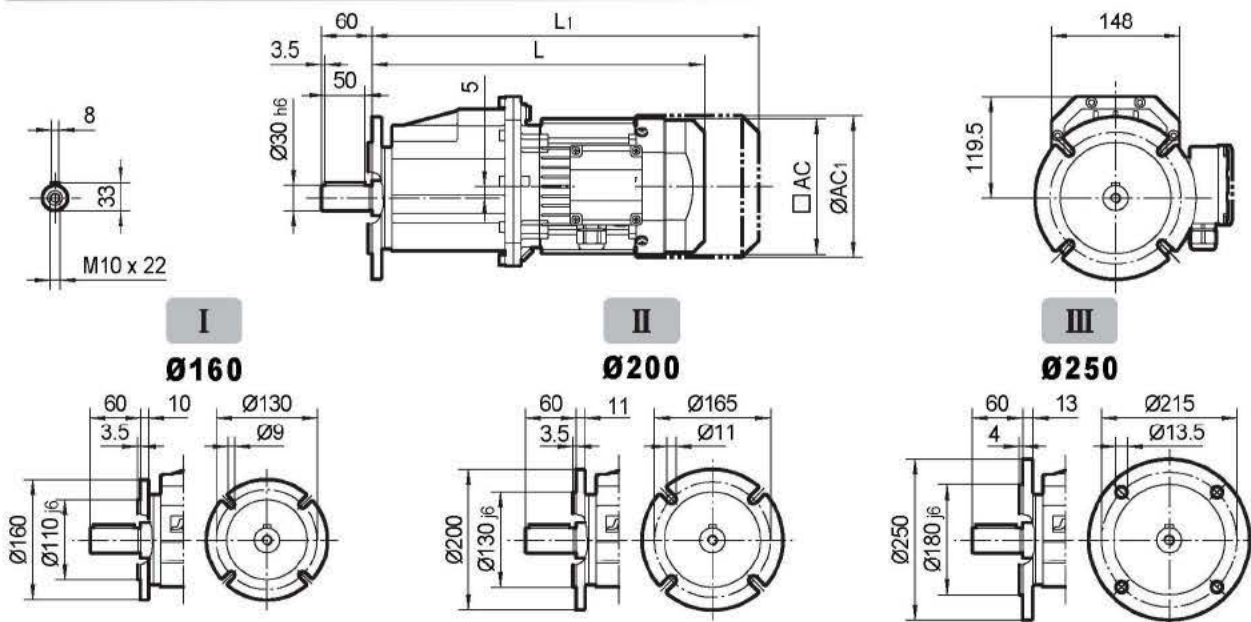


Foot Code	U	V	V1	V2	V3	W	X	X1	Y	Z
PB	18	107.5	60	130	—	11	136	155	100	17
PM	25	85	—	110	120	9	112	145	80	15
PS	25	130	—	—	110	9	160	—	90	20

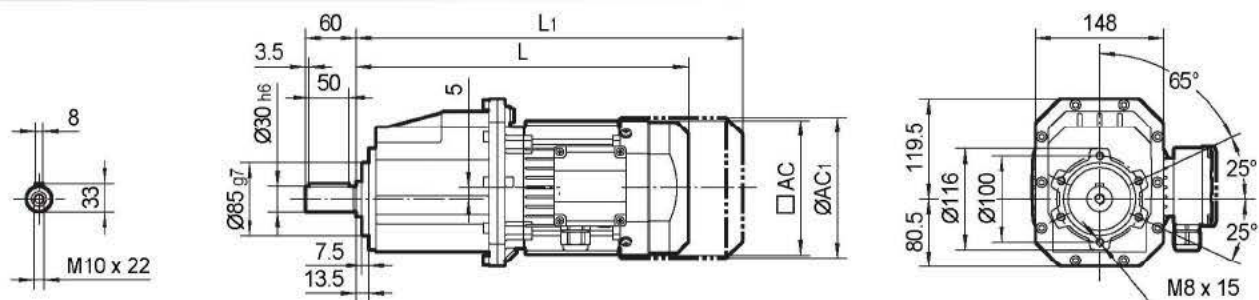
DRC03..MX..



DRCF03..MX..



DRCZ03..MX..

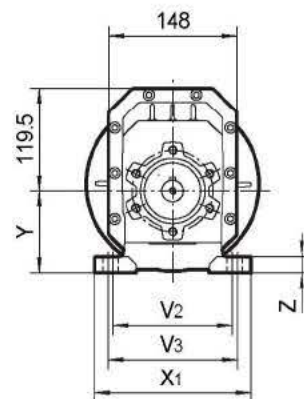
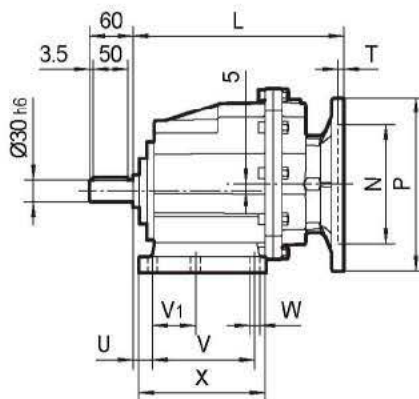
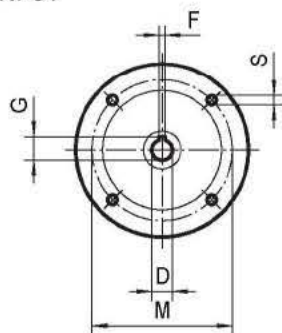


Motor Type	L	L1	AC	AC1	AD	AD1
MX71	345	409	134	148	122	127
MX80	380	444	134	148	122	127
MX90	411	496	182	203	154	161
MX100M	451	536	182	203	154	161
MX100L	481	566	182	203	154	161
MX112	492	572	206	221	179	182

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

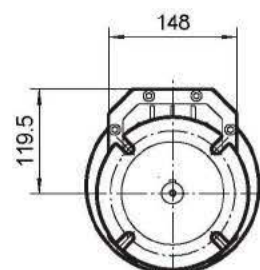
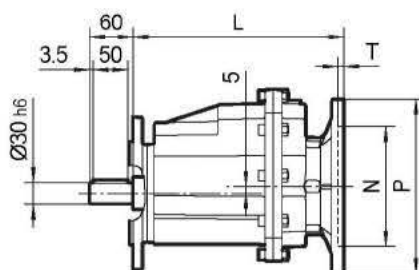
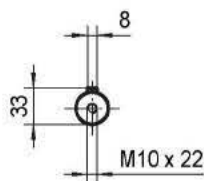
DRC03..P(IEC)

INPUT



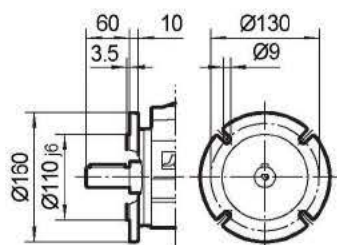
DRCF03..P(IEC)

OUTPUT



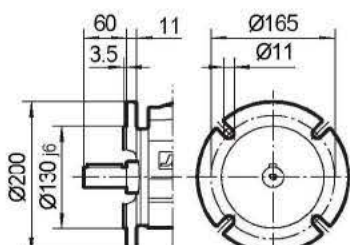
I

Ø160



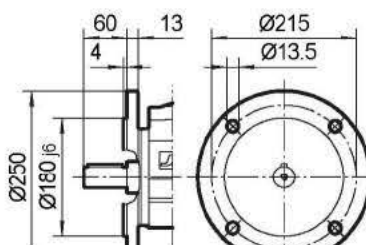
II

Ø200

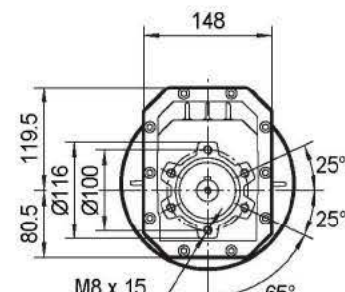
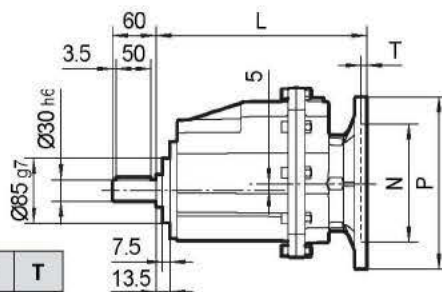


III

Ø250



DRCZ03..P(IEC)

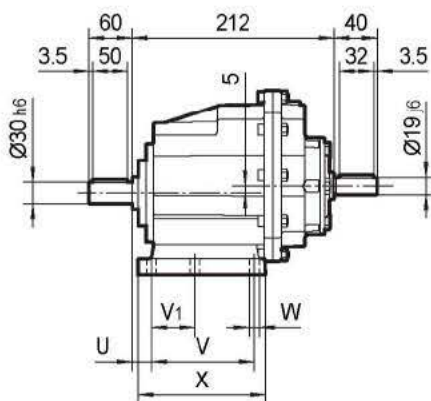
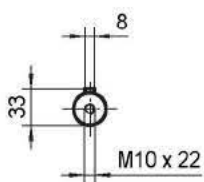


IEC	DE8	F	G	P	L	M	N	S	T
P71B5	14	5	16.3	160	220	130	110	9	4
P80B5	19	6	21.8	200	220	165	130	11	4
P80B14	19	6	21.8	120	220	100	80	7	4
P90B5	24	8	27.3	200	220	165	130	11	4
P90B14	24	8	27.3	140	220	115	95	9	4
P100/112B6	28	8	31.3	250	237	215	180	13.5	4.5
P100/112B14	28	8	31.3	160	237	130	110	9	4.5

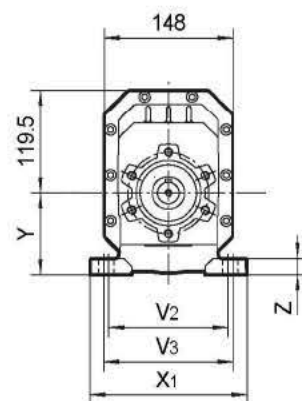
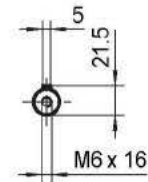
Foot Code	U	V	V1	V2	V3	W	X	X1	Y	Z
PB	18	130	70	160	—	11	156	190	110	20
PM	30	100	—	135	150	11	150	190	110	18
PS	30	165	—	—	135	14	195	—	115	20

DRC03..HS

OUTPUT

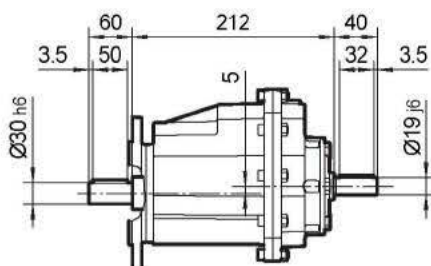
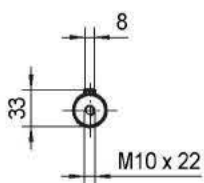


INPUT

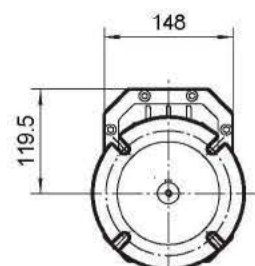
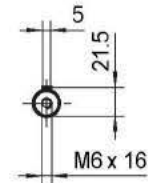


DRCF03..HS

OUTPUT

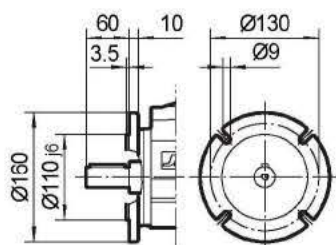


INPUT



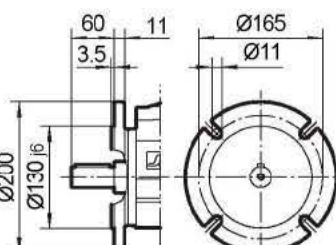
I

Ø160



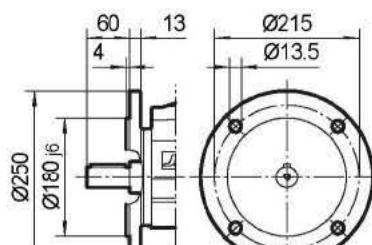
II

Ø200



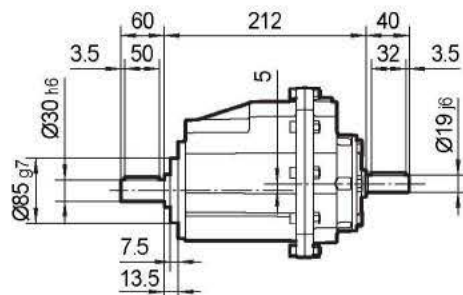
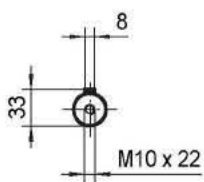
III

Ø250

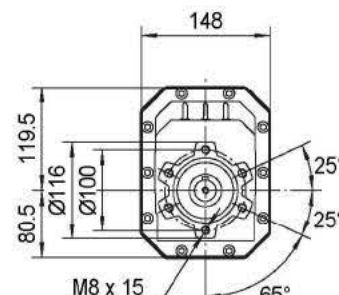
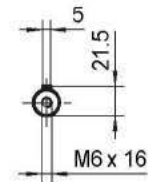


DRCZ03..HS

OUTPUT

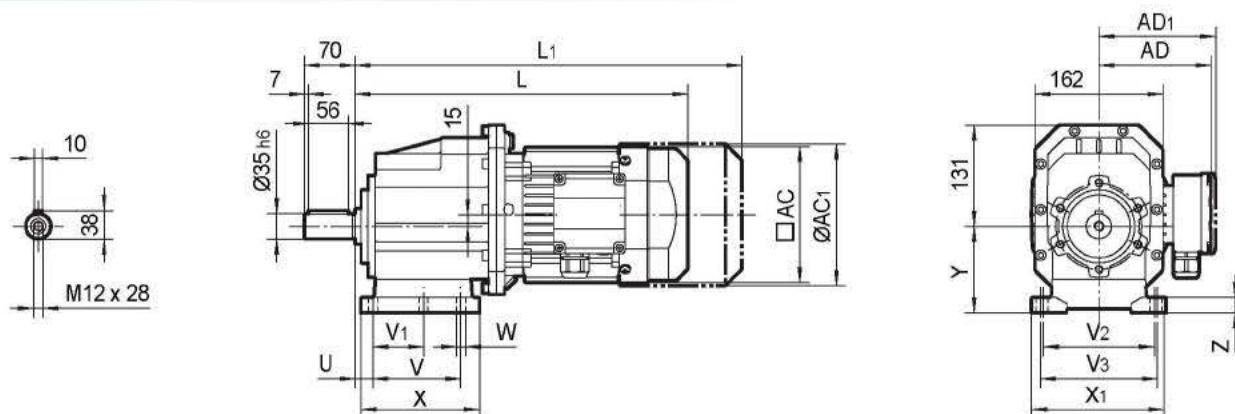


INPUT

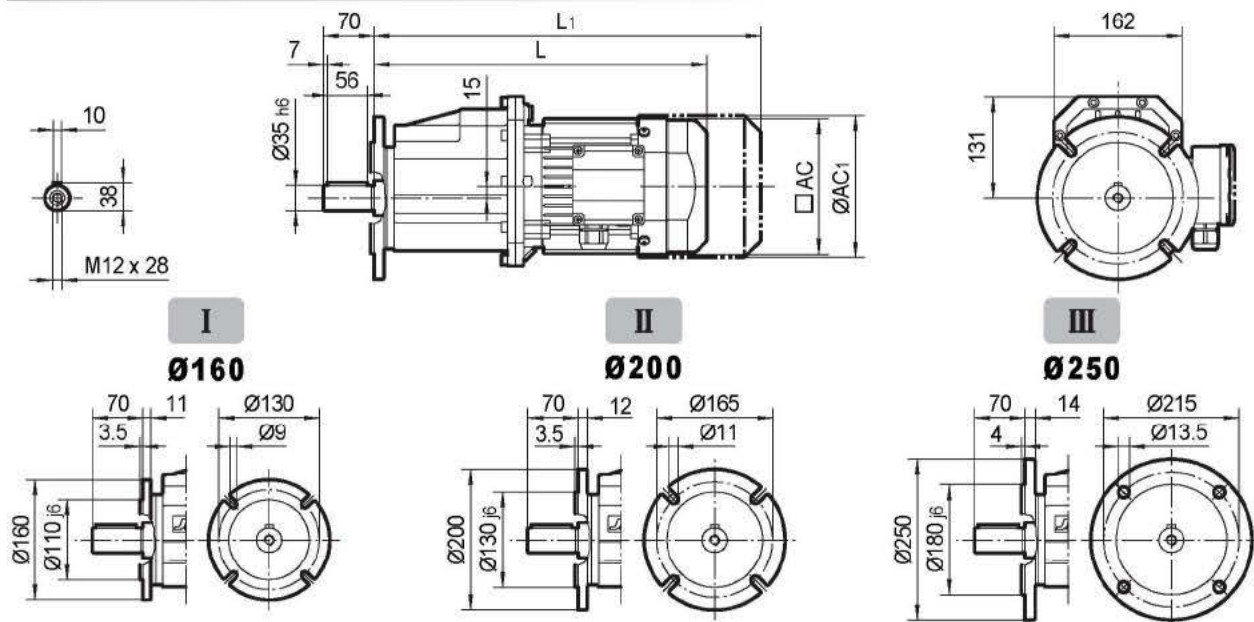


Foot Code	U	V	V1	V2	V3	W	X	X1	Y	Z
PB	18	130	70	160	—	11	156	190	110	20
PM	30	100	—	135	150	11	150	190	110	18
PS	30	165	—	—	135	14	195	—	115	20

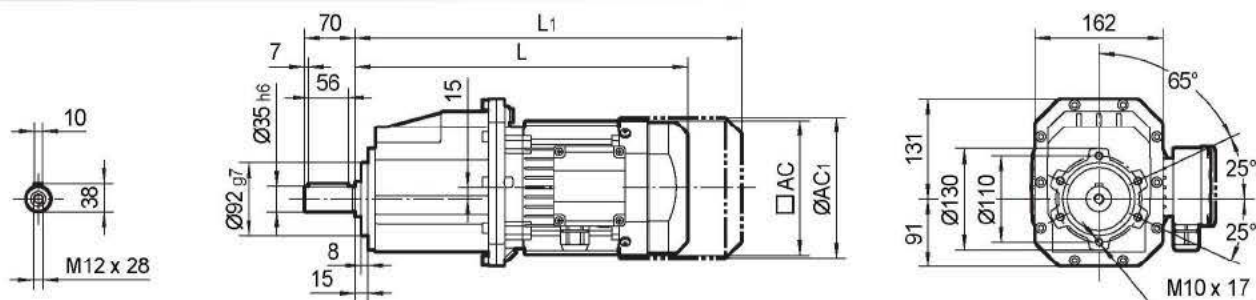
DRC04..MX..



DRCF04..MX..



DRCZ04..MX..

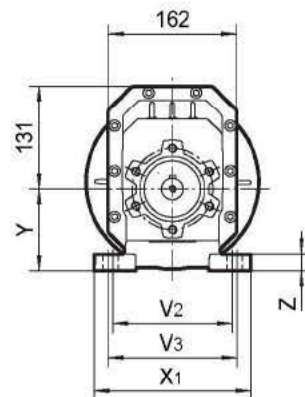
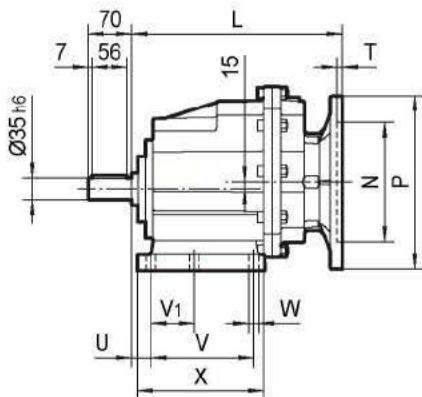
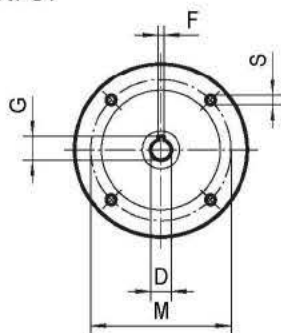


Motor Type	L	L1	AC	AC1	AD	AD1
MX80	393	457	134	148	122	127
MX90	424	509	182	203	154	161
MX100M	464	549	182	203	154	161
MX100L	494	579	182	203	154	161
MX112	505	585	206	221	179	182

Foot Code	U	V	V1	V2	V3	W	X	X1	Y	Z
PM	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

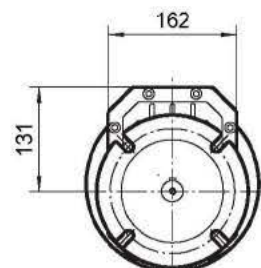
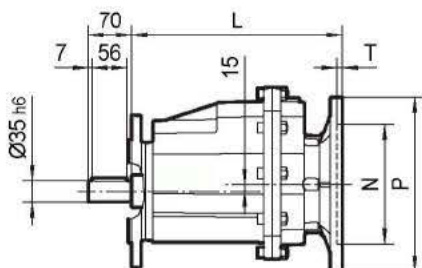
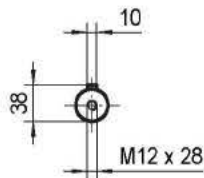
DRC04..P(IEC)

INPUT



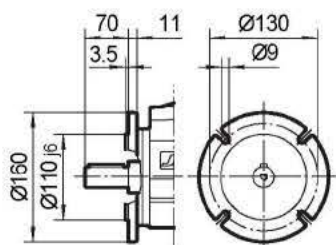
DRCF04..P(IEC)

OUTPUT



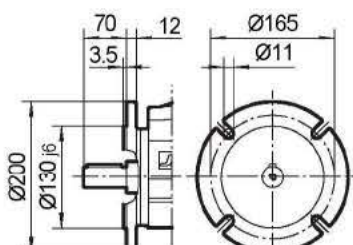
I

Ø160



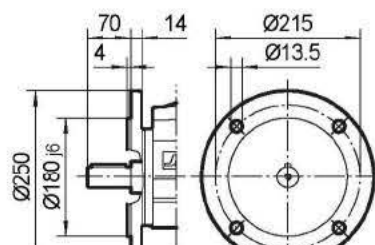
II

Ø200

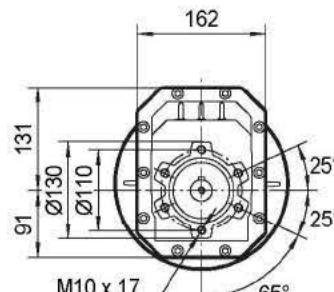
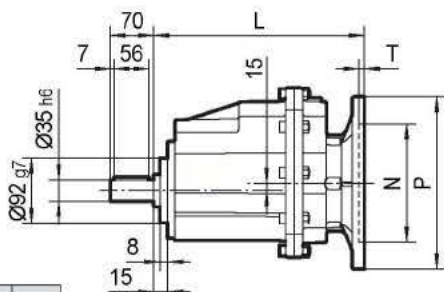


III

Ø250



DRCZ04..P(IEC)

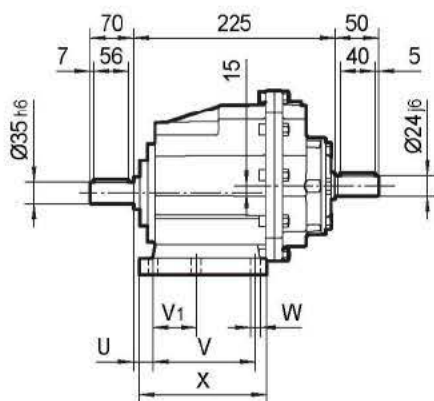
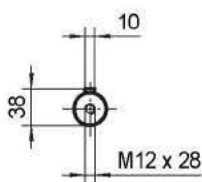


IEC	D _{E8}	F	G	P	L	M	N	S	T
P80B5	19	6	21.8	200	233	165	130	11	4
P80B14	19	6	21.8	120	233	100	80	7	4
P90B5	24	8	27.3	200	233	165	130	11	4
P90B14	24	8	27.3	140	233	115	95	9	4
P100/112B5	28	8	31.3	250	250	215	180	13.5	4.5
P100/112B14	28	8	31.3	160	250	130	110	9	4.5

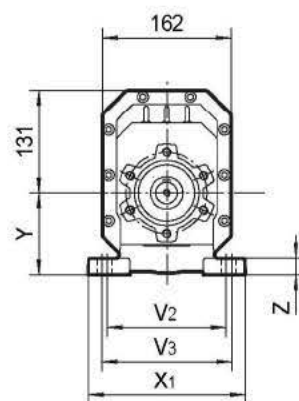
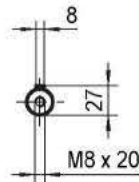
Foot Code	U	V	V ₁	V ₂	V ₃	W	X	X ₁	Y	Z
PM	35	110	—	170	185	14	150	230	120	20
PB	19.5	149.5	—	180	—	14	185	215	130	20
PS	30	165	—	—	135	14	195	—	115	20

DRC04..HS

OUTPUT

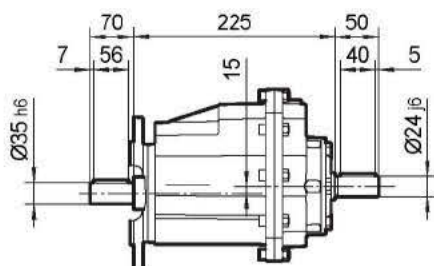
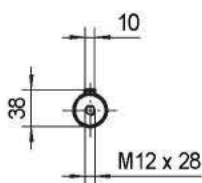


INPUT

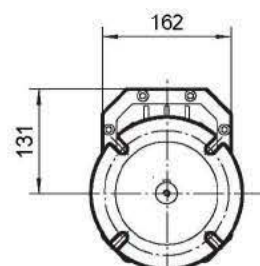
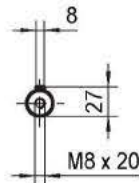


DRCF04..HS

OUTPUT

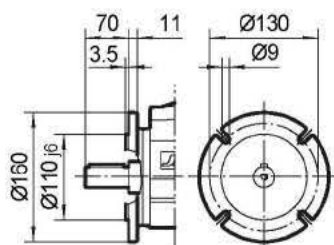


INPUT



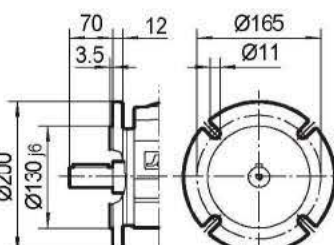
I

Ø160



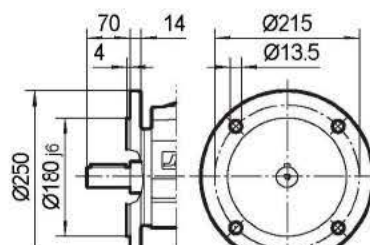
II

Ø200



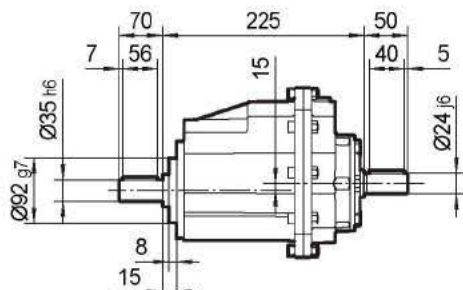
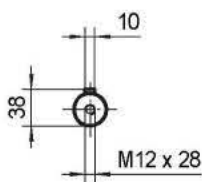
III

Ø250

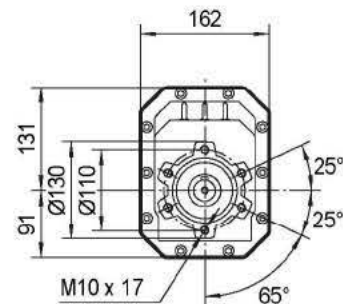


DRCZ04..HS

OUTPUT

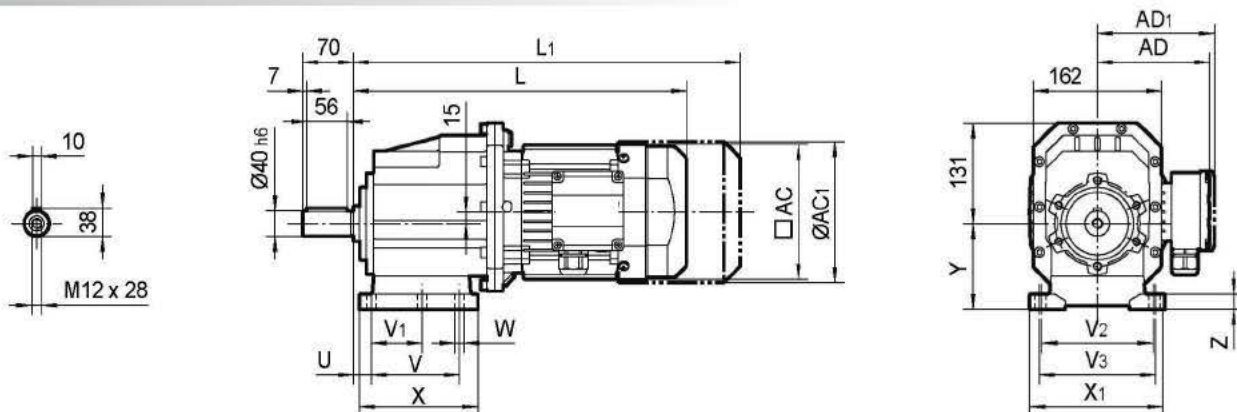


INPUT

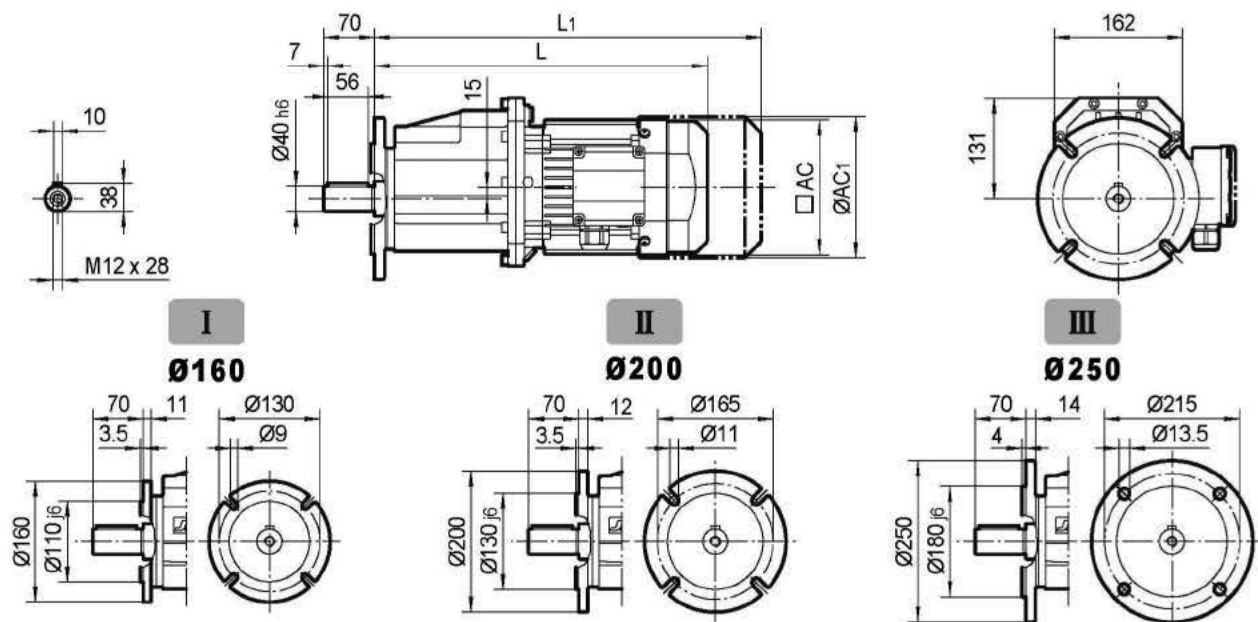


Foot Code	U	V	V ₁	V ₂	V ₃	W	X	X ₁	Y	Z
PM	35	110	—	170	185	14	150	230	120	20
PB	19.5	149.5	—	180	—	14	185	215	130	20
PS	30	165	—	—	135	14	195	—	115	20

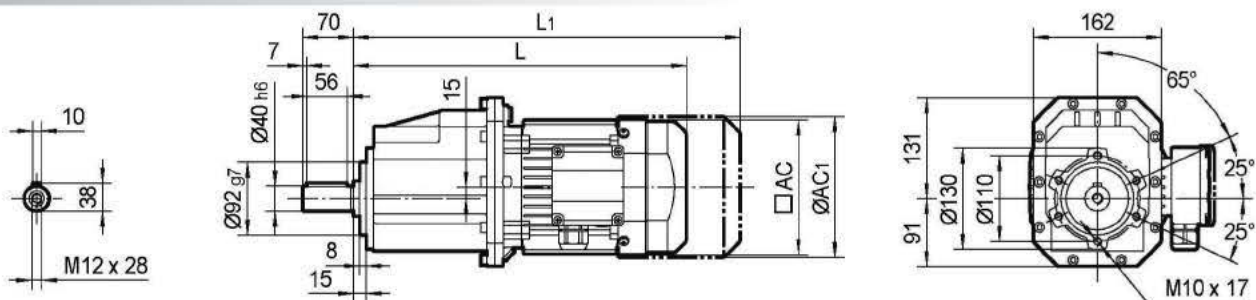
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DRCF05..MX..



DRCZ05..MX..

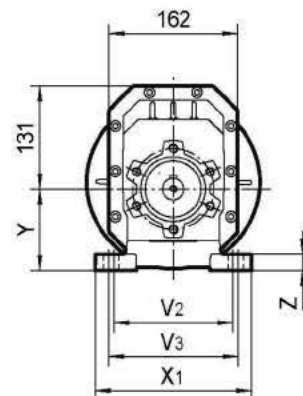
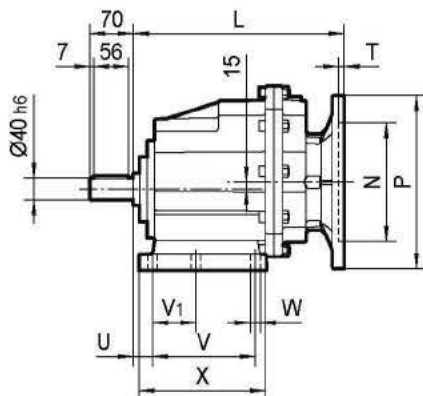
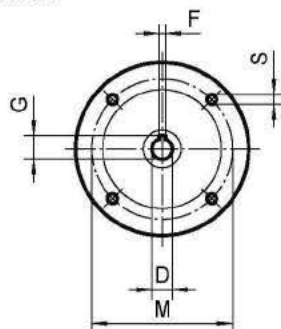


Motor Type	L	L1	AC	AC1	AD	AD1
MX80	393	457	134	148	122	127
MX90	424	509	182	203	154	161
MX100M	464	549	182	203	154	161
MX100L	494	579	182	203	154	161
MX112	505	585	206	221	179	182

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

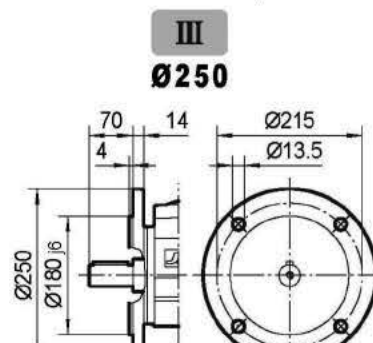
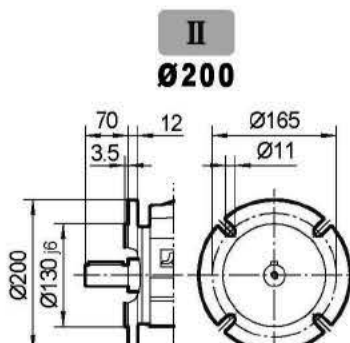
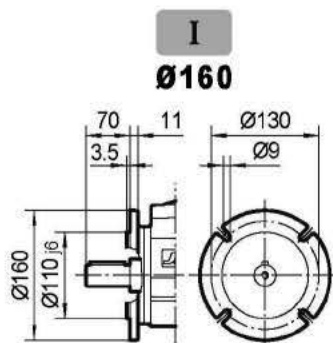
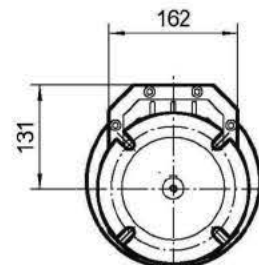
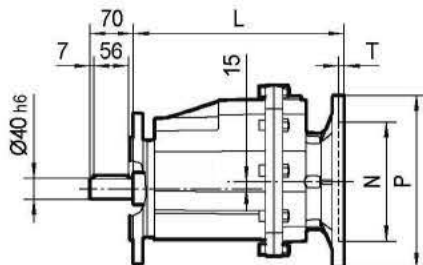
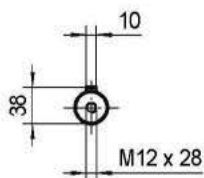
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INPUT

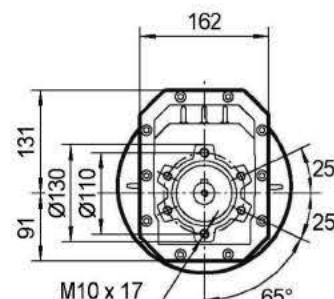
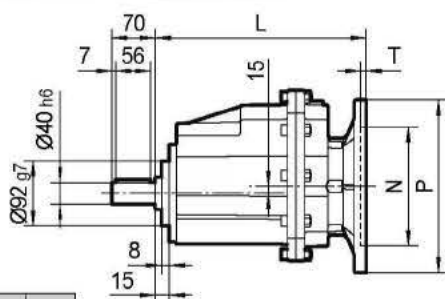


DRCF05..TAM(IEC)..

OUTPUT



DRCZ05..TAM(IEC)..

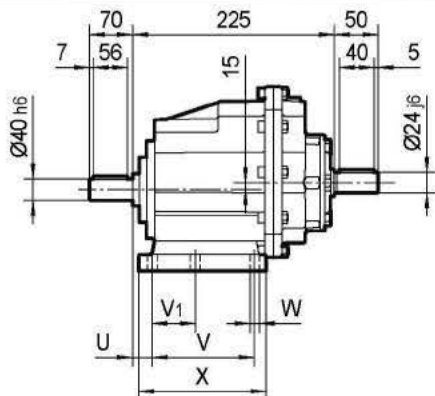
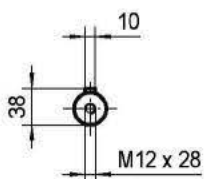


IEC	DE8	F	G	P	L	M	N	S	T
P80B5	19	6	21.8	200	233	165	130	11	4
P80B14	19	6	21.8	120	233	100	80	7	4
P90B5	24	8	27.3	200	233	165	130	11	4
P90B14	24	8	27.3	140	233	115	95	9	4
P100/112B5	28	8	31.3	250	250	215	180	13.5	4.5
P100/112B14	28	8	31.3	160	250	130	110	9	4.5

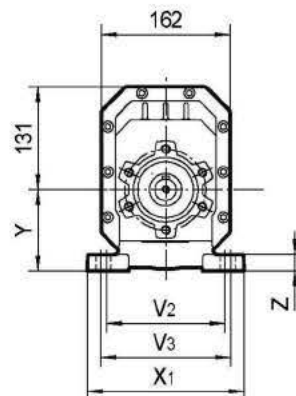
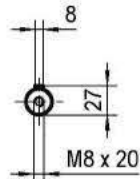
Foot Code	U	V	V1	V2	V3	W	X	X1	Y	Z
PM	40	110	—	170	185	14	150	230	120	20
PB	19.5	149.5	—	180	—	14	185	215	130	20
PS	30	165	—	—	135	14	195	—	115	20

DRC05..AD..

OUTPUT

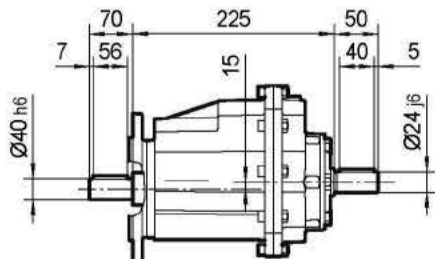
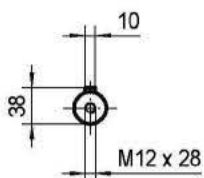


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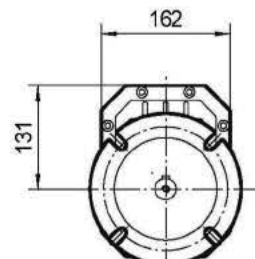
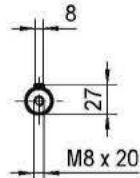


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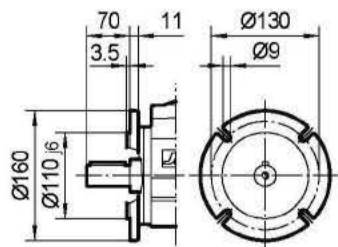
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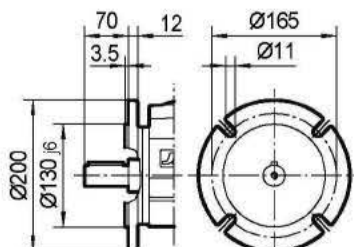
INPUT



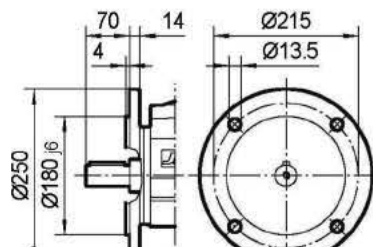
I
Ø160



II
Ø200

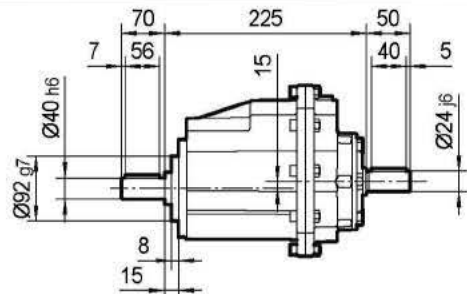
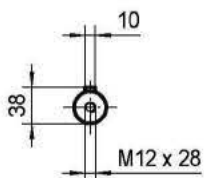


III
Ø250

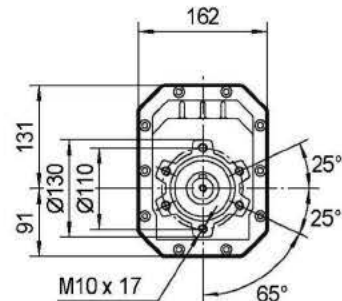
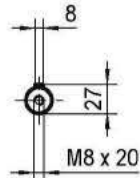


DRCZ05..AD..

OUTPUT

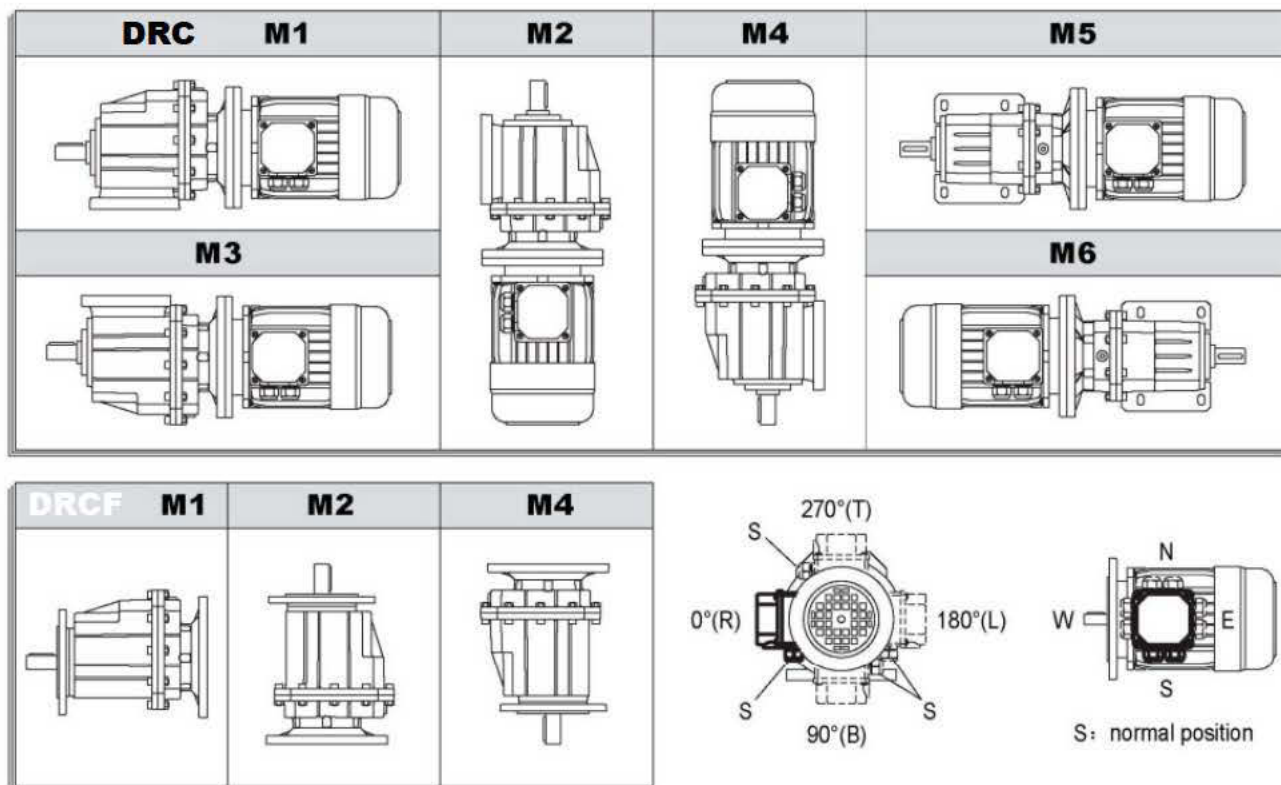


INPUT



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

11. MOUNTING POSITION AND TERMINAL BOX ORIENTATION - POSIZIONI DI MONTAGGIO E DELLA MORSETTIERA



9. Quantità di lubrificante

9.1 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

9.2 Informazioni generali

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

9. LUBRIFICANT

9.1 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)

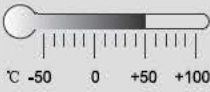
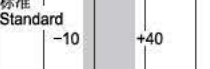
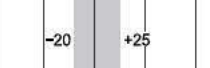
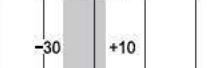
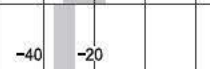
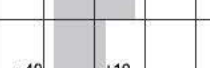
9.2 Anti-friction bearing greases

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

11. LUBRIFICAZIONE / LUBRICATION

11.1 Tipi di lubrificanti / 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 / Lubricant 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

10. MODI D'INSTALLAZIONE

10.1 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 materiale

10.2 Informazioni generali

- 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 sfogo, ove presente, sia pulita e libera da ogni residuo di olio.

10. INSTALLATION METHODS

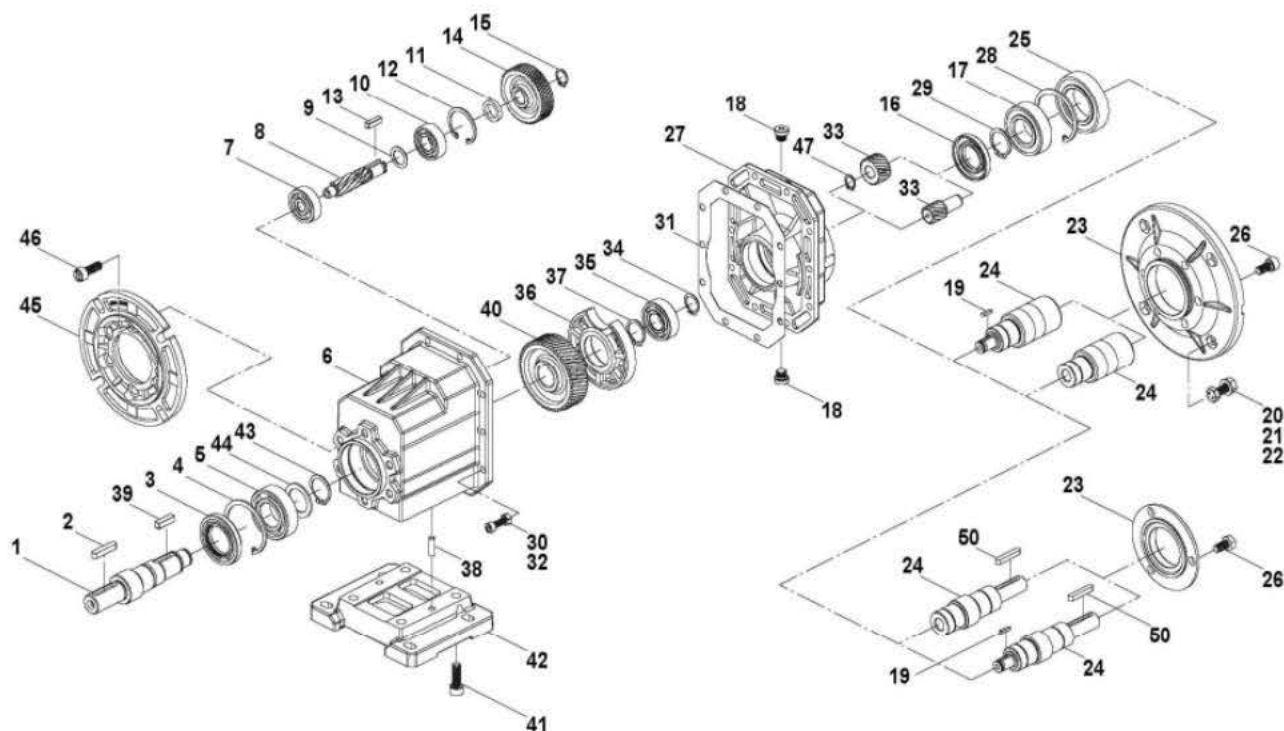
10.1 Preparation before the installation

- 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!

10.2 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.

Basic structure - Esploso prodotto



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	Washer / 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	Anello di tenuta / Oil seal	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	Washer / 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	50	Key / Chiavetta