

RO-RV

RIDUTTORI AD ASSI ORTOGONALI

tre coppie di ingranaggi
versioni in linea e a squadro



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RO-RV Riduttori

Descrizione



La serie dei riduttori RO-RV è concepita secondo le norme di progettazione ISO con l'ausilio di analisi strutturale per verifica della deformata e dello stress.

La robusta struttura non subisce deformazioni significative sotto effetto della coppia di funzionamento e dei carichi esterni con positivi risultati sulle superfici di tenuta.

I riduttori delle serie RO-RV sono costruiti in alluminio pressofuso per le prime 3 grandezze ed in ghisa per le rimanenti.

La versione pendolare permette la conversione in forma flangiata B5 applicando semplicemente una delle diverse flange di uscita disponibili.

Diverse dimensioni e tipi di alberi di uscita (cavo con chiavetta, cavo con calettatore e pieno con una o due sporgenze) sono disponibili per la più ampia possibilità di applicazioni.

La serie RO-RV è prevista in 6 grandezze, 30 rapporti di riduzione e momenti torcenti fra 180 e 3400 Nm.

La serie dei riduttori RO-RV è costituita da riduttori ad assi ortogonali, con una coppia conica e due cilindriche, e con albero di uscita cavo in esecuzione standard.

Direttiva ATEX

I riduttori VARVEL-ATEX fornibili su richiesta, sono progettati e costruiti in accordo alla Direttiva 94/9/CE "ATEX" e sono pertanto idonei alla installazione in atmosfere potenzialmente esplosive:

- Zone di Gruppo II
- Categoria 2 (o 3)
- Pericolo di esplosione in presenza di gas (Zona 1 o 2)
- Pericolo di esplosione in presenza di Polveri combustibili (Zona 21 o 22)

Vedi informazioni dettagliate alle pagine 90 e 91.

La serie VARVEL-ATEX viene identificata mediante la seguente marcatura supplementare:

 II 2 GD ck IP66 CC $T_{\text{max}}=135\text{ }^{\circ}\text{C}$

Riduttori RO-RV

Descrizione



RO



RV

	Serie RO, RV - Riduttori ad assi ortogonali
Carcassa multiuso	Montaggio con Piedi e Piedi/Flangia Unica carcassa per versione RO e RV
Carcasse e Coperchi	Alluminio in pressofusione (3 grandezze) Ghisa (3 grandezze)
Entrata	Flange IEC e NEMA con giunto elastico o montaggio con foro tradizionale con chiavetta
Ingranaggi	Acciaio legato Cementato e temprato Profilo dei denti rettificato/sbarbato
Paraoli	Nitrile Butadiene Rubber - NBR come standard; Viton e Silicone a richiesta
Cuscinetti	A sfera o a rulli secondo le grandezze e caratteristiche tecniche
Uscita	Alberi metrici in pollici a richiesta.
Lubrificazione	Olio Sintetico di lunga durata Gradazione ISO VG 320 Senza tappi Riempimento in fabbrica

RO-RV Riduttori

Descrizione

	Specifiche Generali
Gamma	6 grandezze 30 rapporti in 3 coppie di riduzione 3400 Nm coppia uscita max
Dimensionamento	Secondo ISO6336 / DIN3990 Vita media 10.000 ore con fattore di servizio SF1
Carcassa Coperchi	Pressofusione in alluminio fino taglia 3 e ghisa dalla taglia 4
Entrata con giunto G	Pressofusione in alluminio per G3, G5, G6 e acciaio per GS3, GS5, GS6, GS8
Parti dentate	Acciaio cmt / tmp Evolvente rettificato o sbarbato Coppie coniche rodate
Alberi uscita cavi	Ghisa sferoidale
Alberi Linguette	Acciaio Tolleranze: Alberi h6 Fori E8 Linguette secondo DIN6885 B1
Cuscinetti	Sfere o rulli secondo grandezza e specifiche tecniche
Paraolio	Tipo NBR - Nitril-Butadiene Rubber con secondo labbro parapolvere secondo DIN 3760 Tipo FKM - Fluoro-elastomero Viton a richiesta
Lubrificante	Olio sintetico a lunga durata Gradazione ISO VG 320
Verniciatura	Alluminio naturale fino taglia 3 e vernice a polveri epossidiche colore standard RAL 7012 dalla taglia 4
ATEX	A richiesta

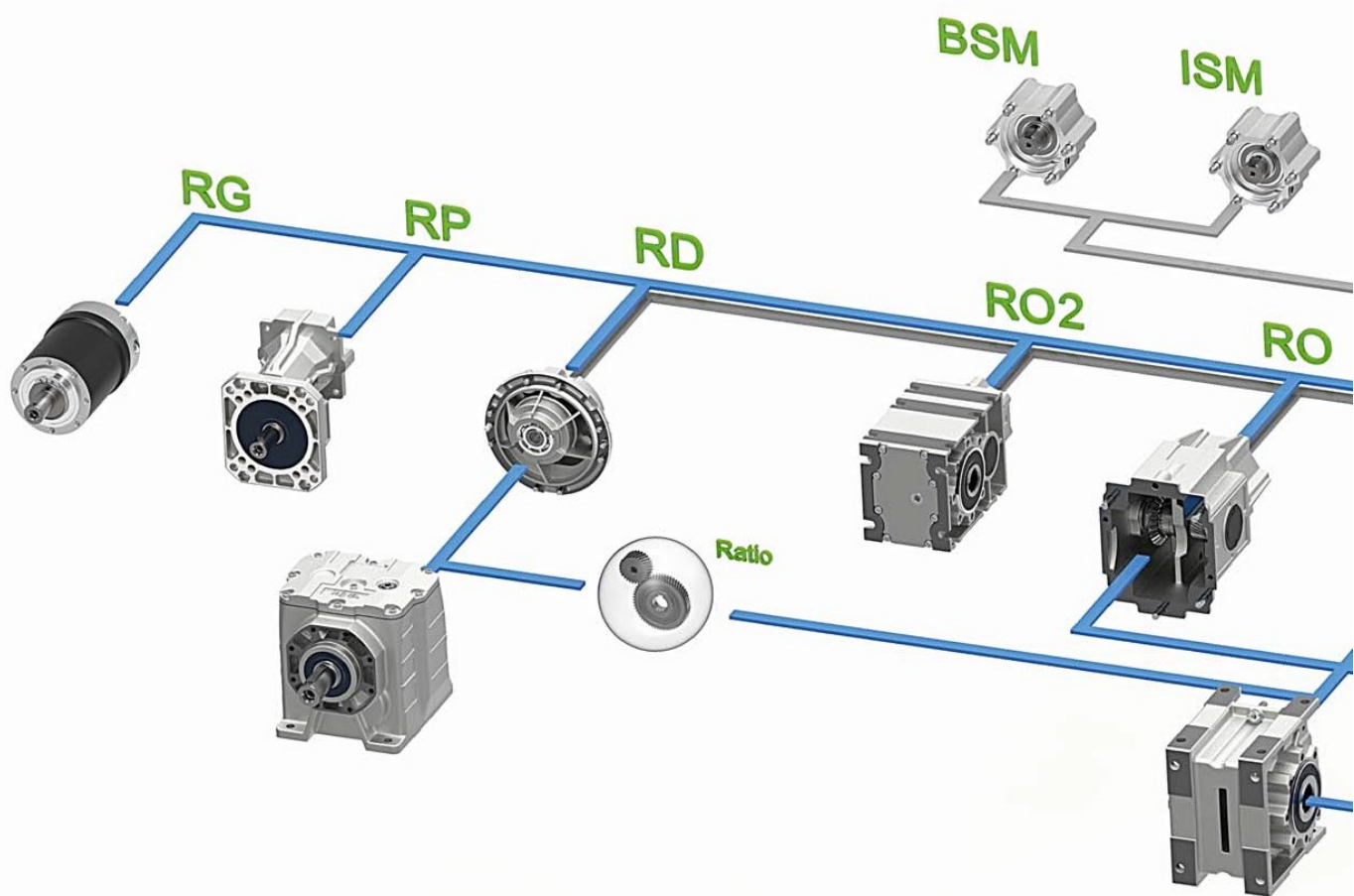
Riduttori RO-RV

Simboli

Simbolo	Descrizione
D [mm]	Diametro primitivo dell'elemento di trasmissione $k_{(t)}$
F_r [N]	Carico radiale dell'applicazione
F_{r1} [N]	Carico radiale di catalogo (entrata)
F_{r2} [N]	Carico radiale di catalogo (uscita)
$F_{r2b(x)}$ [N]	Carico radiale ammissibile in posizione "X" sull'albero di uscita. Basato sulla vita dei cuscinetti
$F_{r2s(x)}$ [N]	Carico radiale ammissibile come $F_{r2b(x)}$ Basato sulla resistenza a flessotorsione dell'albero.
FS	Fattore di servizio $FS = \frac{M_2}{M_{(app)}}$
i_n	Rapporto di riduzione nominale
i_r	Rapporto di riduzione reale
J_1 [kgm ²]	Momento d'inerzia del riduttore all'albero di entrata del riduttore
J_2 [kgm ²]	Momento d'inerzia dell'applicazione
J_m [kgm ²]	Momento d'inerzia del motore
$k_{(a)}$	Fattore d'accelerazione delle masse
$k_{(t)}$	Fattore dell'elemento della trasmissione
Lub H/V [l]	Lubrificante (litri) H - Montaggio orizzontale V - Montaggio verticale
M_2 [Nm]	Coppia massima di uscita del riduttore $M_2 = \frac{9550 * P_1 * \eta}{n_2}$
$M_{(app)}$ [Nm]	Coppia dell'applicazione
n_1 [rpm]	Velocità di entrata
n_2 [rpm]	Velocità di uscita
P_1 [kW]	Potenza in entrata $P_1 = \frac{M_2 * n_2}{9550 * \eta}$
$P_{(kg)}$ [kg]	Peso per montaggio B3H e rapporto di riduzione medio
η	Rendimento $\eta = 0.96$ per 2 coppie. $\eta = 0.94$ per 3 coppie

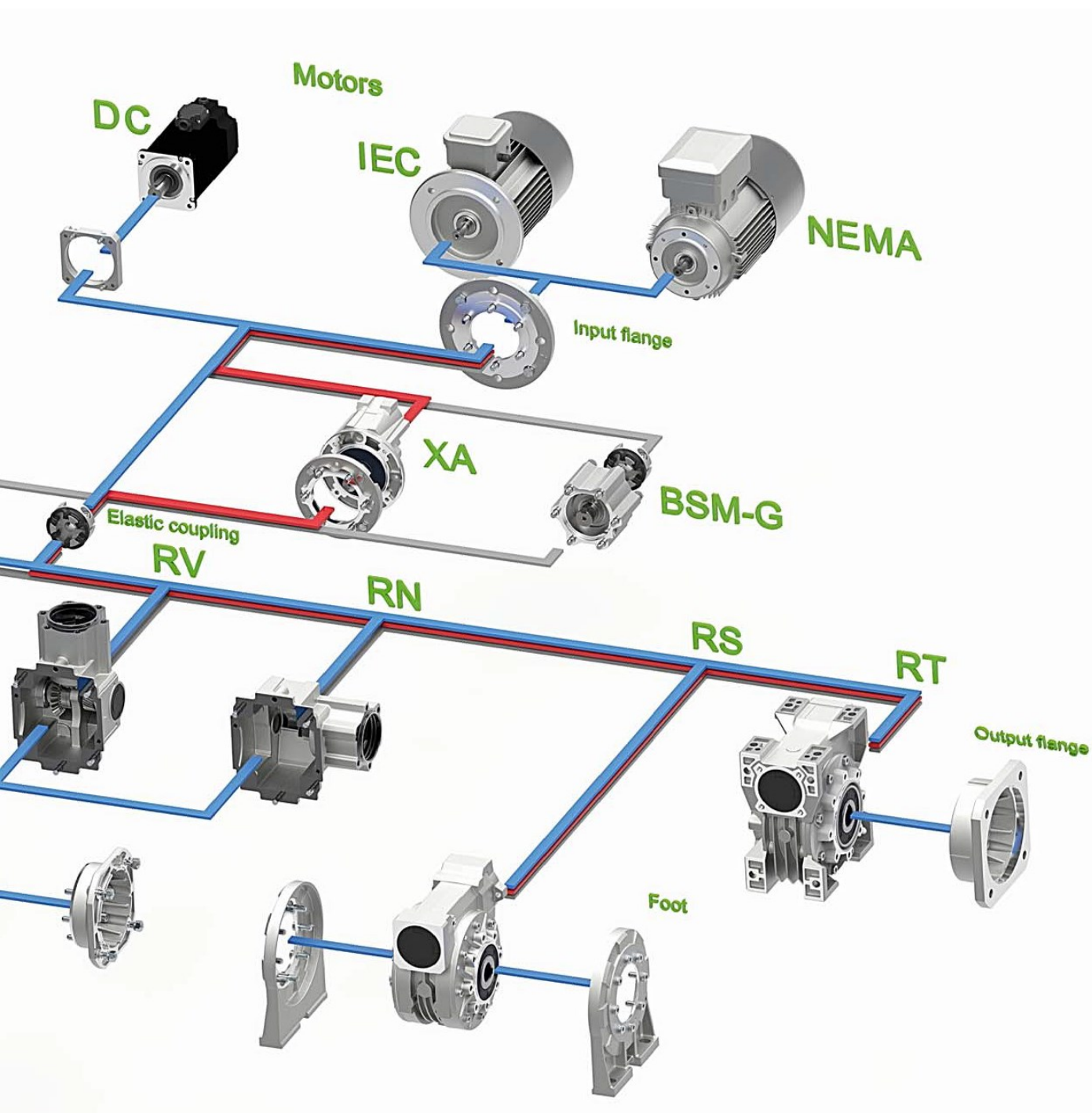
RO-RV Riduttori

Sistema modulare



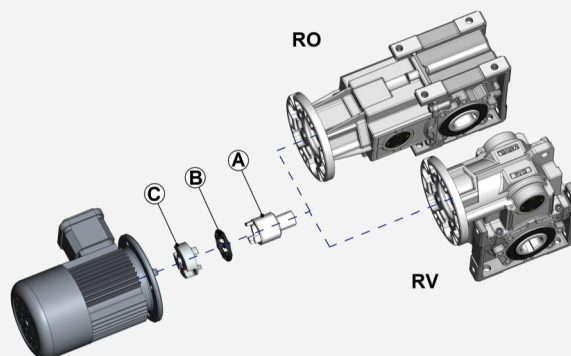
Riduttori RO-RV

Sistema modulare



RO-RV Riduttori

Descrizione Giunto "G"



A)

Semi-giunto riduttore

- Materiale: acciaio
- Integrale con albero entrata
- Supportato con due cuscinetti
- Dimensioni lato entrata invariate

B)

Anello elastico

- Denti: collegati esternamente
- Materiale: Elastomero Termoplastico IXEF® - Polyarylamide
- Durezza 90 Shore D
- Temperatura -30/+135° C (-22/+275°F)

C)

Semi-giunto motore

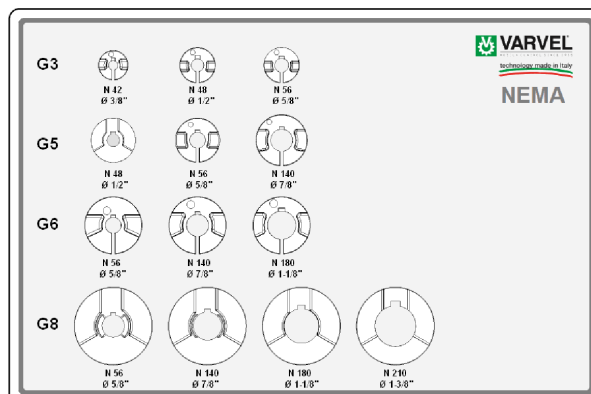
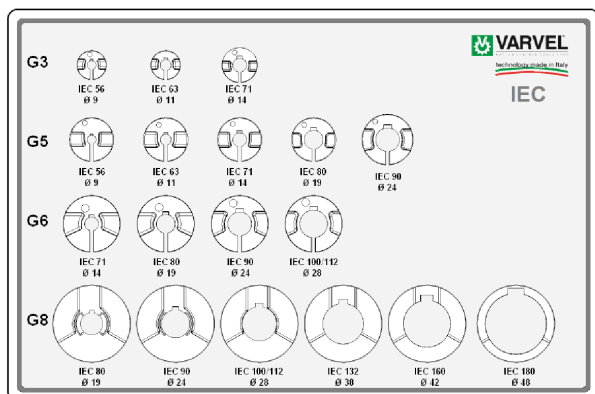
- Materiale: Alluminio pressofuso (G3, G5, G6) Acciaio (GS3, GS5, GS6, GS8)
- Bilanciatura dinamica
- Calettamento: Morsetto (G3, G5, G6) Chiavetta (GS3, GS5, GS6, GS8)
- Fori disponibili secondo: IEC 72 / DIN42948 NEMA C e TC

Vantaggi:

- Un solo riduttore per rapporto di riduzione
- Maggiore flessibilità
- Aumentata rotazione dello stock
- Eliminazione sfregamento fra chiavetta e cava (tribocorrosione)
- Collegamento riduttore / motore con gioco zero
- Disallineamento angolare ammesso max 1°
- Elevata rigidità torsionale
- Elevato smorzamento delle vibrazioni

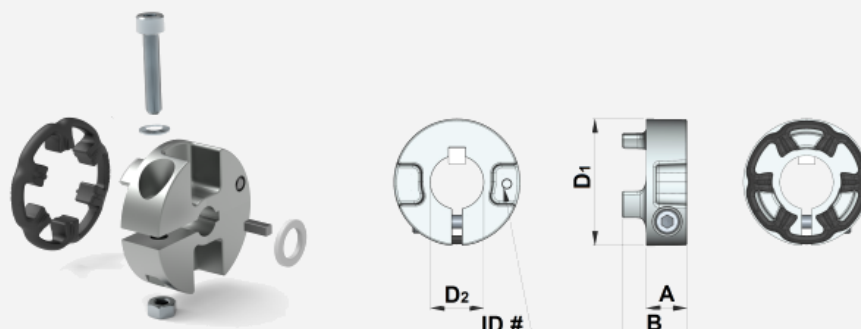
Flange entrata:

- Materiale: Alluminio fino IEC112 e NEMA TC180 Ghisa da IEC132 e NEMA TC200



Riduttori RO-RV

Selezione Giunto elastico "G"



Tipo	IEC NEMA	Codice Kit	RO - RV	Mt [Nm]	Mt ₁ [Nm]	Mt ₂ [Nm]	A [mm]	B [mm]	D ₁ [mm/ inch]	D ₂ [mm/ inch]	ID#
G5	IEC	KG5.009/X KG5.011/X KG5.014/X KG5.019/X KG5.024/X	RO13 - RV13	10	14 15 30 40 70	10 10 17 25 40	14.5	23	45 45 45 45 52	9 11 14 19 24	509 511 514 519 524
	NEMA	KG5.N56/X KG5.N140/X	RO13 - RV13		45 60	35 45			1.77 2.05	5/8" 7/8"	5N56 5N140
G6	IEC	KG6.014/X KG6.019/X KG6.024/X KG6.028/X KG6.038X	RO23 - RV23 RO33 - RV33 RO43 - RV43	18	60 90 130 180 500	40 65 100 120 ---	19.5	31.5	58	14 19 24 28 38	614 619 624 628 ---
	NEMA	KG6.N56/X KG6.N140/X KG6.N180/X	RO-RV23-33-43 RO-RV23-33-43 RO-RV43		50 85 200	--- --- ---			2.28	5/8" 7/8" 1-1/8"	6N56 6N140 6N180
GS8	IEC	KGS8.19/X KGS8.24/X KGS8.28/X KGS8.38/X KGS8.42/X KGS8.48/X	RO53 - RV53 RO63 - RV63	15	150 250 350 500 500 500	--- --- --- --- --- ---	35	51	79	19 24 28 38 42 48	* * * * * *
	NEMA	KGS8.N056/X KGS8.N140/X KGS8.N180/X KGS8.N210/X KGS8.N250/X	RO-RV53-63 RO-RV53-63 RO-RV53-63 RO-RV53-63 RO-RV63		140 200 300 500 500	--- --- --- --- ---			3.11	5/8" 7/8" 1-1/8" 1-3/8" 1-5/8"	* * * * *

Mt - Coppia di serraggio vite

Mt₁ - Coppia trasmissibile con chiavetta

Mt₂ - Coppia trasmissibile senza chiavetta

* - Giunto GS8: serraggio con chiavetta e grano di bloccaggio assiale

../X - Codice del giunto con anello nero IXEF

Nota - Nessun ID# marcato sul Giunto GS8

RO-RV Riduttori

Flange IEC e Giunto

Riduttore	Flangia				Giunto	
	Tipo	IEC	Codice Kit B5	Codice Kit B14	Tipo	Codice Kit
RO13 RV13	FM 50	IEC56	K532.206.120	---	G5 ø9	KG5.009/X
		IEC63	K532.206.140	K532.206.090	G5 ø11	KG5.011/X
		IEC71	K532.206.160	K532.206.105	G5 ø14	KG5.014/X
		IEC80	K532.206.200	K532.206.120	G5 ø19	KG5.019/X
		IEC90	K532.206.200	K532.206.140	G5 ø24	KG5.024/X
RO23 RV23	FM 70	IEC71	K533.206.160	K533.206.105	G6 ø14	KG6.014/X
		IEC80	K533.206.200	K533.206.120	G6 ø19	KG6.019/X
		IEC90	K533.206.200	K533.206.140	G6 ø24	KG6.024/X
		IEC 100/112	K533.206.250	K533.206.160	G6 ø28	KG6.028/X
RO33 RV33	FM 85	IEC71	K534.206.160	---	G6 ø14	KG6.014/X
		IEC80	K534.206.200	K534.206.120	G6 ø19	KG6.019/X
		IEC90	K534.206.200	K534.206.140	G6 ø24	KG6.024/X
		IEC 100/112	K534.206.250	K534.206.160	G6 ø28	KG6.028/X
RO43 RV43	FM 110	IEC71	K535.206.160	---	G6 ø14	KG6.014/X
		IEC80	K535.206.200	---	G6 ø19	KG6.019/X
		IEC90	K535.206.200	---	G6 ø24	KG6.024/X
		IEC 100/112	K535.206.250	K535.206.160	G6 ø28	KG6.028/X
		IEC132	K535.206.300	K535.206.200	Gs6 ø38	KGs6.038/X
RO53 RV53	FM 130 & FM 150	IEC 80	K536.206.200	---	** GS8 ø19	KGS8.019/X
		IEC 90	K536.206.200	---	** GS8 ø24	KGS8.024/X
		IEC 100/112	K536.206.250	---	** GS8 ø28	KGS8.028/X
		IEC 132	K537.206.300	K536.206.200	** GS8 ø38	KGS8.038/X
		IEC 160	K565.206.350	---	** GS8 ø42	KGS8.042/X
		IEC 180	K565.206.350	---	** GS8 ø48	KGS8.048/X
RO63 RV63	FM 130 & FM 150	IEC 80	K536.206.200	---	** GS8 ø19	KGS8.019/X
		IEC 90	K536.206.200	---	** GS8 ø24	KGS8.024/X
		IEC 100/112	K536.206.250	---	** GS8 ø28	KGS8.028/X
		IEC 132	K537.206.300	K536.206.200	** GS8 ø38	KGS8.038/X
		IEC 160	K565.206.350	---	** GS8 ø42	KGS8.042/X
		IEC 180	K565.206.350	---	** GS8 ø48	KGS8.048/X

** - Giunto GS8: montaggio con chiavetta e grano di bloccaggio assiale
 ../X - Codice del giunto con anello nero IXEF

Riduttori RO-RV

Flange NEMA e Giunto

Riduttore	Flangia			Giunto	
	Tipo	NEMA	Codice Kit	Tipo	Codice Kit
RO13 RV13	FM 50	56 C 140 TC	K532.227.N56 K532.227.N56	G5 ø 5/8" G5 ø 7/8"	KG5.N56/X KG5.N140/X
RO23 RV23	FM 70	56 C 140 C	K533.227.N56 K533.227.N56	G6 ø 5/8" G6 ø 7/8"	KG6.N56/X KG6.N140/X
RO33 RV33	FM 85	56 C 140 TC	K534.227.N56 K534.227.N56	G6 ø 5/8" G6 ø 7/8"	KG6.N56/X KG6.N140/X
RO43 RV43	FM 110	56 C 140 TC 180 TC	K535.227.N56 K535.227.N56 K535.227.N180	G6 ø 5/8" G6 ø 7/8" G6 ø 1-1/8"	KG6.N56/X KG6.N140/X KG6.N180/X
RO53 RV53	FM 150	56 C 140 TC 180 TC	K537.227.N56 K537.227.N56 K537.227.N180	* GS8 ø 5/8" * GS8 ø 7/8" * GS8 ø 1-1/8"	KGS8.N56/X KGS8.N140/X KGS8.N180/X
RO63 RV63	FM 150	56 C 140 TC 180 TC 210 TC	K537.227.N56 K537.227.N56 K537.227.N180 K537.227.N180	* GS8 ø 5/8" * GS8 ø 7/8" * GS8 ø 1-1/8" * GS8 ø 1-3/8"	KGS8.N56/X KGS8.N140/X KGS8.N180/X KGS8.N210/X

** - Giunto GS8: montaggio con chiavetta e grano di bloccaggio assiale
 ../X - Codice del giunto con anello nero IXEF

RO-RV Riduttori

Designazione Riduttore e Motore

DESIGNAZIONE DEL RIDUTTORE

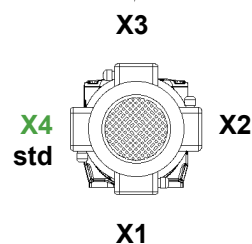
F	RO	33	/B3	H	31.5	IEC80	-B5	AU30	DFU200
									Flangia uscita ø
									Albero uscita ø
									B5. B14 = Forma del motore
									Grandezza del motore elettrico
									Rapporto di riduzione
									H. V = Posizione di montaggio del riduttore
									B3. B5. B3/B5 = Forma costruttiva del riduttore
									Grandezza e coppie del riduttore
									RO. RV = Tipo del riduttore

M = Motoriduttore
 F = Riduttore con entrata IEC
 S = Riduttore senza flangia entrata IEC
 ... = (nulla) Riduttore con albero entrata sporgente

DESIGNAZIONE DEL MOTORE

MT	0.75 kW	80 B	4	B5	230/400/50	IP55	F	X4
								Posizione della morsetteria
								Classe F (std) = Classe isolamento
								IP55 (std) = Grado di protezione
								Tensione / Frequenza
								B5, B14 = Forma costruttiva
								Numero poli
								Grandezza IEC del motore
								Potenza del motore

MT = Motore trifase
 MM = Motore monofase
 MA = Motore autofrenante



Riduttori RO-RV

Configurazione assistita VARsize



Modularità e flessibilità

Questa prerogativa ha guidato il progetto dei prodotti VARVEL a cominciare dagli anni 2000.

La disponibilità di riduttori in kit ha permesso il montaggio in pochi minuti utilizzando una normale attrezzatura.

Questo permette la massima flessibilità ai distributori e rivenditori VARVEL che, grazie ad un numero limitato di elementi, possono configurare all'istante il prodotto richiesto dai clienti.

Il programma di selezione **VARsize**® disponibile nel sito web

www.varvel.com

permette un facile dimensionamento dei prodotti VARVEL.

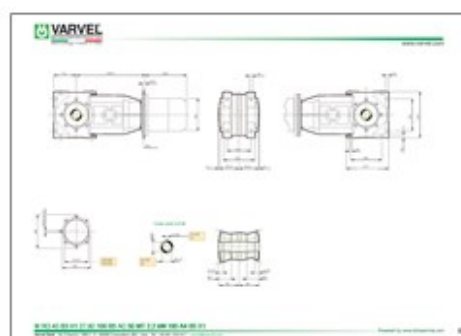
Disegni 2D/3D

Tramite configurazione assistita si generano modelli 3D e disegni 2D nei formati CAD più diffusi.

Configurazione assistita

Identifica, fra tutte le serie, i riduttori adeguati per soddisfare i parametri di funzionamento richiesti (potenza, coppia, velocità, fattore di servizio, ecc.).

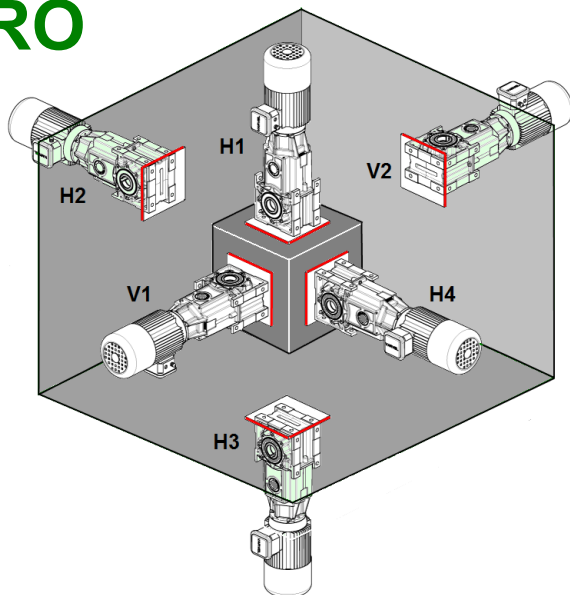
Viene generato un documento PDF con dati prestazionali e disegni dimensionali per ciascuna configurazione rilasciati all'utente in formato 2D o 3D secondo richiesta.



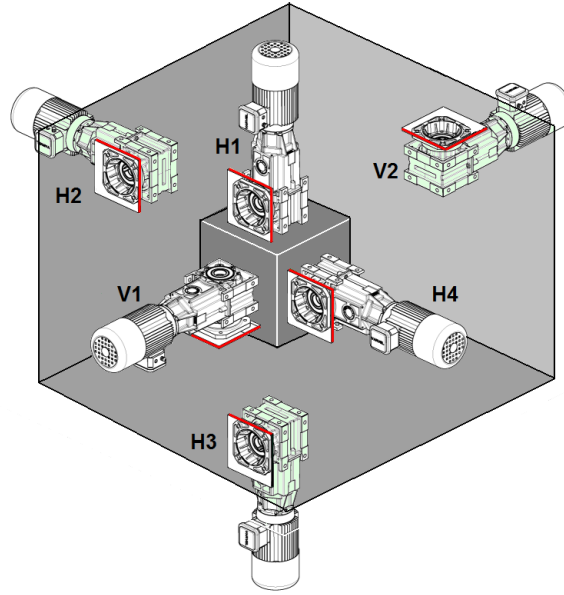
RO-RV Riduttori

Posizioni di montaggio

RO

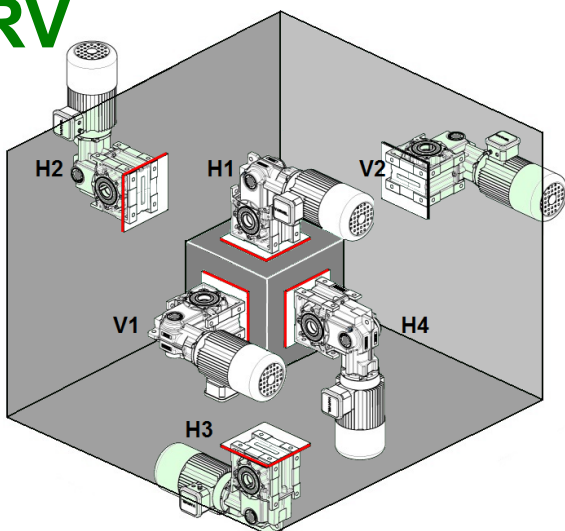


B3
Montaggio a piedi

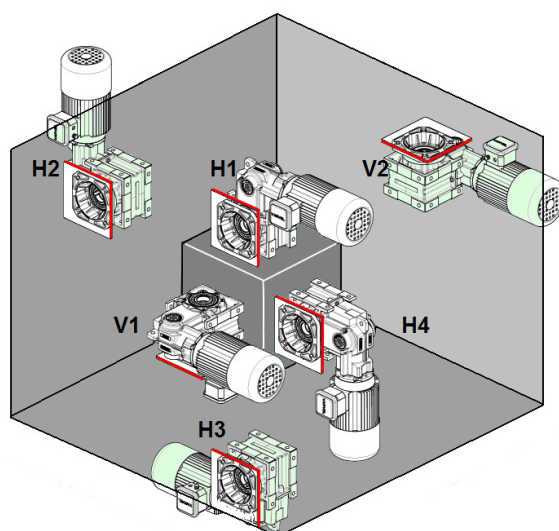


B5
Montaggio a flangia

RV



B3
Montaggio a piedi



B5
Montaggio a flangia

La posizione di montaggio è riferita all'albero di uscita e non al fissaggio con piedi o con flangia.

Riduttori RO-RV

Fattori di servizio

FATTORE DI SERVIZIO del riduttore

Il fattore di servizio FS1.0 è inteso come rappresentativo di un funzionamento di 8 ore al giorno, con carico uniforme e fattore di accelerazione delle masse $k_{(a)} \leq 0.2$, avviamenti inferiori a 6 all'ora e temperatura ambiente fra 15 e 35 °C.

Le prestazioni riportate nelle tabelle permettono di calcolare il fattore di servizio come rapporto fra la coppia massima di uscita del riduttore M_2 e la coppia richiesta dalla applicazione $M_{(app)}$.

Non è necessario tener conto della potenza termica (v. pag.19) quando la durata massima di servizio continuativo è di circa 3 h seguita da pause sufficienti (circa 2 - 4 h) a ristabilire nel riduttore la temperatura ambiente.

Per temperatura massima ambiente maggiore di 40 °C oppure minore di 0 °C interpellare il Servizio Clienti.

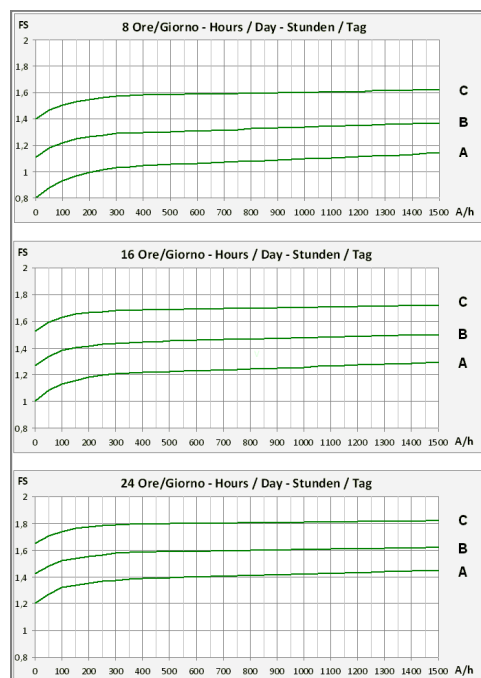
Fattore di servizio SF						
Carico SF ₁				Avviamenti/ora		SF = SF ₁ x SF ₂
Ore	Uniforme SF ₁	Variabile SF ₁	A urti SF ₁	Numero	SF ₂	
8	0.8	1.1	1.4	6	1.0	
16	1.0	1.3	1.5	600	1.2	
24	1.2	1.4	1.6	1200	1.3	

Fattore di accelerazione delle masse

$$k_{(a)} = \frac{\frac{J_2}{i r^2} + J_1}{J_m}$$

Classi di carico

- A - Carico uniforme
 $k_{(a)} \leq 0,2$
- B - Carico con urti moderati
 $0,2 > k_{(a)} \leq 3$
- C - Carico con forti urti
 $3 < k_{(a)} \leq 10$
- A/h - Numero di avviamenti/ora



RO-RV Riduttori

Fattori di servizio

TIPO DI SERVIZIO del motore

I vari tipi di servizi sono definiti dalle norme CEI EN60034-1/IEC34-1.

S1 - Servizio continuo

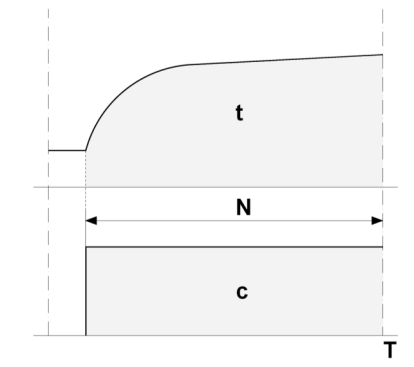
Funzionamento a carico costante per un periodo di tempo indefinito (N), comunque sufficiente a raggiungere l'equilibrio termico.

FS = 1.0

N = Tempo di lavoro

c = Carico

t = Temperatura



S3 - Servizio intermittente periodico

Funzionamento secondo un ciclo (C) comprendente un periodo di tempo a carico costante (N) ed un periodo di tempo di ri-poso (R).

Gli avviamenti non influiscono sulle temperature.

Il ciclo (C) di riferimento è di 10 minuti complessivi.

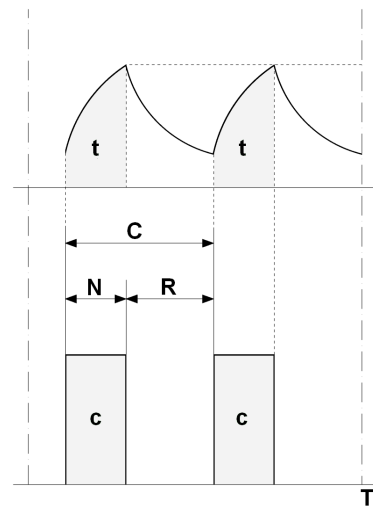
Il rapporto di intermittenza viene determinato secondo la formula seguente.

$$\frac{N}{(N+R)} * 100 = \begin{matrix} 60\% & \text{FS 1.1} \\ 40\% & \text{FS 1.2} \\ 25\% & \text{FS 1.3} \\ 15\% & \text{FS 1.4} \end{matrix}$$

N = Tempo di lavoro

R = Tempo di riposo

C = Ciclo di lavoro



Riduttori RO-RV

Carichi esterni

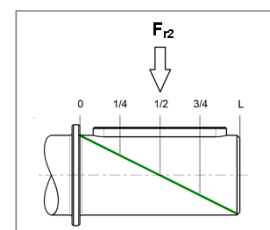
CARICHI RADIALI USCITA

Il carico radiale (F_r) riportato nelle tabelle, deve essere verificato in base alla velocità di uscita, alla posizione di montaggio (A) e al tipo di elemento di trasmissione (B) montato sull'albero di uscita del riduttore tramite i relativi fattori k_L e k_T .

A - Punto di applicazione del carico radiale

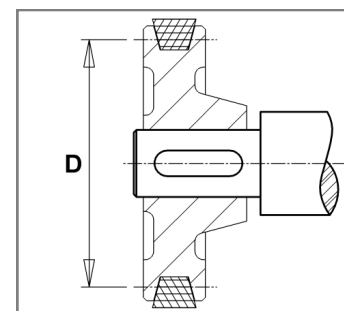
Il carico radiale è considerato applicato alla mezzeria dell'albero di uscita.
Altre posizioni originano carichi da correggere con l'appropriato fattore k_L .
Esempi della distanza da spallamento dell'albero:

k_L	L
1.1	$1/4 * L$
1.0	$1/2 * L$
0.9	$3/4 * L$
0.8	L



B - Elemento della trasmissione

k_T	Tipo dell'elemento
1,15	Ingranaggio n. denti < 17
1,40	Pignone catena n. denti < 13
1,25	n. denti < 20
1,00	n. denti > 20
2,50	Puleggia per cinghie "V"
1,25	cinghie dentate



F_{r2} - Carico radiale

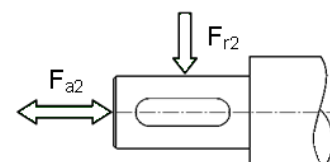
$$F_{r2} = \frac{2000 * M_2}{D} \times k_L \times k_T$$

CARICHI ASSIALI USCITA

Il valore del carico assiale

$$F_{a2} = F_{r2} \times 0.2$$

è incluso nel valore dei carichi radiali di catalogo
ed è valido sia a trazione che a compressione.



RO-RV Riduttori

Versioni

MRO - MRV

- Motoriduttori a tre coppie di ingranaggi
Potenza: 0.06 kW a 22 kW a 4 poli
Giri uscita: 215 rpm a 4.0 rpm

FRO - FRV

- Riduttori a tre coppie di ingranaggi con flangia motore entrata
Flange motore: IEC 56 a IEC 180 e NEMA 56C a NEMA 210TC
Coppia: 180 Nm a 3400 Nm
Rapporti di riduzione: 6.3:1 a 315:1

SRO - SRV

- Riduttori a tre coppie di ingranaggi senza flangia motore entrata ma con albero entrata cavo con giunto
Coppia: 180 Nm [1060 in-lb] a 3400 Nm [30100 in-lb]
Rapporti di riduzione: 6.3:1 a 315:1

RO - RV

- Riduttori a tre coppie di ingranaggi con albero entrata sporgente
Coppia: 120 Nm [1060 in-lb] a 3400 Nm [30100 in-lb]
Rapporti di riduzione: 6.3:1 a 710:1



Serie RO - Versione in linea
Serie RV - Versione a squadra

Riduttori RO-RV

Potenza termica

Potenza termica

La **potenza nominale** P_1 , è la potenza che può essere applicata all'entrata del riduttore, in servizio continuo, temperatura max ambiente di 40 °C, altitudine max 1000 m e velocità dell'aria 1.25 m/s, senza superare una temperatura dell'olio di circa 85 °C.

La **potenza termica** P_{t1} può limitare la nominale P_1 (area in grigio) in funzione del sistema di raffreddamento, della velocità di entrata, della temperatura ambiente e del coefficiente di servizio.

i_n	FRO13 FRV13		FRO23 FRV23		FRO33 FRV33		FRO43 FRV43		FRO53 FRV53		FRO63 FRV63	
	P_1 [kW]	P_{t1} [kW]	P_1 [kW]	P_{t1} [kW]	P_1 [kW]	P_{t1} [kW]	P_1 [kW]	P_{t1} [kW]	P_1 [kW]	P_{t1} [kW]	P_1 [kW]	P_{t1} [kW]
6,3	---	---	4,70	5,40	10,20	7,04	11,10	9,49	22,40	16,43	40,30	22,32
7,1	2,70	3,08	---	---	---	---	---	---	---	---	---	---
8	---	---	4,10	5,11	8,50	6,68	9,90	9,01	20,00	15,40	31,90	21,56
9,0	2,20	3,11	3,90	4,28	6,50	6,22	11,60	7,07	---	---	---	---
10,0	2,30	3,01	3,70	4,85	7,70	6,33	9,10	8,51	17,60	14,37	28,50	20,46
11,2	2,00	2,90	3,10	4,12	5,10	5,98	9,20	6,68	---	---	---	---
12,5	---	---	3,30	4,56	6,60	5,98	7,90	7,98	16,60	13,45	25,70	19,19
14,0	1,50	2,92	2,50	3,93	5,30	5,26	5,80	7,99	12,00	12,43	18,90	17,80
16,0	1,70	2,68	2,90	4,20	5,20	5,53	7,00	7,53	14,10	12,65	22,60	17,91
18,0	1,20	2,70	2,20	3,89	4,60	5,07	5,40	7,64	10,80	11,87	17,00	17,01
20,0	1,40	2,47	2,40	3,95	3,20	4,84	6,00	6,97	12,20	11,48	19,40	16,44
22,4	1,10	2,27	1,90	3,72	4,00	4,93	4,90	7,30	9,70	11,30	15,40	16,36
25,0	0,96	2,27	1,90	3,41	3,30	4,63	5,00	6,21	9,70	10,20	14,10	15,21
28,0	0,91	2,06	1,80	3,54	2,20	4,15	4,30	6,83	8,80	10,76	13,90	15,57
31,5	0,81	2,13	1,20	3,22	2,60	4,23	4,30	5,81	8,30	10,13	14,00	14,11
35,5	0,66	1,75	1,40	3,32	2,50	4,35	3,90	6,45	7,70	10,14	12,40	14,77
40	0,68	2,00	1,20	3,08	2,20	4,01	---	---	6,40	9,41	10,80	13,62
45	0,55	1,87	1,10	3,18	2,00	3,97	3,10	6,00	6,20	9,26	9,20	11,88
50	0,56	1,84	0,92	2,89	1,80	3,79	3,00	6,12	5,20	8,95	10,30	12,88
56	0,37	1,85	0,88	2,80	1,70	3,72	2,80	5,40	4,80	8,38	9,30	12,13
63	0,43	1,69	0,74	2,77	1,00	3,70	2,40	5,67	4,20	8,27	8,10	12,01
71	0,36	1,64	0,60	2,57	1,30	3,48	2,10	5,10	3,60	8,05	6,90	11,36
80	0,30	1,59	0,59	2,48	1,10	3,29	1,90	5,10	2,50	8,25	6,20	10,88
90	0,30	1,51	0,53	2,48	0,70	3,08	1,60	5,39	3,00	6,83	5,80	10,67
100	0,27	1,48	0,39	2,36	0,86	3,11	1,40	4,83	2,80	7,54	5,20	10,66
112	0,21	1,51	0,42	2,23	0,80	2,92	1,40	4,85	2,40	7,25	4,40	9,73
125	0,22	1,38	0,33	2,16	0,60	2,88	1,00	3,68	2,30	6,73	3,00	9,84
140	0,18	1,26	0,28	2,13	0,61	2,77	1,00	4,58	2,00	6,74	3,70	9,55
160	0,16	1,21	0,26	1,97	0,41	2,59	0,71	3,65	1,80	6,49	3,40	9,19
180	0,13	1,15	0,24	1,90	0,43	2,58	0,67	3,49	1,20	6,03	2,20	8,40
200	0,12	1,21	0,20	1,88	0,32	2,63	0,61	3,75	1,00	6,07	---	---
224	0,10	1,15	0,17	1,74	---	---	0,51	3,48	0,92	5,62	1,80	8,54
250	0,09	1,10	0,16	1,65	0,27	2,45	0,46	3,32	0,82	5,66	---	---
280	---	---	---	---	0,25	2,36	0,41	3,14	---	---	1,50	7,85
315	0,06	0,99	0,13	1,55	0,20	2,14	---	---	0,66	5,12	1,30	7,36

RO-RV Riduttori

RO1/RV1 - 180 Nm

Selezione Riduttore

1400 rpm

	i_n	i_r	n_2 [rpm]	M_2 [Nm]	P_1 [kW]	F_{r1} [N]	F_{r2} [N]	J_1 ($\times 10^{-4}$) [kgm ²]	56 B5	63 B*	71 B*	80 B*	90 B*
FRO13 FRV13 3c	7.1	7.58	185	130	2.7	1550	3310	1.1700	⊙	⊙	⊙	⊙	⊙
	9.0	9.14	153	130	2.2	1580	3740	1.0754	⊙	⊙	⊙	⊙	⊙
	10.0	9.57	146	140	2.3	1580	3600	1.0469	⊙	⊙	⊙	⊙	⊙
	11.2	11.63	120	150	2.0	1590	3570	0.9761	⊙	⊙	⊙	⊙	⊙
	14.0	14.02	100	130	1.5	1600	4040	0.9358	⊙	⊙	⊙	⊙	⊙
	16.0	15.14	92.5	165	1.7	1600	3550	0.9105	⊙	⊙	⊙	⊙	⊙
	18.0	18.25	76.7	135	1.2	1610	4240	0.8868	⊙	⊙	⊙	⊙	⊙
	20.0	19.15	73.1	170	1.4	1610	3670	0.8712	⊙	⊙	⊙	⊙	⊙
	22.4	23.33	60.0	170	1.1	1610	3820	0.8476	⊙	⊙	⊙	⊙	⊙
	25.0	24.44	57.3	150	0.96	1600	4150	0.3567	⊙	⊙	⊙	⊙	
	28.0	29.18	48.0	170	0.91	1610	3960	0.8281	⊙	⊙	⊙	⊙	
	31.5	31.82	44.0	165	0.81	1600	4120	0.3418	⊙	⊙	⊙	⊙	
	35.5	37.95	36.9	160	0.66	1610	4430	0.8125	⊙	⊙	⊙	⊙	
	40	40.25	34.8	175	0.68	1610	4100	0.3329	⊙	⊙	⊙	⊙	
	45	47.88	29.2	170	0.55	1600	4300	0.2717	⊙	⊙	⊙	⊙	
	50	49.02	28.6	175	0.56	1610	4100	0.3276	⊙	⊙	⊙	⊙	
	56	59.10	23.7	140	0.37	1610	4820	0.3253	⊙	⊙	⊙		
	63	61.31	22.8	170	0.43	1610	4000	0.3231	⊙	⊙	⊙		
	71	73.77	19.0	170	0.36	1610	4000	0.2654	⊙	⊙	⊙		
	80	84.93	16.5	165	0.30	1610	4400	0.2441	⊙	⊙	⊙		
	90	92.26	15.2	180	0.30	1610	4000	0.2634	⊙	⊙	⊙		
	100	103.46	13.5	180	0.27	1610	4000	0.2429	⊙	⊙	⊙		
	112	111.22	12.6	150	0.21	1610	4800	0.2628	⊙	⊙			
	125	129.39	10.8	180	0.22	1610	4000	0.2419	⊙	⊙			
	140	132.61	10.6	150	0.18	1610	4700	0.2614	⊙	⊙			
	160	168.30	8.32	175	0.16	1610	4100	0.2411	⊙	⊙			
	180	185.98	7.53	150	0.13	1610	4700	0.2409	⊙	⊙			
	200	202.90	6.90	150	0.12	1610	4800	0.2408	⊙				
	224	224.22	6.24	150	0.10	1610	4800	0.2407	⊙				
	250	249.80	5.60	150	0.09	1610	4800	0.2405	⊙				
	315	320.513	4.37	130	0.06	1360	4800	0.2320	⊙				

B* = B5 & B14

3c - Numero delle coppie di riduzione

	Olio [litri]						Peso
	H1	H2	H3	H4	V1	V2	[kg]
FRO13	0.5	0.45	0.4	0.45	0.35	0.45	6.4
FRV13	0.5	0.35	0.25	0.35	0.4	0.3	6.1

RO2/RV2 - 310 Nm

Riduttori RO-RV

1400 rpm

Selezione Riduttore

	i_n	i_r	n_2 [rpm]	M_2 [Nm]	P_1 [kW]	F_{r1} [N]	F_{r2} [N]	J_1 ($\times 10^{-4}$) [kgm ²]	71 B*	80 B*	90 B*	100 B*	112 B*
FRO23 FRV23 3c	6.3	6.62	211.4	200	4.7	2900	3350	3.7230	⊙	⊙	⊙	⊙	⊙
	8.0	8.47	165.3	220	4.1	2900	3620	3.4225	⊙	⊙	⊙	⊙	⊙
	9.0	8.97	156.0	225	3.9	2900	3710	3.4623	⊙	⊙	⊙	⊙	
	10.0	10.43	134.3	245	3.7	2900	3870	3.2499	⊙	⊙	⊙	⊙	
	11.2	11.48	122.0	230	3.1	3000	4040	3.2632	⊙	⊙	⊙	⊙	
	12.5	13.03	107.4	275	3.3	3000	3920	3.1175	⊙	⊙	⊙	⊙	
	14.0	14.13	99.1	230	2.5	3000	4340	3.1448	⊙	⊙	⊙	⊙	
	16.0	16.68	83.9	305	2.9	3000	3620	3.0140	⊙	⊙	⊙	⊙	
	18.0	17.80	78.6	250	2.2	3000	4480	1.3623	⊙	⊙	⊙	⊙	
	20.0	20.55	68.1	310	2.4	3000	3720	2.9511	⊙	⊙	⊙	⊙	
	22.4	21.91	63.9	270	1.9	3000	4420	1.3232	⊙	⊙	⊙		
	25.0	26.07	53.7	310	1.9	3000	3930	2.8990	⊙	⊙	⊙		
	28.0	27.39	51.1	310	1.8	3000	4180	1.2932	⊙	⊙	⊙		
	31.5	32.97	42.5	260	1.2	3000	4960	1.0795	⊙	⊙	⊙		
	35.5	35.06	39.9	310	1.4	3000	4220	1.2698	⊙	⊙	⊙		
	40	41.21	34.0	310	1.2	3000	4600	1.0662	⊙	⊙	⊙		
	45	43.18	32.4	310	1.1	3000	4450	1.2555	⊙	⊙	⊙		
	50	52.75	26.5	310	0.92	3000	4680	1.0559	⊙	⊙			
	56	54.78	25.6	310	0.88	3000	4720	1.2437	⊙	⊙			
	63	64.97	21.5	310	0.74	3000	4930	1.0496	⊙	⊙			
	71	73.98	18.9	285	0.60	3000	5510	0.9764	⊙	⊙			
	80	82.42	17.0	310	0.59	3000	5100	1.0444	⊙	⊙			
	90	91.12	15.4	310	0.53	3000	5100	0.9732	⊙				
	100	106.60	13.1	270	0.39	3000	6000	1.0405	⊙				
	112	115.60	12.1	310	0.42	3000	5100	0.9706	⊙				
	125	123.47	11.34	260	0.33	3000	6200	0.9721	⊙				
	140	149.51	9.36	270	0.28	3000	6000	0.9686	⊙				
	160	156.64	8.94	260	0.26	3000	6200	0.9699	⊙				
	180	170.11	8.23	260	0.24	3000	6200	1.0381	(⊙)				
	200	202.59	6.91	260	0.20	3000	6200	0.9682	(⊙)				
	224	238.58	5.87	260	0.17	3000	6200	0.9674	(⊙)				
	250	261.07	5.363	260	0.16	3000	6200	0.9670	(⊙)				
	315	319.55	4.381	260	0.13	3000	6200	0.9664	(⊙)				

B* = B5 & B14

3c - Numero delle coppie di riduzione

(⊙) - Potenza max utilizzabile $\leq P_1$

	Olio [litri]						Peso [kg]
	H1	H2	H3	H4	V1	V2	
FRO23	0.8	0.7	0.75	0.7	0.85	0.85	10.6
FRV23	0.65	0.6	0.5	0.6	0.7	0.55	10.1

RO-RV Riduttori

RO3/RV3 - 580 Nm

Selezione Riduttore

1400 rpm

	i_n	i_r	n_2 [rpm]	M_2 [Nm]	P_1 [kW]	F_{r1} [N]	F_{r2} [N]	J_1 ($\times 10^{-4}$) [kgm ²]	71 B*	80 B*	90 B*	100 B*	112 B*
FRO33 FRV33 3c	6.3	6.43	217.6	420	10.2	4550	4990	7.8449	⊙	⊙	⊙	⊙	⊙
	8.0	8.25	169.7	450	8.5	5540	5430	7.0546	⊙	⊙	⊙	⊙	⊙
	9.0	9.09	154.0	380	6.5	5710	5680	7.1141	⊙	⊙	⊙	⊙	⊙
	10.0	10.17	137.7	500	7.7	5630	4980	6.5966	⊙	⊙	⊙	⊙	⊙
	11.2	11.65	120.2	380	5.1	5730	6180	6.6099	⊙	⊙	⊙	⊙	⊙
	12.5	12.72	110.0	540	6.6	5710	4640	6.2405	⊙	⊙	⊙	⊙	⊙
	14.0	13.52	103.5	460	5.3	5520	5970	2.2602	⊙	⊙	⊙	⊙	⊙
	16.0	16.30	85.9	540	5.2	5730	4800	5.9573	⊙	⊙	⊙	⊙	⊙
	18.0	17.33	80.8	510	4.6	5680	5460	2.0812	⊙	⊙	⊙	⊙	⊙
	20.0	19.10	73.3	390	3.2	5730	7310	2.0993	⊙	⊙	⊙	⊙	
	22.4	21.67	64.6	550	4.0	5740	4970	5.7302	⊙	⊙	⊙	⊙	
	25.0	26.73	52.4	560	3.3	5730	5130	1.8969	⊙	⊙	⊙	⊙	
	28.0	28.74	48.7	400	2.2	5740	7800	1.4638	⊙	⊙	⊙	⊙	
	31.5	33.27	42.1	550	2.6	5740	4800	5.5211	⊙	⊙	⊙	⊙	
	35.5	34.26	40.9	560	2.5	5740	5370	1.8327	⊙	⊙	⊙	⊙	
	40	40.23	34.8	570	2.2	5740	5500	1.3744	⊙	⊙	⊙	⊙	
	45	45.54	30.7	570	2.0	5740	5580	1.7813	⊙	⊙	⊙		
	50	51.55	27.2	580	1.8	5740	5600	1.3460	⊙	⊙	⊙		
	56	53.60	26.1	580	1.7	5740	5600	1.7597	⊙	⊙	⊙		
	63	64.33	21.8	410	1.0	5740	8950	1.7667	⊙	⊙	⊙		
	71	68.52	20.4	580	1.3	5740	5500	1.3233	⊙	⊙	⊙		
	80	80.65	17.4	580	1.1	5740	5500	1.3138	⊙	⊙	⊙		
	90	91.94	15.2	410	0.70	5740	9580	1.7158	⊙	⊙			
	100	105.20	13.3	580	0.86	5750	5500	1.3024	⊙	⊙			
	112	113.11	12.4	580	0.80	5740	5500	1.1546	⊙	⊙			
	125	125.46	11.16	480	0.60	5740	8500	1.2969	⊙	⊙			
	140	147.54	9.49	580	0.61	5740	5500	1.1488	⊙	⊙			
	160	162.17	8.63	430	0.41	5740	9400	1.7036	⊙				
	180	175.95	7.96	490	0.43	5740	8200	1.1460	⊙				
	200	208.42	6.72	430	0.32	5740	9400	1.1474	⊙				
	250	248.56	5.63	430	0.27	5740	9400	1.1450	⊙				
	280	274.11	5.107	430	0.25	5740	9400	1.1439	⊙				
	315	342.23	4.091	430	0.20	5740	9400	1.1420	(⊙)				

B* = B5 & B14

3c - Numero delle coppie di riduzione

(⊙) - Potenza max utilizzabile $\leq P_1$

	Olio [litri]						Peso [kg]
	H1	H2	H3	H4	V1	V2	
FRO33	1.5	1.2	1.4	1.2	1.5	1.7	12.5
FRV33	1.5	1.0	0.8	1.0	1.2	0.8	13.0

RO4/RV4 - 1000 Nm

Riduttori RO-RV

1400 rpm

Selezione Riduttore

	i_n	i_r	n_2 [rpm]	M_2 [Nm]	P_1 [kW]	F_{r1} [N]	F_{r2} [N]	J_1 ($\times 10^{-4}$) [kgm ²]	71 B5	80 B5	90 B5	100 B*	112 B*
FRO43 FRV43 3c	6.3	6.60	212.1	470	11.1	5670	5570	18.0401	⊙	⊙	⊙	⊙	⊙
	8.0	8.35	167.6	530	9.9	5740	6000	16.3029	⊙	⊙	⊙	⊙	⊙
	9.0	8.72	160.6	650	11.6	5560	5980	16.5334	⊙	⊙	⊙	⊙	⊙
	10.0	10.43	134.2	610	9.1	5770	6430	15.1392	⊙	⊙	⊙	⊙	⊙
	11.2	11.04	126.8	650	9.2	5740	6520	15.3615	⊙	⊙	⊙	⊙	⊙
	12.5	13.29	105.4	670	7.9	5780	6950	14.2633	⊙	⊙	⊙	⊙	⊙
	14.0	13.87	100.9	515	5.8	5630	7190	6.3637	⊙	⊙	⊙	⊙	⊙
	16.0	16.21	86.4	730	7.0	5780	7420	13.7425	⊙	⊙	⊙	⊙	⊙
	18.0	17.55	79.8	610	5.4	5700	7740	5.9704	⊙	⊙	⊙	⊙	⊙
	20.0	20.22	69.2	780	6.0	5780	7980	13.3129	⊙	⊙	⊙	⊙	⊙
	22.4	21.94	63.8	690	4.9	5740	8310	5.7069	⊙	⊙	⊙	⊙	⊙
	25.0	26.10	53.6	840	5.0	5780	8690	12.9609	⊙	⊙	⊙	⊙	⊙
	28.0	27.92	50.1	770	4.3	5780	8990	5.5085	⊙	⊙	⊙	⊙	⊙
	31.5	32.52	43.1	890	4.3	5790	9390	12.7520	⊙	⊙	⊙	⊙	⊙
	35.5	34.06	41.1	840	3.9	5780	9580	5.3906	⊙	⊙	⊙	⊙	
	45	42.50	32.9	840	3.1	5780	10020	5.2933	⊙	⊙	⊙	⊙	
	50	51.25	27.3	980	3.0	5780	9720	4.3723	⊙	⊙	⊙	⊙	
	56	54.84	25.5	980	2.8	5790	9800	5.2136	⊙	⊙	⊙	⊙	
	63	63.95	21.9	990	2.4	5780	10090	4.3293	⊙	⊙	⊙	⊙	
	71	68.34	20.5	920	2.1	5790	10970	5.1663	⊙	⊙	⊙		
	80	82.52	17.0	1000	1.9	5790	10510	4.2941	⊙	⊙	⊙		
	90	89.69	15.6	890	1.6	5790	11880	3.9791	⊙	⊙	⊙		
	100	102.83	13.6	940	1.4	5790	11740	4.2732	⊙	⊙	⊙		
	112	115.73	12.1	1020	1.4	5790	11130	3.9612	⊙	⊙	⊙		
	125	121.80	11.5	780	1.0	5790	13730	5.1136	⊙	⊙			
	140	144.22	9.71	950	1.0	5790	12410	3.9506	⊙	⊙			
	160	164.63	8.50	750	0.71	5790	14400	4.2552	⊙	⊙			
	180	183.27	7.64	790	0.67	5790	14710	4.2500	⊙	⊙			
	200	190.66	7.34	750	0.61	5790	14830	3.9474	⊙	⊙			
	224	230.89	6.06	750	0.51	5790	15400	3.9414	⊙				
	250	257.04	5.45	750	0.46	5790	16500	3.9388	⊙				
	280	289.000	4.844	750	0.41	5790	16470	3.9363	⊙				

B* = B5 & B14

3c - Numero delle coppie di riduzione

	Olio [litri]						Peso [kg]
	H1	H2	H3	H4	V1	V2	
FRO43	2.8	2.0	1.6	2.0	2.0	2.5	39.0
FRV43	2.9	1.9	1.2	1.8	2.6	1.7	36.5

RO-RV Riduttori

RO5/RV5 - 1800 Nm

Selezione Riduttore

1400 rpm

	i_n	i_r	n_2 [rpm]	M_2 [Nm]	P_1 [kW]	F_{r1} [N]	F_{r2} [N]	J_1 ($\times 10^{-4}$) [kgm ²]	80 90 B5	100 112 B5	132 B*	160 B5	180 B5
FRO53 FRV53 3c	6.3	6.48	215.9	930	22.4	8200	8020	57.2158	⊙	⊙	⊙	⊙	⊙
	8.0	8.57	163.3	1100	20.0	8290	8770	52.4172	⊙	⊙	⊙	⊙	⊙
	10.0	10.87	128.8	1230	17.6	8350	9470	49.6847	⊙	⊙	⊙	⊙	⊙
	12.5	13.17	106.3	1400	16.6	8350	10050	48.0516	⊙	⊙	⊙	⊙	⊙
	14.0	13.63	102.7	1050	12.0	8110	10340	20.5375	⊙	⊙	⊙	⊙	
	16.0	16.24	86.2	1470	14.1	8360	10150	46.6813	⊙	⊙	⊙	⊙	
	18.0	18.02	77.7	1250	10.8	8260	11300	19.4509	⊙	⊙	⊙		
	20.0	20.53	68.2	1600	12.2	8360	8650	45.5253	⊙	⊙	⊙	⊙	
	22.4	22.85	61.3	1420	9.7	8310	11180	18.8321	⊙	⊙	⊙		
	25.0	26.97	51.9	1670	9.7	8360	8140	44.5592	⊙	⊙	⊙		
	28.0	27.68	50.6	1560	8.8	8350	9800	18.4623	⊙	⊙	⊙		
	31.5	31.69	44.2	1680	8.3	8360	8230	44.1495	⊙	⊙	⊙		
	35.5	34.12	41.0	1690	7.7	8360	8340	18.1520	⊙	⊙	⊙		
	40	41.65	33.6	1700	6.4	8330	8510	14.8941	⊙	⊙	⊙		
	45	43.14	32.5	1700	6.2	8360	8540	17.8902	⊙	⊙	⊙		
	50	51.34	27.3	1720	5.2	8360	8720	14.7570	⊙	⊙			
	56	56.67	24.7	1730	4.8	8360	8820	17.6715	⊙	⊙			
	63	64.91	21.6	1740	4.2	8360	8950	14.6414	⊙	⊙			
	71	72.56	19.3	1660	3.6	8360	10800	17.5356	⊙	⊙			
	80	79.37	17.6	1280	2.5	8360	16160	13.5189	⊙	⊙			
	90	91.04	15.4	1770	3.0	8360	8400	13.4434	⊙	⊙			
	100	100.20	14.0	1780	2.8	8360	8000	14.5038	⊙	⊙			
	112	109.18	12.8	1700	2.4	8360	11200	14.4848	⊙	⊙			
	125	119.59	11.7	1790	2.3	8360	7200	13.3942	⊙	⊙			
	140	140.53	10.0	1790	2.0	8360	7200	13.3734	⊙				
	160	153.12	9.14	1720	1.8	8360	10100	13.3637	⊙				
	180	185.17	7.56	1420	1.2	8360	17640	13.3462	⊙				
	200	208.05	6.73	1330	1.0	8360	19060	13.3560	⊙				
	224	224.24	6.24	1330	0.92	8360	19100	14.4140	⊙				
	250	251.60	5.56	1330	0.82	8360	19100	13.3409	⊙				
	315	314.50	4.45	1330	0.66	8360	19100	13.3277	⊙				

B* = B5 & B14

3c - Numero delle coppie di riduzione

	Olio [litri]						Peso [kg]
	H1	H2	H3	H4	V1	V2	
FRO53	5.1	3.6	2.9	3.6	5.0	5.0	73
FRV53	5.2	3.4	2.1	3.2	4.7	4.7	68

RO6/RV6 - 3400 Nm

Riduttori RO-RV

1400 rpm

Selezione Riduttore

	i_n	i_r	n_2 [rpm]	M_2 [Nm]	P_1 [kW]	F_{r1} [N]	F_{r2} [N]	$J_1 (x 10^{-4})$ [kgm ²]	80 90 B5	100 112 B5	132 B*	160 B5	180 B5
FRO63 FRV63 3c	6.3	6.43	217.7	1660	40.3	6670	10740	102.1187	⊙	⊙	⊙	⊙	⊙
	8.0	8.50	164.7	1740	31.9	7570	11850	89.9906	⊙	⊙	⊙	⊙	⊙
	10.0	10.78	129.9	1970	28.5	7820	12750	81.543	⊙	⊙	⊙	⊙	⊙
	12.5	13.06	107.2	2150	25.7	8010	13550	76.4873	⊙	⊙	⊙	⊙	⊙
	14.0	13.51	103.6	1640	18.9	7530	14110	40.9607	⊙	⊙	⊙	⊙	⊙
	16.0	16.10	87.0	2330	22.6	8190	14450	72.2401	⊙	⊙	⊙	⊙	⊙
	18.0	17.87	78.4	1950	17.0	7880	15380	38.2144	⊙	⊙	⊙	⊙	⊙
	20.0	20.36	68.8	2530	19.4	8310	14100	68.6529	⊙	⊙	⊙	⊙	⊙
	22.4	22.66	61.8	2230	15.4	8090	16460	36.3014	⊙	⊙	⊙	⊙	⊙
	25.0	25.48	55.0	2300	14.1	8230	16820	36.6126	⊙	⊙	⊙	⊙	
	28.0	27.45	51.0	2450	13.9	8240	15700	35.1566	⊙	⊙	⊙	⊙	
	31.5	31.85	44.0	2860	14.0	8360	11540	64.3060	⊙	⊙	⊙	⊙	
	35.5	33.83	41.4	2690	12.4	8310	13920	34.1949	⊙	⊙	⊙	⊙	
	40	42.78	32.7	2950	10.8	8360	11390	33.3825	⊙	⊙	⊙		
	45	42.95	32.6	2540	9.2	8360	16450	62.5533	⊙	⊙	⊙		
	50	50.91	27.5	3360	10.3	8120	9810	25.1536	⊙	⊙	⊙		
	56	56.19	24.9	3360	9.3	8360	9970	32.7029	⊙	⊙	⊙		
	63	64.36	21.8	3360	8.1	8330	10200	24.7949	⊙	⊙	⊙		
	71	73.41	19.1	3250	6.9	8360	11430	32.2564	⊙	⊙	⊙		
	80	84.55	16.6	3360	6.2	8360	11400	24.4947	⊙	⊙	⊙		
	90	90.27	15.5	3360	5.8	8340	11400	21.7196	⊙	⊙	⊙		
	100	100.70	13.9	3360	5.2	8360	9800	24.3601	⊙	⊙			
	112	118.58	11.8	3360	4.4	8360	9800	21.5670	⊙	⊙			
	125	128.72	10.9	2490	3.0	8360	22060	21.6569	⊙	⊙			
	140	141.23	9.9	3360	3.7	8360	9800	21.4986	⊙	⊙			
	160	154.91	9.04	3360	3.4	8360	9800	21.4668	⊙	⊙			
	180	190.49	7.35	2730	2.2	8360	19400	21.4095	⊙	⊙			
	224	220.89	6.34	2550	1.8	8360	22500	21.4455	⊙				
	280	271.62	5.15	2550	1.5	8360	22500	21.3954	⊙				
	315	305.43	4.58	2550	1.3	8360	22500	21.3730	⊙				

B* = B5 & B14

3c - Numero delle coppie di riduzione

	Olio [litri]						Peso [kg]
	H1	H2	H3	H4	V1	V2	
FRO63	9.2	6.5	5.2	6.5	9.0	9.0	121
FRV63	9.4	6.1	3.8	5.8	8.5	8.5	117

RO-RV Riduttori

Selezione Motoriduttore

1400 rpm

P ₁ [kW]	i _n	i _r	n ₂ [rpm]	M ₂ [Nm]	FS	Tipo	F _{r2} [N]	MRO/V [kg]	FRO/V [kg]	J _m × 10 ⁻⁴	J ₁ × 10 ⁻⁴
0.06	7.1	7.58	185	2.9	> 3.5	MRO-MRV 13	3310	9.4	6.9	1.50	0.9150
	9.0	9.14	153	3.5	> 3.5	MRO-MRV 13	3740	9.4	6.9	1.50	0.8480
	10.0	9.57	146	3.7	> 3.5	MRO-MRV 13	3600	9.4	6.9	1.50	0.7740
	11.2	11.63	120	4.5	> 3.5	MRO-MRV 13	3570	9.4	6.9	1.50	0.6940
	14.0	14.02	100	5.2	> 3.5	MRO-MRV 13	4040	9.4	6.9	1.50	0.6660
	16.0	15.14	92.5	5.8	> 3.5	MRO-MRV 13	3550	9.4	6.9	1.50	0.6210
	18.0	18.25	76.7	6.8	> 3.5	MRO-MRV 13	4240	9.4	6.9	1.50	0.6040
	20.0	19.15	73.1	7.3	> 3.5	MRO-MRV 13	3670	9.4	6.9	1.50	0.5770
	22.4	23.33	60	9.3	> 3.5	MRO-MRV 13	3820	9.4	6.9	1.50	0.5510
	25.0	24.44	57.3	9.4	> 3.5	MRO-MRV 13	4150	9.4	6.9	1.50	0.4940
	28.0	29.18	48	11.2	> 3.5	MRO-MRV 13	3960	9.4	6.9	1.50	0.5290
	31.5	31.82	44	12.2	> 3.5	MRO-MRV 13	4120	9.4	6.9	1.50	0.4770
	35.5	37.95	36.9	14.5	> 3.5	MRO-MRV 13	4430	9.4	6.9	1.50	0.5120
	40.0	40.25	34.8	15.4	> 3.5	MRO-MRV 13	4100	9.4	6.9	1.50	0.4670
	45.0	47.88	29.2	18.5	> 3.5	MRO-MRV 13	4300	9.4	6.9	1.50	0.4540
	50.0	49.02	28.6	18.8	> 3.5	MRO-MRV 13	4100	9.4	6.9	1.50	0.4610
	56.0	59.10	23.7	22.7	> 3.5	MRO-MRV 13	4820	9.4	6.9	1.50	0.4600
	63.0	61.31	22.8	23.7	> 3.5	MRO-MRV 13	4000	9.4	6.9	1.50	0.4560
	71.0	73.77	19	28.3	> 3.5	MRO-MRV 13	4000	9.4	6.9	1.50	0.4470
	80.0	84.93	16.5	33.0	> 3.5	MRO-MRV 13	4400	9.4	6.9	1.50	0.4420
	90.0	92.26	15.2	36.0	> 3.5	MRO-MRV 13	4000	9.4	6.9	1.50	0.4450
	100.0	103.46	13.5	40.0	> 3.5	MRO-MRV 13	4000	9.4	6.9	1.50	0.4410
	112.0	111.22	12.6	42.9	3.5	MRO-MRV 13	4800	9.4	6.9	1.50	0.4440
	125.0	129.39	10.8	49.1	> 3.5	MRO-MRV 13	4000	9.4	6.9	1.50	0.4400
	140.0	132.61	10.6	50.0	3.0	MRO-MRV 13	4700	9.4	6.9	1.50	0.4420
	160.0	168.30	8.32	65.6	2.7	MRO-MRV 13	4100	9.4	6.9	1.50	0.4390
	180.0	185.98	7.53	69.2	2.2	MRO-MRV 13	4700	9.4	6.9	1.50	0.4390
	200.0	202.90	6.9	75.0	2.0	MRO-MRV 13	4800	9.4	6.9	1.50	0.4390
	224.0	224.22	6.24	90.0	1.7	MRO-MRV 13	4800	9.4	6.9	1.50	0.4390
	250.0	249.80	5.6	100.0	1.5	MRO-MRV 13	4800	9.4	6.9	1.50	0.4380
	315.0	320.51	4.37	130.0	1.0	MRO-MRV 13	4800	9.4	6.9	1.50	0.4380
0.09	7.1	7.58	185	4.3	> 3.5	MRO-MRV 13	3310	9.5	6.9	2.00	0.9150
	9.0	9.14	153	5.3	> 3.5	MRO-MRV 13	3740	9.5	6.9	2.00	0.8480
	10.0	9.57	146	5.5	> 3.5	MRO-MRV 13	3600	9.5	6.9	2.00	0.7740
	11.2	11.63	120	6.8	> 3.5	MRO-MRV 13	3570	9.5	6.9	2.00	0.6940
	14.0	14.02	100	7.8	> 3.5	MRO-MRV 13	4040	9.5	6.9	2.00	0.6660
	16.0	15.14	92.5	8.7	> 3.5	MRO-MRV 13	3550	9.5	6.9	2.00	0.6210
	18.0	18.25	76.7	10.1	> 3.5	MRO-MRV 13	4240	9.5	6.9	2.00	0.6040
	20.0	19.15	73.1	10.9	> 3.5	MRO-MRV 13	3670	9.5	6.9	2.00	0.5770
	22.4	23.33	60	13.9	> 3.5	MRO-MRV 13	3820	9.5	6.9	2.00	0.5510
	25.0	24.44	57.3	14.1	> 3.5	MRO-MRV 13	4150	9.5	6.9	2.00	0.4940
	28.0	29.18	48	16.8	> 3.5	MRO-MRV 13	3960	9.5	6.9	2.00	0.5290
	31.5	31.82	44	18.3	> 3.5	MRO-MRV 13	4120	9.5	6.9	2.00	0.4770
	35.5	37.95	36.9	21.8	> 3.5	MRO-MRV 13	4430	9.5	6.9	2.00	0.5120
	40.0	40.25	34.8	23.2	> 3.5	MRO-MRV 13	4100	9.5	6.9	2.00	0.4670
	45.0	47.88	29.2	27.8	> 3.5	MRO-MRV 13	4300	9.5	6.9	2.00	0.4540
	50.0	49.02	28.6	28.1	> 3.5	MRO-MRV 13	4100	9.5	6.9	2.00	0.4610
	56.0	59.10	23.7	34.1	> 3.5	MRO-MRV 13	4820	9.5	6.9	2.00	0.4600
	63.0	61.31	22.8	35.6	> 3.5	MRO-MRV 13	4000	9.5	6.9	2.00	0.4560
	71.0	73.77	19	42.5	> 3.5	MRO-MRV 13	4000	9.5	6.9	2.00	0.4470

Riduttori RO-RV

1400 rpm
Selezione Motoriduttore

P ₁ [kW]	i _n	i _r	n ₂ [rpm]	M ₂ [Nm]	FS	Tipo	F _{r2} [N]	MRO/V [kg]	FRO/V [kg]	J _m × 10 ⁻⁴	J ₁ × 10 ⁻⁴
0.09	80.0	84.93	16.5	49.5	3.3	MRO-MRV 13	4400	9.5	6.9	2.00	0.4420
	90.0	92.26	15.2	54.0	3.3	MRO-MRV 13	4000	9.5	6.9	2.00	0.4450
	100.0	103.46	13.5	60.0	3.0	MRO-MRV 13	4000	9.5	6.9	2.00	0.4410
	112.0	111.22	12.6	64.3	2.3	MRO-MRV 13	4800	9.5	6.9	2.00	0.4440
	125.0	129.39	10.8	73.6	2.4	MRO-MRV 13	4000	9.5	6.9	2.00	0.4400
	140.0	132.61	10.6	75.0	2.0	MRO-MRV 13	4700	9.5	6.9	2.00	0.4420
	160.0	168.30	8.32	98.4	1.8	MRO-MRV 13	4100	9.5	6.9	2.00	0.4390
	180.0	185.98	7.53	103.8	1.4	MRO-MRV 13	4700	9.5	6.9	2.00	0.4390
	200.0	202.90	6.9	112.5	1.3	MRO-MRV 13	4800	9.5	6.9	2.00	0.4390
	224.0	224.22	6.24	135.0	1.1	MRO-MRV 13	4800	9.5	6.9	2.00	0.4390
	250.0	249.80	5.6	150.0	1.0	MRO-MRV 13	4800	9.5	6.9	2.00	0.4380
	315.0	320.51	4.37	195.0	0.7	MRO-MRV 13	4800	9.5	6.9	2.00	0.4380
0.13	7.1	7.58	185	6.3	> 3.5	MRO-MRV 13	3310	10.6	6.9	2.80	0.9150
	9.0	9.14	153	7.7	> 3.5	MRO-MRV 13	3740	10.6	6.9	2.80	0.8480
	10.0	9.57	146	7.9	> 3.5	MRO-MRV 13	3600	10.6	6.9	2.80	0.7740
	11.2	11.63	120	9.8	> 3.5	MRO-MRV 13	3570	10.6	6.9	2.80	0.6940
	14.0	14.02	100	11.3	> 3.5	MRO-MRV 13	4040	10.6	6.9	2.80	0.6660
	16.0	15.14	92.5	12.6	> 3.5	MRO-MRV 13	3550	10.6	6.9	2.80	0.6210
	18.0	18.25	76.7	14.6	> 3.5	MRO-MRV 13	4240	10.6	6.9	2.80	0.6040
	20.0	19.15	73.1	15.8	> 3.5	MRO-MRV 13	3670	10.6	6.9	2.80	0.5770
	22.4	23.33	60	20.1	> 3.5	MRO-MRV 13	3820	10.6	6.9	2.80	0.5510
	25.0	24.44	57.3	20.3	> 3.5	MRO-MRV 13	4150	10.6	6.9	2.80	0.4940
	28.0	29.18	48	24.3	> 3.5	MRO-MRV 13	3960	10.6	6.9	2.80	0.5290
	31.5	31.82	44	26.5	> 3.5	MRO-MRV 13	4120	10.6	6.9	2.80	0.4770
	35.5	37.95	36.9	31.5	> 3.5	MRO-MRV 13	4430	10.6	6.9	2.80	0.5120
	40.0	40.25	34.8	33.5	> 3.5	MRO-MRV 13	4100	10.6	6.9	2.80	0.4670
	45.0	47.88	29.2	40.2	> 3.5	MRO-MRV 13	4300	10.6	6.9	2.80	0.4540
	50.0	49.02	28.6	40.6	> 3.5	MRO-MRV 13	4100	10.6	6.9	2.80	0.4610
	56.0	59.10	23.7	49.2	2.8	MRO-MRV 13	4820	10.6	6.9	2.80	0.4600
	63.0	61.31	22.8	51.4	3.3	MRO-MRV 13	4000	10.6	6.9	2.80	0.4560
	71.0	73.77	19	61.4	2.8	MRO-MRV 13	4000	10.6	6.9	2.80	0.4470
	80.0	84.93	16.5	71.5	2.3	MRO-MRV 13	4400	10.6	6.9	2.80	0.4420
	90.0	92.26	15.2	78.0	2.3	MRO-MRV 13	4000	10.6	6.9	2.80	0.4450
	100.0	103.46	13.5	86.7	2.1	MRO-MRV 13	4000	10.6	6.9	2.80	0.4410
	112.0	111.22	12.6	92.9	1.6	MRO-MRV 13	4800	10.6	6.9	2.80	0.4440
	125.0	129.39	10.8	106.4	1.7	MRO-MRV 13	4000	10.6	6.9	2.80	0.4400
	140.0	132.61	10.6	108.3	1.4	MRO-MRV 13	4700	10.6	6.9	2.80	0.4420
	160.0	168.30	8.32	142.2	1.2	MRO-MRV 13	4100	10.6	6.9	2.80	0.4390
	180.0	185.98	7.53	150.0	1.0	MRO-MRV 13	4700	10.6	6.9	2.80	0.4390
0.18	7.1	7.58	185	8.7	> 3.5	MRO-MRV 13	3310	11.2	6.9	4.00	0.9150
	9.0	9.14	153	10.6	> 3.5	MRO-MRV 13	3740	11.2	6.9	4.00	0.8480
	10.0	9.57	146	11.0	> 3.5	MRO-MRV 13	3600	11.2	6.9	4.00	0.7740
	11.2	11.63	120	13.5	> 3.5	MRO-MRV 13	3570	11.2	6.9	4.00	0.6940
	14.0	14.02	100	15.6	> 3.5	MRO-MRV 13	4040	11.2	6.9	4.00	0.6660
	16.0	15.14	92.5	17.5	> 3.5	MRO-MRV 13	3550	11.2	6.9	4.00	0.6210
	18.0	18.25	76.7	20.3	> 3.5	MRO-MRV 13	4240	11.2	6.9	4.00	0.6040
	20.0	19.15	73.1	21.9	> 3.5	MRO-MRV 13	3670	11.2	6.9	4.00	0.5770
	22.4	23.33	60	27.8	> 3.5	MRO-MRV 13	3820	11.2	6.9	4.00	0.5510
	25.0	24.44	57.3	28.1	> 3.5	MRO-MRV 13	4150	11.2	6.9	4.00	0.4940
	28.0	29.18	48	33.6	> 3.5	MRO-MRV 13	3960	11.2	6.9	4.00	0.5290

RO-RV Riduttori

Selezione Motoriduttore

1400 rpm

P ₁ [kW]	i _n	i _r	n ₂ [rpm]	M ₂ [Nm]	FS	Tipo	F _{r2} [N]	MRO/V [kg]	FRO/V [kg]	J _m × 10 ⁻⁴	J ₁ × 10 ⁻⁴
0.18	31.5	31.82	44	36.7	> 3.5	MRO-MRV 13	4120	11.2	6.9	4.00	0.4770
	35.5	37.95	36.9	43.6	> 3.5	MRO-MRV 13	4430	11.2	6.9	4.00	0.5120
	40.0	40.25	34.8	46.3	> 3.5	MRO-MRV 13	4100	11.2	6.9	4.00	0.4670
	45.0	47.88	29.2	55.6	3.1	MRO-MRV 13	4300	11.2	6.9	4.00	0.4540
	50.0	49.02	28.6	56.3	3.1	MRO-MRV 13	4100	11.2	6.9	4.00	0.4610
	56.0	59.10	23.7	68.1	2.1	MRO-MRV 13	4820	11.2	6.9	4.00	0.4600
	63.0	61.31	22.8	71.2	2.4	MRO-MRV 13	4000	11.2	6.9	4.00	0.4560
	71.0	73.77	19	85.0	2.0	MRO-MRV 13	4000	11.2	6.9	4.00	0.4470
	80.0	84.93	16.5	99.0	1.7	MRO-MRV 13	4400	11.2	6.9	4.00	0.4420
	90.0	92.26	15.2	108.0	1.7	MRO-MRV 13	4000	11.2	6.9	4.00	0.4450
	100.0	103.46	13.5	120.0	1.5	MRO-MRV 13	4000	11.2	6.9	4.00	0.4410
	112.0	111.22	12.6	128.6	1.2	MRO-MRV 13	4800	11.2	6.9	4.00	0.4440
	125.0	129.39	10.8	147.3	1.2	MRO-MRV 13	4000	11.2	6.9	4.00	0.4400
	140.0	132.61	10.6	150.0	1.0	MRO-MRV 13	4700	11.2	6.9	4.00	0.4420
	160.0	168.30	8.32	196.9	0.9	MRO-MRV 13	4100	11.2	6.9	4.00	0.4390
	180.0	185.98	7.53	207.7	0.7	MRO-MRV 13	4700	11.2	6.9	4.00	0.4390
0.25	6.3	6.62	211.4	10.6	> 3.5	MRO-MRV 23	3350	17.1	11.3	5.00	1.7940
		6.43	217.6	10.3	> 3.5	MRO-MRV 33	4550	22.0	16.2	5.00	5.3400
		6.60	212.1	10.6	> 3.5	MRO-MRV 43	5570	46.8	41.0	5.00	11.5009
	7.1	7.58	185	12.0	> 3.5	MRO-MRV 13	3310	12.7	6.9	5.00	0.9150
	8.0	8.47	165.3	13.4	> 3.5	MRO-MRV 23	3620	17.1	11.3	5.00	1.3930
		8.25	169.7	13.2	> 3.5	MRO-MRV 33	5540	22.0	16.2	5.00	4.2720
		8.35	167.6	13.4	> 3.5	MRO-MRV 43	6000	46.8	41.0	5.00	9.2271
	9.0	9.14	153	14.8	> 3.5	MRO-MRV 13	3740	12.7	6.9	5.00	0.8480
		8.97	156	14.4	> 3.5	MRO-MRV 23	3710	17.1	11.3	5.00	1.5320
		9.09	154	14.6	> 3.5	MRO-MRV 33	5710	22.0	16.2	5.00	4.6310
		8.72	160.6	14.0	> 3.5	MRO-MRV 43	5980	46.8	41.0	5.00	10.1119
	10.0	9.57	146	15.2	> 3.5	MRO-MRV 13	3600	12.7	6.9	5.00	0.7740
		10.43	134.3	16.6	> 3.5	MRO-MRV 23	3870	17.1	11.3	5.00	1.1640
		10.17	137.7	16.2	> 3.5	MRO-MRV 33	5630	22.0	16.2	5.00	3.6570
		10.43	134.2	16.8	> 3.5	MRO-MRV 43	6430	46.8	41.0	5.00	7.7706
	11.2	11.63	120	18.8	> 3.5	MRO-MRV 13	3570	12.7	6.9	5.00	0.6940
		11.48	122	18.5	> 3.5	MRO-MRV 23	4040	17.1	11.3	5.00	1.2320
		11.65	120.2	18.6	> 3.5	MRO-MRV 33	5730	22.0	16.2	5.00	3.8410
		11.04	126.8	17.7	> 3.5	MRO-MRV 43	6520	46.8	41.0	5.00	8.3593
	12.5	13.03	107.4	20.8	> 3.5	MRO-MRV 23	3920	17.1	11.3	5.00	0.9900
		12.72	110	20.5	> 3.5	MRO-MRV 33	5710	22.0	16.2	5.00	3.1860
		13.29	105.4	21.2	> 3.5	MRO-MRV 43	6950	46.8	41.0	5.00	6.6865
	14.0	14.02	100	21.7	> 3.5	MRO-MRV 13	4040	12.7	6.9	5.00	0.6660
		14.13	99.1	23.0	> 3.5	MRO-MRV 23	4340	17.1	11.3	5.00	1.0580
		13.52	103.5	21.7	> 3.5	MRO-MRV 33	5520	22.0	16.2	5.00	2.5250
		13.87	100.9	22.2	> 3.5	MRO-MRV 43	7190	46.8	41.0	5.00	5.5410
	16.0	15.14	92.5	24.3	> 3.5	MRO-MRV 13	3550	12.7	6.9	5.00	0.6210
		16.68	83.9	26.3	> 3.5	MRO-MRV 23	3620	17.1	11.3	5.00	0.8580
		16.30	85.9	26.0	> 3.5	MRO-MRV 33	5730	22.0	16.2	5.00	2.8190
		16.21	86.4	26.1	> 3.5	MRO-MRV 43	7420	46.8	41.0	5.00	6.0497
	18.0	18.25	76.7	28.1	> 3.5	MRO-MRV 13	4240	12.7	6.9	5.00	0.6040
		17.80	78.6	28.4	> 3.5	MRO-MRV 23	4480	17.1	11.3	5.00	0.6830
		17.33	80.8	27.7	> 3.5	MRO-MRV 33	5680	22.0	16.2	5.00	2.2830
		17.55	79.8	28.2	> 3.5	MRO-MRV 43	7740	46.8	41.0	5.00	5.0261

Riduttori RO-RV

1400 rpm

Selezione Motoriduttore

P ₁ [kW]	i _n	i _r	n ₂ [rpm]	M ₂ [Nm]	FS	Tipo	F _{r2} [N]	MRO/V [kg]	FRO/V [kg]	J _m × 10 ⁻⁴	J ₁ × 10 ⁻⁴
0.25	20.0	19.15	73.1	30.4	> 3.5	MRO-MRV 13	3670	12.7	6.9	5.00	0.5770
		20.55	68.1	32.3	> 3.5	MRO-MRV 23	3720	17.1	11.3	5.00	0.7790
		19.10	73.3	30.5	> 3.5	MRO-MRV 33	5730	22.0	16.2	5.00	2.3640
		20.22	69.2	32.5	> 3.5	MRO-MRV 43	7980	46.8	41.0	5.00	5.5318
	22.4	23.33	60	38.6	> 3.5	MRO-MRV 13	3820	12.7	6.9	5.00	0.5510
		21.91	63.9	35.5	> 3.5	MRO-MRV 23	4420	17.1	11.3	5.00	0.6310
		21.67	64.6	34.4	> 3.5	MRO-MRV 33	5740	22.0	16.2	5.00	2.5320
		21.94	63.8	35.2	> 3.5	MRO-MRV 43	8310	46.8	41.0	5.00	4.6963
	25.0	24.44	57.3	39.1	> 3.5	MRO-MRV 13	4150	12.7	6.9	5.00	0.4940
		26.07	53.7	40.8	> 3.5	MRO-MRV 23	3930	17.1	11.3	5.00	0.7150
		26.73	52.4	42.4	> 3.5	MRO-MRV 33	5730	22.0	16.2	5.00	2.0370
		26.10	53.6	42.0	> 3.5	MRO-MRV 43	8690	46.8	41.0	5.00	5.1123
	28.0	29.18	48	46.7	> 3.5	MRO-MRV 13	3960	12.7	6.9	5.00	0.5290
		27.39	51.1	43.1	> 3.5	MRO-MRV 23	4180	17.1	11.3	5.00	0.5920
		28.74	48.7	45.5	> 3.5	MRO-MRV 33	5740	22.0	16.2	5.00	1.9940
		27.92	50.1	44.8	> 3.5	MRO-MRV 43	8990	46.8	41.0	5.00	4.4508
	31.5	31.82	44	50.9	3.2	MRO-MRV 13	4120	12.7	6.9	5.00	0.4770
		32.97	42.5	54.2	> 3.5	MRO-MRV 23	4960	17.1	11.3	5.00	0.5440
		33.27	42.1	52.9	> 3.5	MRO-MRV 33	5740	22.0	16.2	5.00	2.2750
		32.52	43.1	51.7	> 3.5	MRO-MRV 43	9390	46.8	41.0	5.00	4.8644
	35.5	37.95	36.9	60.6	2.6	MRO-MRV 13	4430	12.7	6.9	5.00	0.5120
		35.06	39.9	55.4	> 3.5	MRO-MRV 23	4220	17.1	11.3	5.00	0.5620
		34.26	40.9	56.0	> 3.5	MRO-MRV 33	5740	22.0	16.2	5.00	1.9540
		34.06	41.1	53.8	> 3.5	MRO-MRV 43	9580	46.8	41.0	5.00	4.3066
	40.0	40.25	34.8	64.3	2.7	MRO-MRV 13	4100	12.7	6.9	5.00	0.4670
		41.21	34	64.6	> 3.5	MRO-MRV 23	4600	17.1	11.3	5.00	0.5270
		40.23	34.8	64.8	> 3.5	MRO-MRV 33	5740	22.0	16.2	5.00	1.8490
		45.0	29.2	77.3	2.2	MRO-MRV 13	4300	12.7	6.9	5.00	0.4540
	43.18	32.4	70.5	> 3.5	MRO-MRV 23	4450	17.1	11.3	5.00	0.5440	
		45.54	30.7	71.3	> 3.5	MRO-MRV 33	5740	22.0	16.2	5.00	1.8890
		42.50	32.9	67.7	> 3.5	MRO-MRV 43	10020	46.8	41.0	5.00	4.1893
		50.0	49.02	28.6	78.1	2.2	MRO-MRV 13	4100	12.7	6.9	5.00
	52.75	26.5	84.2	> 3.5	MRO-MRV 23	4680	17.1	11.3	5.00	0.5130	
		51.55	27.2	80.6	> 3.5	MRO-MRV 33	5740	22.0	16.2	5.00	1.8120
		51.25	27.3	81.7	> 3.5	MRO-MRV 43	9720	46.8	41.0	5.00	4.0217
		56.0	59.10	23.7	94.6	1.5	MRO-MRV 13	4820	12.7	6.9	5.00
	54.78	25.6	88.1	> 3.5	MRO-MRV 23	4720	17.1	11.3	5.00	0.5290	
		53.60	26.1	85.3	> 3.5	MRO-MRV 33	5740	22.0	16.2	5.00	1.8620
		54.84	25.5	87.5	> 3.5	MRO-MRV 43	9800	46.8	41.0	5.00	4.0943
		63.0	61.31	22.8	98.8	1.7	MRO-MRV 13	4000	12.7	6.9	5.00
	64.97	21.5	104.7	3.0	MRO-MRV 23	4930	17.1	11.3	5.00	0.5050	
		64.33	21.8	102.5	> 3.5	MRO-MRV 33	5740	22.0	16.2	5.00	1.8750
		63.95	21.9	103.1	> 3.5	MRO-MRV 43	10090	46.8	41.0	5.00	3.9699
		71.0	73.77	19	118.1	1.4	MRO-MRV 13	4000	12.7	6.9	5.00
	73.98	18.9	118.8	2.4	MRO-MRV 23	5510	17.1	11.3	5.00	0.4950	
		68.52	20.4	111.5	> 3.5	MRO-MRV 33	5740	22.0	16.2	5.00	1.7840
		68.34	20.5	109.5	> 3.5	MRO-MRV 43	10970	46.8	41.0	5.00	4.0382
		80.0	84.93	16.5	137.5	1.2	MRO-MRV 13	4400	12.7	6.9	5.00
	82.42	17	131.4	2.4	MRO-MRV 23	5100	17.1	11.3	5.00	0.4990	
		80.65	17.4	131.8	> 3.5	MRO-MRV 33	5740	22.0	16.2	5.00	1.7720

RO-RV Riduttori

Selezione Motoriduttore

1400 rpm

P ₁ [kW]	i _n	i _r	n ₂ [rpm]	M ₂ [Nm]	FS	Tipo	F _{r2} [N]	MRO/V [kg]	FRO/V [kg]	J _m × 10 ⁻⁴	J ₁ × 10 ⁻⁴
0.25	80.0	82.52	17	131.6	> 3.5	MRO-MRV 43	10510	46.8	41.0	5.00	3.9279
	90.0	92.26	15.2	150.0	1.2	MRO-MRV 13	4000	12.7	6.9	5.00	0.4450
		91.12	15.4	146.2	2.1	MRO-MRV 23	5100	17.1	11.3	5.00	0.4900
		91.94	15.2	146.4	2.8	MRO-MRV 33	5740	22.0	16.2	5.00	1.8090
		89.69	15.6	139.1	> 3.5	MRO-MRV 43	11880	46.8	41.0	5.00	3.8846
	100.0	103.46	13.5	166.7	1.1	MRO-MRV 13	4000	12.7	6.9	5.00	0.4410
		106.60	13.1	173.1	1.6	MRO-MRV 23	6000	17.1	11.3	5.00	0.4940
		105.20	13.3	168.6	3.4	MRO-MRV 33	5750	22.0	16.2	5.00	1.7580
		102.83	13.6	167.9	> 3.5	MRO-MRV 43	11740	46.8	41.0	5.00	3.9031
	112.0	115.60	12.1	184.5	1.7	MRO-MRV 23	5100	17.1	11.3	5.00	0.4870
		113.11	12.4	181.3	3.2	MRO-MRV 33	5740	22.0	16.2	5.00	1.7370
		115.73	12.1	182.1	> 3.5	MRO-MRV 43	11130	46.8	41.0	5.00	3.8632
	125.0	123.47	11.34	197.0	1.3	MRO-MRV 23	6200	17.1	11.3	5.00	0.4890
		125.46	11.16	200.0	2.4	MRO-MRV 33	5740	22.0	16.2	5.00	1.7510
		121.80	11.5	195.0	> 3.5	MRO-MRV 43	13730	46.8	41.0	5.00	3.9785
	140.0	149.51	9.36	241.1	1.1	MRO-MRV 23	6000	17.1	11.3	5.00	0.4850
		147.54	9.49	237.7	2.4	MRO-MRV 33	5740	22.0	16.2	5.00	1.7300
		144.22	9.71	237.5	> 3.5	MRO-MRV 43	12410	46.8	41.0	5.00	3.8506
	160.0	156.64	8.94	250.0	1.0	MRO-MRV 23	6200	17.1	11.3	5.00	0.4860
		162.17	8.63	262.2	1.6	MRO-MRV 33	5740	22.0	16.2	5.00	1.7940
		164.63	8.5	264.1	2.8	MRO-MRV 43	14400	46.8	41.0	5.00	3.8831
	180.0	170.11	8.23	270.8	1.0	MRO-MRV 23	6200	17.1	11.3	5.00	0.4910
		175.95	7.96	284.9	1.7	MRO-MRV 33	5740	22.0	16.2	5.00	1.7260
		183.27	7.64	294.8	2.7	MRO-MRV 43	14710	46.8	41.0	5.00	3.8768
	200.0	202.59	6.91	325.0	0.8	MRO-MRV 23	6200	17.1	11.3	5.00	0.4840
		208.42	6.72	335.9	1.3	MRO-MRV 33	5740	22.0	16.2	5.00	1.7280
		190.66	7.34	307.4	2.4	MRO-MRV 43	14830	46.8	41.0	5.00	3.8477
	224.0	238.58	5.87	382.4	0.7	MRO-MRV 23	6200	17.1	11.3	5.00	0.4830
		230.89	6.06	367.6	2.0	MRO-MRV 43	15400	46.8	41.0	5.00	3.8405
	250.0	248.56	5.63	398.1	1.1	MRO-MRV 33	5740	22.0	16.2	5.00	1.7250
		257.04	5.45	407.6	1.8	MRO-MRV 43	16500	46.8	41.0	5.00	3.8372
	280.0	274.11	5.107	430.0	1.0	MRO-MRV 33	5740	22.0	16.2	5.00	1.7240
		289.00	4.844	457.3	1.6	MRO-MRV 43	16470	46.8	41.0	5.00	3.8343
	315.0	342.23	4.091	537.5	0.8	MRO-MRV 33	5740	22.0	16.2	5.00	1.7210
0.37	6.3	6.62	211.4	15.7	> 3.5	MRO-MRV 23	3350	17.5	11.3	8.00	1.7940
		6.43	217.6	15.2	> 3.5	MRO-MRV 33	4550	22.4	16.2	8.00	5.3400
		6.60	212.1	15.7	> 3.5	MRO-MRV 43	5570	47.2	41.0	8.00	11.5009
	7.1	7.58	185	17.8	> 3.5	MRO-MRV 13	3310	13.1	6.9	8.00	0.9150
	8.0	8.47	165.3	19.9	> 3.5	MRO-MRV 23	3620	17.5	11.3	8.00	1.3930
		8.25	169.7	19.6	> 3.5	MRO-MRV 33	5540	22.4	16.2	8.00	4.2720
		8.35	167.6	19.8	> 3.5	MRO-MRV 43	6000	47.2	41.0	8.00	9.2271
	9.0	9.14	153	21.9	> 3.5	MRO-MRV 13	3740	13.1	6.9	8.00	0.8480
		8.97	156	21.3	> 3.5	MRO-MRV 23	3710	17.5	11.3	8.00	1.5320
		9.09	154	21.6	> 3.5	MRO-MRV 33	5710	22.4	16.2	8.00	4.6310
		8.72	160.6	20.7	> 3.5	MRO-MRV 43	5980	47.2	41.0	8.00	10.1119
	10.0	9.57	146	22.5	> 3.5	MRO-MRV 13	3600	13.1	6.9	8.00	0.7740
		10.43	134.3	24.5	> 3.5	MRO-MRV 23	3870	17.5	11.3	8.00	1.1640
		10.17	137.7	24.0	> 3.5	MRO-MRV 33	5630	22.4	16.2	8.00	3.6570
		10.43	134.2	24.8	> 3.5	MRO-MRV 43	6430	47.2	41.0	8.00	7.7706
	11.2	11.63	120	27.8	> 3.5	MRO-MRV 13	3570	13.1	6.9	8.00	0.6940

Riduttori RO-RV

1400 rpm
Selezione Motoriduttore

P ₁ [kW]	i _n	i _r	n ₂ [rpm]	M ₂ [Nm]	FS	Tipo	F _{r2} [N]	MRO/V [kg]	FRO/V [kg]	J _m × 10 ⁻⁴	J ₁ × 10 ⁻⁴
0.37	11.2	11.48	122	27.5	> 3.5	MRO-MRV 23	4040	17.5	11.3	8.00	1.2320
		11.65	120.2	27.6	> 3.5	MRO-MRV 33	5730	22.4	16.2	8.00	3.8410
		11.04	126.8	26.1	> 3.5	MRO-MRV 43	6520	47.2	41.0	8.00	8.3593
	12.5	13.03	107.4	30.8	> 3.5	MRO-MRV 23	3920	17.5	11.3	8.00	0.9900
		12.72	110	30.3	> 3.5	MRO-MRV 33	5710	22.4	16.2	8.00	3.1860
		13.29	105.4	31.4	> 3.5	MRO-MRV 43	6950	47.2	41.0	8.00	6.6865
	14.0	14.02	100	32.1	> 3.5	MRO-MRV 13	4040	13.1	6.9	8.00	0.6660
		14.13	99.1	34.0	> 3.5	MRO-MRV 23	4340	17.5	11.3	8.00	1.0580
		13.52	103.5	32.1	> 3.5	MRO-MRV 33	5520	22.4	16.2	8.00	2.5250
	16.0	13.87	100.9	32.9	> 3.5	MRO-MRV 43	7190	47.2	41.0	8.00	5.5410
		15.14	92.5	35.9	> 3.5	MRO-MRV 13	3550	13.1	6.9	8.00	0.6210
		16.68	83.9	38.9	> 3.5	MRO-MRV 23	3620	17.5	11.3	8.00	0.8580
	18.0	16.30	85.9	38.4	> 3.5	MRO-MRV 33	5730	22.4	16.2	8.00	2.8190
		16.21	86.4	38.6	> 3.5	MRO-MRV 43	7420	47.2	41.0	8.00	6.0497
		18.25	76.7	41.6	3.2	MRO-MRV 13	4240	13.1	6.9	8.00	0.6040
	20.0	17.80	78.6	42.0	> 3.5	MRO-MRV 23	4480	17.5	11.3	8.00	0.6830
		17.33	80.8	41.0	> 3.5	MRO-MRV 33	5680	22.4	16.2	8.00	2.2830
		17.55	79.8	41.8	> 3.5	MRO-MRV 43	7740	47.2	41.0	8.00	5.0261
	22.4	19.15	73.1	44.9	> 3.5	MRO-MRV 13	3670	13.1	6.9	8.00	0.5770
		20.55	68.1	47.8	> 3.5	MRO-MRV 23	3720	17.5	11.3	8.00	0.7790
		19.10	73.3	45.1	> 3.5	MRO-MRV 33	5730	22.4	16.2	8.00	2.3640
	25.0	20.22	69.2	48.1	> 3.5	MRO-MRV 43	7980	47.2	41.0	8.00	5.5318
		23.33	60	57.2	3.0	MRO-MRV 13	3820	13.1	6.9	8.00	0.5510
		21.91	63.9	52.6	> 3.5	MRO-MRV 23	4420	17.5	11.3	8.00	0.6310
	28.0	21.67	64.6	50.9	> 3.5	MRO-MRV 33	5740	22.4	16.2	8.00	2.5320
		21.94	63.8	52.1	> 3.5	MRO-MRV 43	8310	47.2	41.0	8.00	4.6963
		24.44	57.3	57.8	2.6	MRO-MRV 13	4150	13.1	6.9	8.00	0.4940
	31.5	26.07	53.7	60.4	> 3.5	MRO-MRV 23	3930	17.5	11.3	8.00	0.7150
		26.73	52.4	62.8	> 3.5	MRO-MRV 33	5730	22.4	16.2	8.00	2.0370
		26.10	53.6	62.2	> 3.5	MRO-MRV 43	8690	47.2	41.0	8.00	5.1123
	35.5	29.18	48	69.1	2.5	MRO-MRV 13	3960	13.1	6.9	8.00	0.5290
		27.39	51.1	63.7	> 3.5	MRO-MRV 23	4180	17.5	11.3	8.00	0.5920
		28.74	48.7	67.3	> 3.5	MRO-MRV 33	5740	22.4	16.2	8.00	1.9940
	40.0	27.92	50.1	66.3	> 3.5	MRO-MRV 43	8990	47.2	41.0	8.00	4.4508
		31.82	44	75.4	2.2	MRO-MRV 13	4120	13.1	6.9	8.00	0.4770
		32.97	42.5	80.2	3.2	MRO-MRV 23	4960	17.5	11.3	8.00	0.5440
	45.0	33.27	42.1	78.3	> 3.5	MRO-MRV 33	5740	22.4	16.2	8.00	2.2750
		32.52	43.1	76.6	> 3.5	MRO-MRV 43	9390	47.2	41.0	8.00	4.8644
		37.95	36.9	89.7	1.8	MRO-MRV 13	4430	13.1	6.9	8.00	0.5120
	50.0	35.06	39.9	81.9	> 3.5	MRO-MRV 23	4220	17.5	11.3	8.00	0.5620
		34.26	40.9	82.9	> 3.5	MRO-MRV 33	5740	22.4	16.2	8.00	1.9540
		34.06	41.1	79.7	> 3.5	MRO-MRV 43	9580	47.2	41.0	8.00	4.3066
	50.0	40.25	34.8	95.2	1.8	MRO-MRV 13	4100	13.1	6.9	8.00	0.4670
		41.21	34	95.6	3.2	MRO-MRV 23	4600	17.5	11.3	8.00	0.5270
		40.23	34.8	95.9	> 3.5	MRO-MRV 33	5740	22.4	16.2	8.00	1.8490
	50.0	47.88	29.2	114.4	1.5	MRO-MRV 13	4300	13.1	6.9	8.00	0.4540
		43.18	32.4	104.3	3.0	MRO-MRV 23	4450	17.5	11.3	8.00	0.5440
		45.54	30.7	105.5	> 3.5	MRO-MRV 33	5740	22.4	16.2	8.00	1.8890
	50.0	42.50	32.9	100.3	> 3.5	MRO-MRV 43	10020	47.2	41.0	8.00	4.1893
		49.02	28.6	115.6	1.5	MRO-MRV 13	4100	13.1	6.9	8.00	0.4610

RO-RV Riduttori

Selezione Motoriduttore

1400 rpm

P ₁ [kW]	i _n	i _r	n ₂ [rpm]	M ₂ [Nm]	FS	Tipo	F _{r2} [N]	MRO/V [kg]	FRO/V [kg]	J _m × 10 ⁻⁴	J ₁ × 10 ⁻⁴
0.37	50.0	52.75	26.5	124.7	2.5	MRO-MRV 23	4680	17.5	11.3	8.00	0.5130
		51.55	27.2	119.2	> 3.5	MRO-MRV 33	5740	22.4	16.2	8.00	1.8120
		51.25	27.3	120.9	> 3.5	MRO-MRV 43	9720	47.2	41.0	8.00	4.0217
	56.0	59.10	23.7	140.0	1.0	MRO-MRV 13	4820	13.1	6.9	8.00	0.4600
		54.78	25.6	130.3	2.4	MRO-MRV 23	4720	17.5	11.3	8.00	0.5290
		53.60	26.1	126.2	> 3.5	MRO-MRV 33	5740	22.4	16.2	8.00	1.8620
	63.0	54.84	25.5	129.5	> 3.5	MRO-MRV 43	9800	47.2	41.0	8.00	4.0943
		61.31	22.8	146.3	1.2	MRO-MRV 13	4000	13.1	6.9	8.00	0.4560
		64.97	21.5	155.0	2.0	MRO-MRV 23	4930	17.5	11.3	8.00	0.5050
	71.0	64.33	21.8	151.7	2.7	MRO-MRV 33	5740	22.4	16.2	8.00	1.8750
		63.95	21.9	152.6	> 3.5	MRO-MRV 43	10090	47.2	41.0	8.00	3.9699
		73.77	19	174.7	1.0	MRO-MRV 13	4000	13.1	6.9	8.00	0.4470
	80.0	73.98	18.9	175.8	1.6	MRO-MRV 23	5510	17.5	11.3	8.00	0.4950
		68.52	20.4	165.1	> 3.5	MRO-MRV 33	5740	22.4	16.2	8.00	1.7840
		68.34	20.5	162.1	> 3.5	MRO-MRV 43	10970	47.2	41.0	8.00	4.0382
	90.0	84.93	16.5	203.5	0.8	MRO-MRV 13	4400	13.1	6.9	8.00	0.4420
		82.42	17	194.4	1.6	MRO-MRV 23	5100	17.5	11.3	8.00	0.4990
		80.65	17.4	195.1	3.0	MRO-MRV 33	5740	22.4	16.2	8.00	1.7720
	100.0	82.52	17	194.7	> 3.5	MRO-MRV 43	10510	47.2	41.0	8.00	3.9279
		92.26	15.2	222.0	0.8	MRO-MRV 13	4000	13.1	6.9	8.00	0.4450
		91.12	15.4	216.4	1.4	MRO-MRV 23	5100	17.5	11.3	8.00	0.4900
	112.0	91.94	15.2	216.7	1.9	MRO-MRV 33	5740	22.4	16.2	8.00	1.8090
		89.69	15.6	205.8	> 3.5	MRO-MRV 43	11880	47.2	41.0	8.00	3.8846
		103.46	13.5	246.7	0.7	MRO-MRV 13	4000	13.1	6.9	8.00	0.4410
	125.0	106.60	13.1	256.2	1.1	MRO-MRV 23	6000	17.5	11.3	8.00	0.4940
		105.20	13.3	249.5	2.3	MRO-MRV 33	5750	22.4	16.2	8.00	1.7580
		102.83	13.6	248.4	> 3.5	MRO-MRV 43	11740	47.2	41.0	8.00	3.9031
	140.0	115.60	12.1	273.1	1.1	MRO-MRV 23	5100	17.5	11.3	8.00	0.4870
		113.11	12.4	268.3	2.2	MRO-MRV 33	5740	22.4	16.2	8.00	1.7370
		115.73	12.1	269.6	> 3.5	MRO-MRV 43	11130	47.2	41.0	8.00	3.8632
	160.0	123.47	11.34	291.5	0.9	MRO-MRV 23	6200	17.5	11.3	8.00	0.4890
		125.46	11.16	296.0	1.6	MRO-MRV 33	5740	22.4	16.2	8.00	1.7510
		121.80	11.5	288.6	2.7	MRO-MRV 43	13730	47.2	41.0	8.00	3.9785
	180.0	149.51	9.36	356.8	0.8	MRO-MRV 23	6000	17.5	11.3	8.00	0.4850
		147.54	9.49	351.8	1.6	MRO-MRV 33	5740	22.4	16.2	8.00	1.7300
		144.22	9.71	351.5	2.7	MRO-MRV 43	12410	47.2	41.0	8.00	3.8506
	200.0	156.64	8.94	370.0	0.7	MRO-MRV 23	6200	17.5	11.3	8.00	0.4860
		162.17	8.63	388.0	1.1	MRO-MRV 33	5740	22.4	16.2	8.00	1.7940
		164.63	8.5	390.8	1.9	MRO-MRV 43	14400	47.2	41.0	8.00	3.8831
	224.0	175.95	7.96	421.6	1.2	MRO-MRV 33	5740	22.4	16.2	8.00	1.7260
		183.27	7.64	436.3	1.8	MRO-MRV 43	14710	47.2	41.0	8.00	3.8768
		208.42	6.72	497.2	0.9	MRO-MRV 33	5740	22.4	16.2	8.00	1.7280
	250.0	190.66	7.34	454.9	1.6	MRO-MRV 43	14830	47.2	41.0	8.00	3.8477
		230.89	6.06	544.1	1.4	MRO-MRV 43	15400	47.2	41.0	8.00	3.8405
		248.56	5.63	589.3	0.7	MRO-MRV 33	5740	22.4	16.2	8.00	1.7250
	280.0	257.04	5.45	603.3	1.2	MRO-MRV 43	16500	47.2	41.0	8.00	3.8372
		289.00	4.844	676.8	1.1	MRO-MRV 43	16470	47.2	41.0	8.00	3.8343
0.55	6.3	6.62	211.4	23.4	> 3.5	MRO-MRV 23	3350	19.8	11.3	14.00	1.7940
		6.43	217.6	22.6	> 3.5	MRO-MRV 33	4550	24.7	16.2	14.00	5.3400
		6.60	212.1	23.3	> 3.5	MRO-MRV 43	5570	49.5	41.0	14.00	11.5009

Riduttori RO-RV

1400 rpm

Selezione Motoriduttore

P ₁ [kW]	i _n	i _r	n ₂ [rpm]	M ₂ [Nm]	FS	Tipo	F _{r2} [N]	MRO/V [kg]	FRO/V [kg]	J _m × 10 ⁻⁴	J ₁ × 10 ⁻⁴
0.55	6.3	6.48	215.9	22.8	> 3.5	MRO-MRV 53	8020	85.1	76.6	14.00	46.0154
		6.43	217.7	22.7	> 3.5	MRO-MRV 63	10740	136.0	127.5	14.00	78.1860
	7.1	7.58	185	26.5	> 3.5	MRO-MRV 13	3310	15.4	6.9	14.00	0.9150
	8.0	8.47	165.3	29.5	> 3.5	MRO-MRV 23	3620	19.8	11.3	14.00	1.3930
		8.25	169.7	29.1	> 3.5	MRO-MRV 33	5540	24.7	16.2	14.00	4.2720
		8.35	167.6	29.4	> 3.5	MRO-MRV 43	6000	49.5	41.0	14.00	9.2271
		8.57	163.3	30.3	> 3.5	MRO-MRV 53	8770	85.1	76.6	14.00	38.9230
		8.50	164.7	30.0	> 3.5	MRO-MRV 63	11850	136.0	127.5	14.00	60.6320
		9.0	153	32.5	> 3.5	MRO-MRV 13	3740	15.4	6.9	14.00	0.8480
		8.97	156	31.7	> 3.5	MRO-MRV 23	3710	19.8	11.3	14.00	1.5320
		9.09	154	32.2	> 3.5	MRO-MRV 33	5710	24.7	16.2	14.00	4.6310
		8.72	160.6	30.8	> 3.5	MRO-MRV 43	5980	49.5	41.0	14.00	10.1119
		10.0	146	33.5	> 3.5	MRO-MRV 13	3600	15.4	6.9	14.00	0.7740
		10.43	134.3	36.4	> 3.5	MRO-MRV 23	3870	19.8	11.3	14.00	1.1640
		10.17	137.7	35.7	> 3.5	MRO-MRV 33	5630	24.7	16.2	14.00	3.6570
		10.43	134.2	36.9	> 3.5	MRO-MRV 43	6430	49.5	41.0	14.00	7.7706
		10.87	128.8	38.4	> 3.5	MRO-MRV 53	9470	85.1	76.6	14.00	34.9392
		10.78	129.9	38.0	> 3.5	MRO-MRV 63	12750	136.0	127.5	14.00	48.5070
		11.2	120	41.3	> 3.5	MRO-MRV 13	3570	15.4	6.9	14.00	0.6940
		11.48	122	40.8	> 3.5	MRO-MRV 23	4040	19.8	11.3	14.00	1.2320
		11.65	120.2	41.0	> 3.5	MRO-MRV 33	5730	24.7	16.2	14.00	3.8410
		11.04	126.8	38.9	> 3.5	MRO-MRV 43	6520	49.5	41.0	14.00	8.3593
		12.5	107.4	45.8	> 3.5	MRO-MRV 23	3920	19.8	11.3	14.00	0.9900
		12.72	110	45.0	> 3.5	MRO-MRV 33	5710	24.7	16.2	14.00	3.1860
		13.29	105.4	46.6	> 3.5	MRO-MRV 43	6950	49.5	41.0	14.00	6.6865
		13.17	106.3	46.4	> 3.5	MRO-MRV 53	10050	85.1	76.6	14.00	32.6124
		13.06	107.2	46.0	> 3.5	MRO-MRV 63	13550	136.0	127.5	14.00	41.5040
		14.0	100	47.7	2.7	MRO-MRV 13	4040	15.4	6.9	14.00	0.6660
		14.13	99.1	50.6	> 3.5	MRO-MRV 23	4340	19.8	11.3	14.00	1.0580
		13.52	103.5	47.7	> 3.5	MRO-MRV 33	5520	24.7	16.2	14.00	2.5250
		13.87	100.9	48.8	> 3.5	MRO-MRV 43	7190	49.5	41.0	14.00	5.5410
		13.63	102.7	48.1	> 3.5	MRO-MRV 53	10340	85.1	76.6	14.00	29.4533
		13.51	103.6	47.7	> 3.5	MRO-MRV 63	14110	136.0	127.5	14.00	30.9420
		16.0	92.5	53.4	3.1	MRO-MRV 13	3550	15.4	6.9	14.00	0.6210
		16.68	83.9	57.8	> 3.5	MRO-MRV 23	3620	19.8	11.3	14.00	0.8580
		16.30	85.9	57.1	> 3.5	MRO-MRV 33	5730	24.7	16.2	14.00	2.8190
		16.21	86.4	57.4	> 3.5	MRO-MRV 43	7420	49.5	41.0	14.00	6.0497
		16.24	86.2	57.3	> 3.5	MRO-MRV 53	10150	85.1	76.6	14.00	30.7169
		16.10	87	56.7	> 3.5	MRO-MRV 63	14450	136.0	127.5	14.00	35.7680
		18.0	76.7	61.9	2.2	MRO-MRV 13	4240	15.4	6.9	14.00	0.6040
		17.80	78.6	62.5	> 3.5	MRO-MRV 23	4480	19.8	11.3	14.00	0.6830
		17.33	80.8	61.0	> 3.5	MRO-MRV 33	5680	24.7	16.2	14.00	2.2830
		17.55	79.8	62.1	> 3.5	MRO-MRV 43	7740	49.5	41.0	14.00	5.0261
		18.02	77.7	63.7	> 3.5	MRO-MRV 53	11300	85.1	76.6	14.00	27.8473
		17.87	78.4	63.1	> 3.5	MRO-MRV 63	15380	136.0	127.5	14.00	26.9670
		20.0	73.1	66.8	2.5	MRO-MRV 13	3670	15.4	6.9	14.00	0.5770
		20.55	68.1	71.0	> 3.5	MRO-MRV 23	3720	19.8	11.3	14.00	0.7790
		19.10	73.3	67.0	> 3.5	MRO-MRV 33	5730	24.7	16.2	14.00	2.3640
		20.22	69.2	71.5	> 3.5	MRO-MRV 43	7980	49.5	41.0	14.00	5.5318
		20.53	68.2	72.1	> 3.5	MRO-MRV 53	8650	85.1	76.6	14.00	29.1621

RO-RV Riduttori

Selezione Motoriduttore

1400 rpm

P ₁ [kW]	i _n	i _r	n ₂ [rpm]	M ₂ [Nm]	FS	Tipo	F _{r2} [N]	MRO/V [kg]	FRO/V [kg]	J _m × 10 ⁻⁴	J ₁ × 10 ⁻⁴
0.55	20.0	20.36	68.8	71.7	> 3.5	MRO-MRV 63	14100	136.0	127.5	14.00	31.0610
	22.4	23.33	60	85.0	2.0	MRO-MRV 13	3820	15.4	6.9	14.00	0.5510
		21.91	63.9	78.2	3.5	MRO-MRV 23	4420	19.8	11.3	14.00	0.6310
		21.67	64.6	75.6	> 3.5	MRO-MRV 33	5740	24.7	16.2	14.00	2.5320
		21.94	63.8	77.4	> 3.5	MRO-MRV 43	8310	49.5	41.0	14.00	4.6963
		22.85	61.3	80.5	> 3.5	MRO-MRV 53	11180	85.1	76.6	14.00	26.9452
		22.66	61.8	79.6	> 3.5	MRO-MRV 63	16460	136.0	127.5	14.00	24.2220
	25.0	24.44	57.3	85.9	1.7	MRO-MRV 13	4150	15.4	6.9	14.00	0.4940
		26.07	53.7	89.7	3.5	MRO-MRV 23	3930	19.8	11.3	14.00	0.7150
		26.73	52.4	93.3	> 3.5	MRO-MRV 33	5730	24.7	16.2	14.00	2.0370
		26.10	53.6	92.4	> 3.5	MRO-MRV 43	8690	49.5	41.0	14.00	5.1123
		26.97	51.9	94.7	> 3.5	MRO-MRV 53	8140	85.1	76.6	14.00	27.9078
		25.48	55	89.7	> 3.5	MRO-MRV 63	16820	136.0	127.5	14.00	25.3770
	28.0	29.18	48	102.7	1.7	MRO-MRV 13	3960	15.4	6.9	14.00	0.5290
		27.39	51.1	94.7	3.3	MRO-MRV 23	4180	19.8	11.3	14.00	0.5920
		28.74	48.7	100.0	> 3.5	MRO-MRV 33	5740	24.7	16.2	14.00	1.9940
		27.92	50.1	98.5	> 3.5	MRO-MRV 43	8990	49.5	41.0	14.00	4.4508
		27.68	50.6	97.5	> 3.5	MRO-MRV 53	9800	85.1	76.6	14.00	26.4183
		27.45	51	96.9	> 3.5	MRO-MRV 63	15700	136.0	127.5	14.00	22.6360
	31.5	31.82	44	112.0	1.5	MRO-MRV 13	4120	15.4	6.9	14.00	0.4770
		32.97	42.5	119.2	2.2	MRO-MRV 23	4960	19.8	11.3	14.00	0.5440
		33.27	42.1	116.3	> 3.5	MRO-MRV 33	5740	24.7	16.2	14.00	2.2750
		32.52	43.1	113.8	> 3.5	MRO-MRV 43	9390	49.5	41.0	14.00	4.8644
		31.69	44.2	111.3	> 3.5	MRO-MRV 53	8230	85.1	76.6	14.00	27.3913
		31.85	44	112.4	> 3.5	MRO-MRV 63	11540	136.0	127.5	14.00	25.5240
	35.5	37.95	36.9	133.3	1.2	MRO-MRV 13	4430	15.4	6.9	14.00	0.5120
		35.06	39.9	121.8	2.5	MRO-MRV 23	4220	19.8	11.3	14.00	0.5620
		34.26	40.9	123.2	> 3.5	MRO-MRV 33	5740	24.7	16.2	14.00	1.9540
		34.06	41.1	118.5	> 3.5	MRO-MRV 43	9580	49.5	41.0	14.00	4.3066
		34.12	41	120.7	> 3.5	MRO-MRV 53	8340	85.1	76.6	14.00	25.9891
		33.83	41.4	119.3	> 3.5	MRO-MRV 63	13920	136.0	127.5	14.00	21.3370
	40.0	40.25	34.8	141.5	1.2	MRO-MRV 13	4100	15.4	6.9	14.00	0.4670
		41.21	34	142.1	2.2	MRO-MRV 23	4600	19.8	11.3	14.00	0.5270
		40.23	34.8	142.5	> 3.5	MRO-MRV 33	5740	24.7	16.2	14.00	1.8490
		41.65	33.6	146.1	> 3.5	MRO-MRV 53	8510	85.1	76.6	14.00	25.4059
		42.78	32.7	150.2	> 3.5	MRO-MRV 63	11390	136.0	127.5	14.00	20.2710
	45.0	47.88	29.2	170.0	1.0	MRO-MRV 13	4300	15.4	6.9	14.00	0.4540
		43.18	32.4	155.0	2.0	MRO-MRV 23	4450	19.8	11.3	14.00	0.5440
		45.54	30.7	156.8	> 3.5	MRO-MRV 33	5740	24.7	16.2	14.00	1.8890
		42.50	32.9	149.0	> 3.5	MRO-MRV 43	10020	49.5	41.0	14.00	4.1893
		43.14	32.5	150.8	> 3.5	MRO-MRV 53	8540	85.1	76.6	14.00	25.6370
		42.95	32.6	151.8	> 3.5	MRO-MRV 63	16450	136.0	127.5	14.00	23.3660
	50.0	49.02	28.6	171.9	1.0	MRO-MRV 13	4100	15.4	6.9	14.00	0.4610
		52.75	26.5	185.3	1.7	MRO-MRV 23	4680	19.8	11.3	14.00	0.5130
		51.55	27.2	177.2	3.3	MRO-MRV 33	5740	24.7	16.2	14.00	1.8120
		51.25	27.3	179.7	> 3.5	MRO-MRV 43	9720	49.5	41.0	14.00	4.0217
		51.34	27.3	181.9	> 3.5	MRO-MRV 53	8720	85.1	76.6	14.00	25.2163
		50.91	27.5	179.4	> 3.5	MRO-MRV 63	9810	136.0	127.5	14.00	18.9780
	56.0	54.78	25.6	193.8	1.6	MRO-MRV 23	4720	19.8	11.3	14.00	0.5290
		53.60	26.1	187.6	3.1	MRO-MRV 33	5740	24.7	16.2	14.00	1.8620

Riduttori RO-RV

1400 rpm

Selezione Motoriduttore

P ₁ [kW]	i _n	i _r	n ₂ [rpm]	M ₂ [Nm]	FS	Tipo	F _{r2} [N]	MRO/V [kg]	FRO/V [kg]	J _m × 10 ⁻⁴	J ₁ × 10 ⁻⁴
0.55	56.0	54.84	25.5	192.5	> 3.5	MRO-MRV 43	9800	49.5	41.0	14.00	4.0943
		56.67	24.7	198.2	> 3.5	MRO-MRV 53	8820	85.1	76.6	14.00	25.3529
		56.19	24.9	198.7	> 3.5	MRO-MRV 63	9970	136.0	127.5	14.00	19.4030
	63.0	64.97	21.5	230.4	1.3	MRO-MRV 23	4930	19.8	11.3	14.00	0.5050
		64.33	21.8	225.5	1.8	MRO-MRV 33	5740	24.7	16.2	14.00	1.8750
		63.95	21.9	226.9	> 3.5	MRO-MRV 43	10090	49.5	41.0	14.00	3.9699
	71.0	64.91	21.6	227.9	> 3.5	MRO-MRV 53	8950	85.1	76.6	14.00	25.0608
		64.36	21.8	228.1	> 3.5	MRO-MRV 63	10200	136.0	127.5	14.00	18.5080
		73.98	18.9	261.3	1.1	MRO-MRV 23	5510	19.8	11.3	14.00	0.4950
	80.0	68.52	20.4	245.4	2.4	MRO-MRV 33	5740	24.7	16.2	14.00	1.7840
		68.34	20.5	241.0	> 3.5	MRO-MRV 43	10970	49.5	41.0	14.00	4.0382
		72.56	19.3	253.6	> 3.5	MRO-MRV 53	10800	85.1	76.6	14.00	25.1812
	90.0	73.41	19.1	259.1	> 3.5	MRO-MRV 63	11430	136.0	127.5	14.00	18.8420
		82.42	17	289.0	1.1	MRO-MRV 23	5100	19.8	11.3	14.00	0.4990
		80.65	17.4	290.0	2.0	MRO-MRV 33	5740	24.7	16.2	14.00	1.7720
	100.0	82.52	17	289.5	3.5	MRO-MRV 43	10510	49.5	41.0	14.00	3.9279
		79.37	17.6	281.6	> 3.5	MRO-MRV 53	16160	85.1	76.6	14.00	25.0122
		84.55	16.6	298.1	> 3.5	MRO-MRV 63	11400	136.0	127.5	14.00	18.1240
	112.0	91.94	15.2	322.1	1.3	MRO-MRV 33	5740	24.7	16.2	14.00	1.8090
		89.69	15.6	305.9	2.9	MRO-MRV 43	11880	49.5	41.0	14.00	3.8846
		91.04	15.4	324.5	> 3.5	MRO-MRV 53	8400	85.1	76.6	14.00	24.8176
	125.0	90.27	15.5	318.6	> 3.5	MRO-MRV 63	11400	136.0	127.5	14.00	17.8220
		105.20	13.3	370.9	1.6	MRO-MRV 33	5750	24.7	16.2	14.00	1.7580
		102.83	13.6	369.3	2.5	MRO-MRV 43	11740	49.5	41.0	14.00	3.9031
	140.0	100.20	14	349.6	> 3.5	MRO-MRV 53	8000	85.1	76.6	14.00	24.8837
		100.70	13.9	355.4	> 3.5	MRO-MRV 63	9800	136.0	127.5	14.00	17.9540
		113.11	12.4	398.8	1.5	MRO-MRV 33	5740	24.7	16.2	14.00	1.7370
	160.0	115.73	12.1	400.7	2.5	MRO-MRV 43	11130	49.5	41.0	14.00	3.8632
		109.18	12.8	389.6	> 3.5	MRO-MRV 53	11200	85.1	76.6	14.00	24.8595
		118.58	11.8	420.0	> 3.5	MRO-MRV 63	9800	136.0	127.5	14.00	17.6270
	180.0	125.46	11.16	440.0	1.1	MRO-MRV 33	5740	24.7	16.2	14.00	1.7510
		121.80	11.5	429.0	1.8	MRO-MRV 43	13730	49.5	41.0	14.00	3.9785
		119.59	11.7	428.0	> 3.5	MRO-MRV 53	7200	85.1	76.6	14.00	24.7730
	200.0	128.72	10.9	456.5	> 3.5	MRO-MRV 63	22060	136.0	127.5	14.00	17.7600
		147.54	9.49	523.0	1.1	MRO-MRV 33	5740	24.7	16.2	14.00	1.7300
		144.22	9.71	522.5	1.8	MRO-MRV 43	12410	49.5	41.0	14.00	3.8506
	224.0	140.53	10	492.3	> 3.5	MRO-MRV 53	7200	85.1	76.6	14.00	24.7467
		141.23	9.9	499.5	> 3.5	MRO-MRV 63	9800	136.0	127.5	14.00	17.5400
		164.63	8.5	581.0	1.3	MRO-MRV 43	14400	49.5	41.0	14.00	3.8831
	250.0	153.12	9.14	525.6	3.3	MRO-MRV 53	10100	85.1	76.6	14.00	24.7344
		154.91	9.04	543.5	> 3.5	MRO-MRV 63	9800	136.0	127.5	14.00	17.5010
		183.27	7.64	648.5	1.2	MRO-MRV 43	14710	49.5	41.0	14.00	3.8768
	280.0	185.17	7.56	650.8	2.2	MRO-MRV 53	17640	85.1	76.6	14.00	24.7124
		190.49	7.35	682.5	> 3.5	MRO-MRV 63	19400	136.0	127.5	14.00	17.4310
		190.66	7.34	676.2	1.1	MRO-MRV 43	14830	49.5	41.0	14.00	3.8477
	280.0	208.05	6.73	731.5	1.8	MRO-MRV 53	19060	85.1	76.6	14.00	24.7277
		224.24	6.24	795.1	1.7	MRO-MRV 53	19100	85.1	76.6	14.00	24.7733
		220.89	6.34	779.2	3.3	MRO-MRV 63	22500	136.0	127.5	14.00	17.4800
	280.0	251.60	5.56	892.1	1.5	MRO-MRV 53	19100	85.1	76.6	14.00	24.7078
		271.62	5.15	935.0	2.7	MRO-MRV 63	22500	136.0	127.5	14.00	17.4170

RO-RV Riduttori

Selezione Motoriduttore

1400 rpm

P ₁ [kW]	i _n	i _r	n ₂ [rpm]	M ₂ [Nm]	FS	Tipo	F _{r2} [N]	MRO/V [kg]	FRO/V [kg]	J _m × 10 ⁻⁴	J ₁ × 10 ⁻⁴
0.55	315.0	314.50	4.45	1108.3	1.2	MRO-MRV 53	19100	85.1	76.6	14.00	24.6906
		305.43	4.58	1078.8	2.4	MRO-MRV 63	22500	136.0	127.5	14.00	17.3880
0.75	6.3	6.62	211.4	31.9	> 3.5	MRO-MRV 23	3350	21.1	11.3	17.00	1.7940
		6.43	217.6	30.9	> 3.5	MRO-MRV 33	4550	26.0	16.2	17.00	5.3400
		6.60	212.1	31.8	> 3.5	MRO-MRV 43	5570	50.8	41.0	17.00	11.5009
		6.48	215.9	31.1	> 3.5	MRO-MRV 53	8020	86.4	76.6	17.00	46.0154
		6.43	217.7	30.9	> 3.5	MRO-MRV 63	10740	137.3	127.5	17.00	78.1860
	7.1	7.58	185	36.1	> 3.5	MRO-MRV 13	3310	16.7	6.9	17.00	0.9150
		8.47	165.3	40.2	> 3.5	MRO-MRV 23	3620	21.1	11.3	17.00	1.3930
	8.0	8.25	169.7	39.7	> 3.5	MRO-MRV 33	5540	26.0	16.2	17.00	4.2720
		8.35	167.6	40.2	> 3.5	MRO-MRV 43	6000	50.8	41.0	17.00	9.2271
		8.57	163.3	41.3	> 3.5	MRO-MRV 53	8770	86.4	76.6	17.00	38.9230
		8.50	164.7	40.9	> 3.5	MRO-MRV 63	11850	137.3	127.5	17.00	60.6320
	9.0	9.14	153	44.3	2.9	MRO-MRV 13	3740	16.7	6.9	17.00	0.8480
		8.97	156	43.3	> 3.5	MRO-MRV 23	3710	21.1	11.3	17.00	1.5320
		9.09	154	43.8	> 3.5	MRO-MRV 33	5710	26.0	16.2	17.00	4.6310
		8.72	160.6	42.0	> 3.5	MRO-MRV 43	5980	50.8	41.0	17.00	10.1119
	10.0	9.57	146	45.7	3.1	MRO-MRV 13	3600	16.7	6.9	17.00	0.7740
		10.43	134.3	49.7	> 3.5	MRO-MRV 23	3870	21.1	11.3	17.00	1.1640
		10.17	137.7	48.7	> 3.5	MRO-MRV 33	5630	26.0	16.2	17.00	3.6570
		10.43	134.2	50.3	> 3.5	MRO-MRV 43	6430	50.8	41.0	17.00	7.7706
		10.87	128.8	52.4	> 3.5	MRO-MRV 53	9470	86.4	76.6	17.00	34.9392
	11.2	10.78	129.9	51.8	> 3.5	MRO-MRV 63	12750	137.3	127.5	17.00	48.5070
		11.63	120	56.3	2.7	MRO-MRV 13	3570	16.7	6.9	17.00	0.6940
		11.48	122	55.6	> 3.5	MRO-MRV 23	4040	21.1	11.3	17.00	1.2320
		11.65	120.2	55.9	> 3.5	MRO-MRV 33	5730	26.0	16.2	17.00	3.8410
		11.04	126.8	53.0	> 3.5	MRO-MRV 43	6520	50.8	41.0	17.00	8.3593
	12.5	13.03	107.4	62.5	> 3.5	MRO-MRV 23	3920	21.1	11.3	17.00	0.9900
		12.72	110	61.4	> 3.5	MRO-MRV 33	5710	26.0	16.2	17.00	3.1860
		13.29	105.4	63.6	> 3.5	MRO-MRV 43	6950	50.8	41.0	17.00	6.6865
		13.17	106.3	63.3	> 3.5	MRO-MRV 53	10050	86.4	76.6	17.00	32.6124
	14.0	13.06	107.2	62.7	> 3.5	MRO-MRV 63	13550	137.3	127.5	17.00	41.5040
		14.02	100	65.0	2.0	MRO-MRV 13	4040	16.7	6.9	17.00	0.6660
		14.13	99.1	69.0	3.3	MRO-MRV 23	4340	21.1	11.3	17.00	1.0580
		13.52	103.5	65.1	> 3.5	MRO-MRV 33	5520	26.0	16.2	17.00	2.5250
		13.87	100.9	66.6	> 3.5	MRO-MRV 43	7190	50.8	41.0	17.00	5.5410
	16.0	13.63	102.7	65.6	> 3.5	MRO-MRV 53	10340	86.4	76.6	17.00	29.4533
		13.51	103.6	65.1	> 3.5	MRO-MRV 63	14110	137.3	127.5	17.00	30.9420
		15.14	92.5	72.8	2.3	MRO-MRV 13	3550	16.7	6.9	17.00	0.6210
		16.68	83.9	78.9	> 3.5	MRO-MRV 23	3620	21.1	11.3	17.00	0.8580
		16.30	85.9	77.9	> 3.5	MRO-MRV 33	5730	26.0	16.2	17.00	2.8190
		16.21	86.4	78.2	> 3.5	MRO-MRV 43	7420	50.8	41.0	17.00	6.0497
		16.24	86.2	78.2	> 3.5	MRO-MRV 53	10150	86.4	76.6	17.00	30.7169
		16.10	87	77.3	> 3.5	MRO-MRV 63	14450	137.3	127.5	17.00	35.7680
	18.0	18.25	76.7	84.4	1.6	MRO-MRV 13	4240	16.7	6.9	17.00	0.6040
		17.80	78.6	85.2	2.9	MRO-MRV 23	4480	21.1	11.3	17.00	0.6830
		17.33	80.8	83.2	> 3.5	MRO-MRV 33	5680	26.0	16.2	17.00	2.2830
		17.55	79.8	84.7	> 3.5	MRO-MRV 43	7740	50.8	41.0	17.00	5.0261
		18.02	77.7	86.8	> 3.5	MRO-MRV 53	11300	86.4	76.6	17.00	27.8473
		17.87	78.4	86.0	> 3.5	MRO-MRV 63	15380	137.3	127.5	17.00	26.9670

Riduttori RO-RV

1400 rpm

Selezione Motoriduttore

P ₁ [kW]	i _n	i _r	n ₂ [rpm]	M ₂ [Nm]	FS	Tipo	F _{r2} [N]	MRO/V [kg]	FRO/V [kg]	J _m × 10 ⁻⁴	J ₁ × 10 ⁻⁴
0.75	20.0	19.15	73.1	91.1	1.9	MRO-MRV 13	3670	16.7	6.9	17.00	0.5770
		20.55	68.1	96.9	3.2	MRO-MRV 23	3720	21.1	11.3	17.00	0.7790
		19.10	73.3	91.4	> 3.5	MRO-MRV 33	5730	26.0	16.2	17.00	2.3640
		20.22	69.2	97.5	> 3.5	MRO-MRV 43	7980	50.8	41.0	17.00	5.5318
		20.53	68.2	98.4	> 3.5	MRO-MRV 53	8650	86.4	76.6	17.00	29.1621
		20.36	68.8	97.8	> 3.5	MRO-MRV 63	14100	137.3	127.5	17.00	31.0610
	22.4	23.33	60	115.9	1.5	MRO-MRV 13	3820	16.7	6.9	17.00	0.5510
		21.91	63.9	106.6	2.5	MRO-MRV 23	4420	21.1	11.3	17.00	0.6310
		21.67	64.6	103.1	> 3.5	MRO-MRV 33	5740	26.0	16.2	17.00	2.5320
		21.94	63.8	105.6	> 3.5	MRO-MRV 43	8310	50.8	41.0	17.00	4.6963
		22.85	61.3	109.8	> 3.5	MRO-MRV 53	11180	86.4	76.6	17.00	26.9452
		22.66	61.8	108.6	> 3.5	MRO-MRV 63	16460	137.3	127.5	17.00	24.2220
	25.0	24.44	57.3	117.2	1.3	MRO-MRV 13	4150	16.7	6.9	17.00	0.4940
		26.07	53.7	122.4	2.5	MRO-MRV 23	3930	21.1	11.3	17.00	0.7150
		26.73	52.4	127.3	> 3.5	MRO-MRV 33	5730	26.0	16.2	17.00	2.0370
		26.10	53.6	126.0	> 3.5	MRO-MRV 43	8690	50.8	41.0	17.00	5.1123
		26.97	51.9	129.1	> 3.5	MRO-MRV 53	8140	86.4	76.6	17.00	27.9078
		25.48	55	122.3	> 3.5	MRO-MRV 63	16820	137.3	127.5	17.00	25.3770
	28.0	29.18	48	140.1	1.2	MRO-MRV 13	3960	16.7	6.9	17.00	0.5290
		27.39	51.1	129.2	2.4	MRO-MRV 23	4180	21.1	11.3	17.00	0.5920
		28.74	48.7	136.4	2.9	MRO-MRV 33	5740	26.0	16.2	17.00	1.9940
		27.92	50.1	134.3	> 3.5	MRO-MRV 43	8990	50.8	41.0	17.00	4.4508
		27.68	50.6	133.0	> 3.5	MRO-MRV 53	9800	86.4	76.6	17.00	26.4183
		27.45	51	132.2	> 3.5	MRO-MRV 63	15700	137.3	127.5	17.00	22.6360
	31.5	31.82	44	152.8	1.1	MRO-MRV 13	4120	16.7	6.9	17.00	0.4770
		32.97	42.5	162.5	1.6	MRO-MRV 23	4960	21.1	11.3	17.00	0.5440
		33.27	42.1	158.7	3.5	MRO-MRV 33	5740	26.0	16.2	17.00	2.2750
		32.52	43.1	155.2	> 3.5	MRO-MRV 43	9390	50.8	41.0	17.00	4.8644
		31.69	44.2	151.8	> 3.5	MRO-MRV 53	8230	86.4	76.6	17.00	27.3913
		31.85	44	153.2	> 3.5	MRO-MRV 63	11540	137.3	127.5	17.00	25.5240
	35.5	37.95	36.9	181.8	0.9	MRO-MRV 13	4430	16.7	6.9	17.00	0.5120
		35.06	39.9	166.1	1.9	MRO-MRV 23	4220	21.1	11.3	17.00	0.5620
		34.26	40.9	168.0	3.3	MRO-MRV 33	5740	26.0	16.2	17.00	1.9540
		34.06	41.1	161.5	> 3.5	MRO-MRV 43	9580	50.8	41.0	17.00	4.3066
		34.12	41	164.6	> 3.5	MRO-MRV 53	8340	86.4	76.6	17.00	25.9891
		33.83	41.4	162.7	> 3.5	MRO-MRV 63	13920	137.3	127.5	17.00	21.3370
	40.0	40.25	34.8	193.0	0.9	MRO-MRV 13	4100	16.7	6.9	17.00	0.4670
		41.21	34	193.8	1.6	MRO-MRV 23	4600	21.1	11.3	17.00	0.5270
		40.23	34.8	194.3	2.9	MRO-MRV 33	5740	26.0	16.2	17.00	1.8490
		41.65	33.6	199.2	> 3.5	MRO-MRV 53	8510	86.4	76.6	17.00	25.4059
		42.78	32.7	204.9	> 3.5	MRO-MRV 63	11390	137.3	127.5	17.00	20.2710
		47.88	29.2	231.8	0.7	MRO-MRV 13	4300	16.7	6.9	17.00	0.4540
	45.0	43.18	32.4	211.4	1.5	MRO-MRV 23	4450	21.1	11.3	17.00	0.5440
		45.54	30.7	213.8	2.7	MRO-MRV 33	5740	26.0	16.2	17.00	1.8890
		42.50	32.9	203.2	> 3.5	MRO-MRV 43	10020	50.8	41.0	17.00	4.1893
		43.14	32.5	205.6	> 3.5	MRO-MRV 53	8540	86.4	76.6	17.00	25.6370
		42.95	32.6	207.1	> 3.5	MRO-MRV 63	16450	137.3	127.5	17.00	23.3660
		49.02	28.6	234.4	0.7	MRO-MRV 13	4100	16.7	6.9	17.00	0.4610
	50.0	52.75	26.5	252.7	1.2	MRO-MRV 23	4680	21.1	11.3	17.00	0.5130
		51.55	27.2	241.7	2.4	MRO-MRV 33	5740	26.0	16.2	17.00	1.8120

RO-RV Riduttori

Selezione Motoriduttore

1400 rpm

P ₁ [kW]	i _n	i _r	n ₂ [rpm]	M ₂ [Nm]	FS	Tipo	F _{r2} [N]	MRO/V [kg]	FRO/V [kg]	J _m × 10 ⁻⁴	J ₁ × 10 ⁻⁴
0.75	50.0	51.25	27.3	245.0	> 3.5	MRO-MRV 43	9720	50.8	41.0	17.00	4.0217
		51.34	27.3	248.1	> 3.5	MRO-MRV 53	8720	86.4	76.6	17.00	25.2163
		50.91	27.5	244.7	> 3.5	MRO-MRV 63	9810	137.3	127.5	17.00	18.9780
	56.0	54.78	25.6	264.2	1.2	MRO-MRV 23	4720	21.1	11.3	17.00	0.5290
		53.60	26.1	255.9	2.3	MRO-MRV 33	5740	26.0	16.2	17.00	1.8620
		54.84	25.5	262.5	> 3.5	MRO-MRV 43	9800	50.8	41.0	17.00	4.0943
	63.0	56.67	24.7	270.3	> 3.5	MRO-MRV 53	8820	86.4	76.6	17.00	25.3529
		56.19	24.9	271.0	> 3.5	MRO-MRV 63	9970	137.3	127.5	17.00	19.4030
		64.97	21.5	314.2	1.0	MRO-MRV 23	4930	21.1	11.3	17.00	0.5050
	63.0	64.33	21.8	307.5	1.3	MRO-MRV 33	5740	26.0	16.2	17.00	1.8750
		63.95	21.9	309.4	3.2	MRO-MRV 43	10090	50.8	41.0	17.00	3.9699
		64.91	21.6	310.7	> 3.5	MRO-MRV 53	8950	86.4	76.6	17.00	25.0608
	71.0	64.36	21.8	311.1	> 3.5	MRO-MRV 63	10200	137.3	127.5	17.00	18.5080
		73.98	18.9	356.3	0.8	MRO-MRV 23	5510	21.1	11.3	17.00	0.4950
		68.52	20.4	334.6	1.7	MRO-MRV 33	5740	26.0	16.2	17.00	1.7840
	80.0	68.34	20.5	328.6	2.8	MRO-MRV 43	10970	50.8	41.0	17.00	4.0382
		72.56	19.3	345.8	> 3.5	MRO-MRV 53	10800	86.4	76.6	17.00	25.1812
		73.41	19.1	353.3	> 3.5	MRO-MRV 63	11430	137.3	127.5	17.00	18.8420
	80.0	82.42	17	394.1	0.8	MRO-MRV 23	5100	21.1	11.3	17.00	0.4990
		80.65	17.4	395.5	1.5	MRO-MRV 33	5740	26.0	16.2	17.00	1.7720
		82.52	17	394.7	2.5	MRO-MRV 43	10510	50.8	41.0	17.00	3.9279
	90.0	79.37	17.6	384.0	3.3	MRO-MRV 53	16160	86.4	76.6	17.00	25.0122
		84.55	16.6	406.5	> 3.5	MRO-MRV 63	11400	137.3	127.5	17.00	18.1240
		91.94	15.2	439.3	0.9	MRO-MRV 33	5740	26.0	16.2	17.00	1.8090
	90.0	89.69	15.6	417.2	2.1	MRO-MRV 43	11880	50.8	41.0	17.00	3.8846
		91.04	15.4	442.5	> 3.5	MRO-MRV 53	8400	86.4	76.6	17.00	24.8176
		90.27	15.5	434.5	> 3.5	MRO-MRV 63	11400	137.3	127.5	17.00	17.8220
	100.0	105.20	13.3	505.8	1.1	MRO-MRV 33	5750	26.0	16.2	17.00	1.7580
		102.83	13.6	503.6	1.9	MRO-MRV 43	11740	50.8	41.0	17.00	3.9031
		100.20	14	476.8	> 3.5	MRO-MRV 53	8000	86.4	76.6	17.00	24.8837
	112.0	100.70	13.9	484.6	> 3.5	MRO-MRV 63	9800	137.3	127.5	17.00	17.9540
		113.11	12.4	543.8	1.1	MRO-MRV 33	5740	26.0	16.2	17.00	1.7370
		115.73	12.1	546.4	1.9	MRO-MRV 43	11130	50.8	41.0	17.00	3.8632
	125.0	109.18	12.8	531.3	3.2	MRO-MRV 53	11200	86.4	76.6	17.00	24.8595
		118.58	11.8	572.7	> 3.5	MRO-MRV 63	9800	137.3	127.5	17.00	17.6270
		125.46	11.16	600.0	0.8	MRO-MRV 33	5740	26.0	16.2	17.00	1.7510
	140.0	121.80	11.5	585.0	1.3	MRO-MRV 43	13730	50.8	41.0	17.00	3.9785
		119.59	11.7	583.7	3.1	MRO-MRV 53	7200	86.4	76.6	17.00	24.7730
		128.72	10.9	622.5	> 3.5	MRO-MRV 63	22060	137.3	127.5	17.00	17.7600
	160.0	147.54	9.49	713.1	0.8	MRO-MRV 33	5740	26.0	16.2	17.00	1.7300
		144.22	9.71	712.5	1.3	MRO-MRV 43	12410	50.8	41.0	17.00	3.8506
		140.53	10	671.3	2.7	MRO-MRV 53	7200	86.4	76.6	17.00	24.7467
	180.0	141.23	9.9	681.1	> 3.5	MRO-MRV 63	9800	137.3	127.5	17.00	17.5400
		164.63	8.5	792.3	0.9	MRO-MRV 43	14400	50.8	41.0	17.00	3.8831
		153.12	9.14	716.7	2.4	MRO-MRV 53	10100	86.4	76.6	17.00	24.7344
	200.0	154.91	9.04	741.2	> 3.5	MRO-MRV 63	9800	137.3	127.5	17.00	17.5010
		183.27	7.64	884.3	0.9	MRO-MRV 43	14710	50.8	41.0	17.00	3.8768
		185.17	7.56	887.5	1.6	MRO-MRV 53	17640	86.4	76.6	17.00	24.7124
	200.0	190.49	7.35	930.7	2.9	MRO-MRV 63	19400	137.3	127.5	17.00	17.4310
		190.66	7.34	922.1	0.8	MRO-MRV 43	14830	50.8	41.0	17.00	3.8477

Riduttori RO-RV

1400 rpm

Selezione Motoriduttore

P ₁ [kW]	i _n	i _r	n ₂ [rpm]	M ₂ [Nm]	FS	Tipo	F _{r2} [N]	MRO/V [kg]	FRO/V [kg]	J _m × 10 ⁻⁴	J ₁ × 10 ⁻⁴
0.75	200.0	208.05	6.73	997.5	1.3	MRO-MRV 53	19060	86.4	76.6	17.00	24.7277
	224.0	224.24	6.24	1084.2	1.2	MRO-MRV 53	19100	86.4	76.6	17.00	24.7733
		220.89	6.34	1062.5	2.4	MRO-MRV 63	22500	137.3	127.5	17.00	17.4800
	250.0	251.60	5.56	1216.5	1.1	MRO-MRV 53	19100	86.4	76.6	17.00	24.7078
	280.0	271.62	5.15	1275.0	2.0	MRO-MRV 63	22500	137.3	127.5	17.00	17.4170
	315.0	314.50	4.45	1511.4	0.9	MRO-MRV 53	19100	86.4	76.6	17.00	24.6906
	315.0	305.43	4.58	1471.2	1.7	MRO-MRV 63	22500	137.3	127.5	17.00	17.3880
1.1	6.3	6.62	211.4	46.8	> 3.5	MRO-MRV 23	3350	23.3	11.3	33.00	1.7940
		6.43	217.6	45.3	> 3.5	MRO-MRV 33	4550	28.2	16.2	33.00	5.3400
		6.60	212.1	46.6	> 3.5	MRO-MRV 43	5570	53.0	41.0	33.00	11.5009
		6.48	215.9	45.7	> 3.5	MRO-MRV 53	8020	88.6	76.6	33.00	46.0154
		6.43	217.7	45.3	> 3.5	MRO-MRV 63	10740	139.5	127.5	33.00	78.1860
	7.1	7.58	185	53.0	2.5	MRO-MRV 13	3310	18.9	6.9	33.00	0.9150
	8.0	8.47	165.3	59.0	> 3.5	MRO-MRV 23	3620	23.3	11.3	33.00	1.3930
		8.25	169.7	58.2	> 3.5	MRO-MRV 33	5540	28.2	16.2	33.00	4.2720
		8.35	167.6	58.9	> 3.5	MRO-MRV 43	6000	53.0	41.0	33.00	9.2271
		8.57	163.3	60.5	> 3.5	MRO-MRV 53	8770	88.6	76.6	33.00	38.9230
		8.50	164.7	60.0	> 3.5	MRO-MRV 63	11850	139.5	127.5	33.00	60.6320
	9.0	9.14	153	65.0	2.0	MRO-MRV 13	3740	18.9	6.9	33.00	0.8480
		8.97	156	63.5	> 3.5	MRO-MRV 23	3710	23.3	11.3	33.00	1.5320
		9.09	154	64.3	> 3.5	MRO-MRV 33	5710	28.2	16.2	33.00	4.6310
		8.72	160.6	61.6	> 3.5	MRO-MRV 43	5980	53.0	41.0	33.00	10.1119
	10.0	9.57	146	67.0	2.1	MRO-MRV 13	3600	18.9	6.9	33.00	0.7740
		10.43	134.3	72.8	3.4	MRO-MRV 23	3870	23.3	11.3	33.00	1.1640
		10.17	137.7	71.4	> 3.5	MRO-MRV 33	5630	28.2	16.2	33.00	3.6570
		10.43	134.2	73.7	> 3.5	MRO-MRV 43	6430	53.0	41.0	33.00	7.7706
		10.87	128.8	76.9	> 3.5	MRO-MRV 53	9470	88.6	76.6	33.00	34.9392
		10.78	129.9	76.0	> 3.5	MRO-MRV 63	12750	139.5	127.5	33.00	48.5070
	11.2	11.63	120	82.5	1.8	MRO-MRV 13	3570	18.9	6.9	33.00	0.6940
		11.48	122	81.6	2.8	MRO-MRV 23	4040	23.3	11.3	33.00	1.2320
		11.65	120.2	82.0	> 3.5	MRO-MRV 33	5730	28.2	16.2	33.00	3.8410
		11.04	126.8	77.7	> 3.5	MRO-MRV 43	6520	53.0	41.0	33.00	8.3593
	12.5	13.03	107.4	91.7	3.0	MRO-MRV 23	3920	23.3	11.3	33.00	0.9900
		12.72	110	90.0	> 3.5	MRO-MRV 33	5710	28.2	16.2	33.00	3.1860
		13.29	105.4	93.3	> 3.5	MRO-MRV 43	6950	53.0	41.0	33.00	6.6865
		13.17	106.3	92.8	> 3.5	MRO-MRV 53	10050	88.6	76.6	33.00	32.6124
		13.06	107.2	92.0	> 3.5	MRO-MRV 63	13550	139.5	127.5	33.00	41.5040
	14.0	14.02	100	95.3	1.4	MRO-MRV 13	4040	18.9	6.9	33.00	0.6660
		14.13	99.1	101.2	2.3	MRO-MRV 23	4340	23.3	11.3	33.00	1.0580
		13.52	103.5	95.5	> 3.5	MRO-MRV 33	5520	28.2	16.2	33.00	2.5250
		13.87	100.9	97.7	> 3.5	MRO-MRV 43	7190	53.0	41.0	33.00	5.5410
		13.63	102.7	96.3	> 3.5	MRO-MRV 53	10340	88.6	76.6	33.00	29.4533
		13.51	103.6	95.4	> 3.5	MRO-MRV 63	14110	139.5	127.5	33.00	30.9420
	16.0	15.14	92.5	106.8	1.5	MRO-MRV 13	3550	18.9	6.9	33.00	0.6210
		16.68	83.9	115.7	2.6	MRO-MRV 23	3620	23.3	11.3	33.00	0.8580
		16.30	85.9	114.2	> 3.5	MRO-MRV 33	5730	28.2	16.2	33.00	2.8190
		16.21	86.4	114.7	> 3.5	MRO-MRV 43	7420	53.0	41.0	33.00	6.0497
		16.24	86.2	114.7	> 3.5	MRO-MRV 53	10150	88.6	76.6	33.00	30.7169
		16.10	87	113.4	> 3.5	MRO-MRV 63	14450	139.5	127.5	33.00	35.7680
	18.0	18.25	76.7	123.8	1.1	MRO-MRV 13	4240	18.9	6.9	33.00	0.6040

RO-RV Riduttori

Selezione Motoriduttore

1400 rpm

P ₁ [kW]	i _n	i _r	n ₂ [rpm]	M ₂ [Nm]	FS	Tipo	F _{r2} [N]	MRO/V [kg]	FRO/V [kg]	J _m × 10 ⁻⁴	J ₁ × 10 ⁻⁴
1.1	18.0	17.80	78.6	125.0	2.0	MRO-MRV 23	4480	23.3	11.3	33.00	0.6830
		17.33	80.8	122.0	> 3.5	MRO-MRV 33	5680	28.2	16.2	33.00	2.2830
		17.55	79.8	124.3	> 3.5	MRO-MRV 43	7740	53.0	41.0	33.00	5.0261
		18.02	77.7	127.3	> 3.5	MRO-MRV 53	11300	88.6	76.6	33.00	27.8473
		17.87	78.4	126.2	> 3.5	MRO-MRV 63	15380	139.5	127.5	33.00	26.9670
	20.0	19.15	73.1	133.6	1.3	MRO-MRV 13	3670	18.9	6.9	33.00	0.5770
		20.55	68.1	142.1	2.2	MRO-MRV 23	3720	23.3	11.3	33.00	0.7790
		19.10	73.3	134.1	2.9	MRO-MRV 33	5730	28.2	16.2	33.00	2.3640
		20.22	69.2	143.0	> 3.5	MRO-MRV 43	7980	53.0	41.0	33.00	5.5318
		20.53	68.2	144.3	> 3.5	MRO-MRV 53	8650	88.6	76.6	33.00	29.1621
	22.4	20.36	68.8	143.5	> 3.5	MRO-MRV 63	14100	139.5	127.5	33.00	31.0610
		23.33	60	170.0	1.0	MRO-MRV 13	3820	18.9	6.9	33.00	0.5510
		21.91	63.9	156.3	1.7	MRO-MRV 23	4420	23.3	11.3	33.00	0.6310
		21.67	64.6	151.3	> 3.5	MRO-MRV 33	5740	28.2	16.2	33.00	2.5320
		21.94	63.8	154.9	> 3.5	MRO-MRV 43	8310	53.0	41.0	33.00	4.6963
	25.0	22.85	61.3	161.0	> 3.5	MRO-MRV 53	11180	88.6	76.6	33.00	26.9452
		22.66	61.8	159.3	> 3.5	MRO-MRV 63	16460	139.5	127.5	33.00	24.2220
		26.07	53.7	179.5	1.7	MRO-MRV 23	3930	23.3	11.3	33.00	0.7150
		26.73	52.4	186.7	3.0	MRO-MRV 33	5730	28.2	16.2	33.00	2.0370
		26.10	53.6	184.8	> 3.5	MRO-MRV 43	8690	53.0	41.0	33.00	5.1123
	28.0	26.97	51.9	189.4	> 3.5	MRO-MRV 53	8140	88.6	76.6	33.00	27.9078
		25.48	55	179.4	> 3.5	MRO-MRV 63	16820	139.5	127.5	33.00	25.3770
		27.39	51.1	189.4	1.6	MRO-MRV 23	4180	23.3	11.3	33.00	0.5920
		28.74	48.7	200.0	2.0	MRO-MRV 33	5740	28.2	16.2	33.00	1.9940
		27.92	50.1	197.0	> 3.5	MRO-MRV 43	8990	53.0	41.0	33.00	4.4508
	31.5	27.68	50.6	195.0	> 3.5	MRO-MRV 53	9800	88.6	76.6	33.00	26.4183
		27.45	51	193.9	> 3.5	MRO-MRV 63	15700	139.5	127.5	33.00	22.6360
		32.97	42.5	238.3	1.1	MRO-MRV 23	4960	23.3	11.3	33.00	0.5440
		33.27	42.1	232.7	2.4	MRO-MRV 33	5740	28.2	16.2	33.00	2.2750
		32.52	43.1	227.7	> 3.5	MRO-MRV 43	9390	53.0	41.0	33.00	4.8644
	35.5	31.69	44.2	222.7	> 3.5	MRO-MRV 53	8230	88.6	76.6	33.00	27.3913
		31.85	44	224.7	> 3.5	MRO-MRV 63	11540	139.5	127.5	33.00	25.5240
		35.06	39.9	243.6	1.3	MRO-MRV 23	4220	23.3	11.3	33.00	0.5620
		34.26	40.9	246.4	2.3	MRO-MRV 33	5740	28.2	16.2	33.00	1.9540
		34.06	41.1	236.9	> 3.5	MRO-MRV 43	9580	53.0	41.0	33.00	4.3066
	40.0	34.12	41	241.4	> 3.5	MRO-MRV 53	8340	88.6	76.6	33.00	25.9891
		33.83	41.4	238.6	> 3.5	MRO-MRV 63	13920	139.5	127.5	33.00	21.3370
		41.21	34	284.2	1.1	MRO-MRV 23	4600	23.3	11.3	33.00	0.5270
		40.23	34.8	285.0	2.0	MRO-MRV 33	5740	28.2	16.2	33.00	1.8490
		41.65	33.6	292.2	> 3.5	MRO-MRV 53	8510	88.6	76.6	33.00	25.4059
	45.0	42.78	32.7	300.5	> 3.5	MRO-MRV 63	11390	139.5	127.5	33.00	20.2710
		43.18	32.4	310.0	1.0	MRO-MRV 23	4450	23.3	11.3	33.00	0.5440
		45.54	30.7	313.5	1.8	MRO-MRV 33	5740	28.2	16.2	33.00	1.8890
		42.50	32.9	298.1	2.8	MRO-MRV 43	10020	53.0	41.0	33.00	4.1893
		43.14	32.5	301.6	> 3.5	MRO-MRV 53	8540	88.6	76.6	33.00	25.6370
	50.0	42.95	32.6	303.7	> 3.5	MRO-MRV 63	16450	139.5	127.5	33.00	23.3660
		51.55	27.2	354.4	1.6	MRO-MRV 33	5740	28.2	16.2	33.00	1.8120
		51.25	27.3	359.3	2.7	MRO-MRV 43	9720	53.0	41.0	33.00	4.0217
		51.34	27.3	363.8	> 3.5	MRO-MRV 53	8720	88.6	76.6	33.00	25.2163
		50.91	27.5	358.8	> 3.5	MRO-MRV 63	9810	139.5	127.5	33.00	18.9780

Riduttori RO-RV

1400 rpm

Selezione Motoriduttore

P ₁ [kW]	i _n	i _r	n ₂ [rpm]	M ₂ [Nm]	FS	Tipo	F _{r2} [N]	MRO/V [kg]	FRO/V [kg]	J _m × 10 ⁻⁴	J ₁ × 10 ⁻⁴
1.1	56.0	53.60	26.1	375.3	1.5	MRO-MRV 33	5740	28.2	16.2	33.00	1.8620
		54.84	25.5	385.0	2.5	MRO-MRV 43	9800	53.0	41.0	33.00	4.0943
		56.67	24.7	396.5	> 3.5	MRO-MRV 53	8820	88.6	76.6	33.00	25.3529
		56.19	24.9	397.4	> 3.5	MRO-MRV 63	9970	139.5	127.5	33.00	19.4030
	63.0	64.33	21.8	451.0	0.9	MRO-MRV 33	5740	28.2	16.2	33.00	1.8750
		63.95	21.9	453.8	2.2	MRO-MRV 43	10090	53.0	41.0	33.00	3.9699
		64.91	21.6	455.7	> 3.5	MRO-MRV 53	8950	88.6	76.6	33.00	25.0608
		64.36	21.8	456.3	> 3.5	MRO-MRV 63	10200	139.5	127.5	33.00	18.5080
	71.0	68.52	20.4	490.8	1.2	MRO-MRV 33	5740	28.2	16.2	33.00	1.7840
		68.34	20.5	481.9	1.9	MRO-MRV 43	10970	53.0	41.0	33.00	4.0382
		72.56	19.3	507.2	3.3	MRO-MRV 53	10800	88.6	76.6	33.00	25.1812
		73.41	19.1	518.1	> 3.5	MRO-MRV 63	11430	139.5	127.5	33.00	18.8420
	80.0	80.65	17.4	580.0	1.0	MRO-MRV 33	5740	28.2	16.2	33.00	1.7720
		82.52	17	578.9	1.7	MRO-MRV 43	10510	53.0	41.0	33.00	3.9279
		79.37	17.6	563.2	2.3	MRO-MRV 53	16160	88.6	76.6	33.00	25.0122
		84.55	16.6	596.1	> 3.5	MRO-MRV 63	11400	139.5	127.5	33.00	18.1240
	90.0	89.69	15.6	611.9	1.5	MRO-MRV 43	11880	53.0	41.0	33.00	3.8846
		91.04	15.4	649.0	2.7	MRO-MRV 53	8400	88.6	76.6	33.00	24.8176
		90.27	15.5	637.2	> 3.5	MRO-MRV 63	11400	139.5	127.5	33.00	17.8220
	100.0	102.83	13.6	738.6	1.3	MRO-MRV 43	11740	53.0	41.0	33.00	3.9031
		100.20	14	699.3	2.5	MRO-MRV 53	8000	88.6	76.6	33.00	24.8837
		100.70	13.9	710.8	> 3.5	MRO-MRV 63	9800	139.5	127.5	33.00	17.9540
	112.0	115.73	12.1	801.4	1.3	MRO-MRV 43	11130	53.0	41.0	33.00	3.8632
		109.18	12.8	779.2	2.2	MRO-MRV 53	11200	88.6	76.6	33.00	24.8595
	125.0	118.58	11.8	840.0	> 3.5	MRO-MRV 63	9800	139.5	127.5	33.00	17.6270
		119.59	11.7	856.1	2.1	MRO-MRV 53	7200	88.6	76.6	33.00	24.7730
		128.72	10.9	913.0	2.7	MRO-MRV 63	22060	139.5	127.5	33.00	17.7600
	140.0	140.53	10	984.5	1.8	MRO-MRV 53	7200	88.6	76.6	33.00	24.7467
		141.23	9.9	998.9	3.4	MRO-MRV 63	9800	139.5	127.5	33.00	17.5400
	160.0	153.12	9.14	1051.1	1.6	MRO-MRV 53	10100	88.6	76.6	33.00	24.7344
		154.91	9.04	1087.1	3.1	MRO-MRV 63	9800	139.5	127.5	33.00	17.5010
	180.0	185.17	7.56	1301.7	1.1	MRO-MRV 53	17640	88.6	76.6	33.00	24.7124
		190.49	7.35	1365.0	2.0	MRO-MRV 63	19400	139.5	127.5	33.00	17.4310
	200.0	208.05	6.73	1463.0	0.9	MRO-MRV 53	19060	88.6	76.6	33.00	24.7277
	224.0	224.24	6.24	1590.2	0.8	MRO-MRV 53	19100	88.6	76.6	33.00	24.7733
		220.89	6.34	1558.3	1.6	MRO-MRV 63	22500	139.5	127.5	33.00	17.4800
	250.0	251.60	5.56	1784.1	0.7	MRO-MRV 53	19100	88.6	76.6	33.00	24.7078
	280.0	271.62	5.15	1870.0	1.4	MRO-MRV 63	22500	139.5	127.5	33.00	17.4170
	315.0	305.43	4.58	2157.7	1.2	MRO-MRV 63	22500	139.5	127.5	33.00	17.3880
1.5	6.3	6.62	211.4	63.8	3.1	MRO-MRV 23	3350	24.8	11.3	40.00	1.7940
		6.43	217.6	61.8	> 3.5	MRO-MRV 33	4550	29.7	16.2	40.00	5.3400
		6.60	212.1	63.5	> 3.5	MRO-MRV 43	5570	54.5	41.0	40.00	11.5009
		6.48	215.9	62.3	> 3.5	MRO-MRV 53	8020	90.1	76.6	40.00	46.0154
	7.1	6.43	217.7	61.8	> 3.5	MRO-MRV 63	10740	141.0	127.5	40.00	78.1860
		7.58	185	72.2	1.8	MRO-MRV 13	3310	20.4	6.9	40.00	0.9150
	8.0	8.47	165.3	80.5	2.7	MRO-MRV 23	3620	24.8	11.3	40.00	1.3930
		8.25	169.7	79.4	> 3.5	MRO-MRV 33	5540	29.7	16.2	40.00	4.2720
		8.35	167.6	80.3	> 3.5	MRO-MRV 43	6000	54.5	41.0	40.00	9.2271
		8.57	163.3	82.5	> 3.5	MRO-MRV 53	8770	90.1	76.6	40.00	38.9230
		8.50	164.7	81.8	> 3.5	MRO-MRV 63	11850	141.0	127.5	40.00	60.6320

RO-RV Riduttori

Selezione Motoriduttore

1400 rpm

P ₁ [kW]	i _n	i _r	n ₂ [rpm]	M ₂ [Nm]	FS	Tipo	F _{r2} [N]	MRO/V [kg]	FRO/V [kg]	J _m × 10 ⁻⁴	J ₁ × 10 ⁻⁴	
1.5	9.0	9.14	153	88.6	1.5	MRO-MRV 13	3740	20.4	6.9	40.00	0.8480	
		8.97	156	86.5	2.6	MRO-MRV 23	3710	24.8	11.3	40.00	1.5320	
		9.09	154	87.7	> 3.5	MRO-MRV 33	5710	29.7	16.2	40.00	4.6310	
		8.72	160.6	84.1	> 3.5	MRO-MRV 43	5980	54.5	41.0	40.00	10.1119	
	10.0	9.57	146	91.3	1.5	MRO-MRV 13	3600	20.4	6.9	40.00	0.7740	
		10.43	134.3	99.3	2.5	MRO-MRV 23	3870	24.8	11.3	40.00	1.1640	
		10.17	137.7	97.4	> 3.5	MRO-MRV 33	5630	29.7	16.2	40.00	3.6570	
		10.43	134.2	100.5	> 3.5	MRO-MRV 43	6430	54.5	41.0	40.00	7.7706	
	10.87	128.8	104.8	> 3.5	MRO-MRV 53	9470	90.1	76.6	40.00	34.9392		
		10.78	129.9	103.7	> 3.5	MRO-MRV 63	12750	141.0	127.5	40.00	48.5070	
		11.2	11.63	120	112.5	1.3	MRO-MRV 13	3570	20.4	6.9	40.00	0.6940
			11.48	122	111.3	2.1	MRO-MRV 23	4040	24.8	11.3	40.00	1.2320
	11.65		120.2	111.8	3.4	MRO-MRV 33	5730	29.7	16.2	40.00	3.8410	
	11.04		126.8	106.0	> 3.5	MRO-MRV 43	6520	54.5	41.0	40.00	8.3593	
	12.5	13.03	107.4	125.0	2.2	MRO-MRV 23	3920	24.8	11.3	40.00	0.9900	
		12.72	110	122.7	> 3.5	MRO-MRV 33	5710	29.7	16.2	40.00	3.1860	
		13.29	105.4	127.2	> 3.5	MRO-MRV 43	6950	54.5	41.0	40.00	6.6865	
		13.17	106.3	126.5	> 3.5	MRO-MRV 53	10050	90.1	76.6	40.00	32.6124	
	13.06	107.2	125.5	> 3.5	MRO-MRV 63	13550	141.0	127.5	40.00	41.5040		
		14.0	14.02	100	130.0	1.0	MRO-MRV 13	4040	20.4	6.9	40.00	0.6660
			14.13	99.1	138.0	1.7	MRO-MRV 23	4340	24.8	11.3	40.00	1.0580
			13.52	103.5	130.2	> 3.5	MRO-MRV 33	5520	29.7	16.2	40.00	2.5250
	13.87		100.9	133.2	> 3.5	MRO-MRV 43	7190	54.5	41.0	40.00	5.5410	
	13.63	102.7	131.3	> 3.5	MRO-MRV 53	10340	90.1	76.6	40.00	29.4533		
		13.51	103.6	130.2	> 3.5	MRO-MRV 63	14110	141.0	127.5	40.00	30.9420	
		16.0	15.14	92.5	145.6	1.1	MRO-MRV 13	3550	20.4	6.9	40.00	0.6210
			16.68	83.9	157.8	1.9	MRO-MRV 23	3620	24.8	11.3	40.00	0.8580
	16.30		85.9	155.8	3.5	MRO-MRV 33	5730	29.7	16.2	40.00	2.8190	
	16.21		86.4	156.4	> 3.5	MRO-MRV 43	7420	54.5	41.0	40.00	6.0497	
	16.24	86.2	156.4	> 3.5	MRO-MRV 53	10150	90.1	76.6	40.00	30.7169		
		16.10	87	154.6	> 3.5	MRO-MRV 63	14450	141.0	127.5	40.00	35.7680	
		18.0	18.25	76.7	168.8	0.8	MRO-MRV 13	4240	20.4	6.9	40.00	0.6040
			17.80	78.6	170.5	1.5	MRO-MRV 23	4480	24.8	11.3	40.00	0.6830
	17.33		80.8	166.3	3.1	MRO-MRV 33	5680	29.7	16.2	40.00	2.2830	
	17.55		79.8	169.4	> 3.5	MRO-MRV 43	7740	54.5	41.0	40.00	5.0261	
	18.02	77.7	173.6	> 3.5	MRO-MRV 53	11300	90.1	76.6	40.00	27.8473		
		17.87	78.4	172.1	> 3.5	MRO-MRV 63	15380	141.0	127.5	40.00	26.9670	
		20.0	19.15	73.1	182.1	0.9	MRO-MRV 13	3670	20.4	6.9	40.00	0.5770
			20.55	68.1	193.8	1.6	MRO-MRV 23	3720	24.8	11.3	40.00	0.7790
	19.10		73.3	182.8	2.1	MRO-MRV 33	5730	29.7	16.2	40.00	2.3640	
	20.22		69.2	195.0	> 3.5	MRO-MRV 43	7980	54.5	41.0	40.00	5.5318	
	20.53	68.2	196.7	> 3.5	MRO-MRV 53	8650	90.1	76.6	40.00	29.1621		
		20.36	68.8	195.6	> 3.5	MRO-MRV 63	14100	141.0	127.5	40.00	31.0610	
		22.4	23.33	60	231.8	0.7	MRO-MRV 13	3820	20.4	6.9	40.00	0.5510
			21.91	63.9	213.2	1.3	MRO-MRV 23	4420	24.8	11.3	40.00	0.6310
	21.67		64.6	206.3	2.7	MRO-MRV 33	5740	29.7	16.2	40.00	2.5320	
	21.94		63.8	211.2	3.3	MRO-MRV 43	8310	54.5	41.0	40.00	4.6963	
	22.85	61.3	219.6	> 3.5	MRO-MRV 53	11180	90.1	76.6	40.00	26.9452		
		22.66	61.8	217.2	> 3.5	MRO-MRV 63	16460	141.0	127.5	40.00	24.2220	
		25.0	26.07	53.7	244.7	1.3	MRO-MRV 23	3930	24.8	11.3	40.00	0.7150

Riduttori RO-RV

1400 rpm

Selezione Motoriduttore

P ₁ [kW]	i _n	i _r	n ₂ [rpm]	M ₂ [Nm]	FS	Tipo	F _{r2} [N]	MRO/V [kg]	FRO/V [kg]	J _m × 10 ⁻⁴	J ₁ × 10 ⁻⁴
1.5	25.0	26.73	52.4	254.5	2.2	MRO-MRV 33	5730	29.7	16.2	40.00	2.0370
		26.10	53.6	252.0	3.3	MRO-MRV 43	8690	54.5	41.0	40.00	5.1123
		26.97	51.9	258.2	> 3.5	MRO-MRV 53	8140	90.1	76.6	40.00	27.9078
		25.48	55	244.7	> 3.5	MRO-MRV 63	16820	141.0	127.5	40.00	25.3770
	28.0	27.39	51.1	258.3	1.2	MRO-MRV 23	4180	24.8	11.3	40.00	0.5920
		28.74	48.7	272.7	1.5	MRO-MRV 33	5740	29.7	16.2	40.00	1.9940
		27.92	50.1	268.6	2.9	MRO-MRV 43	8990	54.5	41.0	40.00	4.4508
		27.68	50.6	265.9	> 3.5	MRO-MRV 53	9800	90.1	76.6	40.00	26.4183
	31.5	27.45	51	264.4	> 3.5	MRO-MRV 63	15700	141.0	127.5	40.00	22.6360
		32.97	42.5	325.0	0.8	MRO-MRV 23	4960	24.8	11.3	40.00	0.5440
		33.27	42.1	317.3	1.7	MRO-MRV 33	5740	29.7	16.2	40.00	2.2750
		32.52	43.1	310.5	2.9	MRO-MRV 43	9390	54.5	41.0	40.00	4.8644
	35.5	31.69	44.2	303.6	> 3.5	MRO-MRV 53	8230	90.1	76.6	40.00	27.3913
		31.85	44	306.4	> 3.5	MRO-MRV 63	11540	141.0	127.5	40.00	25.5240
		35.06	39.9	332.1	0.9	MRO-MRV 23	4220	24.8	11.3	40.00	0.5620
		34.26	40.9	336.0	1.7	MRO-MRV 33	5740	29.7	16.2	40.00	1.9540
	40.0	34.06	41.1	323.1	2.6	MRO-MRV 43	9580	54.5	41.0	40.00	4.3066
		34.12	41	329.2	> 3.5	MRO-MRV 53	8340	90.1	76.6	40.00	25.9891
		33.83	41.4	325.4	> 3.5	MRO-MRV 63	13920	141.0	127.5	40.00	21.3370
		41.21	34	387.5	0.8	MRO-MRV 23	4600	24.8	11.3	40.00	0.5270
	45.0	40.23	34.8	388.6	1.5	MRO-MRV 33	5740	29.7	16.2	40.00	1.8490
		41.65	33.6	398.4	> 3.5	MRO-MRV 53	8510	90.1	76.6	40.00	25.4059
		42.78	32.7	409.7	> 3.5	MRO-MRV 63	11390	141.0	127.5	40.00	20.2710
		43.18	32.4	422.7	0.7	MRO-MRV 23	4450	24.8	11.3	40.00	0.5440
	50.0	45.54	30.7	427.5	1.3	MRO-MRV 33	5740	29.7	16.2	40.00	1.8890
		42.50	32.9	406.5	2.1	MRO-MRV 43	10020	54.5	41.0	40.00	4.1893
		43.14	32.5	411.3	> 3.5	MRO-MRV 53	8540	90.1	76.6	40.00	25.6370
		42.95	32.6	414.1	> 3.5	MRO-MRV 63	16450	141.0	127.5	40.00	23.3660
	56.0	51.55	27.2	483.3	1.2	MRO-MRV 33	5740	29.7	16.2	40.00	1.8120
		51.25	27.3	490.0	2.0	MRO-MRV 43	9720	54.5	41.0	40.00	4.0217
		51.34	27.3	496.2	3.5	MRO-MRV 53	8720	90.1	76.6	40.00	25.2163
		50.91	27.5	489.3	> 3.5	MRO-MRV 63	9810	141.0	127.5	40.00	18.9780
	63.0	53.60	26.1	511.8	1.1	MRO-MRV 33	5740	29.7	16.2	40.00	1.8620
		54.84	25.5	525.0	1.9	MRO-MRV 43	9800	54.5	41.0	40.00	4.0943
		56.67	24.7	540.6	3.2	MRO-MRV 53	8820	90.1	76.6	40.00	25.3529
		56.19	24.9	541.9	> 3.5	MRO-MRV 63	9970	141.0	127.5	40.00	19.4030
	71.0	64.33	21.8	615.0	0.7	MRO-MRV 33	5740	29.7	16.2	40.00	1.8750
		63.95	21.9	618.8	1.6	MRO-MRV 43	10090	54.5	41.0	40.00	3.9699
		64.91	21.6	621.4	2.8	MRO-MRV 53	8950	90.1	76.6	40.00	25.0608
		64.36	21.8	622.2	> 3.5	MRO-MRV 63	10200	141.0	127.5	40.00	18.5080
	80.0	68.52	20.4	669.2	0.9	MRO-MRV 33	5740	29.7	16.2	40.00	1.7840
		68.34	20.5	657.1	1.4	MRO-MRV 43	10970	54.5	41.0	40.00	4.0382
		72.56	19.3	691.7	2.4	MRO-MRV 53	10800	90.1	76.6	40.00	25.1812
		73.41	19.1	706.5	> 3.5	MRO-MRV 63	11430	141.0	127.5	40.00	18.8420
	90.0	80.65	17.4	790.9	0.7	MRO-MRV 33	5740	29.7	16.2	40.00	1.7720
		82.52	17	789.5	1.3	MRO-MRV 43	10510	54.5	41.0	40.00	3.9279
		79.37	17.6	768.0	1.7	MRO-MRV 53	16160	90.1	76.6	40.00	25.0122
		84.55	16.6	812.9	> 3.5	MRO-MRV 63	11400	141.0	127.5	40.00	18.1240
	91.04	89.69	15.6	834.4	1.1	MRO-MRV 43	11880	54.5	41.0	40.00	3.8846
		91.04	15.4	885.0	2.0	MRO-MRV 53	8400	90.1	76.6	40.00	24.8176

RO-RV Riduttori

Selezione Motoriduttore

1400 rpm

P ₁ [kW]	i _n	i _r	n ₂ [rpm]	M ₂ [Nm]	FS	Tipo	F _{r2} [N]	MRO/V [kg]	FRO/V [kg]	J _m × 10 ⁻⁴	J ₁ × 10 ⁻⁴
1.5	90.0	90.27	15.5	869.0	> 3.5	MRO-MRV 63	11400	141.0	127.5	40.00	17.8220
	100.0	102.83	13.6	1007.1	0.9	MRO-MRV 43	11740	54.5	41.0	40.00	3.9031
		100.20	14	953.6	1.9	MRO-MRV 53	8000	90.1	76.6	40.00	24.8837
		100.70	13.9	969.2	3.5	MRO-MRV 63	9800	141.0	127.5	40.00	17.9540
	112.0	115.73	12.1	1092.9	0.9	MRO-MRV 43	11130	54.5	41.0	40.00	3.8632
		109.18	12.8	1062.5	1.6	MRO-MRV 53	11200	90.1	76.6	40.00	24.8595
		118.58	11.8	1145.5	2.9	MRO-MRV 63	9800	141.0	127.5	40.00	17.6270
	125.0	119.59	11.7	1167.4	1.5	MRO-MRV 53	7200	90.1	76.6	40.00	24.7730
		128.72	10.9	1245.0	2.0	MRO-MRV 63	22060	141.0	127.5	40.00	17.7600
	140.0	140.53	10	1342.5	1.3	MRO-MRV 53	7200	90.1	76.6	40.00	24.7467
		141.23	9.9	1362.2	2.5	MRO-MRV 63	9800	141.0	127.5	40.00	17.5400
	160.0	153.12	9.14	1433.3	1.2	MRO-MRV 53	10100	90.1	76.6	40.00	24.7344
		154.91	9.04	1482.4	2.3	MRO-MRV 63	9800	141.0	127.5	40.00	17.5010
	180.0	185.17	7.56	1775.0	0.8	MRO-MRV 53	17640	90.1	76.6	40.00	24.7124
		190.49	7.35	1861.4	1.5	MRO-MRV 63	19400	141.0	127.5	40.00	17.4310
	200.0	208.05	6.73	1995.0	0.7	MRO-MRV 53	19060	90.1	76.6	40.00	24.7277
	224.0	220.89	6.34	2125.0	1.2	MRO-MRV 63	22500	141.0	127.5	40.00	17.4800
	280.0	271.62	5.15	2550.0	1.0	MRO-MRV 63	22500	141.0	127.5	40.00	17.4170
	315.0	305.43	4.58	2942.3	0.9	MRO-MRV 63	22500	141.0	127.5	40.00	17.3880
2.2	6.3	6.62	211.4	93.6	2.1	MRO-MRV 23	3350	30.3	11.3	75.00	1.7940
		6.43	217.6	90.6	> 3.5	MRO-MRV 33	4550	35.2	16.2	75.00	5.3400
		6.60	212.1	93.2	> 3.5	MRO-MRV 43	5570	60.0	41.0	75.00	11.5009
		6.48	215.9	91.3	> 3.5	MRO-MRV 53	8020	95.6	76.6	75.00	46.0154
		6.43	217.7	90.6	> 3.5	MRO-MRV 63	10740	146.5	127.5	75.00	78.1860
	8.0	8.47	165.3	118.0	1.9	MRO-MRV 23	3620	30.3	11.3	75.00	1.3930
		8.25	169.7	116.5	> 3.5	MRO-MRV 33	5540	35.2	16.2	75.00	4.2720
		8.35	167.6	117.8	> 3.5	MRO-MRV 43	6000	60.0	41.0	75.00	9.2271
		8.57	163.3	121.0	> 3.5	MRO-MRV 53	8770	95.6	76.6	75.00	38.9230
		8.50	164.7	120.0	> 3.5	MRO-MRV 63	11850	146.5	127.5	75.00	60.6320
	9.0	8.97	156	126.9	1.8	MRO-MRV 23	3710	30.3	11.3	75.00	1.5320
		9.09	154	128.6	3.0	MRO-MRV 33	5710	35.2	16.2	75.00	4.6310
		8.72	160.6	123.3	> 3.5	MRO-MRV 43	5980	60.0	41.0	75.00	10.1119
	10.0	10.43	134.3	145.7	1.7	MRO-MRV 23	3870	30.3	11.3	75.00	1.1640
		10.17	137.7	142.9	3.5	MRO-MRV 33	5630	35.2	16.2	75.00	3.6570
		10.43	134.2	147.5	> 3.5	MRO-MRV 43	6430	60.0	41.0	75.00	7.7706
		10.87	128.8	153.8	> 3.5	MRO-MRV 53	9470	95.6	76.6	75.00	34.9392
		10.78	129.9	152.1	> 3.5	MRO-MRV 63	12750	146.5	127.5	75.00	48.5070
	11.2	11.48	122	163.2	1.4	MRO-MRV 23	4040	30.3	11.3	75.00	1.2320
		11.65	120.2	163.9	2.3	MRO-MRV 33	5730	35.2	16.2	75.00	3.8410
		11.04	126.8	155.4	> 3.5	MRO-MRV 43	6520	60.0	41.0	75.00	8.3593
	12.5	13.03	107.4	183.3	1.5	MRO-MRV 23	3920	30.3	11.3	75.00	0.9900
		12.72	110	180.0	3.0	MRO-MRV 33	5710	35.2	16.2	75.00	3.1860
		13.29	105.4	186.6	> 3.5	MRO-MRV 43	6950	60.0	41.0	75.00	6.6865
		13.17	106.3	185.5	> 3.5	MRO-MRV 53	10050	95.6	76.6	75.00	32.6124
		13.06	107.2	184.0	> 3.5	MRO-MRV 63	13550	146.5	127.5	75.00	41.5040
	14.0	14.13	99.1	202.4	1.1	MRO-MRV 23	4340	30.3	11.3	75.00	1.0580
		13.52	103.5	190.9	2.4	MRO-MRV 33	5520	35.2	16.2	75.00	2.5250
		13.87	100.9	195.3	2.6	MRO-MRV 43	7190	60.0	41.0	75.00	5.5410
		13.63	102.7	192.5	> 3.5	MRO-MRV 53	10340	95.6	76.6	75.00	29.4533
		13.51	103.6	190.9	> 3.5	MRO-MRV 63	14110	146.5	127.5	75.00	30.9420

Riduttori RO-RV

1400 rpm

Selezione Motoriduttore

P ₁ [kW]	i _n	i _r	n ₂ [rpm]	M ₂ [Nm]	FS	Tipo	F _{r2} [N]	MRO/V [kg]	FRO/V [kg]	J _m × 10 ⁻⁴	J ₁ × 10 ⁻⁴
2.2	16.0	16.68	83.9	231.4	1.3	MRO-MRV 23	3620	30.3	11.3	75.00	0.8580
		16.30	85.9	228.5	2.4	MRO-MRV 33	5730	35.2	16.2	75.00	2.8190
		16.21	86.4	229.4	3.2	MRO-MRV 43	7420	60.0	41.0	75.00	6.0497
		16.24	86.2	229.4	> 3.5	MRO-MRV 53	10150	95.6	76.6	75.00	30.7169
		16.10	87	226.8	> 3.5	MRO-MRV 63	14450	146.5	127.5	75.00	35.7680
	18.0	17.80	78.6	250.0	1.0	MRO-MRV 23	4480	30.3	11.3	75.00	0.6830
		17.33	80.8	243.9	2.1	MRO-MRV 33	5680	35.2	16.2	75.00	2.2830
		17.55	79.8	248.5	2.5	MRO-MRV 43	7740	60.0	41.0	75.00	5.0261
		18.02	77.7	254.6	> 3.5	MRO-MRV 53	11300	95.6	76.6	75.00	27.8473
		17.87	78.4	252.4	> 3.5	MRO-MRV 63	15380	146.5	127.5	75.00	26.9670
	20.0	20.55	68.1	284.2	1.1	MRO-MRV 23	3720	30.3	11.3	75.00	0.7790
		19.10	73.3	268.1	1.5	MRO-MRV 33	5730	35.2	16.2	75.00	2.3640
		20.22	69.2	286.0	2.7	MRO-MRV 43	7980	60.0	41.0	75.00	5.5318
		20.53	68.2	288.5	> 3.5	MRO-MRV 53	8650	95.6	76.6	75.00	29.1621
		20.36	68.8	286.9	> 3.5	MRO-MRV 63	14100	146.5	127.5	75.00	31.0610
	22.4	21.67	64.6	302.5	1.8	MRO-MRV 33	5740	35.2	16.2	75.00	2.5320
		21.94	63.8	309.8	2.2	MRO-MRV 43	8310	60.0	41.0	75.00	4.6963
		22.85	61.3	322.1	> 3.5	MRO-MRV 53	11180	95.6	76.6	75.00	26.9452
		22.66	61.8	318.6	> 3.5	MRO-MRV 63	16460	146.5	127.5	75.00	24.2220
	25.0	26.73	52.4	373.3	1.5	MRO-MRV 33	5730	35.2	16.2	75.00	2.0370
		26.10	53.6	369.6	2.3	MRO-MRV 43	8690	60.0	41.0	75.00	5.1123
		26.97	51.9	378.8	> 3.5	MRO-MRV 53	8140	95.6	76.6	75.00	27.9078
		25.48	55	358.9	> 3.5	MRO-MRV 63	16820	146.5	127.5	75.00	25.3770
	28.0	28.74	48.7	400.0	1.0	MRO-MRV 33	5740	35.2	16.2	75.00	1.9940
		27.92	50.1	394.0	2.0	MRO-MRV 43	8990	60.0	41.0	75.00	4.4508
		27.68	50.6	390.0	> 3.5	MRO-MRV 53	9800	95.6	76.6	75.00	26.4183
		27.45	51	387.8	> 3.5	MRO-MRV 63	15700	146.5	127.5	75.00	22.6360
	31.5	33.27	42.1	465.4	1.2	MRO-MRV 33	5740	35.2	16.2	75.00	2.2750
		32.52	43.1	455.3	2.0	MRO-MRV 43	9390	60.0	41.0	75.00	4.8644
		31.69	44.2	445.3	> 3.5	MRO-MRV 53	8230	95.6	76.6	75.00	27.3913
		31.85	44	449.4	> 3.5	MRO-MRV 63	11540	146.5	127.5	75.00	25.5240
	35.5	34.26	40.9	492.8	1.1	MRO-MRV 33	5740	35.2	16.2	75.00	1.9540
		34.06	41.1	473.8	1.8	MRO-MRV 43	9580	60.0	41.0	75.00	4.3066
		34.12	41	482.9	3.5	MRO-MRV 53	8340	95.6	76.6	75.00	25.9891
		33.83	41.4	477.3	> 3.5	MRO-MRV 63	13920	146.5	127.5	75.00	21.3370
	40.0	40.23	34.8	570.0	1.0	MRO-MRV 33	5740	35.2	16.2	75.00	1.8490
		41.65	33.6	584.4	2.9	MRO-MRV 53	8510	95.6	76.6	75.00	25.4059
		42.78	32.7	600.9	> 3.5	MRO-MRV 63	11390	146.5	127.5	75.00	20.2710
	45.0	42.50	32.9	596.1	1.4	MRO-MRV 43	10020	60.0	41.0	75.00	4.1893
		43.14	32.5	603.2	2.8	MRO-MRV 53	8540	95.6	76.6	75.00	25.6370
		42.95	32.6	607.4	> 3.5	MRO-MRV 63	16450	146.5	127.5	75.00	23.3660
	50.0	51.25	27.3	718.7	1.4	MRO-MRV 43	9720	60.0	41.0	75.00	4.0217
		51.34	27.3	727.7	2.4	MRO-MRV 53	8720	95.6	76.6	75.00	25.2163
		50.91	27.5	717.7	> 3.5	MRO-MRV 63	9810	146.5	127.5	75.00	18.9780
	56.0	54.84	25.5	770.0	1.3	MRO-MRV 43	9800	60.0	41.0	75.00	4.0943
		56.67	24.7	792.9	2.2	MRO-MRV 53	8820	95.6	76.6	75.00	25.3529
		56.19	24.9	794.8	> 3.5	MRO-MRV 63	9970	146.5	127.5	75.00	19.4030
	63.0	63.95	21.9	907.5	1.1	MRO-MRV 43	10090	60.0	41.0	75.00	3.9699
		64.91	21.6	911.4	1.9	MRO-MRV 53	8950	95.6	76.6	75.00	25.0608
		64.36	21.8	912.6	> 3.5	MRO-MRV 63	10200	146.5	127.5	75.00	18.5080

RO-RV Riduttori

Selezione Motoriduttore

1400 rpm

P ₁ [kW]	i _n	i _r	n ₂ [rpm]	M ₂ [Nm]	FS	Tipo	F _{r2} [N]	MRO/V [kg]	FRO/V [kg]	J _m × 10 ⁻⁴	J ₁ × 10 ⁻⁴	
2.2	71.0	72.56	19.3	1014.4	1.6	MRO-MRV 53	10800	95.6	76.6	75.00	25.1812	
		73.41	19.1	1036.2	3.1	MRO-MRV 63	11430	146.5	127.5	75.00	18.8420	
	80.0	79.37	17.6	1126.4	1.1	MRO-MRV 53	16160	95.6	76.6	75.00	25.0122	
		84.55	16.6	1192.3	2.8	MRO-MRV 63	11400	146.5	127.5	75.00	18.1240	
	90.0	91.04	15.4	1298.0	1.4	MRO-MRV 53	8400	95.6	76.6	75.00	24.8176	
		90.27	15.5	1274.5	2.6	MRO-MRV 63	11400	146.5	127.5	75.00	17.8220	
	100.0	100.20	14	1398.6	1.3	MRO-MRV 53	8000	95.6	76.6	75.00	24.8837	
		100.70	13.9	1421.5	2.4	MRO-MRV 63	9800	146.5	127.5	75.00	17.9540	
	112.0	109.18	12.8	1558.3	1.1	MRO-MRV 53	11200	95.6	76.6	75.00	24.8595	
		118.58	11.8	1680.0	2.0	MRO-MRV 63	9800	146.5	127.5	75.00	17.6270	
	125.0	119.59	11.7	1712.2	1.0	MRO-MRV 53	7200	95.6	76.6	75.00	24.7730	
		128.72	10.9	1826.0	1.4	MRO-MRV 63	22060	146.5	127.5	75.00	17.7600	
	140.0	141.23	9.9	1997.8	1.7	MRO-MRV 63	9800	146.5	127.5	75.00	17.5400	
	160.0	154.91	9.04	2174.1	1.5	MRO-MRV 63	9800	146.5	127.5	75.00	17.5010	
	180.0	190.49	7.35	2730.0	1.0	MRO-MRV 63	19400	146.5	127.5	75.00	17.4310	
3	6.3	6.62	211.4	127.7	1.6	MRO-MRV 23	3350	32.3	11.3	85.00	1.7940	
		6.43	217.6	123.5	3.4	MRO-MRV 33	4550	37.2	16.2	85.00	5.3400	
		6.60	212.1	127.0	> 3.5	MRO-MRV 43	5570	62.0	41.0	85.00	11.5009	
		6.48	215.9	124.6	> 3.5	MRO-MRV 53	8020	97.6	76.6	85.00	46.0154	
		6.43	217.7	123.6	> 3.5	MRO-MRV 63	10740	148.5	127.5	85.00	78.1860	
	8.0	8.47	165.3	161.0	1.4	MRO-MRV 23	3620	32.3	11.3	85.00	1.3930	
		8.25	169.7	158.8	2.8	MRO-MRV 33	5540	37.2	16.2	85.00	4.2720	
		8.35	167.6	160.6	3.3	MRO-MRV 43	6000	62.0	41.0	85.00	9.2271	
		8.57	163.3	165.0	> 3.5	MRO-MRV 53	8770	97.6	76.6	85.00	38.9230	
		8.50	164.7	163.6	> 3.5	MRO-MRV 63	11850	148.5	127.5	85.00	60.6320	
	9.0	8.97	156	173.1	1.3	MRO-MRV 23	3710	32.3	11.3	85.00	1.5320	
		9.09	154	175.4	2.2	MRO-MRV 33	5710	37.2	16.2	85.00	4.6310	
		8.72	160.6	168.1	> 3.5	MRO-MRV 43	5980	62.0	41.0	85.00	10.1119	
		10.0	10.43	134.3	198.6	1.2	MRO-MRV 23	3870	32.3	11.3	85.00	1.1640
			10.17	137.7	194.8	2.6	MRO-MRV 33	5630	37.2	16.2	85.00	3.6570
	10.43		134.2	201.1	3.0	MRO-MRV 43	6430	62.0	41.0	85.00	7.7706	
	10.87		128.8	209.7	> 3.5	MRO-MRV 53	9470	97.6	76.6	85.00	34.9392	
	10.78		129.9	207.4	> 3.5	MRO-MRV 63	12750	148.5	127.5	85.00	48.5070	
	11.2	11.48	122	222.6	1.0	MRO-MRV 23	4040	32.3	11.3	85.00	1.2320	
		11.65	120.2	223.5	1.7	MRO-MRV 33	5730	37.2	16.2	85.00	3.8410	
		11.04	126.8	212.0	3.1	MRO-MRV 43	6520	62.0	41.0	85.00	8.3593	
		12.5	13.03	107.4	250.0	1.1	MRO-MRV 23	3920	32.3	11.3	85.00	0.9900
			12.72	110	245.5	2.2	MRO-MRV 33	5710	37.2	16.2	85.00	3.1860
	13.29		105.4	254.4	2.6	MRO-MRV 43	6950	62.0	41.0	85.00	6.6865	
	13.17		106.3	253.0	> 3.5	MRO-MRV 53	10050	97.6	76.6	85.00	32.6124	
	13.06		107.2	251.0	> 3.5	MRO-MRV 63	13550	148.5	127.5	85.00	41.5040	
	14.0	14.13	99.1	276.0	0.8	MRO-MRV 23	4340	32.3	11.3	85.00	1.0580	
		13.52	103.5	260.4	1.8	MRO-MRV 33	5520	37.2	16.2	85.00	2.5250	
		13.87	100.9	266.4	1.9	MRO-MRV 43	7190	62.0	41.0	85.00	5.5410	
		13.63	102.7	262.5	> 3.5	MRO-MRV 53	10340	97.6	76.6	85.00	29.4533	
		13.51	103.6	260.3	> 3.5	MRO-MRV 63	14110	148.5	127.5	85.00	30.9420	
	16.0	16.68	83.9	315.5	1.0	MRO-MRV 23	3620	32.3	11.3	85.00	0.8580	
		16.30	85.9	311.5	1.7	MRO-MRV 33	5730	37.2	16.2	85.00	2.8190	
		16.21	86.4	312.9	2.3	MRO-MRV 43	7420	62.0	41.0	85.00	6.0497	
		16.24	86.2	312.8	> 3.5	MRO-MRV 53	10150	97.6	76.6	85.00	30.7169	

Riduttori RO-RV

1400 rpm

Selezione Motoriduttore

P ₁ [kW]	i _n	i _r	n ₂ [rpm]	M ₂ [Nm]	FS	Tipo	F _{r2} [N]	MRO/V [kg]	FRO/V [kg]	J _m × 10 ⁻⁴	J ₁ × 10 ⁻⁴
3	16.0	16.10	87	309.3	> 3.5	MRO-MRV 63	14450	148.5	127.5	85.00	35.7680
		17.80	78.6	340.9	0.7	MRO-MRV 23	4480	32.3	11.3	85.00	0.6830
	18.0	17.33	80.8	332.6	1.5	MRO-MRV 33	5680	37.2	16.2	85.00	2.2830
		17.55	79.8	338.9	1.8	MRO-MRV 43	7740	62.0	41.0	85.00	5.0261
		18.02	77.7	347.2	> 3.5	MRO-MRV 53	11300	97.6	76.6	85.00	27.8473
		17.87	78.4	344.1	> 3.5	MRO-MRV 63	15380	148.5	127.5	85.00	26.9670
	20.0	20.55	68.1	387.5	0.8	MRO-MRV 23	3720	32.3	11.3	85.00	0.7790
		19.10	73.3	365.6	1.1	MRO-MRV 33	5730	37.2	16.2	85.00	2.3640
		20.22	69.2	390.0	2.0	MRO-MRV 43	7980	62.0	41.0	85.00	5.5318
		20.53	68.2	393.4	> 3.5	MRO-MRV 53	8650	97.6	76.6	85.00	29.1621
	22.4	20.36	68.8	391.2	> 3.5	MRO-MRV 63	14100	148.5	127.5	85.00	31.0610
		21.67	64.6	412.5	1.3	MRO-MRV 33	5740	37.2	16.2	85.00	2.5320
		21.94	63.8	422.4	1.6	MRO-MRV 43	8310	62.0	41.0	85.00	4.6963
		22.85	61.3	439.2	3.2	MRO-MRV 53	11180	97.6	76.6	85.00	26.9452
	25.0	22.66	61.8	434.4	> 3.5	MRO-MRV 63	16460	148.5	127.5	85.00	24.2220
		26.73	52.4	509.1	1.1	MRO-MRV 33	5730	37.2	16.2	85.00	2.0370
		26.10	53.6	504.0	1.7	MRO-MRV 43	8690	62.0	41.0	85.00	5.1123
		26.97	51.9	516.5	3.2	MRO-MRV 53	8140	97.6	76.6	85.00	27.9078
	28.0	25.48	55	489.4	> 3.5	MRO-MRV 63	16820	148.5	127.5	85.00	25.3770
		28.74	48.7	545.5	0.7	MRO-MRV 33	5740	37.2	16.2	85.00	1.9940
		27.92	50.1	537.2	1.4	MRO-MRV 43	8990	62.0	41.0	85.00	4.4508
		27.68	50.6	531.8	2.9	MRO-MRV 53	9800	97.6	76.6	85.00	26.4183
	31.5	27.45	51	528.8	> 3.5	MRO-MRV 63	15700	148.5	127.5	85.00	22.6360
		33.27	42.1	634.6	0.9	MRO-MRV 33	5740	37.2	16.2	85.00	2.2750
		32.52	43.1	620.9	1.4	MRO-MRV 43	9390	62.0	41.0	85.00	4.8644
		31.69	44.2	607.2	2.8	MRO-MRV 53	8230	97.6	76.6	85.00	27.3913
	35.5	31.85	44	612.9	> 3.5	MRO-MRV 63	11540	148.5	127.5	85.00	25.5240
		34.26	40.9	672.0	0.8	MRO-MRV 33	5740	37.2	16.2	85.00	1.9540
		34.06	41.1	646.2	1.3	MRO-MRV 43	9580	62.0	41.0	85.00	4.3066
		34.12	41	658.4	2.6	MRO-MRV 53	8340	97.6	76.6	85.00	25.9891
	40.0	33.83	41.4	650.8	> 3.5	MRO-MRV 63	13920	148.5	127.5	85.00	21.3370
		40.23	34.8	777.3	0.7	MRO-MRV 33	5740	37.2	16.2	85.00	1.8490
		41.65	33.6	796.9	2.1	MRO-MRV 53	8510	97.6	76.6	85.00	25.4059
		42.78	32.7	819.4	> 3.5	MRO-MRV 63	11390	148.5	127.5	85.00	20.2710
	45.0	42.50	32.9	812.9	1.0	MRO-MRV 43	10020	62.0	41.0	85.00	4.1893
		43.14	32.5	822.6	2.1	MRO-MRV 53	8540	97.6	76.6	85.00	25.6370
		42.95	32.6	828.3	3.1	MRO-MRV 63	16450	148.5	127.5	85.00	23.3660
		51.25	27.3	980.0	1.0	MRO-MRV 43	9720	62.0	41.0	85.00	4.0217
	50.0	51.34	27.3	992.3	1.7	MRO-MRV 53	8720	97.6	76.6	85.00	25.2163
		50.91	27.5	978.6	3.4	MRO-MRV 63	9810	148.5	127.5	85.00	18.9780
		54.84	25.5	1050.0	0.9	MRO-MRV 43	9800	62.0	41.0	85.00	4.0943
		56.67	24.7	1081.3	1.6	MRO-MRV 53	8820	97.6	76.6	85.00	25.3529
	56.0	56.19	24.9	1083.9	3.1	MRO-MRV 63	9970	148.5	127.5	85.00	19.4030
		63.95	21.9	1237.5	0.8	MRO-MRV 43	10090	62.0	41.0	85.00	3.9699
		64.91	21.6	1242.9	1.4	MRO-MRV 53	8950	97.6	76.6	85.00	25.0608
		64.36	21.8	1244.4	2.7	MRO-MRV 63	10200	148.5	127.5	85.00	18.5080
	71.0	72.56	19.3	1383.3	1.2	MRO-MRV 53	10800	97.6	76.6	85.00	25.1812
		73.41	19.1	1413.0	2.3	MRO-MRV 63	11430	148.5	127.5	85.00	18.8420
	80.0	79.37	17.6	1536.0	0.8	MRO-MRV 53	16160	97.6	76.6	85.00	25.0122
		84.55	16.6	1625.8	2.1	MRO-MRV 63	11400	148.5	127.5	85.00	18.1240

RO-RV Riduttori

Selezione Motoriduttore

1400 rpm

P ₁ [kW]	i _n	i _r	n ₂ [rpm]	M ₂ [Nm]	FS	Tipo	F _{r2} [N]	MRO/V [kg]	FRO/V [kg]	J _m × 10 ⁻⁴	J ₁ × 10 ⁻⁴
3	90.0	91.04	15.4	1770.0	1.0	MRO-MRV 53	8400	97.6	76.6	85.00	24.8176
		90.27	15.5	1737.9	1.9	MRO-MRV 63	11400	148.5	127.5	85.00	17.8220
	100.0	100.20	14	1907.1	0.9	MRO-MRV 53	8000	97.6	76.6	85.00	24.8837
		100.70	13.9	1938.5	1.7	MRO-MRV 63	9800	148.5	127.5	85.00	17.9540
	112.0	109.18	12.8	2125.0	0.8	MRO-MRV 53	11200	97.6	76.6	85.00	24.8595
		118.58	11.8	2290.9	1.5	MRO-MRV 63	9800	148.5	127.5	85.00	17.6270
	125.0	119.59	11.7	2334.8	0.8	MRO-MRV 53	7200	97.6	76.6	85.00	24.7730
		128.72	10.9	2490.0	1.0	MRO-MRV 63	22060	148.5	127.5	85.00	17.7600
	140.0	141.23	9.9	2724.3	1.2	MRO-MRV 63	9800	148.5	127.5	85.00	17.5400
	160.0	154.91	9.04	2964.7	1.1	MRO-MRV 63	9800	148.5	127.5	85.00	17.5010
	180.0	190.49	7.35	3722.7	0.7	MRO-MRV 63	19400	148.5	127.5	85.00	17.4310
4	6.3	6.62	211.4	170.2	1.2	MRO-MRV 23	3350	40.3	11.3	130.00	1.7940
		6.43	217.6	164.7	2.6	MRO-MRV 33	4550	45.2	16.2	130.00	5.3400
		6.60	212.1	169.4	2.8	MRO-MRV 43	5570	70.0	41.0	130.00	11.5009
		6.48	215.9	166.1	> 3.5	MRO-MRV 53	8020	105.6	76.6	130.00	46.0154
		6.43	217.7	164.8	> 3.5	MRO-MRV 63	10740	156.5	127.5	130.00	78.1860
	8.0	8.47	165.3	214.6	1.0	MRO-MRV 23	3620	40.3	11.3	130.00	1.3930
		8.25	169.7	211.8	2.1	MRO-MRV 33	5540	45.2	16.2	130.00	4.2720
		8.35	167.6	214.1	2.5	MRO-MRV 43	6000	70.0	41.0	130.00	9.2271
		8.57	163.3	220.0	> 3.5	MRO-MRV 53	8770	105.6	76.6	130.00	38.9230
		8.50	164.7	218.2	> 3.5	MRO-MRV 63	11850	156.5	127.5	130.00	60.6320
	9.0	9.09	154	233.8	1.6	MRO-MRV 33	5710	45.2	16.2	130.00	4.6310
		8.72	160.6	224.1	2.9	MRO-MRV 43	5980	70.0	41.0	130.00	10.1119
	10.0	10.17	137.7	259.7	1.9	MRO-MRV 33	5630	45.2	16.2	130.00	3.6570
		10.43	134.2	268.1	2.3	MRO-MRV 43	6430	70.0	41.0	130.00	7.7706
		10.87	128.8	279.5	> 3.5	MRO-MRV 53	9470	105.6	76.6	130.00	34.9392
		10.78	129.9	276.5	> 3.5	MRO-MRV 63	12750	156.5	127.5	130.00	48.5070
	11.2	11.65	120.2	298.0	1.3	MRO-MRV 33	5730	45.2	16.2	130.00	3.8410
		11.04	126.8	282.6	2.3	MRO-MRV 43	6520	70.0	41.0	130.00	8.3593
	12.5	12.72	110	327.3	1.7	MRO-MRV 33	5710	45.2	16.2	130.00	3.1860
		13.29	105.4	339.2	2.0	MRO-MRV 43	6950	70.0	41.0	130.00	6.6865
		13.17	106.3	337.3	> 3.5	MRO-MRV 53	10050	105.6	76.6	130.00	32.6124
		13.06	107.2	334.6	> 3.5	MRO-MRV 63	13550	156.5	127.5	130.00	41.5040
	14.0	13.52	103.5	347.2	1.3	MRO-MRV 33	5520	45.2	16.2	130.00	2.5250
		13.87	100.9	355.2	1.5	MRO-MRV 43	7190	70.0	41.0	130.00	5.5410
		13.63	102.7	350.0	3.0	MRO-MRV 53	10340	105.6	76.6	130.00	29.4533
		13.51	103.6	347.1	> 3.5	MRO-MRV 63	14110	156.5	127.5	130.00	30.9420
	16.0	16.30	85.9	415.4	1.3	MRO-MRV 33	5730	45.2	16.2	130.00	2.8190
		16.21	86.4	417.1	1.8	MRO-MRV 43	7420	70.0	41.0	130.00	6.0497
		16.24	86.2	417.0	> 3.5	MRO-MRV 53	10150	105.6	76.6	130.00	30.7169
		16.10	87	412.4	> 3.5	MRO-MRV 63	14450	156.5	127.5	130.00	35.7680
	18.0	17.33	80.8	443.5	1.2	MRO-MRV 33	5680	45.2	16.2	130.00	2.2830
		17.55	79.8	451.9	1.4	MRO-MRV 43	7740	70.0	41.0	130.00	5.0261
		18.02	77.7	463.0	2.7	MRO-MRV 53	11300	105.6	76.6	130.00	27.8473
		17.87	78.4	458.8	> 3.5	MRO-MRV 63	15380	156.5	127.5	130.00	26.9670
	20.0	20.22	69.2	520.0	1.5	MRO-MRV 43	7980	70.0	41.0	130.00	5.5318
		20.53	68.2	524.6	3.1	MRO-MRV 53	8650	105.6	76.6	130.00	29.1621
		20.36	68.8	521.6	> 3.5	MRO-MRV 63	14100	156.5	127.5	130.00	31.0610
	22.4	21.94	63.8	563.3	1.2	MRO-MRV 43	8310	70.0	41.0	130.00	4.6963
		22.85	61.3	585.6	2.4	MRO-MRV 53	11180	105.6	76.6	130.00	26.9452

Riduttori RO-RV

1400 rpm

Selezione Motoriduttore

P ₁ [kW]	i _n	i _r	n ₂ [rpm]	M ₂ [Nm]	FS	Tipo	F _{r2} [N]	MRO/V [kg]	FRO/V [kg]	J _m × 10 ⁻⁴	J ₁ × 10 ⁻⁴
4	22.4	22.66	61.8	579.2	> 3.5	MRO-MRV 63	16460	156.5	127.5	130.00	24.2220
	25.0	26.10	53.6	672.0	1.3	MRO-MRV 43	8690	70.0	41.0	130.00	5.1123
		26.97	51.9	688.7	2.4	MRO-MRV 53	8140	105.6	76.6	130.00	27.9078
		25.48	55	652.5	> 3.5	MRO-MRV 63	16820	156.5	127.5	130.00	25.3770
	28.0	27.92	50.1	716.3	1.1	MRO-MRV 43	8990	70.0	41.0	130.00	4.4508
		27.68	50.6	709.1	2.2	MRO-MRV 53	9800	105.6	76.6	130.00	26.4183
		27.45	51	705.0	3.5	MRO-MRV 63	15700	156.5	127.5	130.00	22.6360
	31.5	32.52	43.1	827.9	1.1	MRO-MRV 43	9390	70.0	41.0	130.00	4.8644
		31.69	44.2	809.6	2.1	MRO-MRV 53	8230	105.6	76.6	130.00	27.3913
		31.85	44	817.1	3.5	MRO-MRV 63	11540	156.5	127.5	130.00	25.5240
	35.5	34.12	41	877.9	1.9	MRO-MRV 53	8340	105.6	76.6	130.00	25.9891
		33.83	41.4	867.7	3.1	MRO-MRV 63	13920	156.5	127.5	130.00	21.3370
	40.0	41.65	33.6	1062.5	1.6	MRO-MRV 53	8510	105.6	76.6	130.00	25.4059
		42.78	32.7	1092.6	2.7	MRO-MRV 63	11390	156.5	127.5	130.00	20.2710
	45.0	43.14	32.5	1096.8	1.6	MRO-MRV 53	8540	105.6	76.6	130.00	25.6370
		42.95	32.6	1104.3	2.3	MRO-MRV 63	16450	156.5	127.5	130.00	23.3660
	50.0	51.34	27.3	1323.1	1.3	MRO-MRV 53	8720	105.6	76.6	130.00	25.2163
		50.91	27.5	1304.9	2.6	MRO-MRV 63	9810	156.5	127.5	130.00	18.9780
	56.0	56.67	24.7	1441.7	1.2	MRO-MRV 53	8820	105.6	76.6	130.00	25.3529
		56.19	24.9	1445.2	2.3	MRO-MRV 63	9970	156.5	127.5	130.00	19.4030
	63.0	64.91	21.6	1657.1	1.1	MRO-MRV 53	8950	105.6	76.6	130.00	25.0608
		64.36	21.8	1659.3	2.0	MRO-MRV 63	10200	156.5	127.5	130.00	18.5080
	71.0	72.56	19.3	1844.4	0.9	MRO-MRV 53	10800	105.6	76.6	130.00	25.1812
		73.41	19.1	1884.1	1.7	MRO-MRV 63	11430	156.5	127.5	130.00	18.8420
	80.0	84.55	16.6	2167.7	1.6	MRO-MRV 63	11400	156.5	127.5	130.00	18.1240
	90.0	91.04	15.4	2360.0	0.8	MRO-MRV 53	8400	105.6	76.6	130.00	24.8176
		90.27	15.5	2317.2	1.5	MRO-MRV 63	11400	156.5	127.5	130.00	17.8220
	100.0	100.20	14	2542.9	0.7	MRO-MRV 53	8000	105.6	76.6	130.00	24.8837
		100.70	13.9	2584.6	1.3	MRO-MRV 63	9800	156.5	127.5	130.00	17.9540
	112.0	118.58	11.8	3054.5	1.1	MRO-MRV 63	9800	156.5	127.5	130.00	17.6270
	125.0	128.72	10.9	3320.0	0.8	MRO-MRV 63	22060	156.5	127.5	130.00	17.7600
	140.0	141.23	9.9	3632.4	0.9	MRO-MRV 63	9800	156.5	127.5	130.00	17.5400
	160.0	154.91	9.04	3952.9	0.9	MRO-MRV 63	9800	156.5	127.5	130.00	17.5010
5.5	6.3	6.48	215.9	228.3	> 3.5	MRO-MRV 53	8020	119.6	76.6	240.00	46.0154
		6.43	217.7	226.6	> 3.5	MRO-MRV 63	10740	170.5	127.5	240.00	78.1860
	8.0	8.57	163.3	302.5	> 3.5	MRO-MRV 53	8770	119.6	76.6	240.00	38.9230
		8.50	164.7	300.0	> 3.5	MRO-MRV 63	11850	170.5	127.5	240.00	60.6320
	10.0	10.87	128.8	384.4	3.2	MRO-MRV 53	9470	119.6	76.6	240.00	34.9392
		10.78	129.9	380.2	> 3.5	MRO-MRV 63	12750	170.5	127.5	240.00	48.5070
	12.5	13.17	106.3	463.9	3.0	MRO-MRV 53	10050	119.6	76.6	240.00	32.6124
		13.06	107.2	460.1	> 3.5	MRO-MRV 63	13550	170.5	127.5	240.00	41.5040
	14.0	13.63	102.7	481.3	2.2	MRO-MRV 53	10340	119.6	76.6	240.00	29.4533
		13.51	103.6	477.2	3.4	MRO-MRV 63	14110	170.5	127.5	240.00	30.9420
	16.0	16.24	86.2	573.4	2.6	MRO-MRV 53	10150	119.6	76.6	240.00	30.7169
		16.10	87	567.0	> 3.5	MRO-MRV 63	14450	170.5	127.5	240.00	35.7680
	18.0	18.02	77.7	636.6	2.0	MRO-MRV 53	11300	119.6	76.6	240.00	27.8473
		17.87	78.4	630.9	3.1	MRO-MRV 63	15380	170.5	127.5	240.00	26.9670
	20.0	20.53	68.2	721.3	2.2	MRO-MRV 53	8650	119.6	76.6	240.00	29.1621
		20.36	68.8	717.3	> 3.5	MRO-MRV 63	14100	170.5	127.5	240.00	31.0610
	22.4	22.85	61.3	805.2	1.8	MRO-MRV 53	11180	119.6	76.6	240.00	26.9452

RO-RV Riduttori

Selezione Motoriduttore

1400 rpm

P ₁ [kW]	i _n	i _r	n ₂ [rpm]	M ₂ [Nm]	FS	Tipo	F _{r2} [N]	MRO/V [kg]	FRO/V [kg]	J _m × 10 ⁻⁴	J ₁ × 10 ⁻⁴
5.5	22.4	22.66	61.8	796.4	2.8	MRO-MRV 63	16460	170.5	127.5	240.00	24.2220
	25.0	26.97	51.9	946.9	1.8	MRO-MRV 53	8140	119.6	76.6	240.00	27.9078
		25.48	55	897.2	2.6	MRO-MRV 63	16820	170.5	127.5	240.00	25.3770
	28.0	27.68	50.6	975.0	1.6	MRO-MRV 53	9800	119.6	76.6	240.00	26.4183
		27.45	51	969.4	2.5	MRO-MRV 63	15700	170.5	127.5	240.00	22.6360
	31.5	31.69	44.2	1113.3	1.5	MRO-MRV 53	8230	119.6	76.6	240.00	27.3913
		31.85	44	1123.6	2.5	MRO-MRV 63	11540	170.5	127.5	240.00	25.5240
	35.5	34.12	41	1207.1	1.4	MRO-MRV 53	8340	119.6	76.6	240.00	25.9891
		33.83	41.4	1193.1	2.3	MRO-MRV 63	13920	170.5	127.5	240.00	21.3370
	40.0	41.65	33.6	1460.9	1.2	MRO-MRV 53	8510	119.6	76.6	240.00	25.4059
		42.78	32.7	1502.3	2.0	MRO-MRV 63	11390	170.5	127.5	240.00	20.2710
	45.0	43.14	32.5	1508.1	1.1	MRO-MRV 53	8540	119.6	76.6	240.00	25.6370
		42.95	32.6	1518.5	1.7	MRO-MRV 63	16450	170.5	127.5	240.00	23.3660
	50.0	50.91	27.5	1794.2	1.9	MRO-MRV 63	9810	170.5	127.5	240.00	18.9780
	56.0	56.19	24.9	1987.1	1.7	MRO-MRV 63	9970	170.5	127.5	240.00	19.4030
	63.0	64.36	21.8	2281.5	1.5	MRO-MRV 63	10200	170.5	127.5	240.00	18.5080
	71.0	73.41	19.1	2590.6	1.3	MRO-MRV 63	11430	170.5	127.5	240.00	18.8420
	80.0	84.55	16.6	2980.6	1.1	MRO-MRV 63	11400	170.5	127.5	240.00	18.1240
	90.0	90.27	15.5	3186.2	1.1	MRO-MRV 63	11400	170.5	127.5	240.00	17.8220
7.5	6.3	6.48	215.9	311.4	3.0	MRO-MRV 53	8020	128.6	76.6	330.00	46.0154
		6.43	217.7	308.9	> 3.5	MRO-MRV 63	10740	179.5	127.5	330.00	78.1860
	8.0	8.57	163.3	412.5	2.7	MRO-MRV 53	8770	128.6	76.6	330.00	38.9230
		8.50	164.7	409.1	> 3.5	MRO-MRV 63	11850	179.5	127.5	330.00	60.6320
	10.0	10.87	128.8	524.1	2.3	MRO-MRV 53	9470	128.6	76.6	330.00	34.9392
		10.78	129.9	518.4	> 3.5	MRO-MRV 63	12750	179.5	127.5	330.00	48.5070
	12.5	13.17	106.3	632.5	2.2	MRO-MRV 53	10050	128.6	76.6	330.00	32.6124
		13.06	107.2	627.4	3.4	MRO-MRV 63	13550	179.5	127.5	330.00	41.5040
	14.0	13.63	102.7	656.3	1.6	MRO-MRV 53	10340	128.6	76.6	330.00	29.4533
		13.51	103.6	650.8	2.5	MRO-MRV 63	14110	179.5	127.5	330.00	30.9420
	16.0	16.24	86.2	781.9	1.9	MRO-MRV 53	10150	128.6	76.6	330.00	30.7169
		16.10	87	773.2	3.0	MRO-MRV 63	14450	179.5	127.5	330.00	35.7680
	18.0	18.02	77.7	868.1	1.4	MRO-MRV 53	11300	128.6	76.6	330.00	27.8473
		17.87	78.4	860.3	2.3	MRO-MRV 63	15380	179.5	127.5	330.00	26.9670
	20.0	20.53	68.2	983.6	1.6	MRO-MRV 53	8650	128.6	76.6	330.00	29.1621
		20.36	68.8	978.1	2.6	MRO-MRV 63	14100	179.5	127.5	330.00	31.0610
	22.4	22.85	61.3	1097.9	1.3	MRO-MRV 53	11180	128.6	76.6	330.00	26.9452
		22.66	61.8	1086.0	2.1	MRO-MRV 63	16460	179.5	127.5	330.00	24.2220
	25.0	26.97	51.9	1291.2	1.3	MRO-MRV 53	8140	128.6	76.6	330.00	27.9078
		25.48	55	1223.4	1.9	MRO-MRV 63	16820	179.5	127.5	330.00	25.3770
	28.0	27.68	50.6	1329.5	1.2	MRO-MRV 53	9800	128.6	76.6	330.00	26.4183
		27.45	51	1321.9	1.9	MRO-MRV 63	15700	179.5	127.5	330.00	22.6360
	31.5	31.69	44.2	1518.1	1.1	MRO-MRV 53	8230	128.6	76.6	330.00	27.3913
		31.85	44	1532.1	1.9	MRO-MRV 63	11540	179.5	127.5	330.00	25.5240
	35.5	34.12	41	1646.1	1.0	MRO-MRV 53	8340	128.6	76.6	330.00	25.9891
		33.83	41.4	1627.0	1.7	MRO-MRV 63	13920	179.5	127.5	330.00	21.3370
	40.0	41.65	33.6	1992.2	0.9	MRO-MRV 53	8510	128.6	76.6	330.00	25.4059
		42.78	32.7	2048.6	1.4	MRO-MRV 63	11390	179.5	127.5	330.00	20.2710
	45.0	43.14	32.5	2056.5	0.8	MRO-MRV 53	8540	128.6	76.6	330.00	25.6370
		42.95	32.6	2070.7	1.2	MRO-MRV 63	16450	179.5	127.5	330.00	23.3660
	50.0	50.91	27.5	2446.6	1.4	MRO-MRV 63	9810	179.5	127.5	330.00	18.9780

Riduttori RO-RV

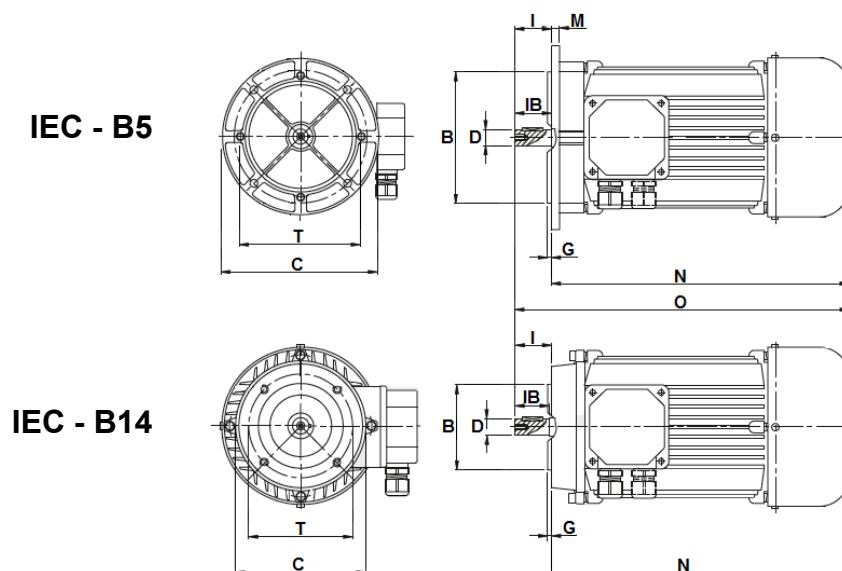
1400 rpm

Selezione Motoriduttore

P ₁ [kW]	i _n	i _r	n ₂ [rpm]	M ₂ [Nm]	FS	Tipo	F _{r2} [N]	MRO/V [kg]	FRO/V [kg]	J _m × 10 ⁻⁴	J ₁ × 10 ⁻⁴
7.5	56.0	56.19	24.9	2709.7	1.2	MRO-MRV 63	9970	179.5	127.5	330.00	19.4030
	63.0	64.36	21.8	3111.1	1.1	MRO-MRV 63	10200	179.5	127.5	330.00	18.5080
	71.0	73.41	19.1	3532.6	0.9	MRO-MRV 63	11430	179.5	127.5	330.00	18.8420
	80.0	84.55	16.6	4064.5	0.8	MRO-MRV 63	11400	179.5	127.5	330.00	18.1240
	90.0	90.27	15.5	4344.8	0.8	MRO-MRV 63	11400	179.5	127.5	330.00	17.8220
11	6.3	6.48	215.9	456.7	2.0	MRO-MRV 53	8020	166.6	76.6	620.00	46.0154
		6.43	217.7	453.1	> 3.5	MRO-MRV 63	10740	217.5	127.5	620.00	78.1860
	8.0	8.57	163.3	605.0	1.8	MRO-MRV 53	8770	166.6	76.6	620.00	38.9230
		8.50	164.7	600.0	2.9	MRO-MRV 63	11850	217.5	127.5	620.00	60.6320
	10.0	10.87	128.8	768.8	1.6	MRO-MRV 53	9470	166.6	76.6	620.00	34.9392
		10.78	129.9	760.4	2.6	MRO-MRV 63	12750	217.5	127.5	620.00	48.5070
	12.5	13.17	106.3	927.7	1.5	MRO-MRV 53	10050	166.6	76.6	620.00	32.6124
		13.06	107.2	920.2	2.3	MRO-MRV 63	13550	217.5	127.5	620.00	41.5040
	14.0	13.63	102.7	962.5	1.1	MRO-MRV 53	10340	166.6	76.6	620.00	29.4533
		13.51	103.6	954.5	1.7	MRO-MRV 63	14110	217.5	127.5	620.00	30.9420
	16.0	16.24	86.2	1146.8	1.3	MRO-MRV 53	10150	166.6	76.6	620.00	30.7169
		16.10	87	1134.1	2.1	MRO-MRV 63	14450	217.5	127.5	620.00	35.7680
	18.0	18.02	77.7	1273.1	1.0	MRO-MRV 53	11300	166.6	76.6	620.00	27.8473
		17.87	78.4	1261.8	1.5	MRO-MRV 63	15380	217.5	127.5	620.00	26.9670
	20.0	20.53	68.2	1442.6	1.1	MRO-MRV 53	8650	166.6	76.6	620.00	29.1621
		20.36	68.8	1434.5	1.8	MRO-MRV 63	14100	217.5	127.5	620.00	31.0610
	22.4	22.66	61.8	1592.9	1.4	MRO-MRV 63	16460	217.5	127.5	620.00	24.2220
	25.0	25.48	55	1794.3	1.3	MRO-MRV 63	16820	217.5	127.5	620.00	25.3770
	28.0	27.45	51	1938.8	1.3	MRO-MRV 63	15700	217.5	127.5	620.00	22.6360
	31.5	31.85	44	2247.1	1.3	MRO-MRV 63	11540	217.5	127.5	620.00	25.5240
	35.5	33.83	41.4	2386.3	1.1	MRO-MRV 63	13920	217.5	127.5	620.00	21.3370
15	6.3	6.48	215.9	622.8	1.5	MRO-MRV 53	8020	176.6	76.6	740.00	46.0154
		6.43	217.7	617.9	2.7	MRO-MRV 63	10740	227.5	127.5	740.00	78.1860
	8.0	8.57	163.3	825.0	1.3	MRO-MRV 53	8770	176.6	76.6	740.00	38.9230
		8.50	164.7	818.2	2.1	MRO-MRV 63	11850	227.5	127.5	740.00	60.6320
	10.0	10.87	128.8	1048.3	1.2	MRO-MRV 53	9470	176.6	76.6	740.00	34.9392
		10.78	129.9	1036.8	1.9	MRO-MRV 63	12750	227.5	127.5	740.00	48.5070
	12.5	13.17	106.3	1265.1	1.1	MRO-MRV 53	10050	176.6	76.6	740.00	32.6124
		13.06	107.2	1254.9	1.7	MRO-MRV 63	13550	227.5	127.5	740.00	41.5040
	14.0	13.63	102.7	1312.5	0.8	MRO-MRV 53	10340	176.6	76.6	740.00	29.4533
		13.51	103.6	1301.6	1.3	MRO-MRV 63	14110	227.5	127.5	740.00	30.9420
	16.0	16.24	86.2	1563.8	0.9	MRO-MRV 53	10150	176.6	76.6	740.00	30.7169
		16.10	87	1546.5	1.5	MRO-MRV 63	14450	227.5	127.5	740.00	35.7680
	18.0	18.02	77.7	1736.1	0.7	MRO-MRV 53	11300	176.6	76.6	740.00	27.8473
		17.87	78.4	1720.6	1.1	MRO-MRV 63	15380	227.5	127.5	740.00	26.9670
	20.0	20.53	68.2	1967.2	0.8	MRO-MRV 53	8650	176.6	76.6	740.00	29.1621
		20.36	68.8	1956.2	1.3	MRO-MRV 63	14100	227.5	127.5	740.00	31.0610
	22.4	22.66	61.8	2172.1	1.0	MRO-MRV 63	16460	227.5	127.5	740.00	24.2220
	25.0	25.48	55	2446.8	0.9	MRO-MRV 63	16820	227.5	127.5	740.00	25.3770
	28.0	27.45	51	2643.9	0.9	MRO-MRV 63	15700	227.5	127.5	740.00	22.6360
	31.5	31.85	44	3064.3	0.9	MRO-MRV 63	11540	227.5	127.5	740.00	25.5240
	35.5	33.83	41.4	3254.0	0.8	MRO-MRV 63	13920	227.5	127.5	740.00	21.3370
18.5	6.3	6.48	215.9	768.1	1.2	MRO-MRV 53	8020	196.6	76.6	1300.00	46.0154
		6.43	217.7	762.0	2.2	MRO-MRV 63	10740	247.5	127.5	1300.00	78.1860
	8.0	8.57	163.3	1017.5	1.1	MRO-MRV 53	8770	196.6	76.6	1300.00	38.9230

Riduttori RO-RV

Tabella di Riferimento Rapido Motori



Taglia	4 poli			2 poli			Flangia C / T / B	Albero D x L	G	IB	M	N	O
	kW	rpm	kg (B3)	kW	rpm	kg (B3)							
T56A T56B	0.06 0.09	1410 1340	2.5 2.6	0.09 0.14	2730 2750	2.6 3.2	B5 - 120 / 100 / 80 B14 - 80 / 65 / 50	9 x 20	2.5	20	8.5	168 125	188 145
T63A T63B	0.13 0.18	1340 1360	3.7 4.3	0.18 0.25	2770 2820	3.7 4.3	B5 - 140 / 115 / 95 B14 - 90 / 75 / 60	11 x 23	2.5	23	10	190.5 140	213.5 161
T71A T71B	0.25 0.37	1410 1370	5.8 6.2	0.37 0.55	2860 2860	5.8 6.2	B5 - 160 / 130 / 110 B14 - 105 / 85 / 70	14 x 30	3.0	30	10	218 168	248 188
T80A T80B	0.55 0.75	1430 1430	8.5 9.8	0.75 1.1	2860 2850	8.5 9.8	B5 - 200 / 165 / 130 B14 - 120 / 100 / 80	19 x 40	3.0	40	11	248	282
T90S T90L	1.1 1.5	1430 1430	12.0 13.5	1.5 2.2	2880 2850	12.0 13.5	B5 - 200 / 165 / 130 B14 - 140 / 115 / 95	24 x 50	3.5	50	10	255 280	305 330
T100A T100B	2.2 3	1430 1430	19.0 21.0	3 4	2910 2920	18.5 21.0	B5 - 250 / 215 / 180 B14 - 160 / 130 / 110	28 x 60	4.0	60	14	312	372
T112A	4	1440	29.0	5.5	2920	32.0	B5 - 250 / 215 / 180 B14 - 160 / 130 / 110	28 x 60	4.0	60	14	330	390
T132S T132M T132ML	5.5 7.5 9.2	1460 1460 1460	43 52 54	7.5 11 15	2920 2940 2940	48 54 58	B5 - 300 / 265 / 230 B14 - 200 / 165 / 130	38 x 80	4.0	80	20	380.5 418.5	460.5 498.5
T160M T160L	11 15	1470 1480	90 100	--- 18.5	--- 2960	--- 99	B5 - 350 / 300 / 250 B14 - 250 / 215 / 180	42 x 110	5.0	110	20	491 535	601 645
T180M T180L	18.5 22	1470 1480	120 135	22 ---	2940 ---	110 ---	B% - 350 / 300 / 250	48 x 110	5.0	110	20	610	720

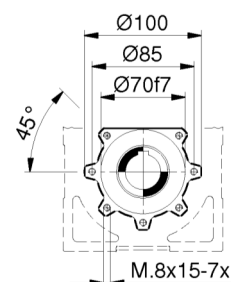
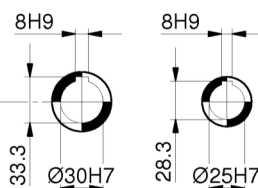
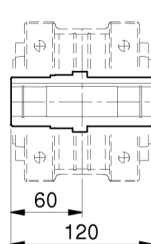
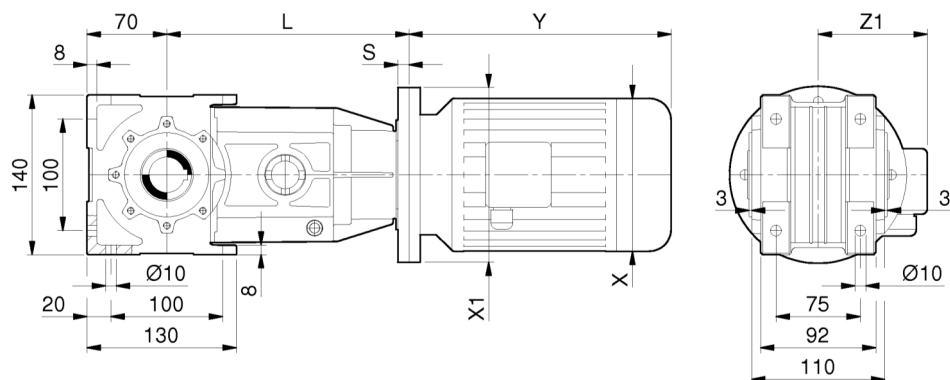
Dimensioni e pesi non impegnativi

RO-RV Riduttori

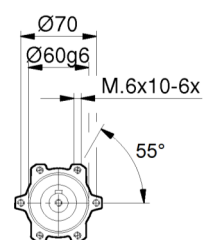
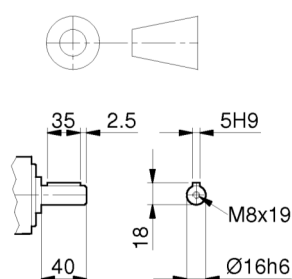
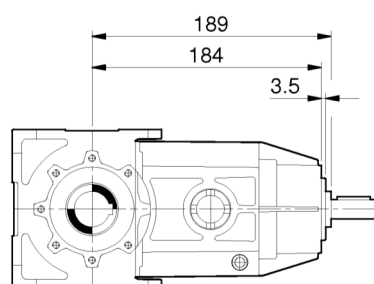
RO13

Dimensioni

**MRO
FRO**



RO



IEC	56	63	71	80	90 S	90 L	
X / Y / Z1	110/168/108	123/185/110	140/220/121	159/238/138	176/255/149	176/280/149	
X1 (B5) / S	120/13	140/13	160/13.5	200/13.5	---	---	
X1 (B14) / S	---	90/13	105/18.5	120/13.5	140/13.5	140/13.5	
L (RO13)	197	197	197.5 (202.5)	197.5	197.5	197.5	

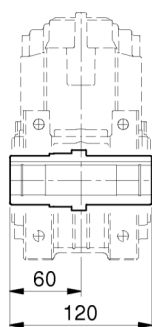
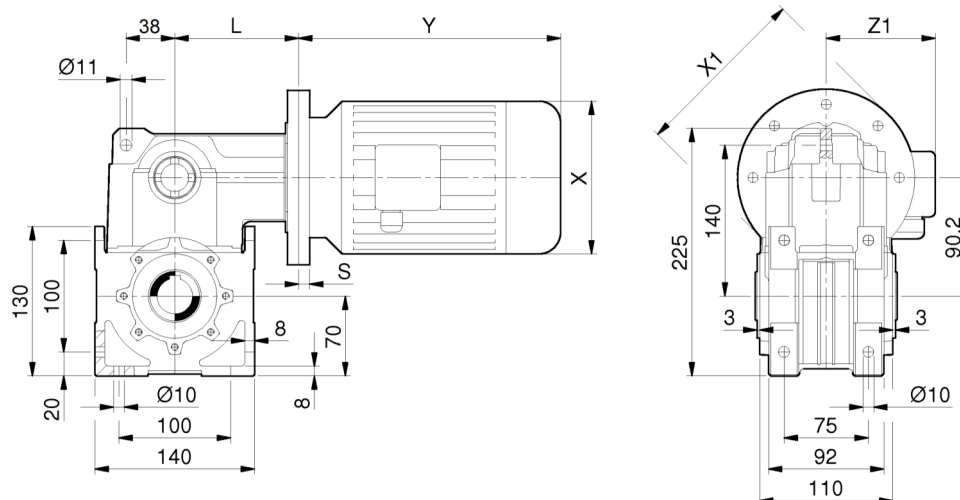
Dimensioni e pesi non impegnativi

RV13

Riduttori RO-RV

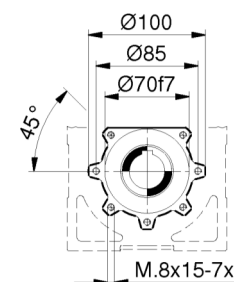
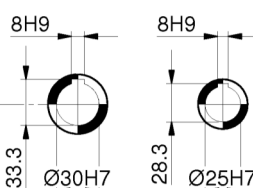
Dimensioni

**MRV
FRV**

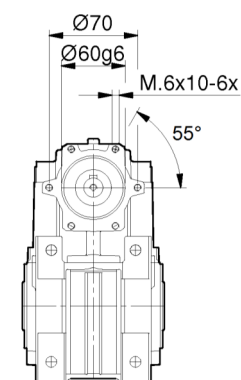
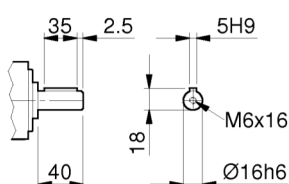
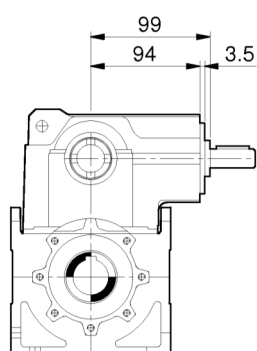


AC30

AC25

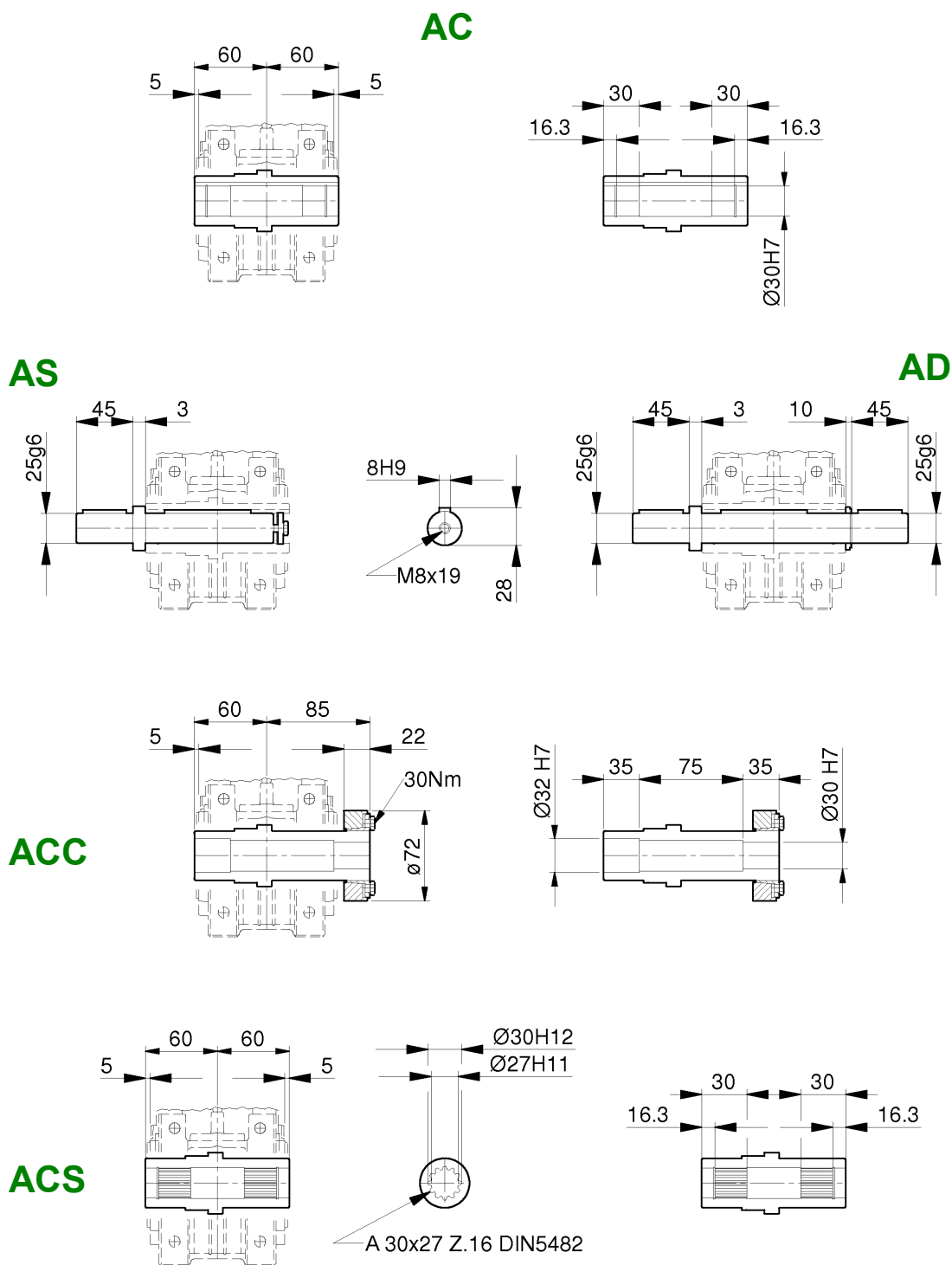


RV



IEC	56	63	71	80	90 S	90 L	
X / Y / Z1	110/168/108	123/185/110	140/220/121	159/238/138	176/255/149	176/280/149	
X1 (B5) / S	120/13	140/13	160/13.5	200/13.5	---	---	
X1 (B14) / S	---	90/13	105/18.5	120/13.5	140/13.5	140/13.5	
L (RV13)	107	107	107.5 (112.5)	107.5	107.5	107.5	

Dimensioni e pesi non impegnativi

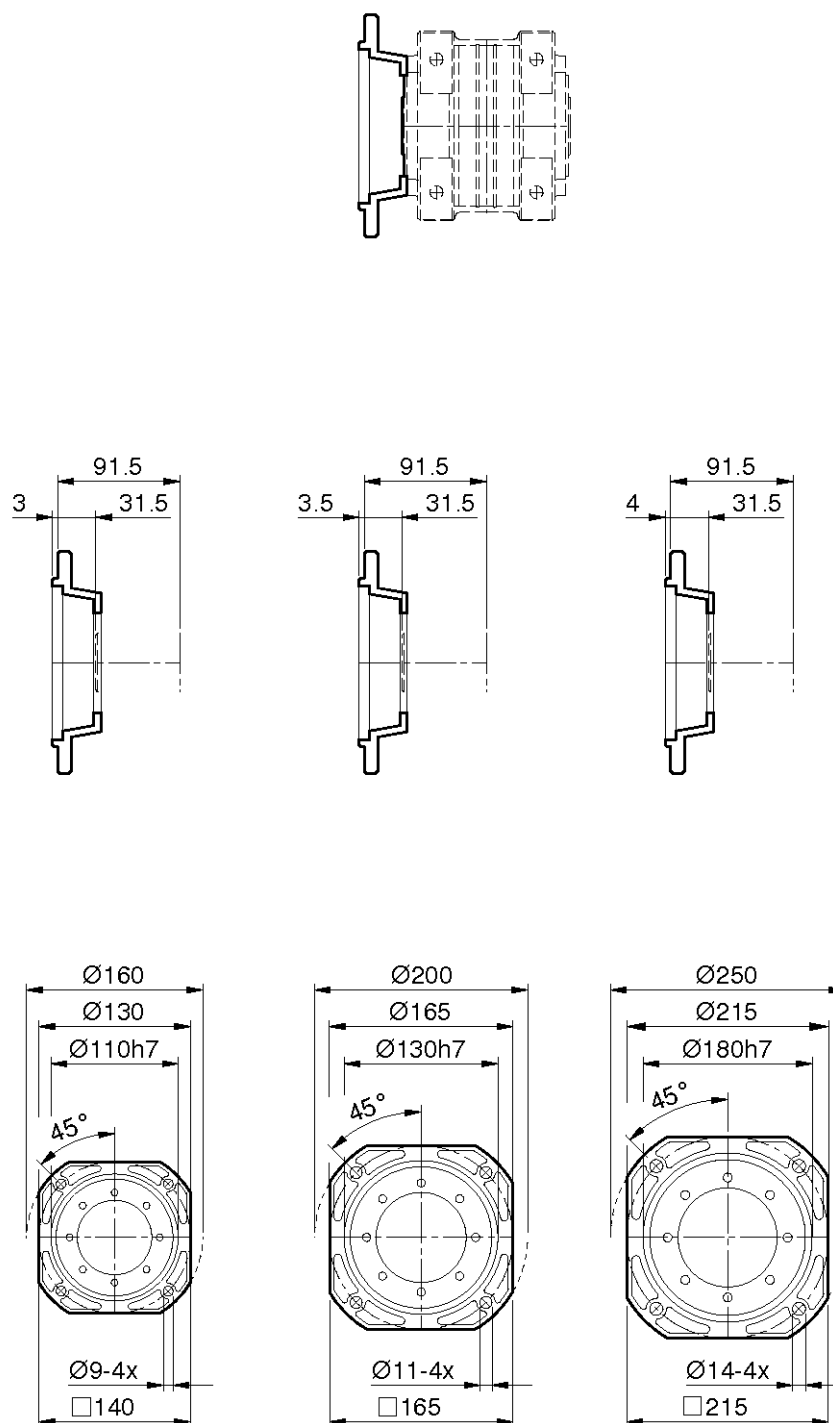


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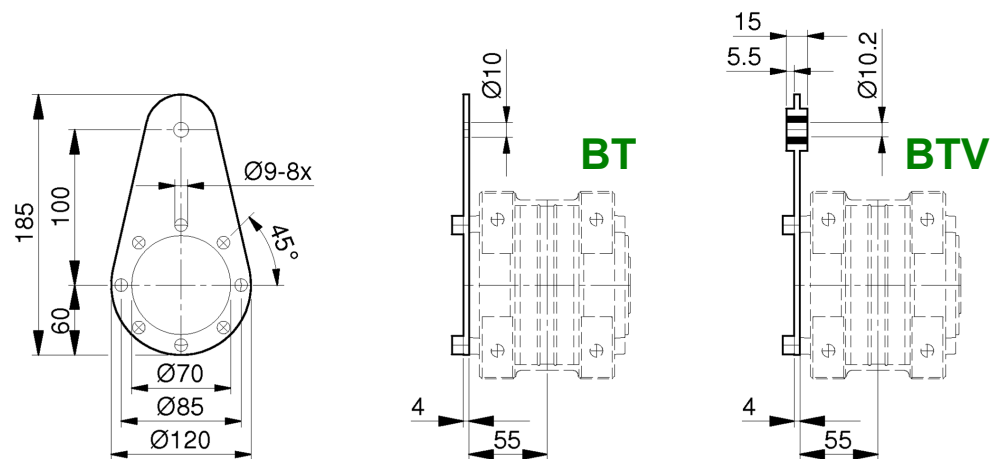
RO13-RV13

Riduttori RO-RV

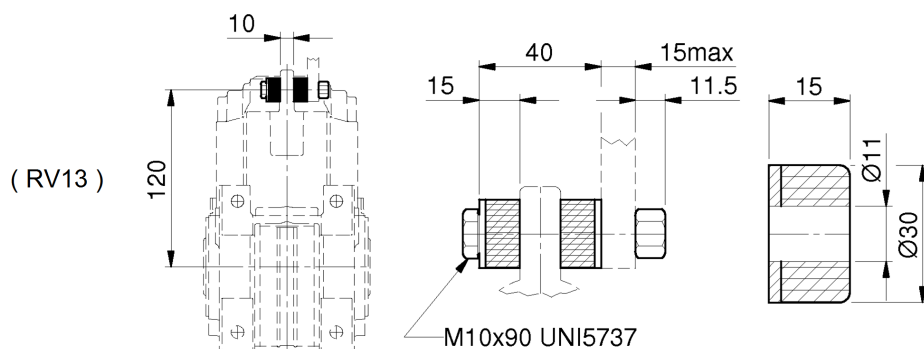
Dimensioni



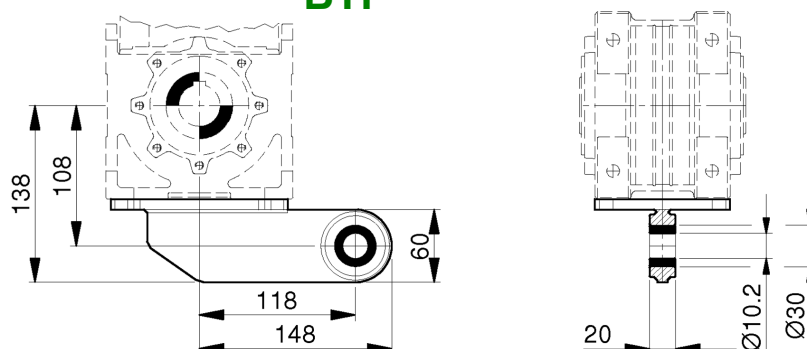
Dimensioni e pesi non impegnativi



BTA



BTF

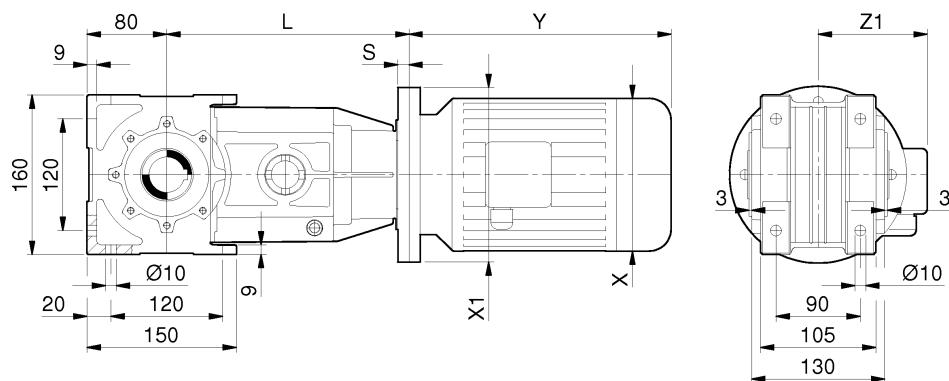


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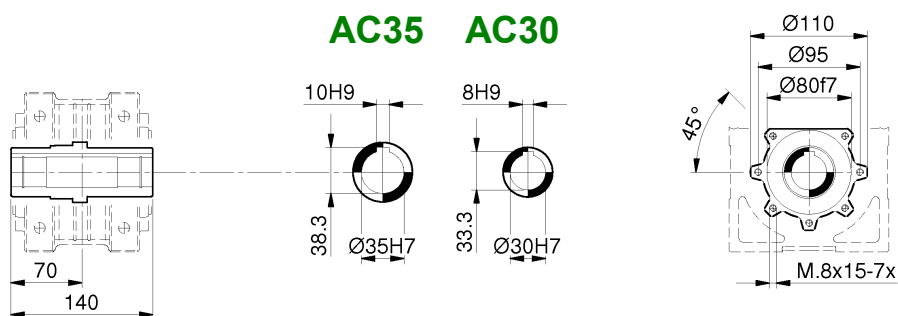
Riduttori RO-RV

Dimensioni

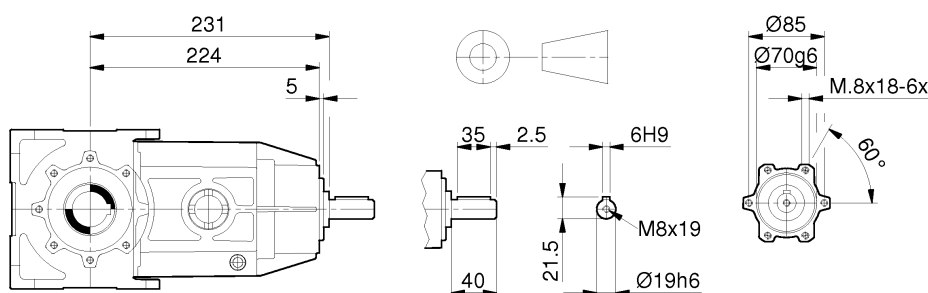
**MRO
FRO**



AC35 AC30



RO



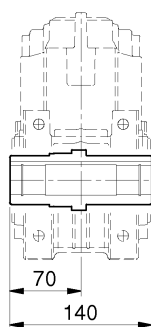
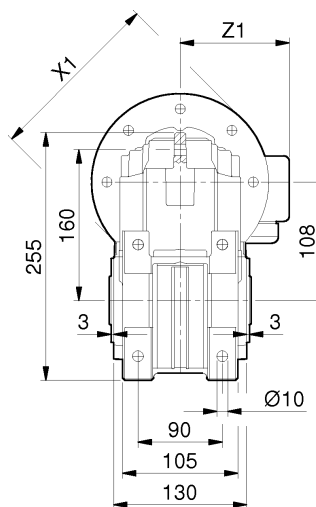
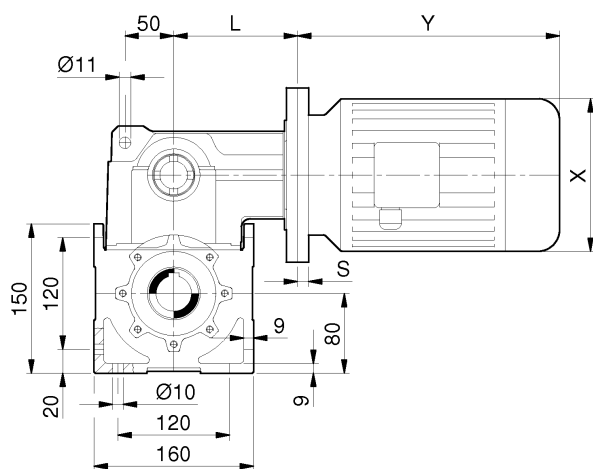
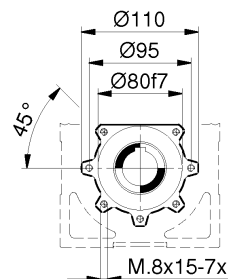
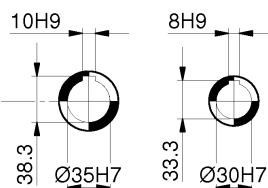
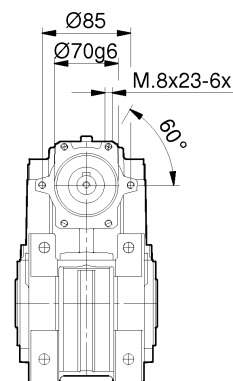
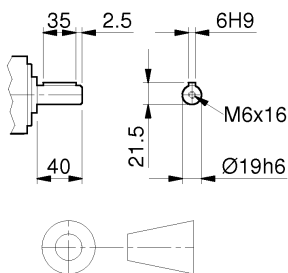
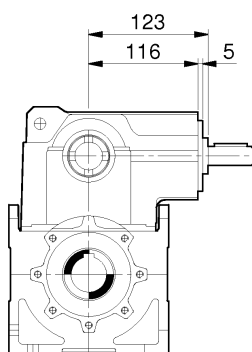
IEC	71	80	90 S	90 L	100	112	
X / Y / Z1	140/220/121	159/238/138	176/255/149	176/280/149	195/314/160	219/328/172	
X1 (B5) / S	160/15.5	200/15.5	200/15.5	200/15.5	250/16.5	250/16.5	
X1 (B14) / S	105/15.5	120/17.5	140/17.5	140/17.5	160/15.5	160/15.5	
L (RO23)	239.5	239.5 (241.5)	239.5 (241.5)	239.5 (241.5)	240.5 (239.5)	240.5 (239.5)	

Dimensioni e pesi non impegnativi

RO-RV Riduttori

RV23

Dimensioni

**MRV
FRV**

AC35 AC30

RV


IEC	71	80	90 S	90 L	100	112	
X / Y / Z1	140/220/121	159/238/138	176/255/149	176/280/149	195/314/160	219/328/172	
X1 (B5) / S	160/15.5	200/15.5	200/15.5	200/15.5	250/16.5	250/16.5	
X1 (B14) / S	105/15.5	120/17.5	140/17.5	140/17.5	160/15.5	160/15.5	
L (RV23)	131.5	131.5 (133.5)	131.5 (133.5)	131.5 (133.5)	132.5 (131.5)	132.5 (131.5)	

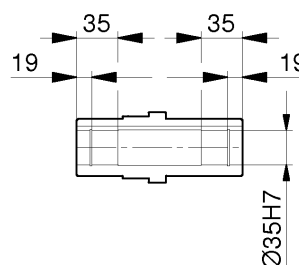
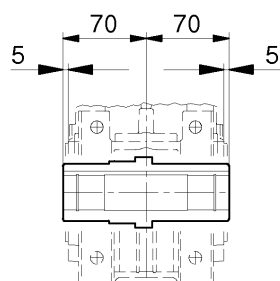
Dimensioni e pesi non impegnativi

RO23-RV23

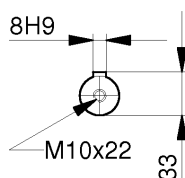
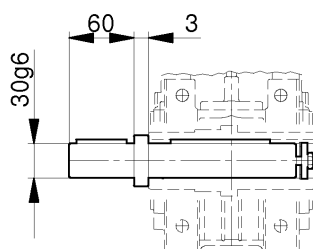
Riduttori RO-RV

Dimensioni

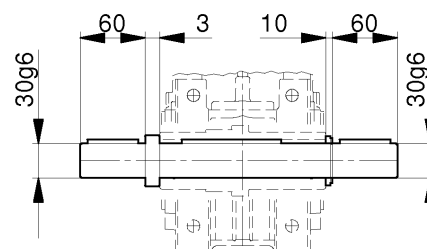
AC



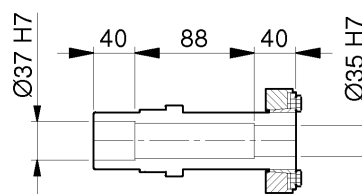
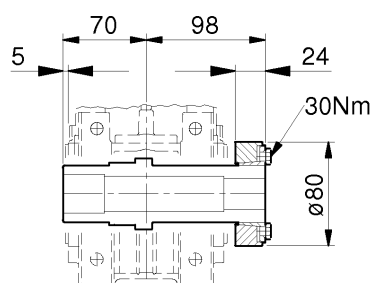
AS



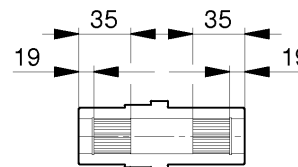
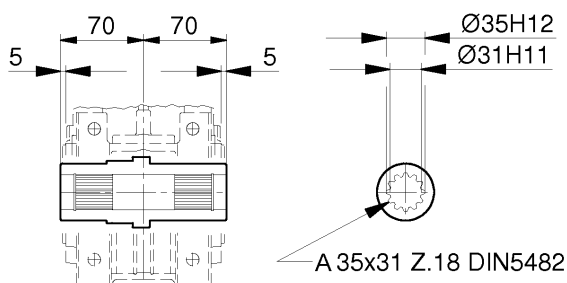
AD



ACC



ACS



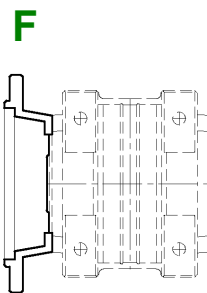
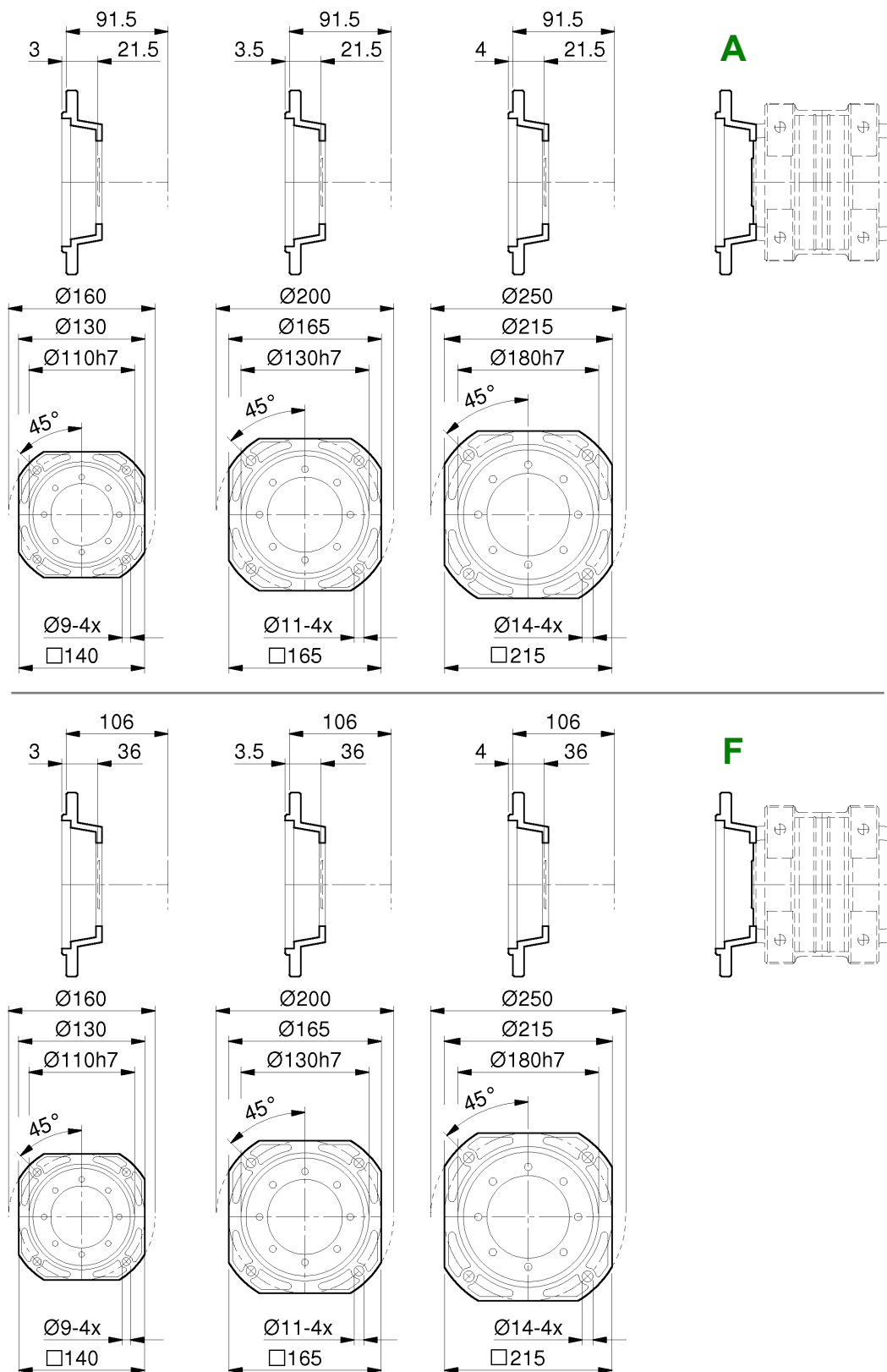
- Dimensioni del perno macchina: pagine 84-86

Dimensioni e pesi non impegnativi

RO-RV Riduttori

RO23-RV23

Dimensioni

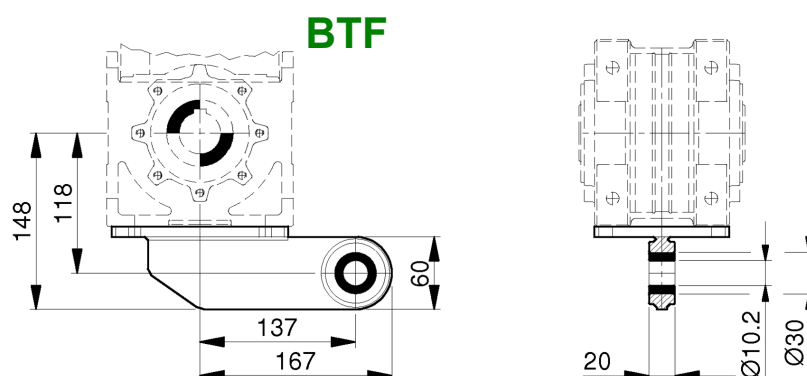
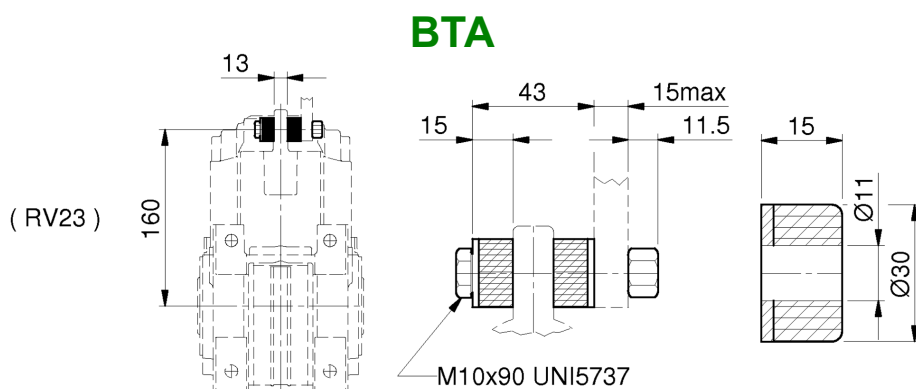
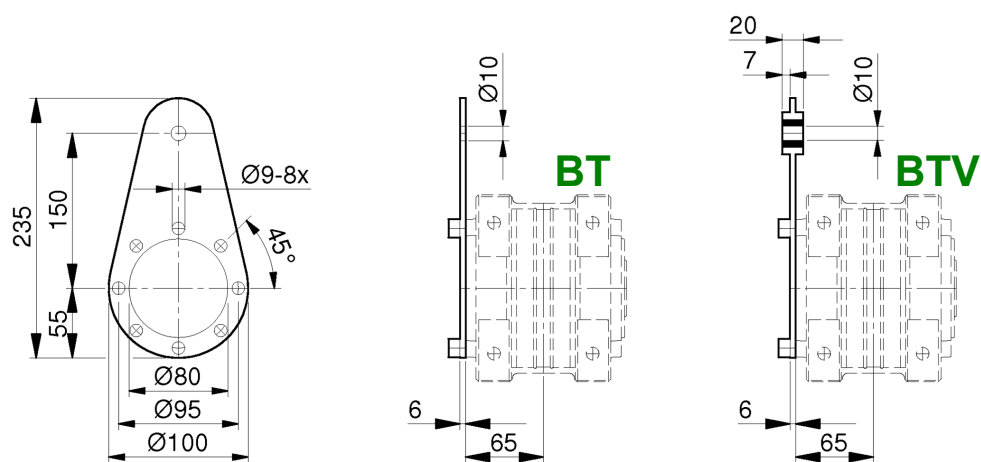


Dimensioni e pesi non impegnativi

RO23-RV23

Riduttori RO-RV

Dimensioni

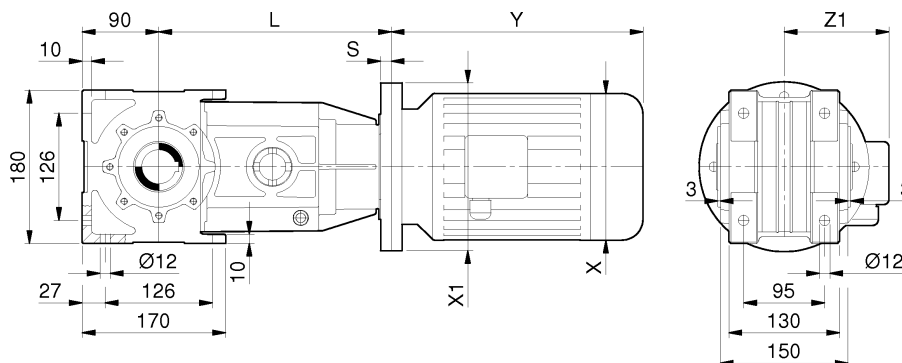
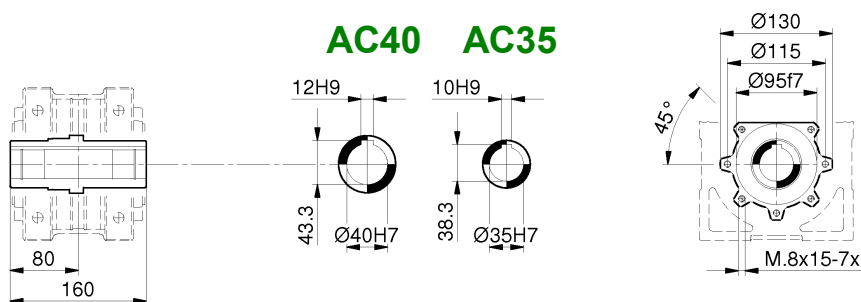
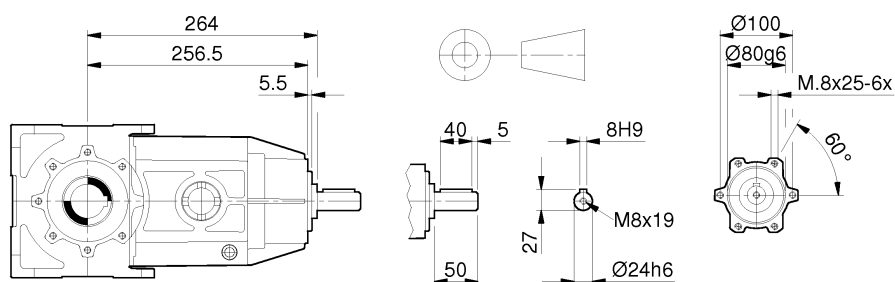


Dimensioni e pesi non impegnativi

RO-RV Riduttori

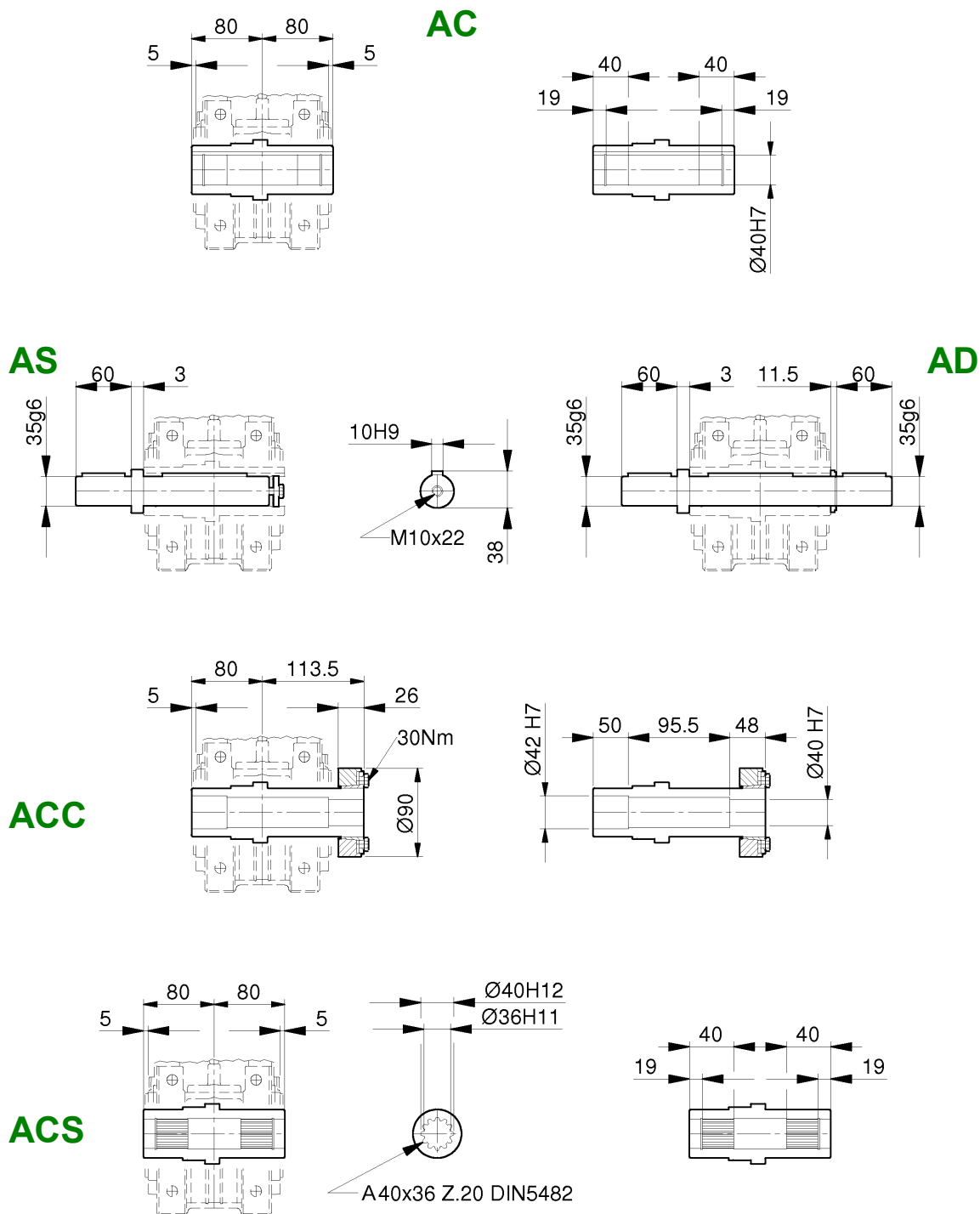
RO33

Dimensioni

**MRO
FRO**

AC40 AC35

RO


IEC	71	80	90 S	90 L	100	112	
X / Y / Z1	140/220/121	159/238/138	176/255/149	176/280/149	195/314/160	219/328/172	
X1 (B5) / S	160/15,5	200/15,5	200/18,5	200/18,5	250/16,5	250/16,5	
X1 (B14) / S	---	120/15,5	140/15,5	140/15,5	160/15,5	160/15,5	
L (RO33)	272	272	275 (272)	275 (272)	273 (272)	273 (272)	

Dimensioni e pesi non impegnativi

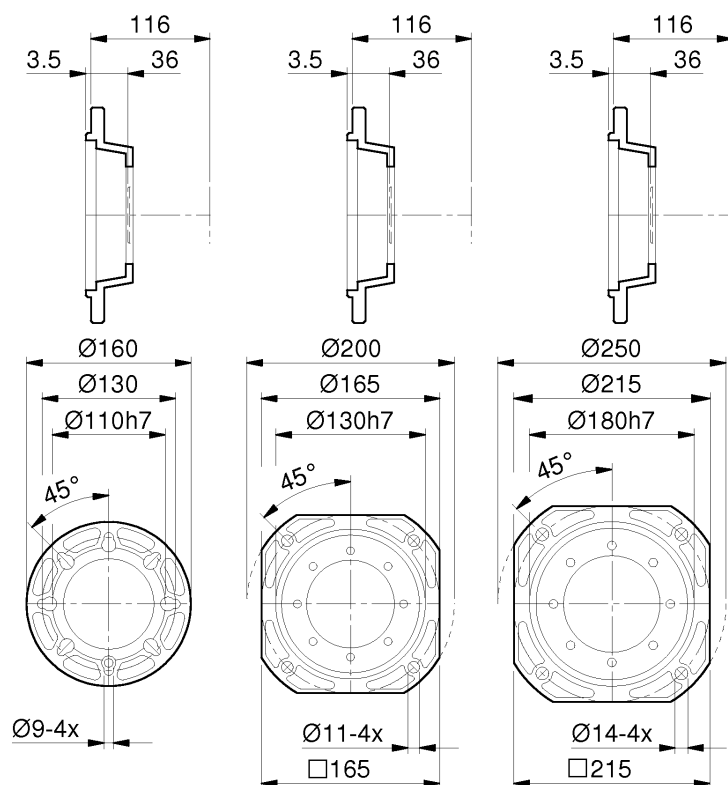


- Dimensioni del perno macchina: pagine 84-86

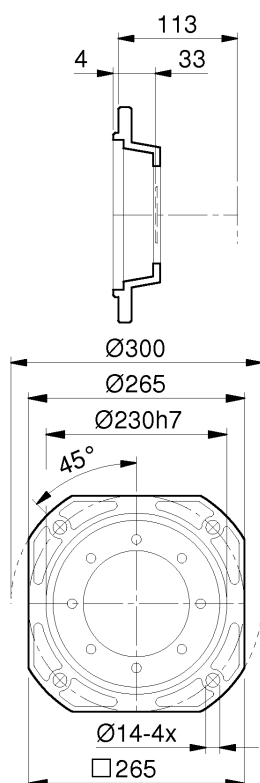
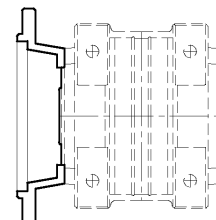
RO33-RV33

Riduttori RO-RV

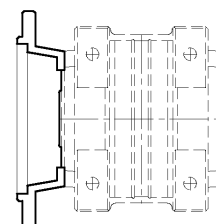
Dimensioni



A



F



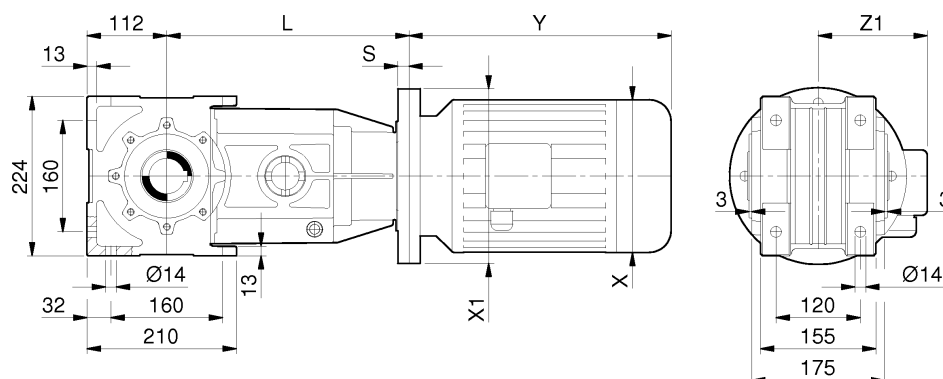
Dimensioni e pesi non impegnativi

RO43

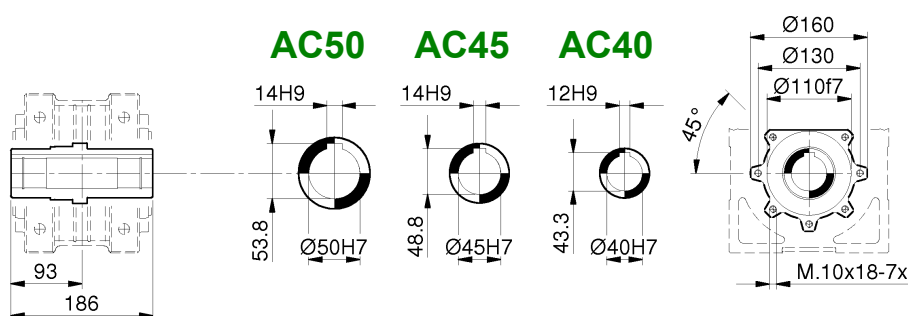
Riduttori RO-RV

Dimensioni

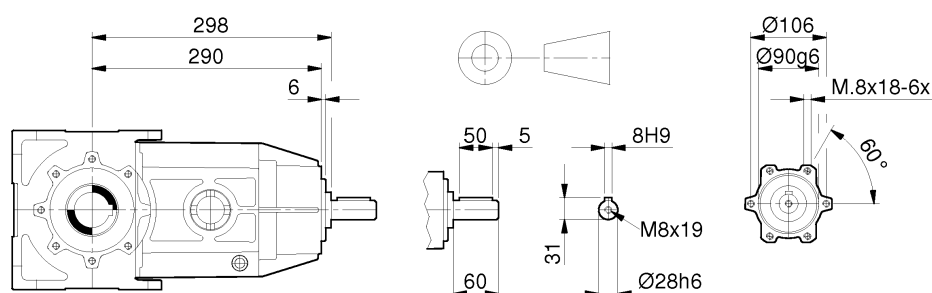
**MRO
FRO**



AC50 AC45 AC40



RO



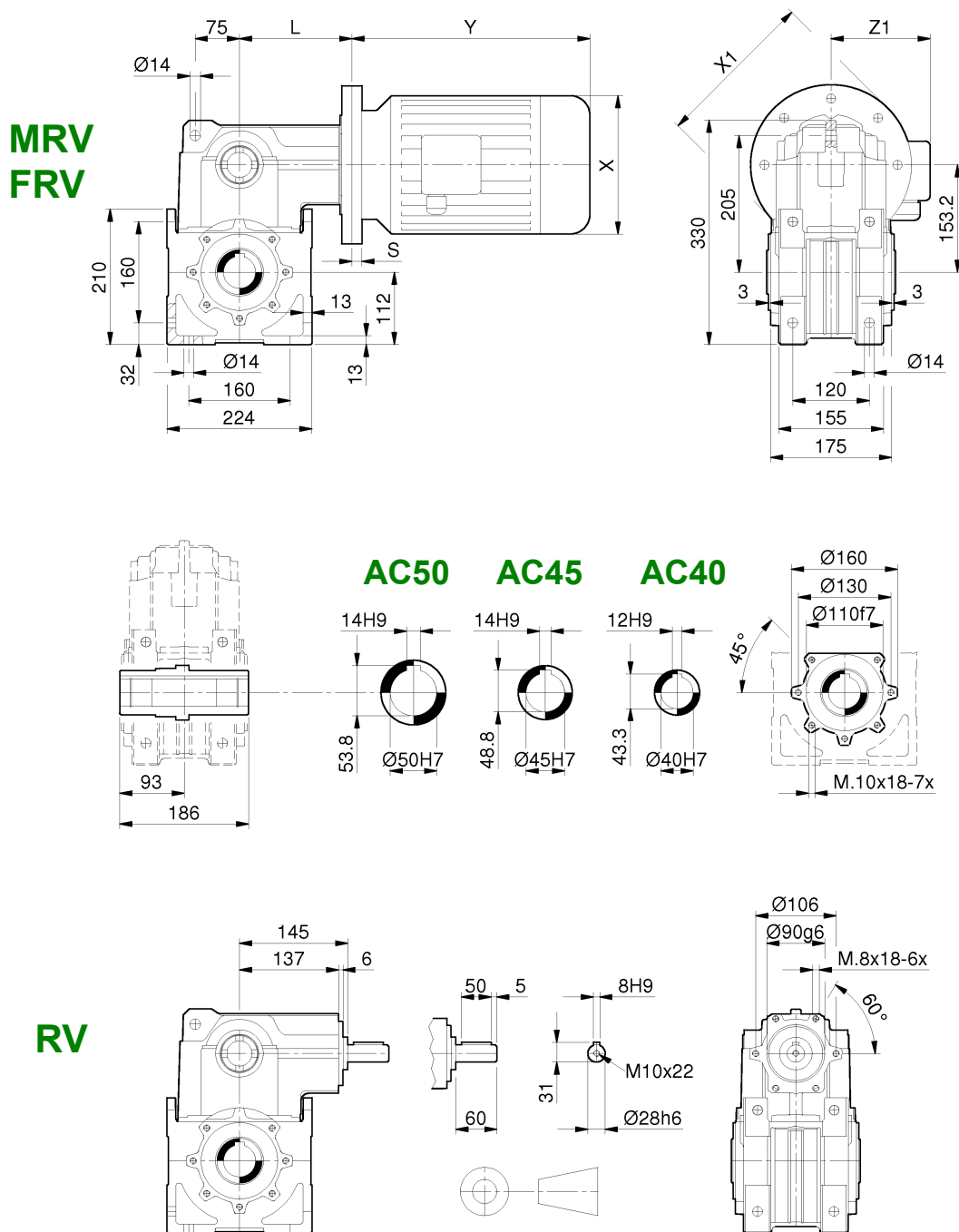
IEC	71	80	90 S	90 L	100	112	
X / Y / Z1	140/220/121	159/238/138	176/255/149	176/280/149	195/314/160	219/328/172	
X1 (B5) / S	160/18	200/18	200/18	200/18	250/18.5	250/18.5	
X1 (B14) / S	---	---	---	---	160/18	160/18	
L (RO43)	308	308	308 (310)	308 (310)	308.5 (308)	308.5 (308)	

Dimensioni e pesi non impegnativi

RO-RV Riduttori

RV43

Dimensioni



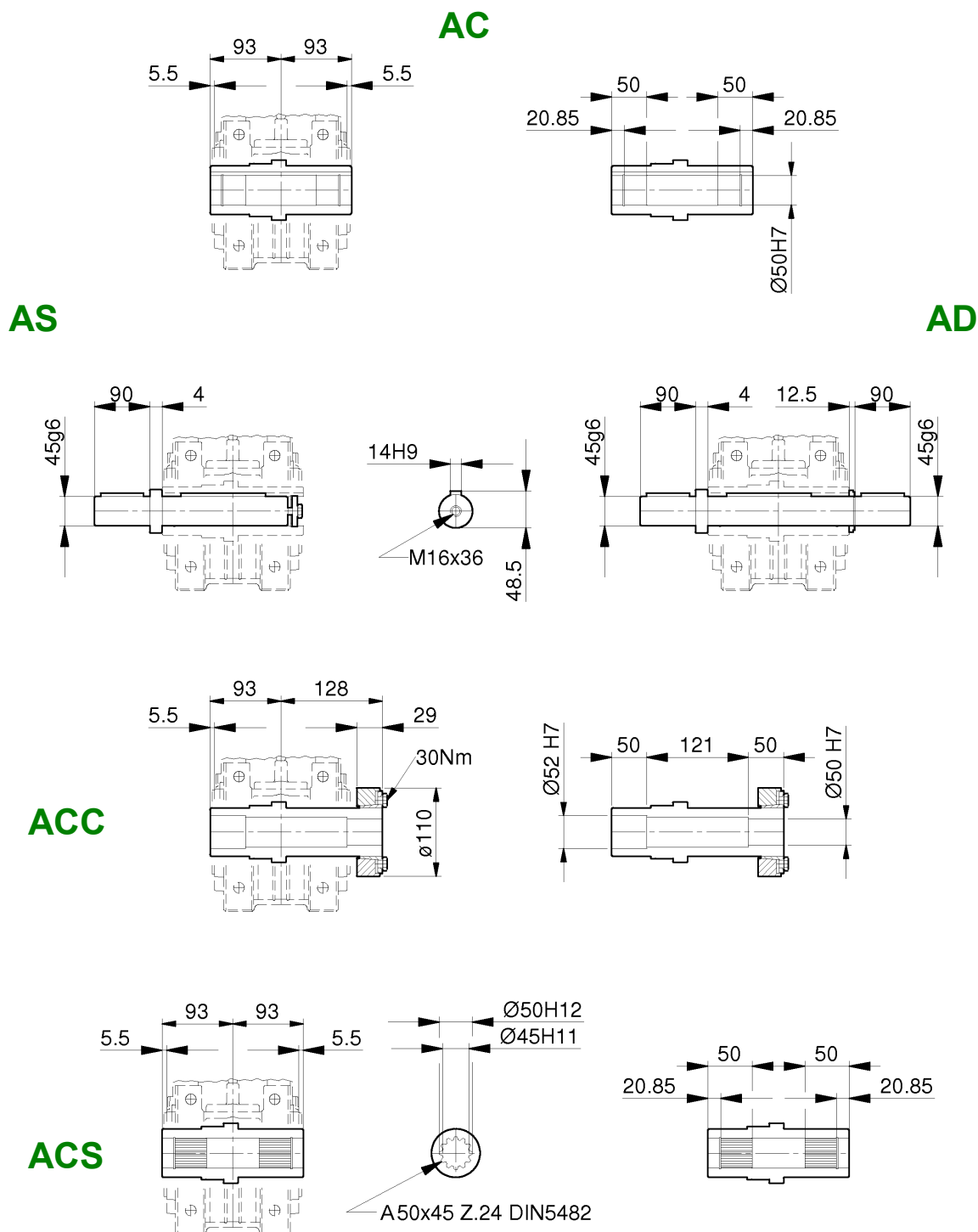
IEC	71	80	90 S	90 L	100	112	
X / Y / Z1	140/220/121	159/238/138	176/255/149	176/280/149	195/314/160	219/328/172	
X1 (B5) / S	160/18	200/18	200/18	200/18	250/18.5	250/18.5	
X1 (B14) / S	---	---	---	---	160/18	160/18	
L (RV43)	155	155	155 (157)	155 (157)	155.5 (155)	155.5 (155)	

Dimensioni e pesi non impegnativi

RO43-RV43

Riduttori RO-RV

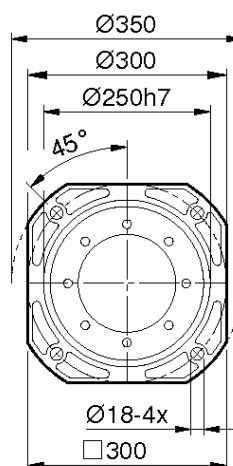
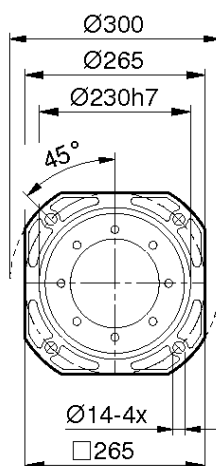
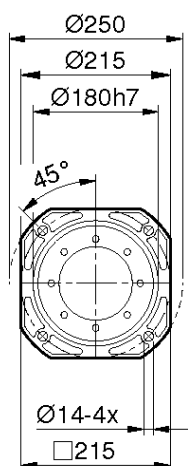
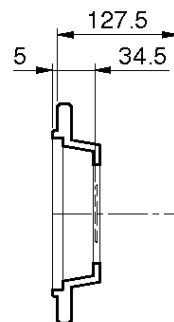
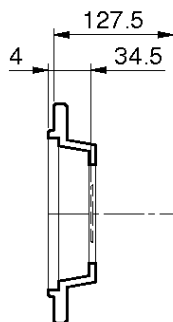
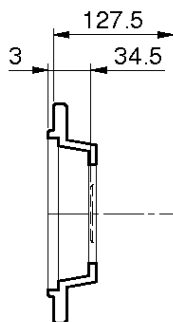
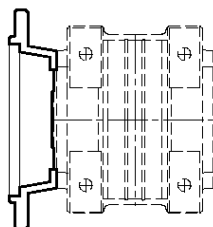
Dimensioni



- Dimensioni del perno macchina: pagine 84-86

Dimensioni e pesi non impegnativi

Dimensioni

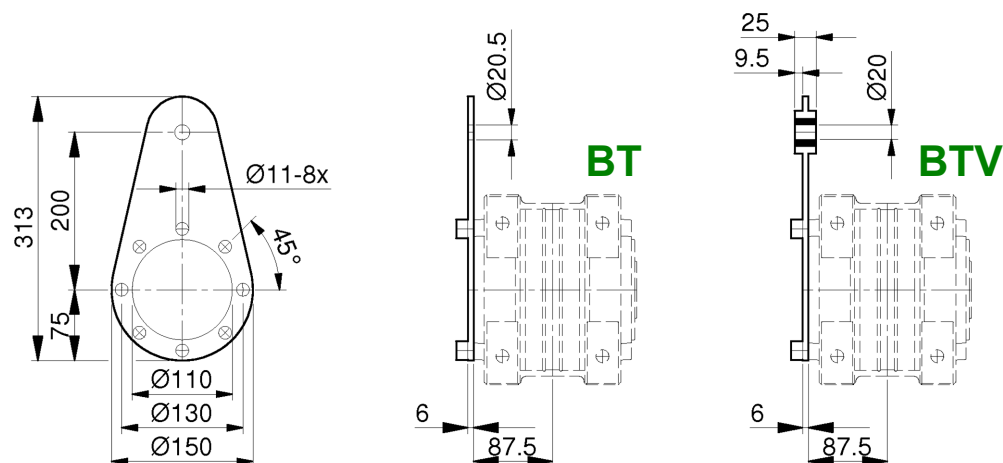


Dimensioni e pesi non impegnativi

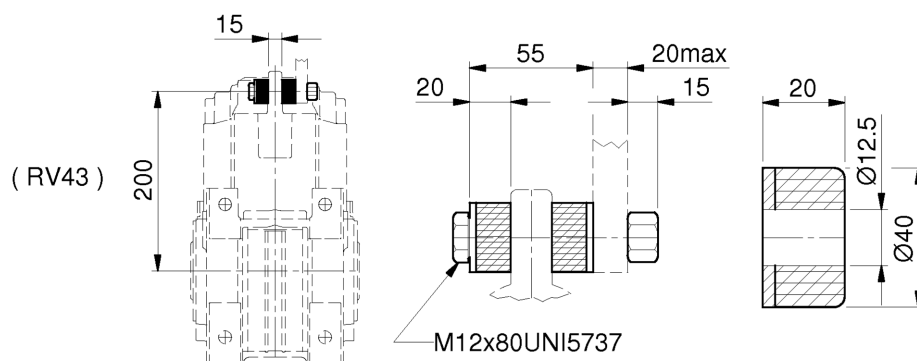
RO43-RV43

Riduttori RO-RV

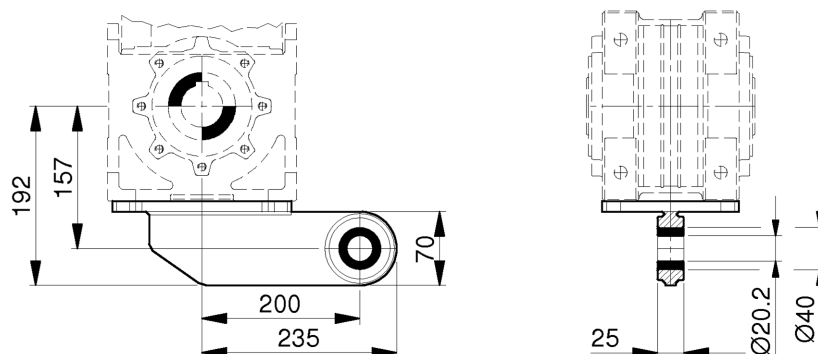
Dimensioni



BTA



BTF



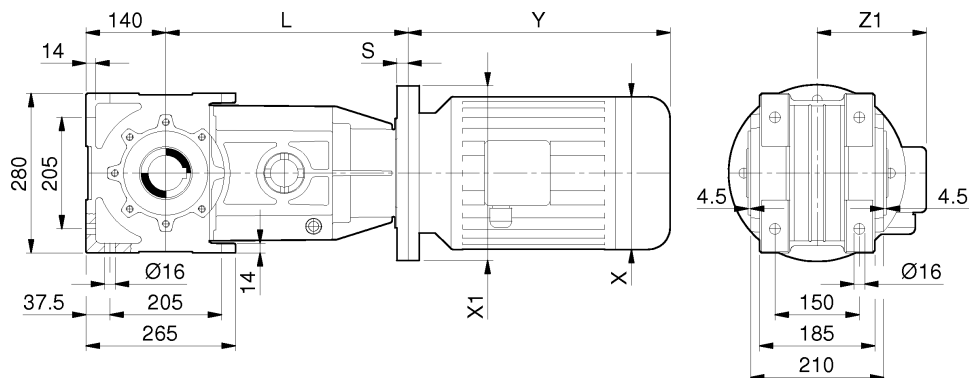
Dimensioni e pesi non impegnativi

RO-RV Riduttori

RO53

Dimensioni

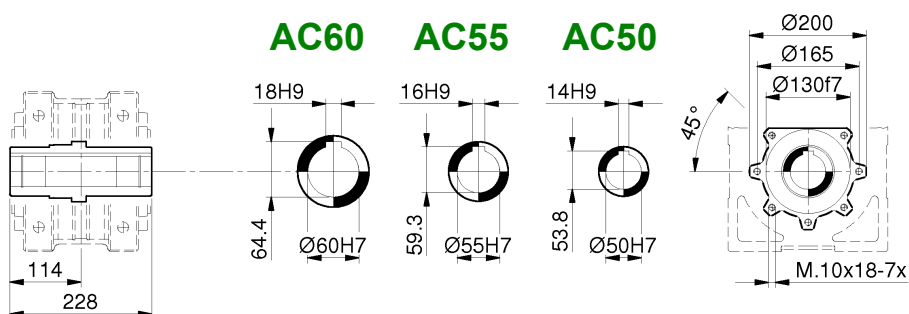
**MRO
FRO**



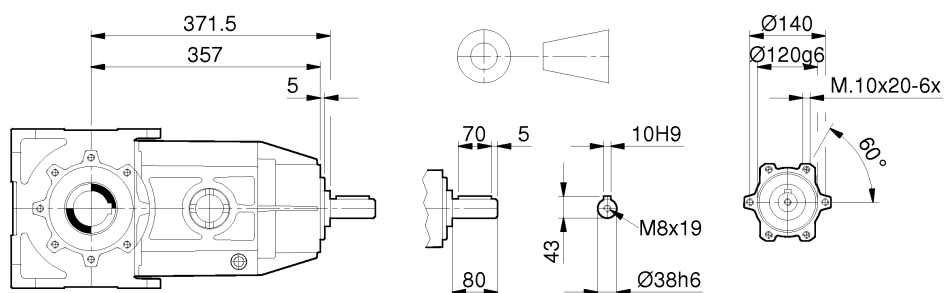
AC60

AC55

AC50



RO



IEC	80	90 S / L	100	112	132 S / M	160	180
X / Y / Z1	159/238/138	176/255-280/149	195/314/160	219/328/172	258/368-410/192	310/486/235	320/580/245
X1 (B5) / S	200/22	200/22	250/22	250/22	300/22	350/35	350/35
X1 (B14) / S	---	---	---	---	200/22	250/22	300/22
L (RO53)	379	379	379	379	379	392 (379)	392 (379)

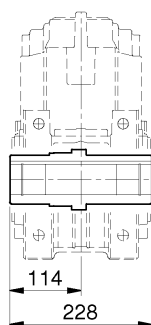
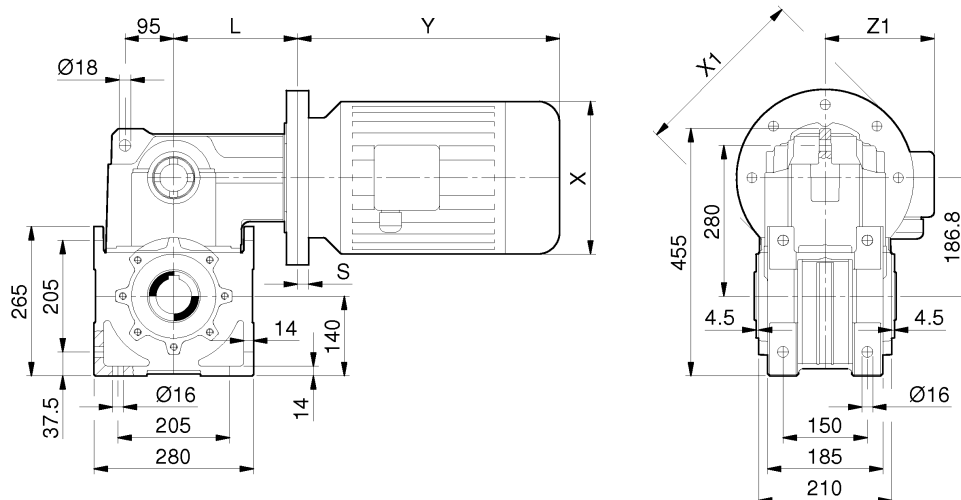
Dimensioni e pesi non impegnativi

RV53

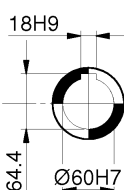
Riduttori RO-RV

Dimensioni

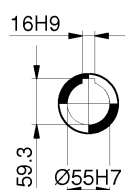
**MRV
FRV**



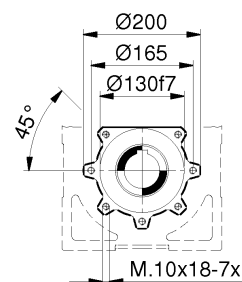
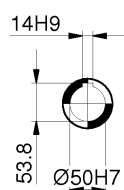
AC60



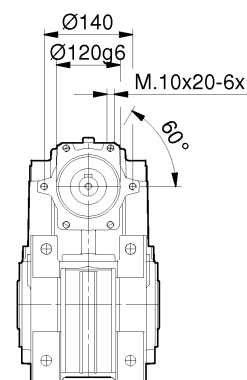
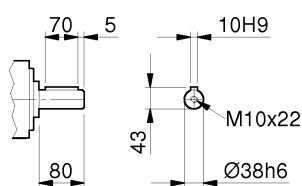
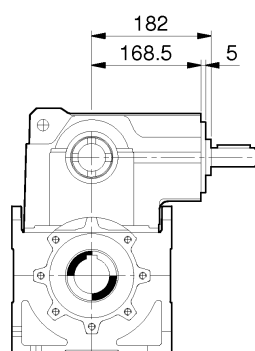
AC55



AC50

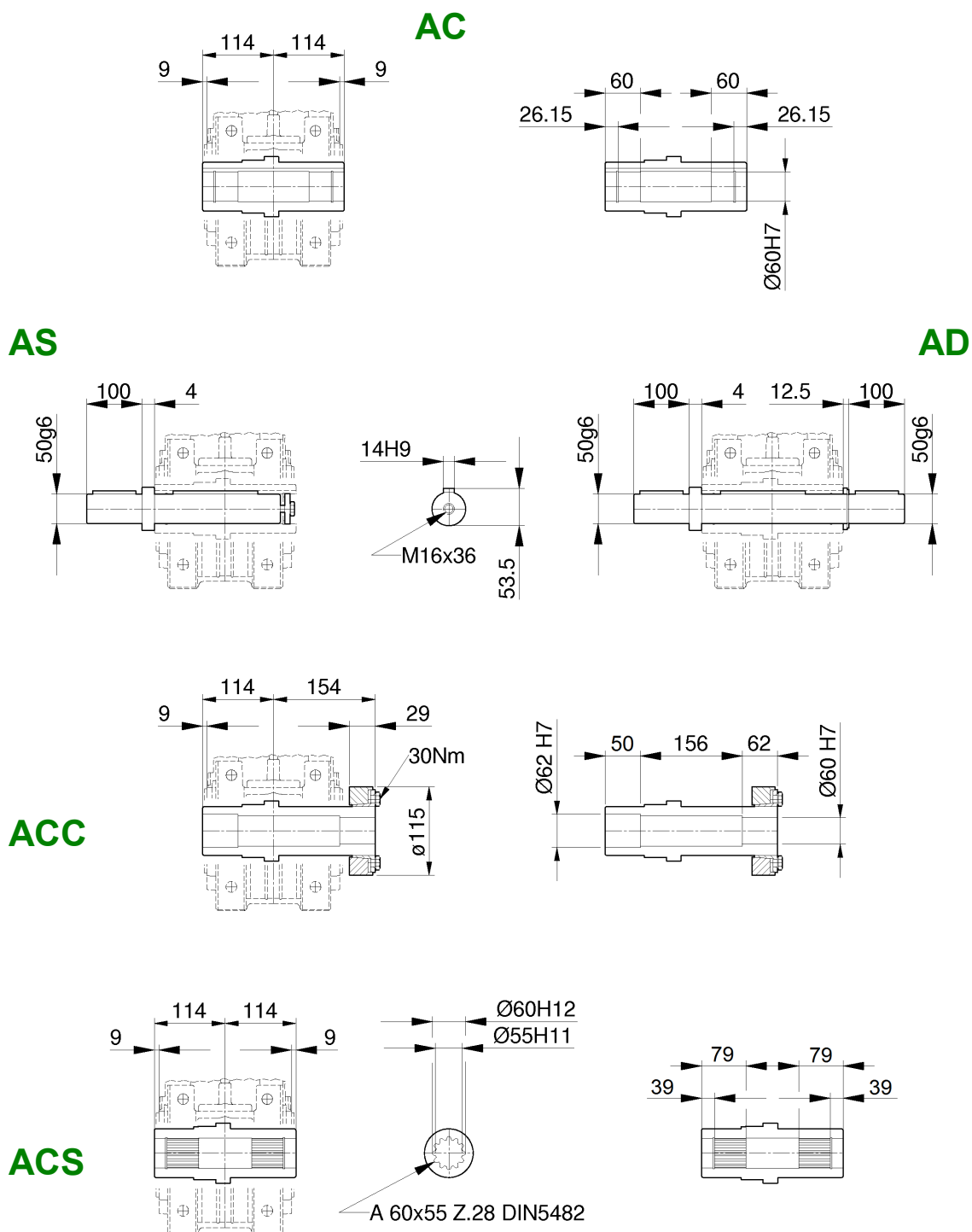


RV



IEC	80	90 S / L	100	112	132 S / M	160	180
X / Y / Z1	159/238/138	176/255-280/149	195/314/160	219/328/172	258/368-410/192	310/486/235	320/580/245
X1 (B5) / S	200/22	200/22	250/22	250/22	300/22	350/35	350/35
X1 (B14) / S	---	---	---	---	200/22	250/22	300/22
L (RV53)	190.5	190.5	190.5	190.5	190.5	203.5 (190.5)	203.5 (190.5)

Dimensioni e pesi non impegnativi

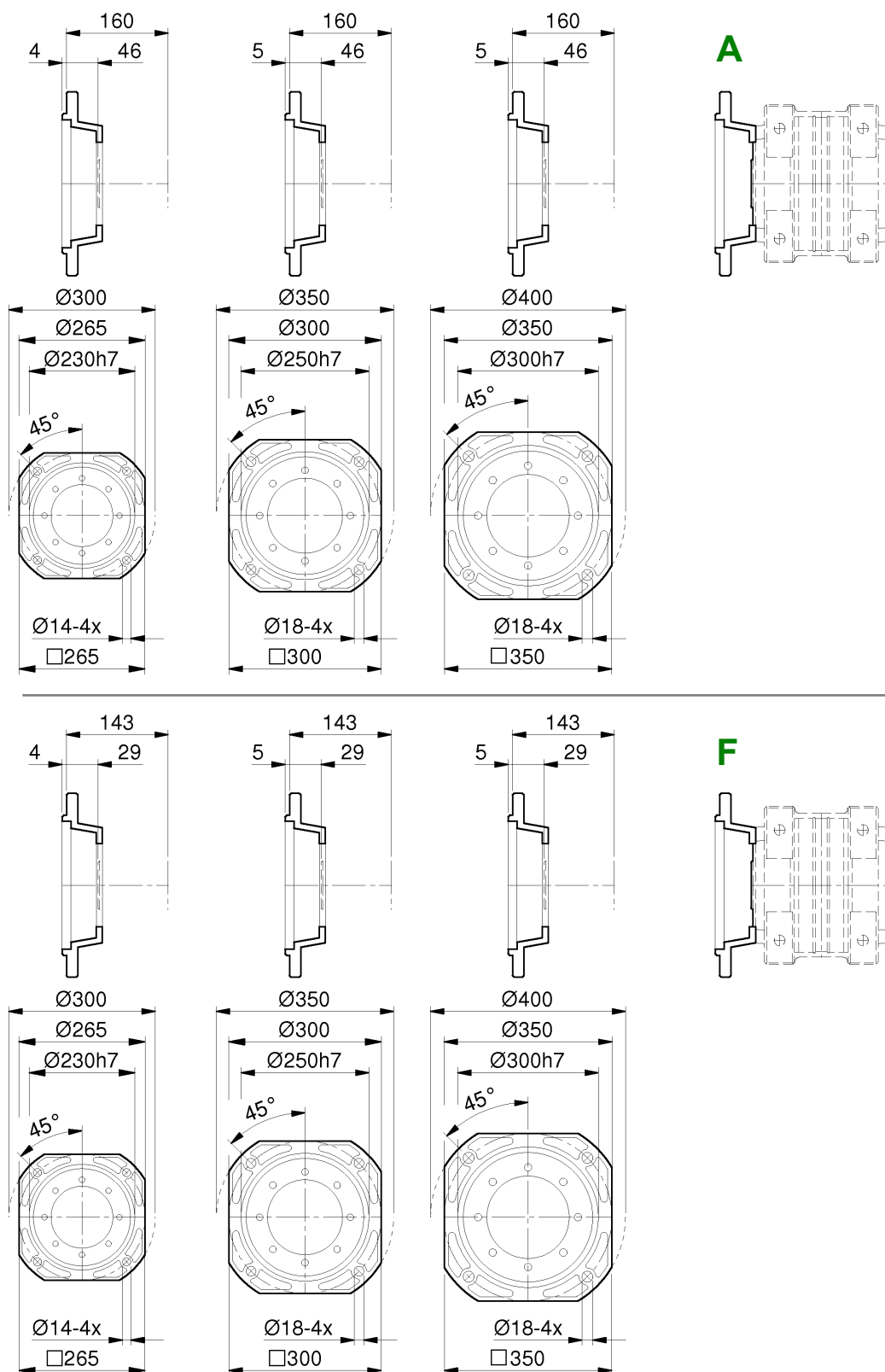


- Dimensioni del perno macchina: pagine 84-86

RO53-RV53

Riduttori RO-RV

Dimensioni

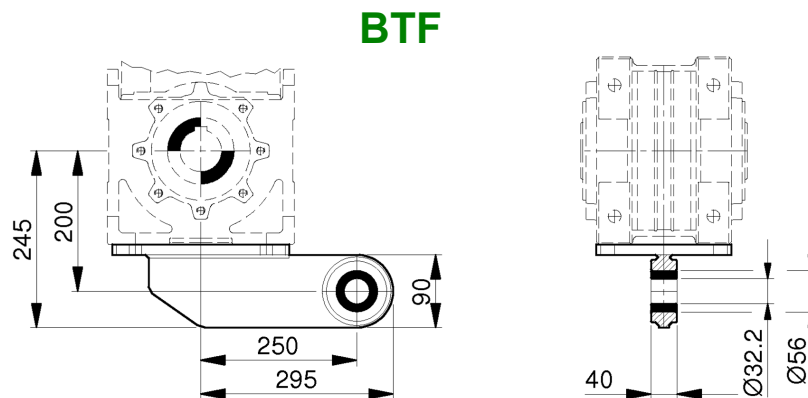
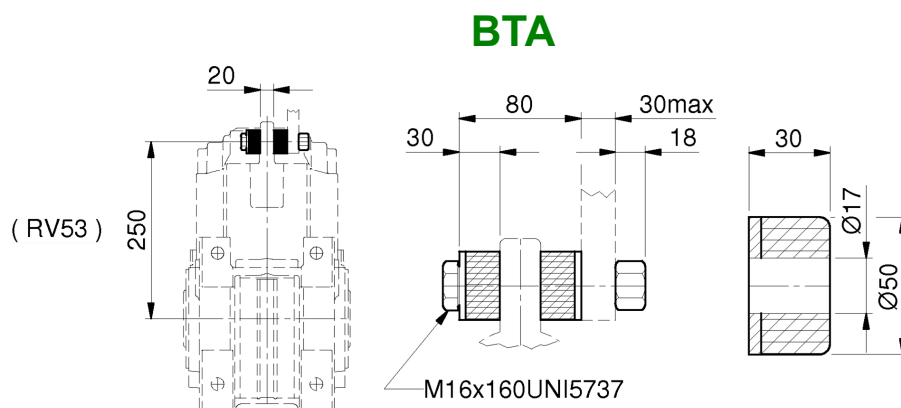
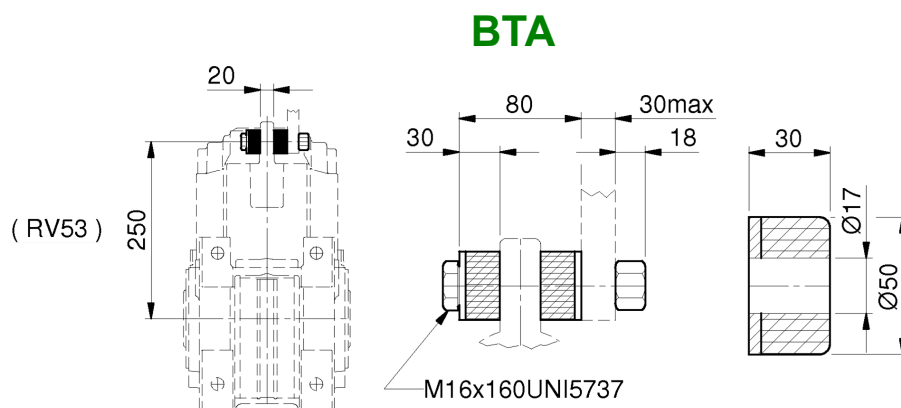
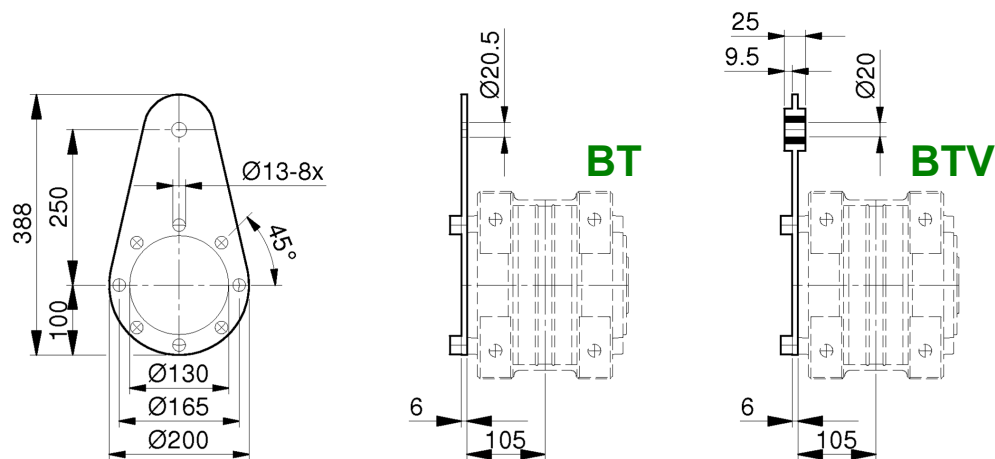


Dimensioni e pesi non impegnativi

RO-RV Riduttori

RO53-RV53

Dimensioni



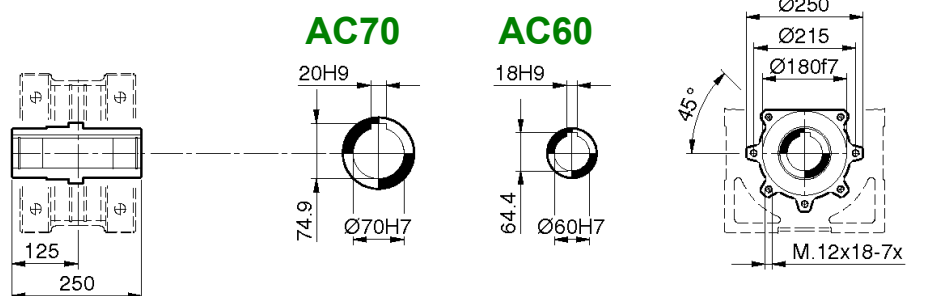
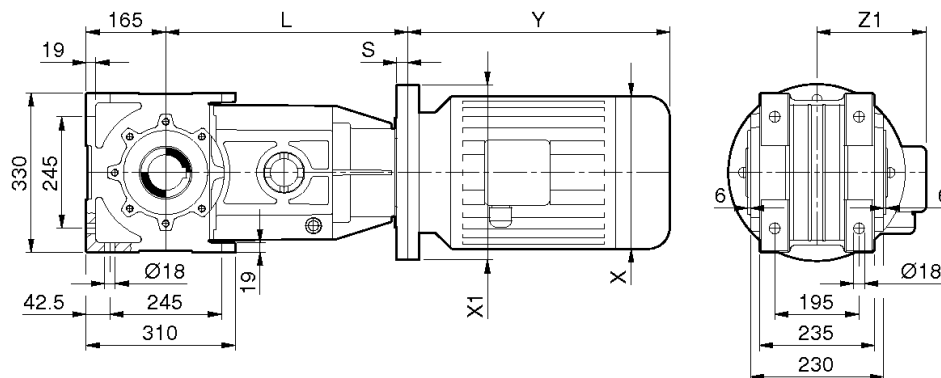
Dimensioni e pesi non impegnativi

RO63

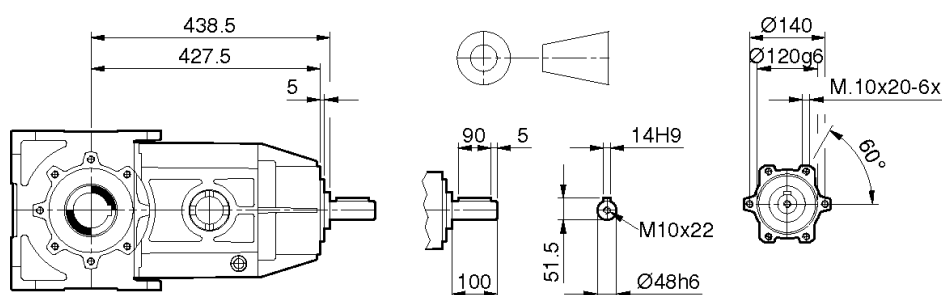
Riduttori RO-RV

Dimensioni

**MRO
FRO**



RO



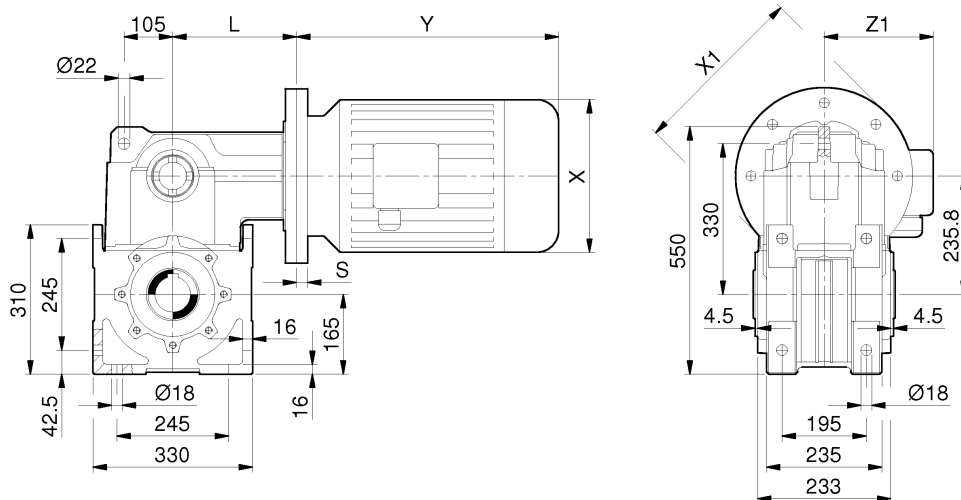
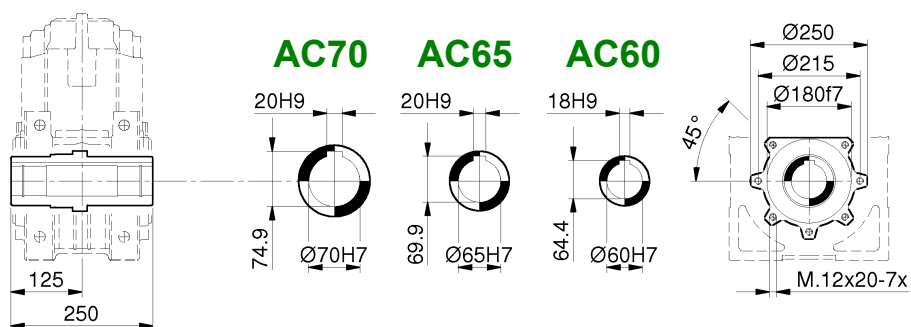
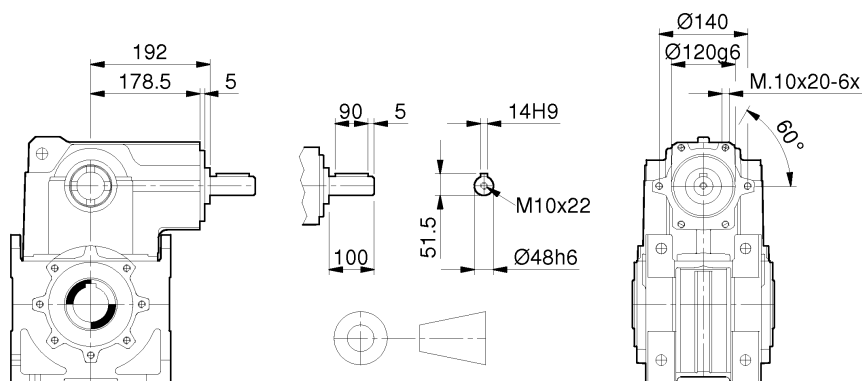
IEC	80	90 S / L	100	112	132 S / M	160	180
X / Y / Z1	159/238/138	176/255-280/149	195/314/160	219/328/172	258/368-410/192	310/486/235	320/580/245
X1 (B5) / S	200/22	200/22	250/22	250/22	300/22	350/35	350/35
X1 (B14) / S	---	---	---	---	200/22	250/22	300/22
L (RO63)	449.5	449.5	449.5	449.5	449.5	462.5	462.5

Dimensioni e pesi non impegnativi

RO-RV Riduttori

RV63

Dimensioni

**MRV
FRV**

AC70
AC65
AC60

RV


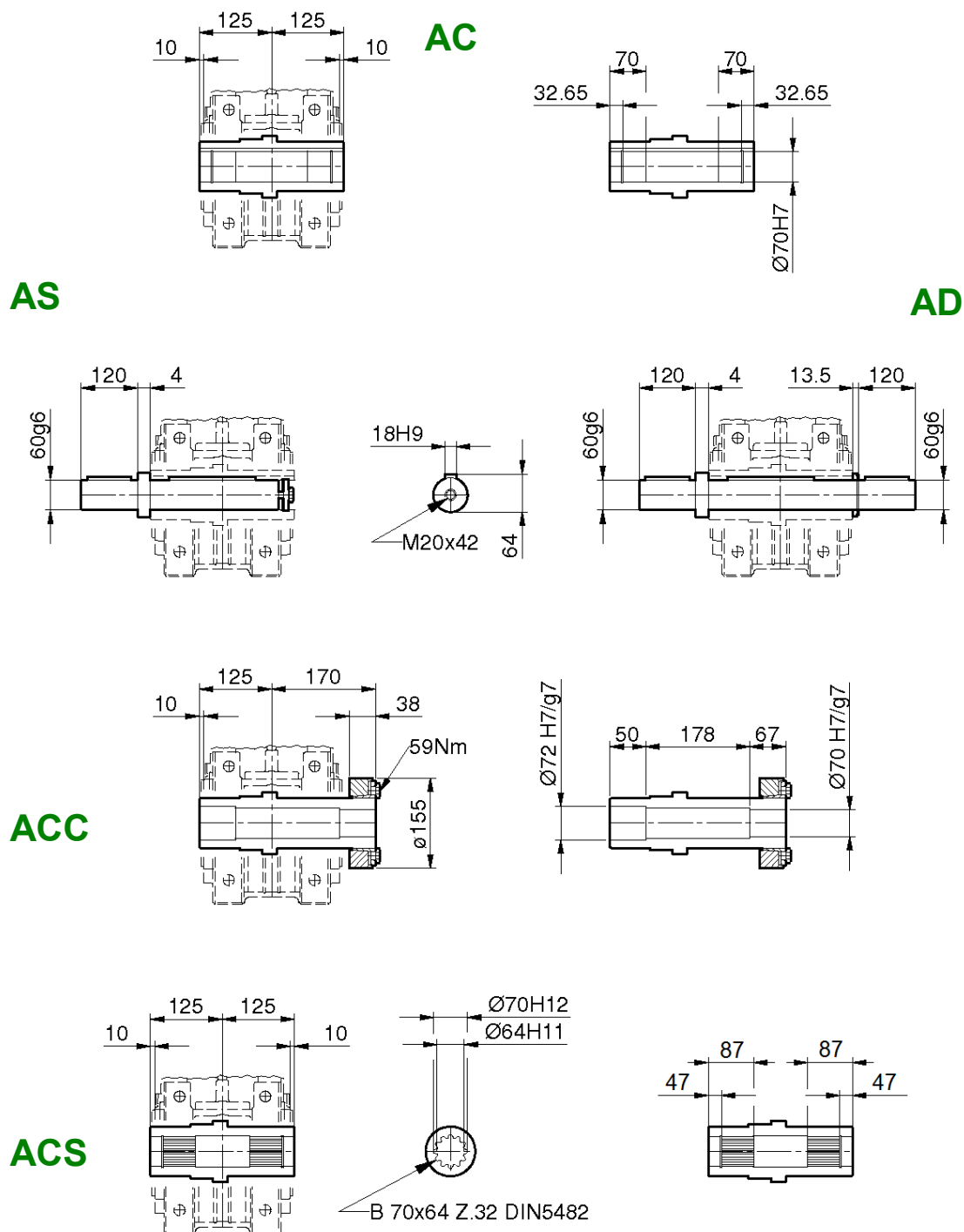
RV	63	63	63	63	63	63	63
IEC	80	90 S / L	100	112	132 S / M	160	180
X / Y / Z1	159/238/138	176/255-280/149	195/314/160	219/328/172	258/368-410/192	310/486/235	320/580/245
X1 (B5) / S	200/22	200/22	250/22	250/22	300/22	350/35	350/35
X1 (B14) / S	---	---	---	---	200/22	250/22	300/22
L (RV63)	205.5	205.5	205.5	205.5	205.5	218.5 (205.5)	218.5 (205.5)

Dimensioni e pesi non impegnativi

RO63-RV63

Riduttori RO-RV

- Dimensioni



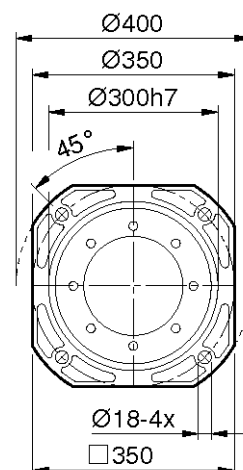
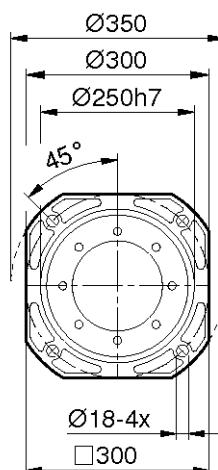
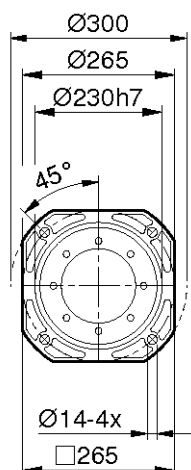
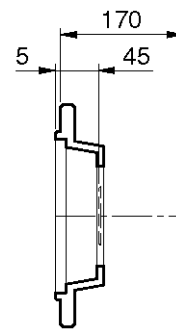
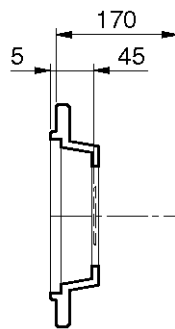
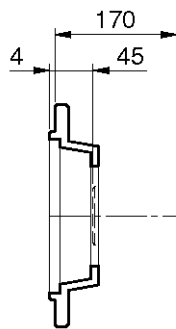
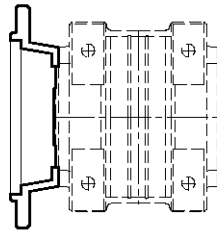
- Dimensioni del perno macchina: pagine 84-86

Dimensioni e pesi non impegnativi

RO-RV Riduttori

RO63-RV63

Dimensioni

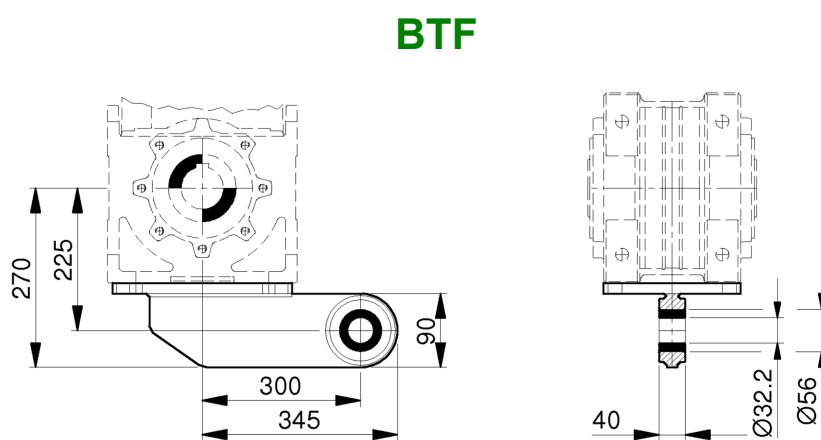
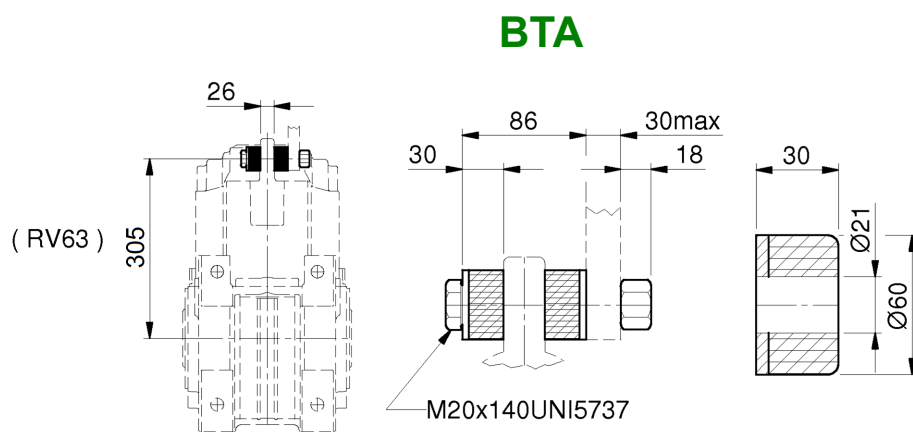


Dimensioni e pesi non impegnativi

RO63-RV63

Riduttori RO-RV

Dimensioni

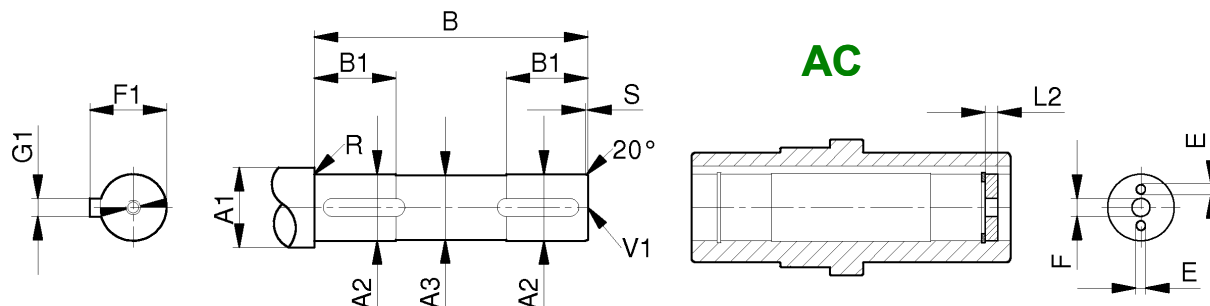


Dimensioni e pesi non impegnativi

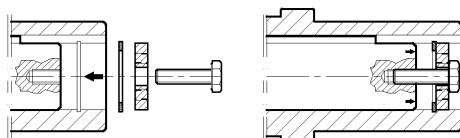
RO-RV Riduttori

Dimensioni Albero Macchina

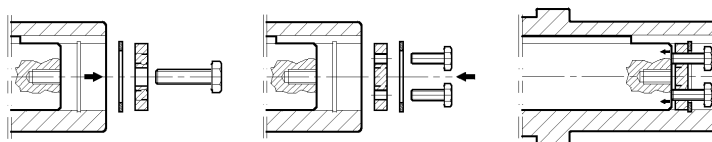
La tabella fornisce le dimensioni dell'albero macchina adatto ad inserirsi nell'albero cavo di uscita AC con chiavetta standard.



- Montaggio



- Smontaggio



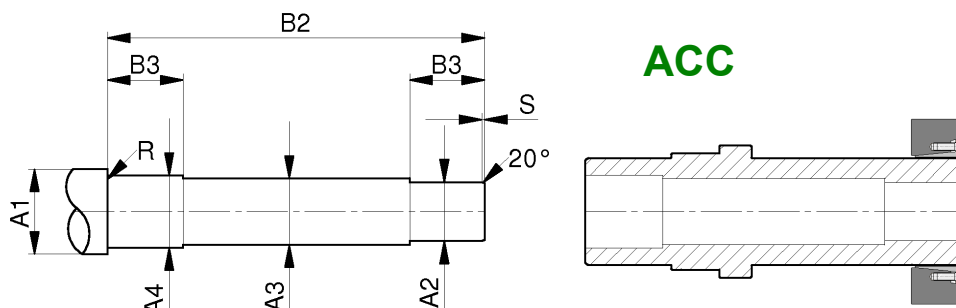
Tipo	A1	A2	A3	B	B1	E	F	F1	G1	L2	R	S	V1
RO13 - RV13	40	30	29	98	35	M6	11	33	8	5.5	1	2	M10x22
	35	25	24	98	35	M6	9	28	8	4.5	1	2	M8x19
RO22 - RV23	45	35	34	113.5	40	M8	11	38	10	7	1	2	M10x22
	40	30	29	113.5	40	M6	11	33	8	7	1	2	M10x22
RO32 - RV33	50	40	39	133.5	45	M8	13	43	12	7	1	2	M12x28
	45	35	34	133.5	45	M8	11	38	10	7	1	2	M10x22
RO42 - RV43	60	50	49	155.5	55	M10	17	53.5	14	8	1.5	3	M16x36
	55	45	44	155.5	55	M10	17	48.5	14	8	1.5	3	M16x36
	50	40	39	155.5	55	M8	13	43	12	8	1.5	3	M12x28
RO52 - RV53	75	60	59	185	65	M12	17	64	18	12.5	2	4	M16x36
	70	55	54	185	65	M12	17	59	16	12.5	2	4	M16x36
	65	50	49	185	65	M10	17	53.5	14	12.5	2	4	M16x36
RO62 - RV3	85	70	69	205	70	M12	21	74.5	20	12.5	2	4	M20x42
	80	65	64	205	70	M12	21	69	18	12.5	2	4	M20x42
	75	60	59	205	70	M12	21	64	18	12.5	2	4	M16x36

Dimensioni e pesi non impegnativi

Riduttori RO-RV

Dimensioni Albero Macchina

La tabella fornisce le dimensioni dell'albero macchina adatto ad inserirsi nell'albero cavo di uscita ACC con calettatore esterno.



Tipo	A1	A2	A3	A4	B2	B3	R	S
RO13 - RV13	40	30	29	32	144	34	1	2
RO23 - RV23	45	35	34	37	167	39	1	2
RO33 - RV33	50	40	39	42	189	49	1	2
RO43 - RV43	60	50	49	52	220	49	1.5	3
RO53 - RV53	75	60	59	62	267	49	2	4
RO63 - RV63	85	70	69	72	294	49	2	4

Il calettatore è basato sullo sperimentato principio del cuneo per creare un accoppiamento meccanico per interferenza senza chiavetta.

Il serraggio assiale delle viti è convertito in pressione di contatto radiale fra albero e mozzo, causandone lo stabile calettamento.

Montaggio

Pulire accuratamente le superfici di contatto dell'albero e del mozzo e applicare un leggero velo d'olio.

Serrare le viti in modo graduale ed uniforme fino a raggiungere la coppia di serraggio.

Non usare oli contenenti bisolfuro di molibdeno che originano notevole riduzione del coefficiente d'attrito.

Durante il serraggio delle viti non avviene nessun spostamento assiale del mozzo rispetto all'albero.

Smontaggio

Allentare le viti con sequenza continua e graduale senza estrarre le viti dalle filettature.

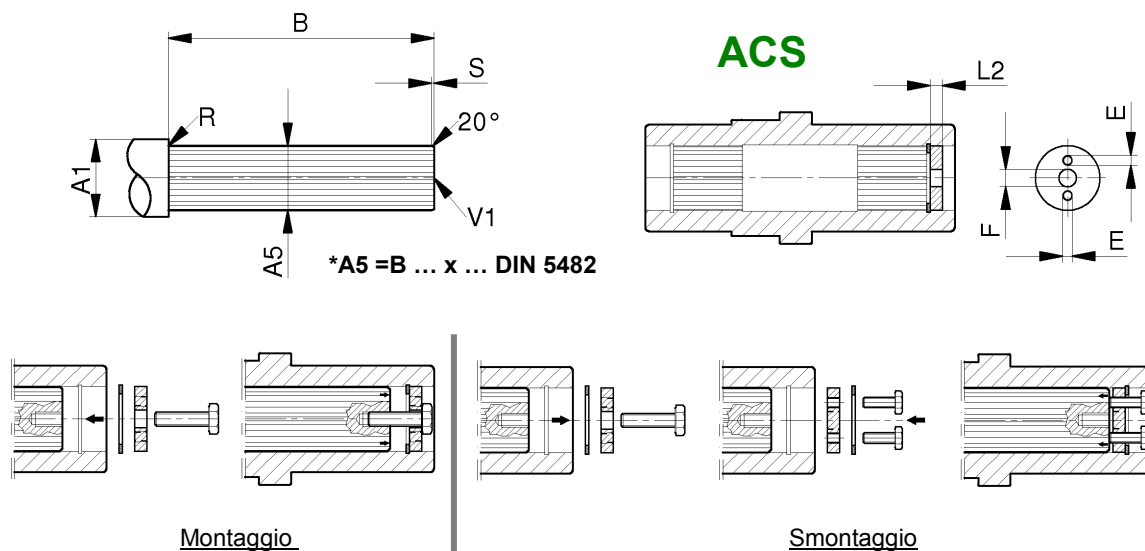
In caso di riutilizzo, applicare alle viti e superfici coniche un lubrificante in pasta per garantire un coefficiente d'attrito di 0.04.

Coppie di serraggio, tolleranze e rugosità secondo le specifiche del costruttore.

RO-RV Riduttori

Dimensioni Albero Macchina

La tabella fornisce le dimensioni dell'albero macchina adatto ad inserirsi nell'albero cavo di uscita scanalato ACS.



Tipo	A1	A5	B	E	F	L2	R	S	V1
RO13- RV13	40	30x27	98	M6	11	5.5	1	2	M8x19
RO23 - RV23	45	35x31	113.5	M8	11	7	1	2	M10x22
RO33 - RV33	50	40x36	133.5	M8	13	7	1	2	M10x22
RO43 - RV43	60	50x45	155.5	M10	17	8	1.5	3	M16x36
RO53 - RV53	75	60x55	185	M12	17	12.5	2	4	M16x36
RO63 - RV63	85	70x64	205	M12	21	12.5	2	4	M20x42

Gli alberi scanalati hanno denti che ingranano con corrispondenti scanalature di un pezzo accoppiante e gli trasferiscono la coppia mantenendo la corrispondenza angolare fra loro.

Alternativi al collegamento cava/chiavetta, gli scanalati forniscono maggior coppia e maggior durata alla fatica.

Riduttori RO-RV

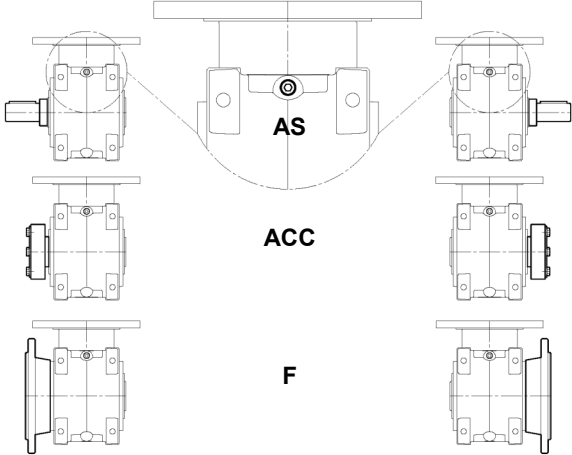
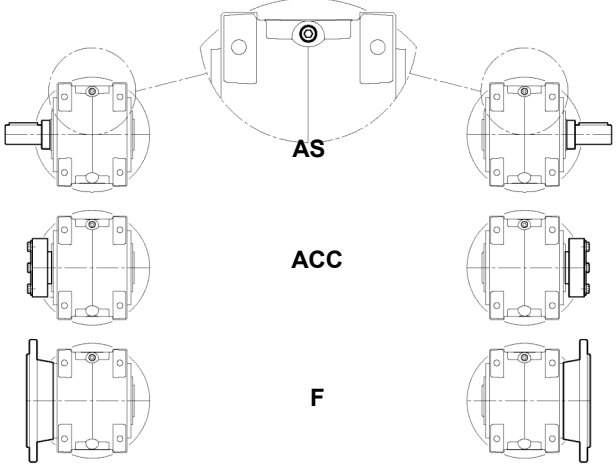
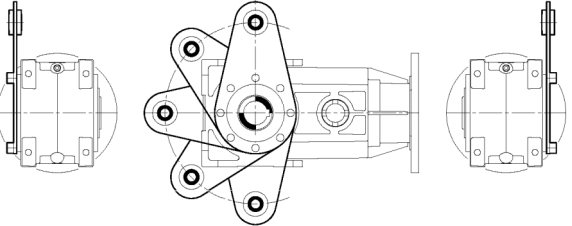
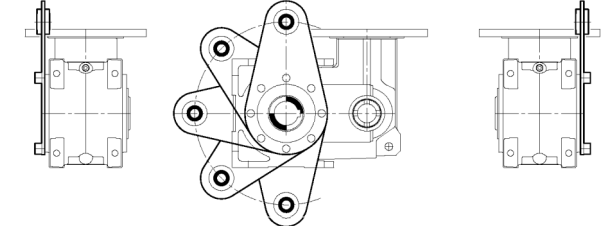
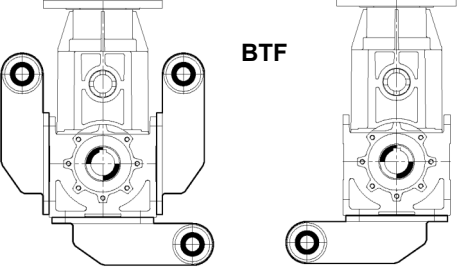
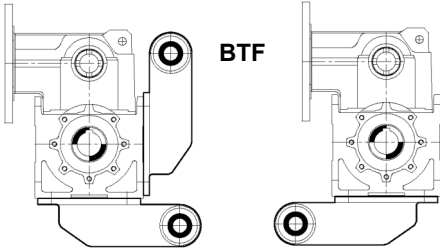
Posizione accessor

Le posizioni degli accessori, nelle definizioni RH e LH, fanno riferimento alla posizione di montaggio H1 a pag. 14 e sono viste dal lato inferiore del riduttore RO o RV.

Il lato della carcassa con la vite come indicata è la esatta identificazione del lato di riferimento.

Se l'accessorio viene richiesto montato in fabbrica, l'ordine è considerato in sospeso fino alla determinazione del lato RH o LH.

Per altre posizioni di montaggio, riferirsi al Servizio Clienti.

LH	RO	RH	LH	RV	RH
					
					
					

RO-RV Riduttori

Rotazione e Parti Componenti

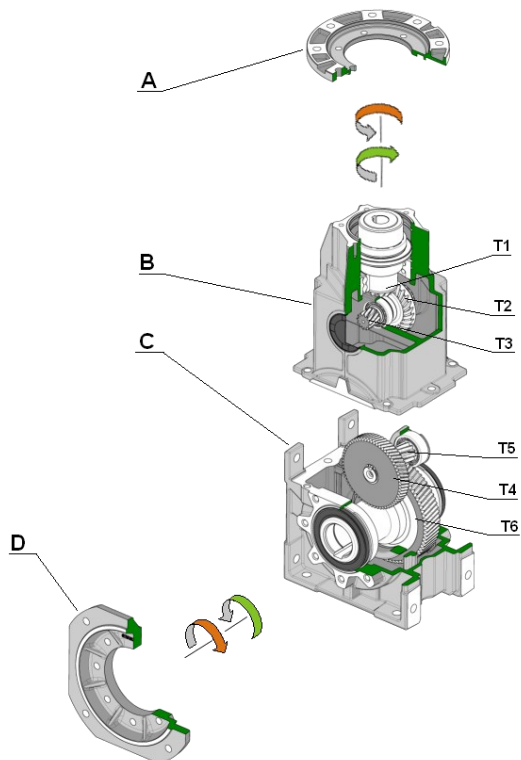
RO

Versione in linea

- A - Flangia motore
- B - Coperchio entrata 3 coppie
+ ingranaggi T1. T2. T3
- C - Carcassa
+ ingranaggi T4. T5. T6
- D - Flangia di uscita



- Rotazione entrata / uscita



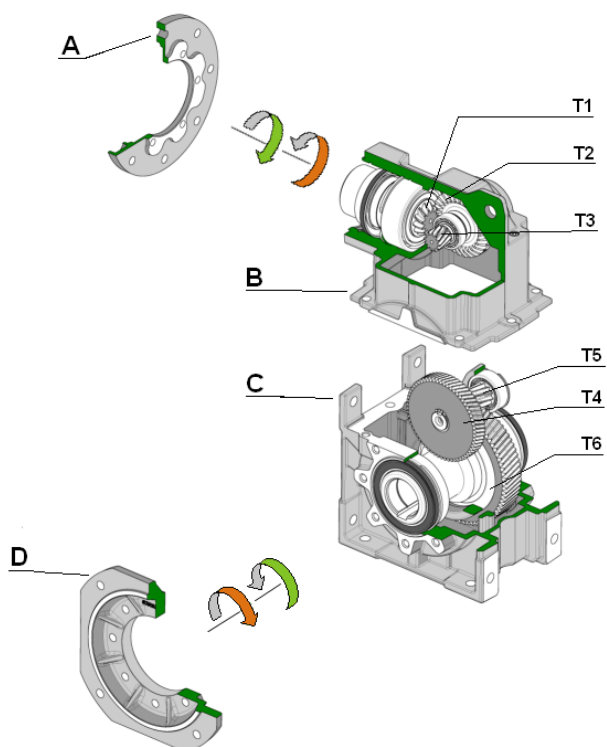
RV

Versione a squadra

- A - Flangia motore
- B - Coperchio entrata 3 coppie
+ ingranaggi T1. T2. T3
- C - Carcassa
+ ingranaggi T4. T5. T6
- D - Flangia uscita



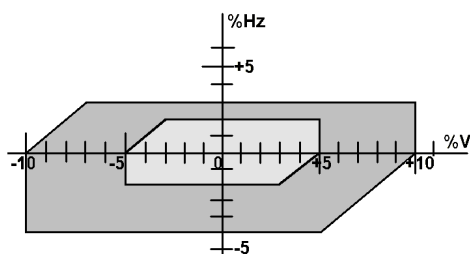
- Rotazione entrata / uscita





Riduttori RO-RV

Standard Motori elettrici

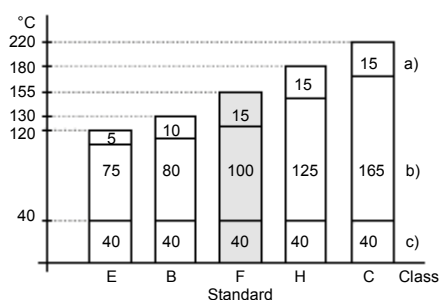
Voltaggio e frequenza



Valori nominali	Valori utilizzabili
230/400V 50Hz	240/415V 50Hz 220/380V 50Hz
277/480V 60 Hz	265/460V 60Hz 260/440V 60Hz

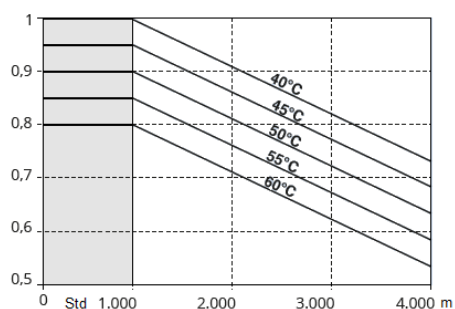
-  - Servizio normale
-  - Servizio pesante e limitato

Classe di isolamento



- a) margine di sicurezza
- b) sovratemperatura ammissibile
- c) temperatura ambiente convenzionale

Coefficienti di Altitudine e di Temperatura (k_{AT})



Condizioni convenzionali

- 1000 m [3285 ft] - altitudine s.l.m.
- 40 °C [104 °F] - temperatura ambiente
- 15 °C [5 °F] - min. temperatura ambiente dell'aria
- ≤ 60% - umidità relativa

$$P_{AT} = P_1 * k_{AT} [Kw]$$

RO-RV Riduttori

ATEX - Direttiva Europea 94/9/CE

La Direttiva Europea 94/9/CE-ATEX riguarda non solo gli apparecchi elettrici ma tutte le macchine e gli organi di comando che sono destinati, soli o combinati, ad essere utilizzati in atmosfere potenzialmente esplosive nei territori della Comunità Europea.

I riduttori VARVEL-ATEX sono costruiti con

- carcassa e coperchi in materiale metallico, contenenti gli elementi di trasmissione montati su cuscinetti a sfere o a rulli;
- paraolio in fluoro-elastomero FKM (Viton) sugli alberi di entrata e di uscita;
- quantità di lubrificante idonea per assicurare il funzionamento del progetto;
- viteria sigillata con pasta frena-filetti.

I riduttori VARVEL-ATEX sono identificati nella Direttiva come «componenti», pertanto privati di loro funzione autonoma, ma essenziali per il funzionamento di apparecchi e di sistemi di protezione destinati alla produzione, trasporto, immagazzinamento, misurazione, regolazione e conversione d'energia e trasformazione dei materiali che, per le loro proprie potenzialità d'infiammabilità, rischiano di provocare l'innesco di un'esplosione.

Specifica Codice Direttiva ATEX

- **Gruppo**

utilizzazione in

I - miniera

II - industrie di superficie

- **Categoria**

1- esposizione continuata in ambiente possibilmente esplosivo
con durata >1000 ore/anno o con frequenti malfunzionamenti

2- esposizione occasionale in ambiente possibilmente esplosivo
con durata fra 10 e 1000 ore/anno o con saltuari malfunzionamenti

3- esposizione poco probabile in ambiente possibilmente esplosivo
e se avvenuta, si verifica per un breve periodo con durata inferiore a 10 ore/anno

- **Lettere "G" e "D"**

G - presenza di gas

D - presenza di polveri

- **Lettere "c" e "k"**

c - indice di sicurezza di costruzione

k - indice di sicurezza di immersione in liquido

- **IP66 (IP4X NEMA)**

IP - marcatura "International Protection"

6 - 1a cifra - totalmente protetto contro la polvere

6 - 2a cifra - protetto da ondate

- **T_{max} e T_{amb}**

T_{max}- temperatura max della superficie

T_{amb}- temperatura max dell'ambiente

Riduttori RO-RV

Direttiva Europea 94/9/CE - ATEX

La serie VARVEL RN è conforme alle richieste di progetto esatte dal Gruppo II, Categoria 2 o 3 e per funzionamento in zone con pericolo di esplosione in presenza di gas (zona 1 e zona 2) e di polveri combustibili (zona 21 e zona 22).

I prodotti VARVEL-ATEX sono marcati

 **2 GD ck IP66** $\text{CET}_{\text{max}}=135^{\circ}\text{C}$

Gruppo	Categoria	Gas, Vapori, Nebbie	Zona	Polveri
I (a)	M1 (c) M2 (d)			
II (b)	1 (c)	G (0)		D (20)
	2 (d)	G (1)		D (21)
	3 (e)	G (2)		D (22)

Attenzione - I riduttori VARVEL-ATEX **non sono certificati** per funzionamento nelle aree in **colore grigio**.

- (a) - Miniere
- (b) - Industrie di superficie
- (c) - Livello di protezione: molto elevato
- (d) - Livello di protezione: elevato
- (e) - Livello di protezione: normale
- (0) - Presenza continua di gas
- (1) - Presenza discontinua di gas
- (2) - Presenza occasionale di gas
- (20) - Presenza continua di polveri
- (21) - Presenza discontinua di polveri
- (22) - Presenza occasionale di polveri

RO-RV Riduttori

Estratto delle ISTRUZIONI D'USO E MANU-TENZIONE

(manuale completo su www.varvel.com)

Ai sensi della Direttiva Macchine 2006/42/CE e relativa Linea Guida, i riduttori e i variatori di velocità sono considerati "elementi separati di macchine che non hanno un'applicazione specifica e che sono destinati ad essere incorporati nella macchina. La macchina completa dotata di questi componenti deve soddisfare i requisiti essenziali pertinenti di sicurezza e tutela della salute" della citata Direttiva.

Installazione

Accertarsi che il gruppo da installare abbia le caratteristiche atte a svolgere la funzione richiesta e che la posizione di montaggio sia coerente con quanto ordinato.

Tali caratteristiche sono deducibili dalla targhetta d'identificazione apposta sul riduttore.

Effettuare la verifica della stabilità del montaggio affinché non si verifichino vibrazioni o sovraccarichi durante il funzionamento.

Funzionamento

Il riduttore può essere collegato per rotazione oraria o antioraria.

Arrestare immediatamente il riduttore in caso di funzionamento difettoso o di rumorosità anomala, rimuovere il difetto o ritornare l'apparecchio alla fabbrica per un'adeguata revisione.

Se la parte difettosa non è sostituita, anche altri componenti possono essere danneggiati con conseguenti ulteriori danneggiamenti e più scarsa possibilità di risalire alle cause.

Manutenzione

Sebbene i gruppi siano provati con funzionamento senza carico prima della spedizione, è consigliabile non usarli a carico massimo durante le prime 20-30 ore di funzionamento affinché le parti interne possano adattarsi reciprocamente.

I riduttori sono spediti già riempiti con olio sintetico a lunga durata e, se occorre sostituire o rabboccare il lubrificante, non mescolare oli a base sintetica con oli a base minerale.

Movimentazione

In caso di sollevamenti con paranco, utilizzare posizioni di aggancio sulla struttura della carcassa, golfari ove esistenti, fori dei piedi o sulle flange, evitando tutte le parti mobili.

Verniciatura

Qualora il gruppo subisca una verniciatura successiva, è necessario proteggere accuratamente gli anelli di tenuta, i piani di accoppiamento e gli alberi sporgenti.

Conservazione prolungata a magazzino

Per permanenze maggiori di tre mesi, è consigliata l'applicazione di antiossidanti su alberi esterni e piani lavorati, e di grasso protettivo sui labbri dei paraolio.

Gestione Ambientale del prodotto

In conformità alla Certificazione Ambientale ISO 14001, sono suggerite le seguenti indicazioni per lo smaltimento del nostro prodotto:

- i componenti del gruppo che vengono rottamati debbono essere consegnati a centri di raccolta autorizzati per i materiali metallici;
- gli oli ed i lubrificanti raccolti dal gruppo devono essere smaltiti consegnandoli ai Consorzi Oli esausti;
- gli imballi a corredo dei gruppi (pallet, cartone, carta, plastica, ecc..) vanno avviati per quanto più possibile al recupero/riciclo, consegnandoli a ditte autorizzate per le singole classi di rifiuto.