



ALBERTO
SASSI
HIGHER LIFT TECHNOLOGY

CATALOGO
ARGANI

**GEARED
MACHINES**
CATALOGUE

REV. 1 - 09/2025

GEARED
MACHINES
CATALOGUE

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ACCESSORI / ACCESSORIES

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TABELLA POTENZA / POWER TABLE

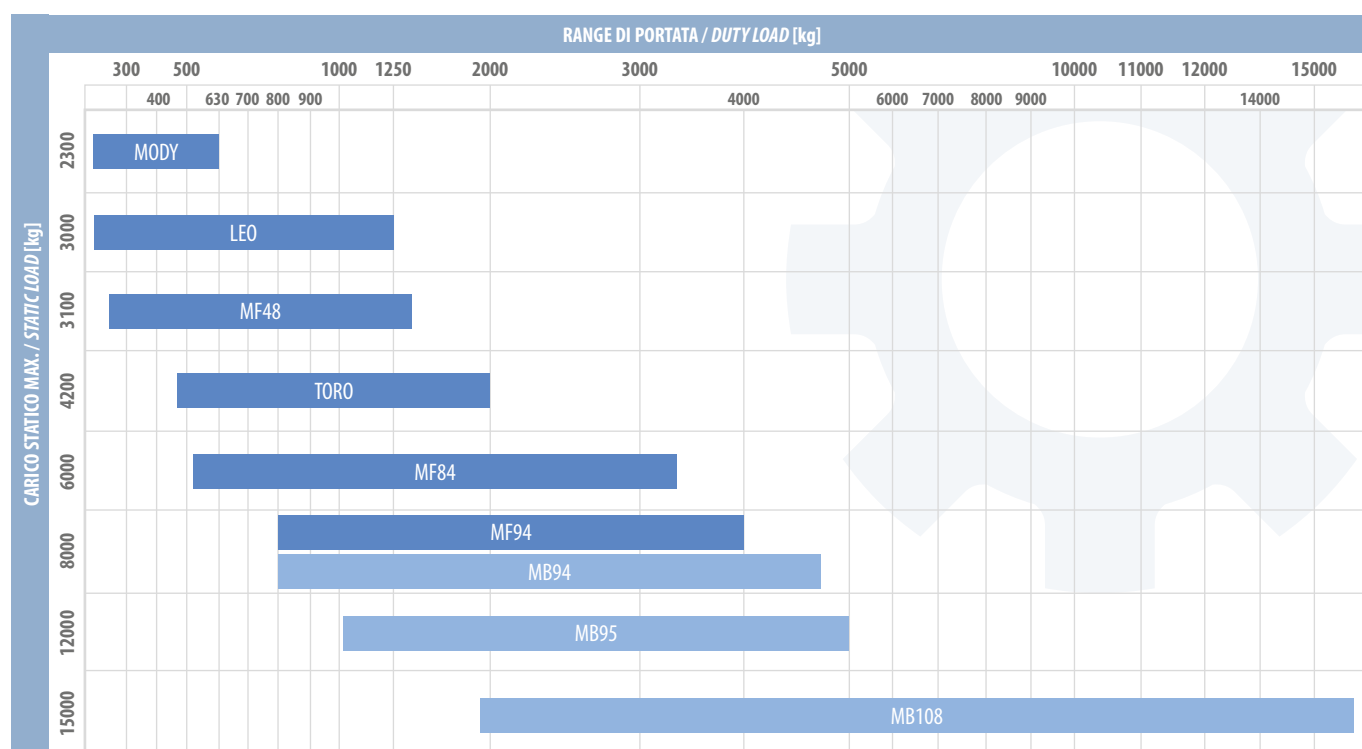




Illustrazione tecnica

Per la definizione delle prestazioni relative ai nostri argani abbiamo effettuato alcune ipotesi di base da utilizzare nei calcoli. Le due principali ipotesi sono sul:

- **Rendimento del vano dell'ascensore**
- **Ciclo di lavoro delle macchine**

Rendimento del vano ascensore

Si è ipotizzato un **rendimento del vano pari a**: $\eta_i = 0.8$

Ciclo di lavoro

Si è ipotizzato un **ciclo di lavoro di 8 ore al giorno**.

La durata di vita di ciascun rapporto, con la massima potenza applicabile e con il seguente spettro di carico, **è di 30000 ore**. In particolare:

A) CON RIFERIMENTO AI CARICHI ABBIAMO CONSIDERATO:

- lavoro al 100% del carico per il 50% del tempo
- lavoro al 10% del carico per il 30% del tempo
- lavoro al 50% del carico per il 20% del tempo

B) CON RIFERIMENTO AL NUMERO DI CICLI ORARI ABBIAMO CONSIDERATO:

- 240 avv/h per 3 ore /giorno
- 180 avv/h per 5 ore /giorno

La durata di vita citata, naturalmente, è valida se le condizioni di installazione, lubrificazione e manutenzione della macchina sono ottimali. Si prega pertanto di fare riferimento alle istruzioni da noi riportate nel libretto di "Uso e Manutenzione" fornito con ogni macchina.

Particolarità costruttive

- **Riduttore** in bagno d'olio.
- **Corpo** in ghisa ad elevata resistenza meccanica.
- **Albero vite senza fine** in acciaio speciale legato, cementato, temprato e rettificato; supportato da boccole in bronzo antiusura e tenuta assiale con cuscinetto reggispira registrabile, o sostenuto completamente da cuscinetti a rotolamento.
- **Corona elicoidale** in bronzo ad alta resistenza antifrizione; accoppiamento alla vite rigorosamente controllato con apparecchiature elettroniche.
- **Albero lento** in acciaio speciale legato, bonificato e rettificato; supportato da boccole in bronzo antiusura, o da cuscinetti a rotolamento.
- **Puleggia** in ghisa legata ad alta resistenza.
- **Supporto esterno** su cuscinetti.
- **Freno** a ganasce indipendenti di nostra produzione, secondo le norme internazionali alimentato in C.C.
- **Motore** a piedini su argani MB, flangiato su argani MF. Per argani MF, LEO, MODY e TORO solo motori di nostra produzione.

Technical presentation

To explain the technical data of the present catalogue we high-light some basic hypothesis to be used for calculations. The two most important are:

- **On the efficiency of the lift shaft**
- **On the machine operation cycle**

Efficiency of the lift shaft

We supposed a **shaft efficiency**: $\eta_i = 0.8$

Machine operation cycle

We supposed a **working cycle of 8 hours per day**.

With the following load examples **the life expectancy of each ratio on each type of machine, with maximum acceptable power applied, is 30000 hours**:

A) WITH REFERENCE TO THE LOADS WE HAVE APPLIED AGAINST TIME PERIOD:

- running with 100% load for 50% of time
- running with 10% load for 30% of time
- running with 50% load for 20% of time

B) WITH REFERENCE TO THE STARTS PER HOUR USED AGAINST TIME PERIOD:

- 240 sts/h for 3 hours/day
- 180 sts/h for 5 hours/day

Obviously the above based formula are assuming that the correct procedures for installation, lubrication and maintenance of the machines have been adhered to. To insure that correct procedures are carried out during installation and operation of the machine please refer to the "Owner's handbook" supplied with each machine.

Manufacturing features

- **Worm gear unit** in oil bath.
- **Gear case** made in high-strength quality cast iron.
- **Worm** in special alloy steel, casehardened, stressrelieved and ground; supported by antiwear bronze bushings or by roller bearings; axial thrust-bearing easily adjustable.
- **Wormwheel** in anti-friction bronze; operative matching with worm is achieved through electronically driven machines.
- **Wormwheel shaft** in special alloy steel, hardened, tempered and ground; supported by anti-wear bronze bushings or by roller bearings.
- **Traction sheave** in high-strength grade cast iron.
- **Outboard wearing** on ball bearings.
- **Brake** with independently acting shoes, according to the international rules, D.C. electromagnet.
- **Motor** foot-mounting on all MB, flange mounting on MF. For MF geared machines, LEO, MODY and TORO motors of our production, only.





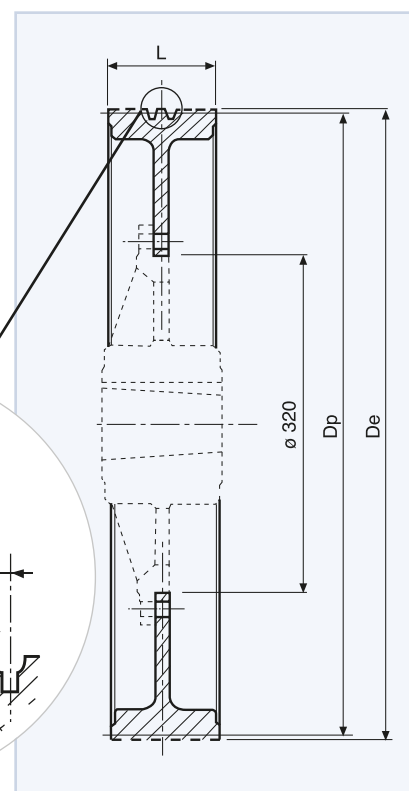
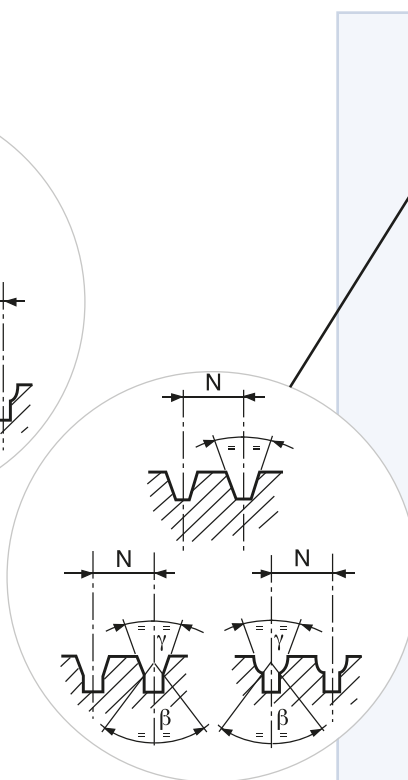
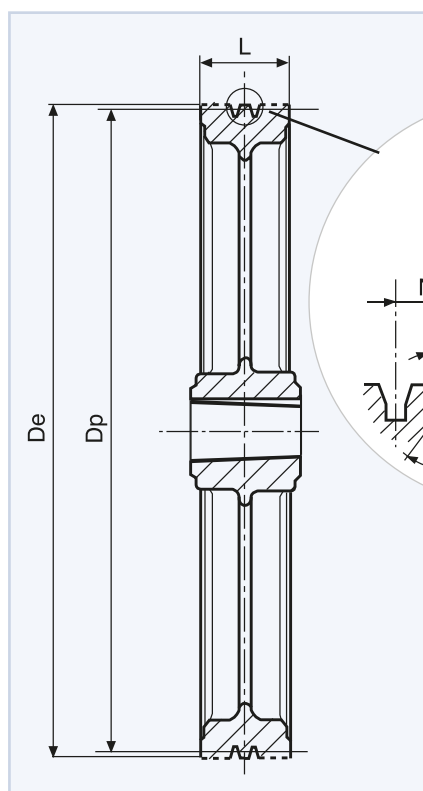
Pulegge a fascia / Traction band sheaves (MF48 • MF84 • MF94 • MB95)*

Dp	De	n. Gole n. Grooves	2÷3			4			5			6			7÷8		
		Ø Funi Ø Ropes	8÷12	13÷14	15÷16	8÷12	13÷14	15÷16	8÷12	13÷14	15÷16	8÷12	13÷14	15÷16	8÷12	13÷14	15÷16
[mm]	[mm]	N [mm]	17	20	21	17	20	21	17	20	21	17	20	21	17	20	21
450	454	L [mm] [kg]		80 24		80 24	115 32		115 32			115 32					
480	484			80 27		80 27	115 35		115 35			115 35	180 56			180 56	
520	524			80 32		80 32	115 39		115 39			115 39	180 64			180 64	
560	564			80 35		80 35	115 43		115 43			115 43	180 70			180 70	
600	604			80 39		80 39	115 49		115 49			115 49	180 78			180 78	
650	654			115 57			115 57		115 57			115 57	180 88			180 88	
700	704			115 69			115 69		115 69			115 69	180 97			180 87	
750	754			115 81			115 81		115 81			115 81	180 106			180 106	
800	804			115 97			115 97		115 97			115 97	180 135			180 135	

* Pulegge (Leo-Mody-Toro-MB108): vedi scheda tecnica. / Sheaves (Leo-Mody-Toro-MB108): see technical table.

Pulegge a disco (vedi schede tecniche argani)
Disc sheaves (see geared machines technical tables)

Pulegge a fascia (vedi tabella)
Traction band sheaves (see table)





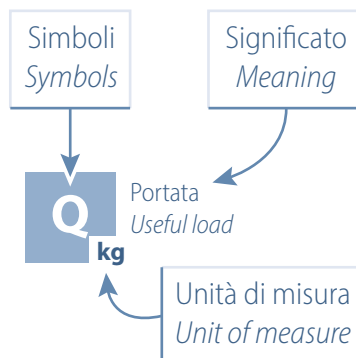
SCelta ARGANI / PROPOSED SELECTION OF GEARED MACHINES

Formule da usare / Formule

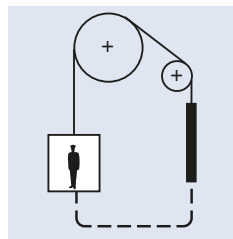
$$C_s = \frac{Q + F + G}{n} + S + \frac{S1}{n}$$

$$T = \frac{\frac{Q}{2n} + S - \frac{S1}{n}}{\eta} \quad (G = F + Q/2)$$

$$T = \frac{\left(\frac{Q + F - G}{n}\right) + S - \frac{S1}{n}}{\eta} \quad (G < F + Q/2)$$



Esempio 1 / Example 1



Q = 630 kg
F = 850 kg
G = 1165 kg
S = 52 kg
S1 = 40 kg
n = 1 (tab. 1)
η = 0,99 (tab. 2)

n = 1, η = 0,99 (fig. 1)

$$C_s = \frac{630 + 850 + 1165}{1} + 52 + \frac{40}{1} = 2737 \text{ kg}$$

$$T = \frac{\frac{630}{2 \times 1} + 52 - \frac{40}{1}}{0,99} = 330 \text{ kg}$$

Q kg
Portata
Useful load

F kg
Peso cabina
Car weight

G kg
Peso contrappeso
Counterweight weight

S kg
Peso funi sbilanciato
Ropes weight(unbalanced)

S1 kg
Peso catena di compensazione
Compensation chain weight

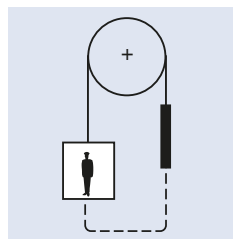
η
Coefficiente di impianto (tab 2)
Divertors coefficient (tab 2)

n
Coefficiente di tiro
Roping coefficient

Cs kg
Carico statico
Static load

T kg
Differenza di tiro
Out of balance load

Esempio 2 / Example 2



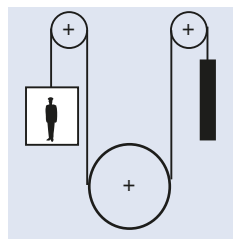
Q = 800 kg
F = 1000 kg
G = 1400 kg
S = 65 kg
S1 = 50 kg
n = 1 (tab. 1)
η = 1 (tab. 2)

n = 1, η = 1 (fig. 2)

$$C_s = \frac{800 + 1000 + 1400}{1} + 65 + \frac{50}{1} = 3315 \text{ kg}$$

$$T = \frac{\frac{800}{2 \times 1} + 65 - \frac{50}{1}}{1} = 415 \text{ kg}$$

Esempio 3 / Example 3



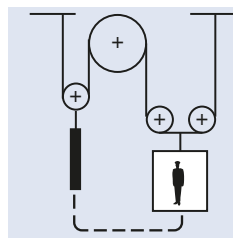
Q = 1000 kg
F = 1200 kg
G = 1700 kg
S = 120 kg
S1 = 0 kg
n = 1 (tab. 1)
η = 0,92 (tab. 2)

n = 1, η = 0,92 (fig. 3)

$$C_s = \frac{1000 + 1200 + 1700}{1} + 120 + 0 = 4020 \text{ kg}$$

$$T = \frac{\frac{1000}{2 \times 1} + 120 - 0}{0,92} = 674 \text{ kg}$$

Esempio 4 / Example 4



Q = 2000 kg
F = 1800 kg
G = 2700 kg
S = 100 kg
S1 = 200 kg
n = 2 (tab. 1)
η = 0,97 (tab. 2)

n = 2, η = 0,97 (fig. 4)

$$C_s = \frac{2000 + 1800 + 2700}{2} + 100 + \frac{200}{2} = 3450 \text{ kg}$$

$$T = \frac{\frac{2000 + 1800 - 2700}{2} + 100 - \frac{200}{2}}{0,97} = 415 \text{ kg}$$

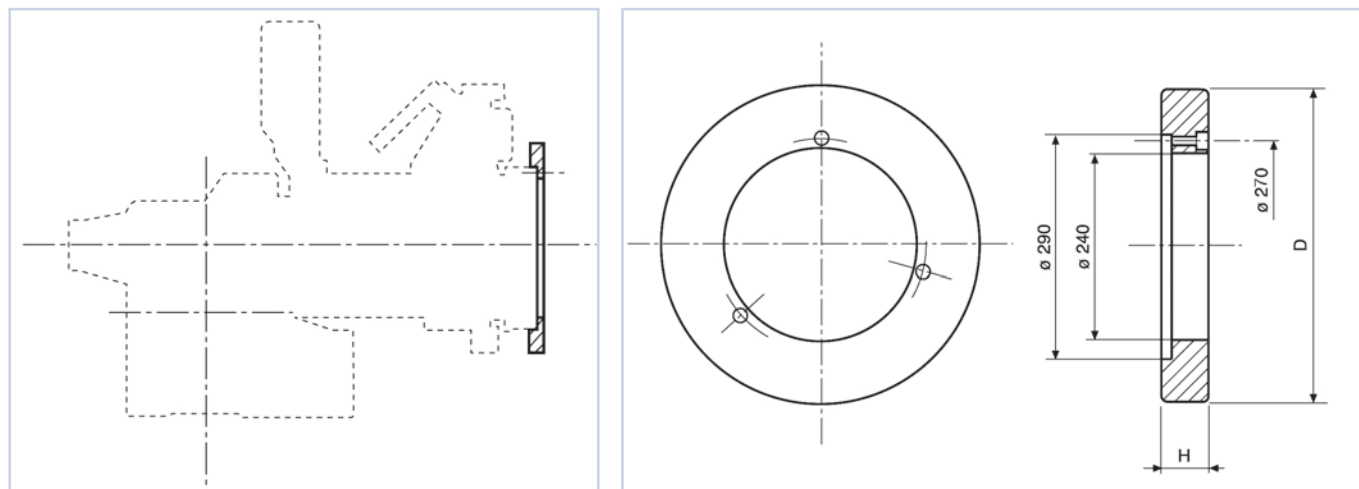
Tab. 1 (tabella del coefficiente n./ factor table n.)

tipo di taglia / roping type	1	2	3	4	5	6	7
coefficiente n. / factor n.	1	2	3	4	5	6	7

Tab. 2 (tabella del coefficiente η./ factor table η.)

N. di pulegge / N. of pulleys	1	2	3	4	5	6	7
Cuscinetti a sfere / Roller bearings	0,99	0,98	0,97	0,96	0,95	0,94	0,93
Cuscinetti a strisciamento / Sleeve bearings	0,96	0,92	0,88	0,85	0,81	0,78	0,75



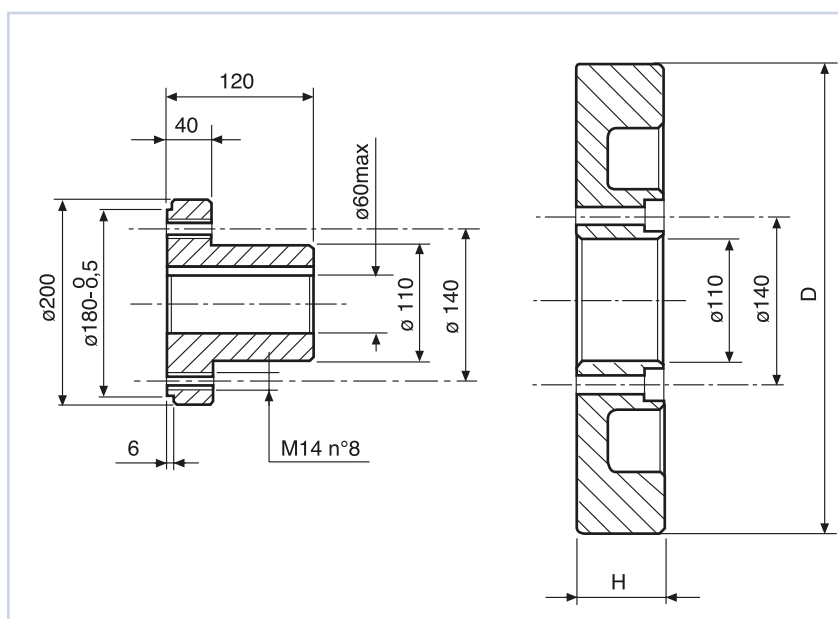
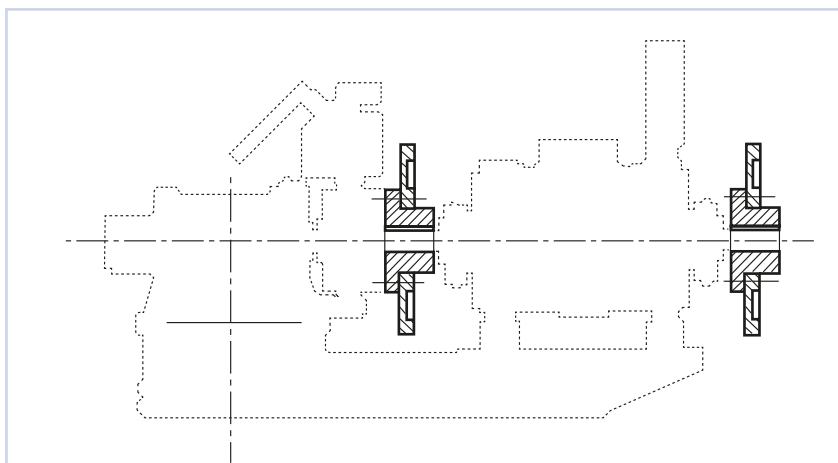


Volani argani MF / Fly-wheels MF geared machines

Tipo volano Fly-wheel type	D	H	J**	Peso Weight
	[mm]	[mm]	[kgm ²]	[kg]
400 - 32 P*	400	32	0,025	1,0
382 - 24 MC	382	24	0,275	10,5
400 - 26 MC	400	26	0,375	13,0
400 - 33 MC	400	33	0,467	16,0
400 - 43 MC	400	43	0,600	23,0
460 - 25 MF	460	25	0,700	22,0
460 - 30 MF	460	30	0,835	23,0
460 - 40 MF	460	40	1,107	31,0
460 - 50 MF	460	50	1,375	38,0
460 - 60 MF	460	60	1,643	44,0
460 - 65 MF	460	65	1,778	49,0

* In plastica / In plastic

$$** J = \frac{GD^2}{4}$$



Mozzo Hub	J**	Peso Weight
	[kgm²]	[kg]
MPV	0.0525	13

$$** J = \frac{GD^2}{4}$$

Volani argani MB / Fly-wheels MB geared machines				
Tipo volano Fly-wheel type	D	H	J**	Peso Weight
	[mm]	[mm]	[kgm²]	[kg]
350- 20 AMB*	350	20	0,055	4,0
300 - 20 MB	300	20	0,086	7,0
350 - 30 MB	350	20	0,230	13,0
350 - 42 MB	350	42	0,375	20,0
380 - 50 MB	380	50	0,533	24,0
400 - 40 MB	400	40	0,578	23,0
400 - 60 MB	400	60	0,793	29,0
400 - 80 MB	400	80	1,008	36,0
400 - 120 MB***	400	120	1,438	58,0

* In alluminio / *In aluminium* ** $J = \frac{GD^2}{4}$ *** Solo volano esterno / *External fly-wheel, only*





TABELLA OLI SINTETICI / SYNTETHIC OIL TABLE

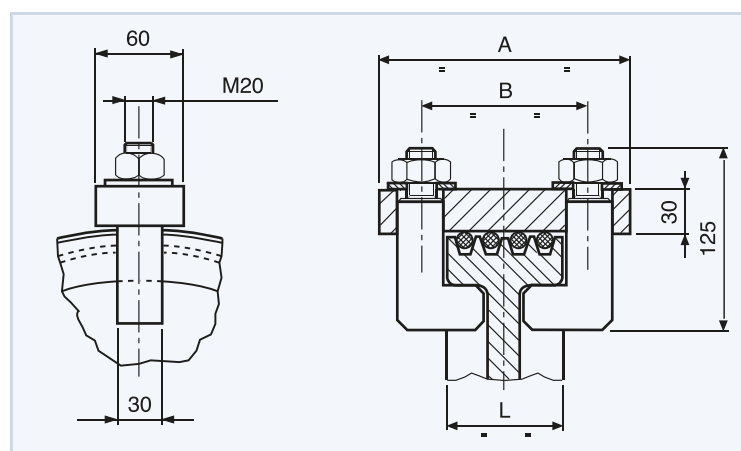
MF48 · MF94 · MB

Marca / Brand	CASTROL	SHELL	MOBIL	AGIP
Tipo / Type	Alphasyn PG 220	Omala S4 WE 220	Glygoyle 30	Blasia S 220
Viscosità a 50° C Viscosity at 50° C	17 [°E]	20,0 [°E]	19,4 [°E]	21,0 [°E]
Tipo di olio / Oil type	Vedere tabella sopra. See above table.			
1° Cambio olio 1° Oil change	Per olio sintetico dopo circa 700 ore di servizio effettivo. For synthetic oil after about 700 operation hours.			
Cambi successivi Following changes	Per olio sintetico ogni 24/36 mesi, secondo l'intensità del servizio. Cambi più frequenti possono essere previsti in impianti ad alto traffico. (Con gli stessi oli indicati in tabella è possibile prevedere l'uso di una viscosità leggermente superiore (ISO 320) in organi soggetti a carichi pesanti). For synthetic oils every 24/36 months depending on the intensity of use. More frequent changes could be advisable in machines subject to high duty. (With the Oils indicated in the chart is possible to foresee a slightly higher viscosity (ISO 320) in those geared machines subject to high duty.)			



ACCESSORI / ACCESSORIES

Bloccafuni / Rope-clamps



Dimensioni / Dimensions [mm]		
L	A	B
80	170	113
115	205	148
180	270	213





MODY

MODY	
Carico statico max. / Max. Static load [kg]	2300
Rapporti / Ratio	1/60 - 1/49 - 1/37 - 2/47 - 3/41
Regolazione / Speed control	VVVF - 4/16 poli
Gamma potenze (4/16 poli) Powers range (4/16 poles) [kW SYNC]	3,5 ÷ 5,5
Gamma potenze (VVVF a 4 poli) Powers range (VVVF at 4 poles) [kW SYNC]	2,2 ÷ 6,6
Momento d'inerzia J con motore AC2 Moment of inertia J with motor AC2 [kgm²]	0,460 ÷ 0,475
Momento d'inerzia J con motore VVVF Moment of inertia J with motor VVVF [kgm²]	0,178

Lubrificato a vita / Oil for life

Freno di emergenza disponibile come accessorio / Emergency brake available as optional

Tabella dei pesi (senza volano e puleggia) / Weight table (without fly-wheel sheave)

Tipo motore Motor type	Potenza / Power	Peso / Weight
	[kW]	[kg]
4/16	3,5 ÷ 4,0	158
	4,9	163
	5,5	169
VVVF	2,2 ÷ 5,9	158
	6,6	163

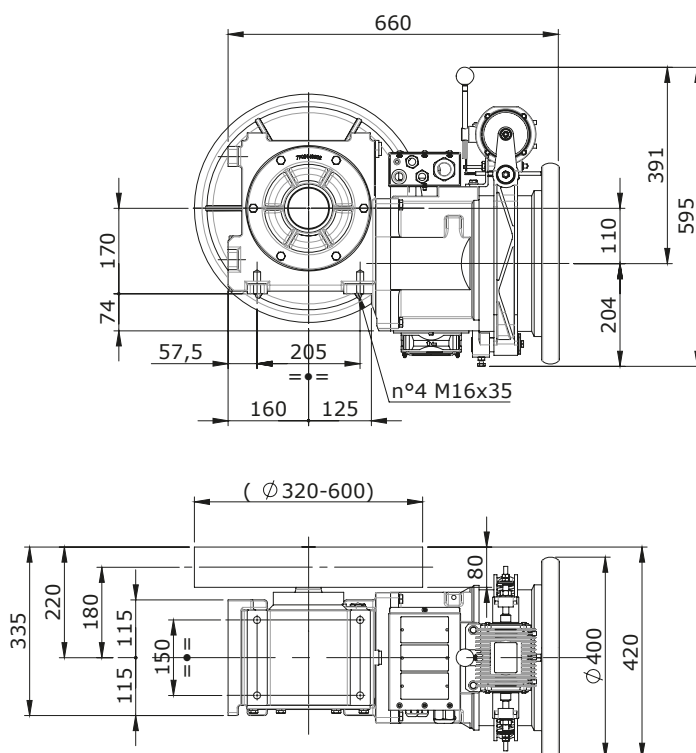


MODY

Configurazioni / Configurations

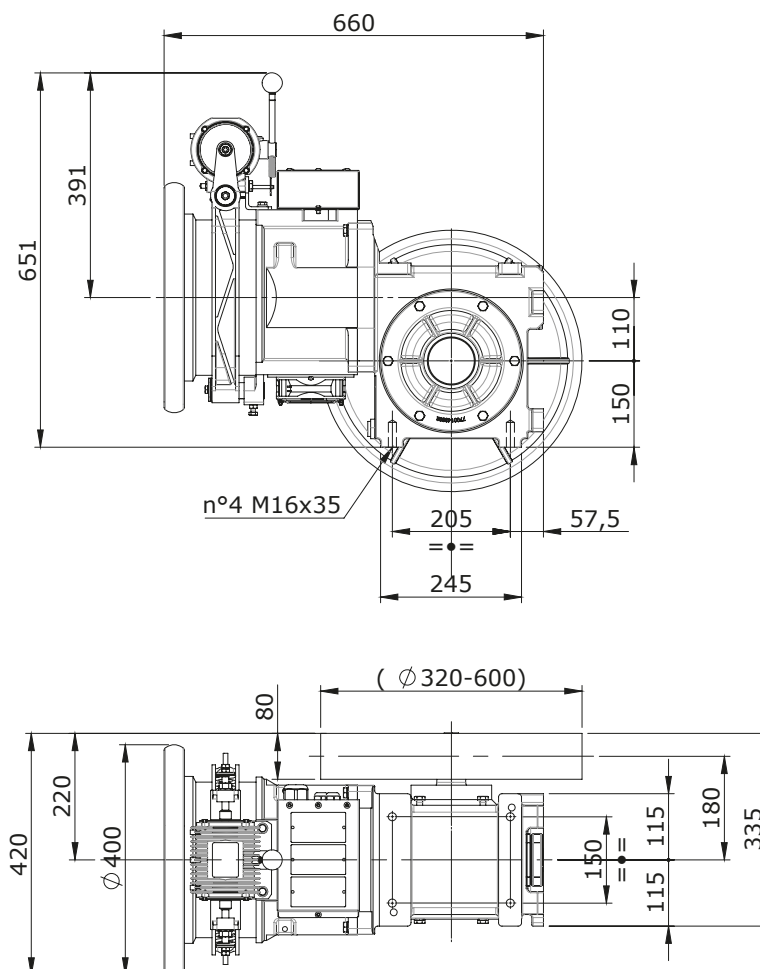
MODY

Orizzontale destro / Horizontal right



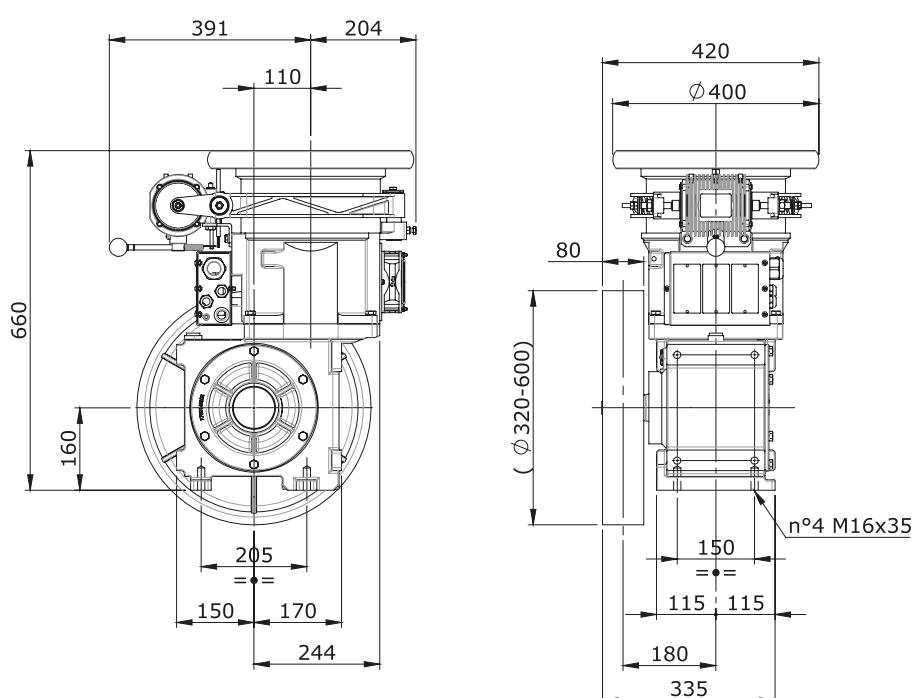
MODY

Orizzontale sinistro / Horizontal left



MODY

Verticale / Vertical



Tiro in alto / Traction upwards

Ø Puleggia Ø Sheave	Tipo Volano Fly-wheel type			
	400 - 32 P	328 - 43 MF	382 - 24 MC	400 - 26 MC
[mm]				
320	-	-	-	-
360	-	-	-	-
400	-	-	-	-
450	-	•	-	-
480	-	•	-	-
520	•	•	•	•
560	•	•	•	•
600	•	•	•	•

• Possibile / Possible
- Non possibile / Not possible

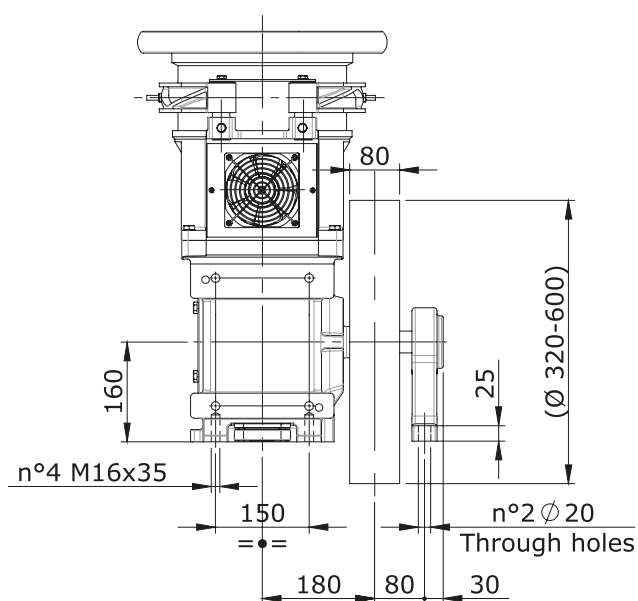
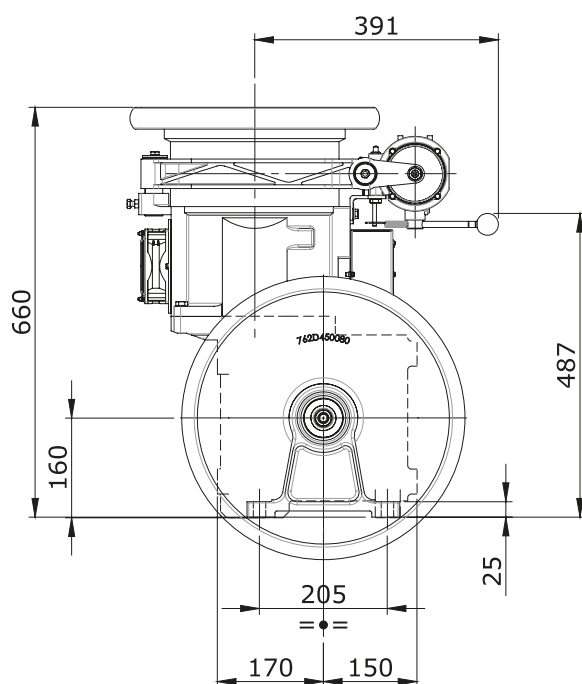
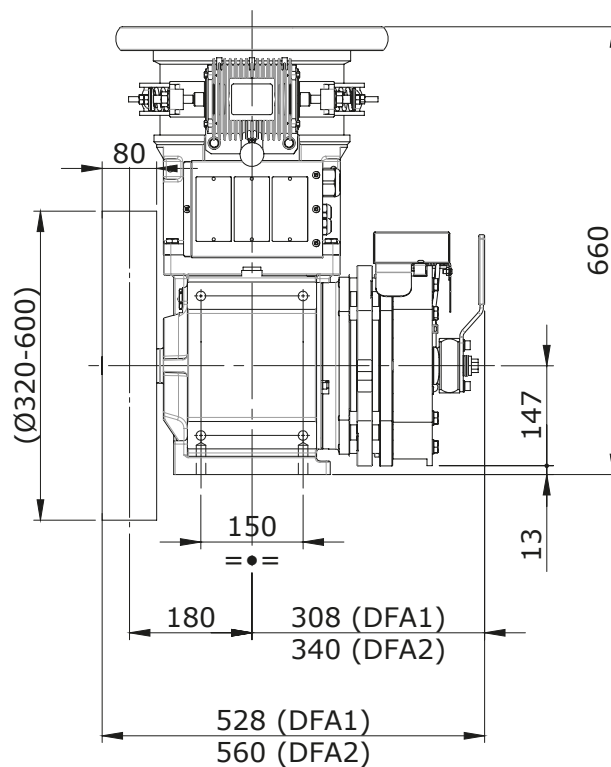
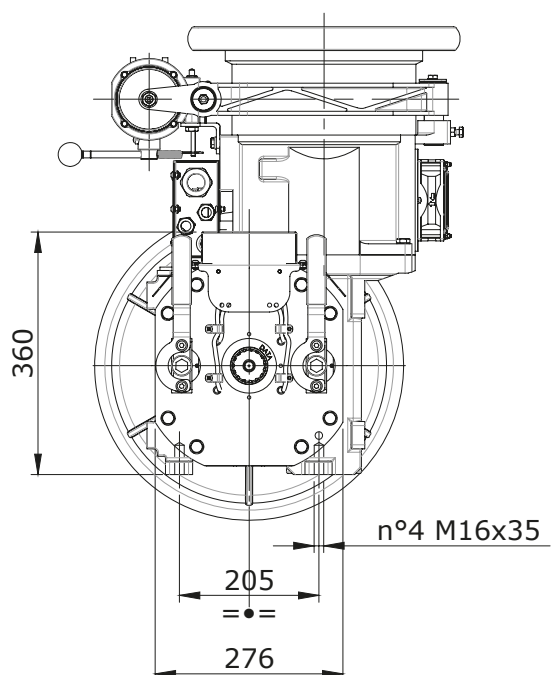


ARGANI / GEARED MACHINES

MODY

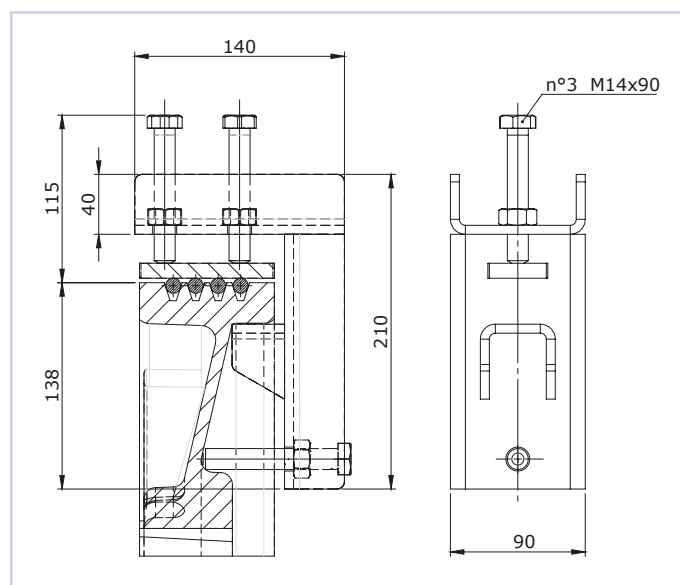
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**Pullegge / Sheaves**

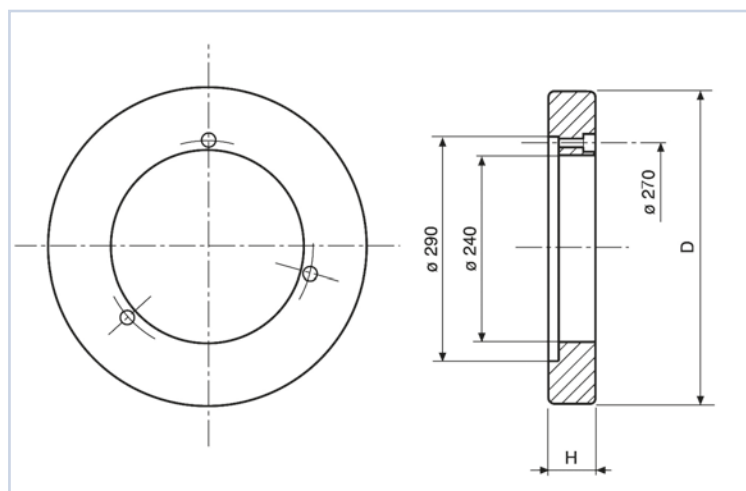
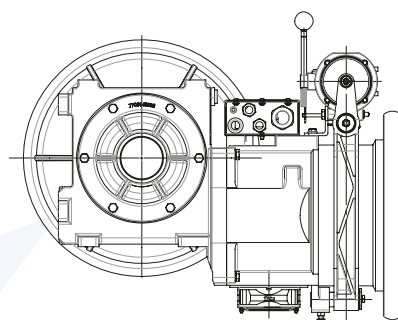
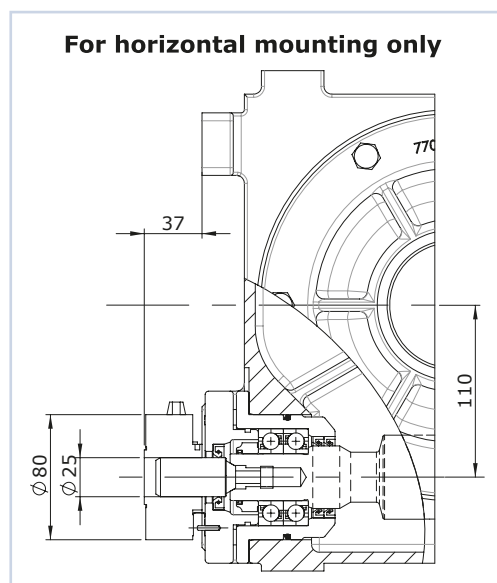
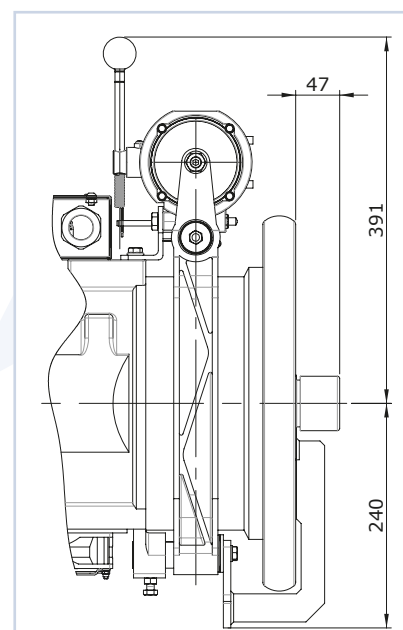
Ø Funi Ø Ropes	Ø Pul. min Ø Sheave min	Passo / Pitch			L [mm] 80
		3 gole 3 grooves	4 gole 4 grooves	5 gole 5 grooves	
[mm]	[mm]	[mm]			[kg]
8	320	17	17	14	19
9	360	17	17	14	21
8-9	400	17	17	14	21
10	400	17	17		24
11	450	17	17		28
12	480	17	17		30
13	520	20			33
14	560	20			36
15	600	21			39

Bloccafuni / Ropes clamp**Volani / Fly-wheels**

Tipo volano Fly-wheel type	D	H	J**	Peso Weight
	[mm]	[mm]	[kgm²]	[kg]
400- 32 P*	400	32	0,025	1,0
328 - 43 MF	328	43	0,175	7,63
382 - 24 MC	382	24	0,275	10,5
400 - 26 MC	400	26	0,375	13,0

* In plastica / In plastic

$$** J = \frac{GD^2}{4}$$

**Attacco con encoder / Coupling for encoder**Lato reggispira
Thrust bearingsideLato motore
Motor side

Differenza di tiro in kg con rendimento del vano = 0,8 Out of balance load in kg with shaft efficiency = 0,8										Velocità Speed	Rapporto Ratio	Ø Puleggia Ø Sheave
kW 3,5	kW 4,0	kW 4,9	kW 5,5						kW SYNC			
[kg]										[m/s]		[mm]
439	469									0,42	1/60	320
390	416									0,47	1/60	360
361	417	515	539							0,51	1/49	320
351	375									0,52	1/60	400
321	371	457	479							0,58	1/49	360
312	333									0,59	1/60	450
293	312									0,63	1/60	480
289	334	412	431							0,64	1/49	400
290	335	412	463							0,68	1/37	320
270	288									0,68	1/60	520
256	297	366	383							0,72	1/49	450
251	268									0,73	1/60	560
257	297	366	412							0,76	1/37	360
240	278	343	359							0,77	1/49	480
234	250									0,79	1/60	600
222	257	317	332							0,83	1/49	520
232	268	329	371							0,85	1/37	400
206	239	294	308							0,90	1/49	560
192	223	274	287							0,96	1/49	600
206	238	293	329							0,96	1/37	450
193	223	275	309							1,02	1/37	480
205	236	289	325							1,07	2/47	320
178	206	253	285							1,10	1/37	520
165	191	235	265							1,19	1/37	560
182	210	257	289							1,20	2/47	360
154	178	220	247							1,27	1/37	600
164	189	231	260							1,34	2/47	400
146	168	206	231							1,50	2/47	450
136	157	193	217							1,60	2/47	480
126	145	178	200							1,74	2/47	520
125	144	177	198							1,84	3/41	320
117	135	165	186							1,87	2/47	560
109	126	154	173							2,01	2/47	600
111	128	157	176							2,07	3/41	360
100	115	141	159							2,30	3/41	400
89	102	126	141							2,59	3/41	450
83	96	118	132							2,76	3/41	480
77	89	109	122							2,99	3/41	520
71	82	101	113							3,22	3/41	560
67	77	94	106							3,45	3/41	600



Differenza di tiro in kg con rendimento del vano = 0,8 Out of balance load in kg with shaft efficiency = 0,8										Velocità Speed	Rapporto Ratio	Ø Puleggia Ø Sheave
kW 2,2	kW 2,9	kW 3,3	kW 3,7	kW 4,0	kW 4,8	kW 5,1	kW 5,5	kW 5,9	kW 6,6			
kW SYNC												
[kg]										[m/s]		[mm]
291	399	453	506							0,42	1/60	320
259	354	402	450							0,47	1/60	360
237	327	371	416	461	550	568				0,51	1/49	320
233	319	362	405							0,52	1/60	400
211	290	330	370	410	489	505				0,58	1/49	360
207	284	322	360							0,59	1/60	450
194	266	302	338							0,63	1/60	480
190	261	297	333	369	440	455				0,64	1/49	400
192	263	298	334	369	440	476	497			0,68	1/37	320
179	245	279	312							0,68	1/60	520
169	232	264	296	328	391	404				0,72	1/49	450
166	228	259	289							0,73	1/60	560
170	234	265	297	328	391	423	442			0,76	1/37	360
158	218	248	277	307	367	379				0,77	1/49	480
155	213	241	270							0,79	1/60	600
146	201	229	256	284	339	350				0,83	1/49	520
153	210	239	267	295	352	381	398			0,85	1/37	400
135	187	212	238	263	314	325				0,90	1/49	560
136	187	212	237	263	313	338	354			0,96	1/37	450
126	174	198	222	246	293	303				0,96	1/49	600
128	175	199	223	246	294	317	331			1,02	1/37	480
138	187	211	236	260	310	334	359	383		1,07	2/47	320
118	162	184	205	227	271	293	306			1,10	1/37	520
110	150	170	191	211	252	272	284			1,19	1/37	560
122	166	188	210	231	275	297	319	341		1,20	2/47	360
102	140	159	178	197	235	254	265			1,27	1/37	600
110	149	169	189	208	248	267	287	307		1,34	2/47	400
98	133	150	168	185	220	238	255	272		1,50	2/47	450
92	124	141	157	174	206	223	239	255		1,60	2/47	480
85	115	130	145	160	190	206	221	236		1,74	2/47	520
84	114	129	144	159	189	204	219	234	264	1,84	3/41	320
79	107	121	135	149	177	191	205	219		1,87	2/47	560
73	100	113	126	139	165	178	191	204		2,01	2/47	600
75	101	115	128	141	168	181	195	208	235	2,07	3/41	360
67	91	103	115	127	151	163	175	187	211	2,30	3/41	400
60	81	92	102	113	134	145	156	166	188	2,59	3/41	450
56	76	86	96	106	126	136	146	156	176	2,76	3/41	480
52	70	79	89	98	116	126	135	144	162	2,99	3/41	520
48	65	74	82	91	108	117	125	134	151	3,22	3/41	560
45	61	69	77	85	101	109	117	125	141	3,45	3/41	600

**LEO****Dati generali / General data****LEO**

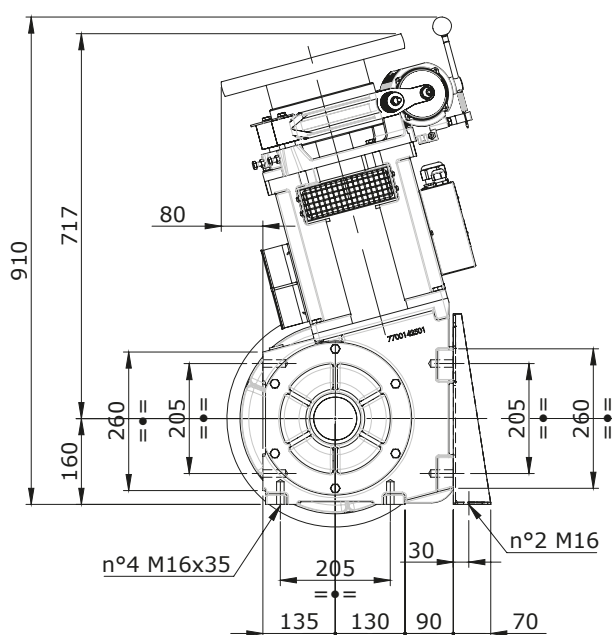
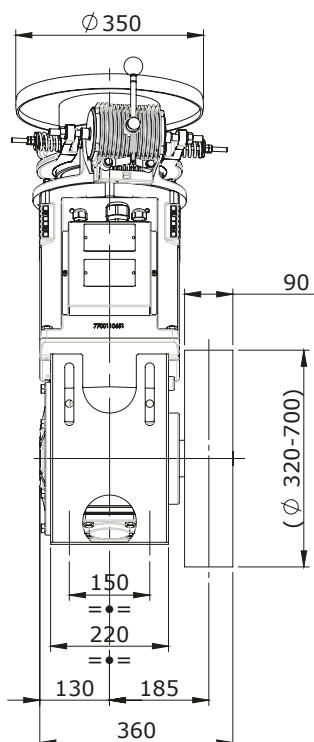
LEO	
Carico statico max. / Max. Static load [kg]	3000
Rapporti / Ratio	1/71 - 1/55 - 1/45 - 2/71 - 2/57 - 3/47
Regolazione / Speed control	VVVF - 4/16 poli
Gamma potenze (4/16 poli) Powers range (4/16 poles) [kW SYNC]	3,5 ÷ 5,5
Gamma potenze (VVVF a 4 poli) Powers range (VVVF at 4 poles) [kW SYNC]	3,3 ÷ 11
Momento d'inerzia J con motore AC2 Moment of inertia J with motor AC2 [kgm²]	0,371 ÷ 0,488
Momento d'inerzia J con motore VVVF Moment of inertia J with motor VVVF [kgm²]	0,104 ÷ 0,119

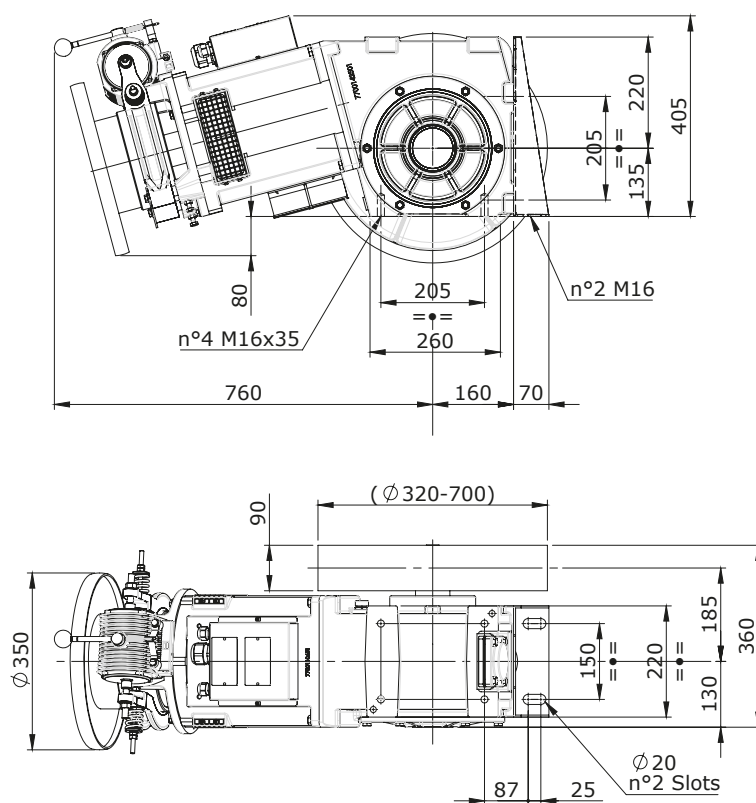
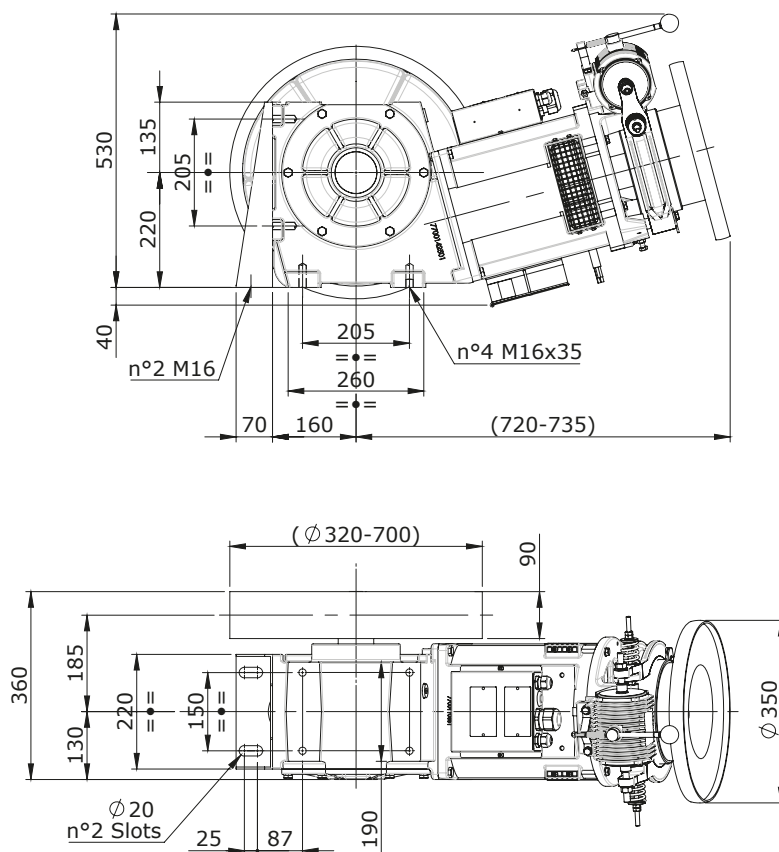
Lubrificato a vita / Oil for life

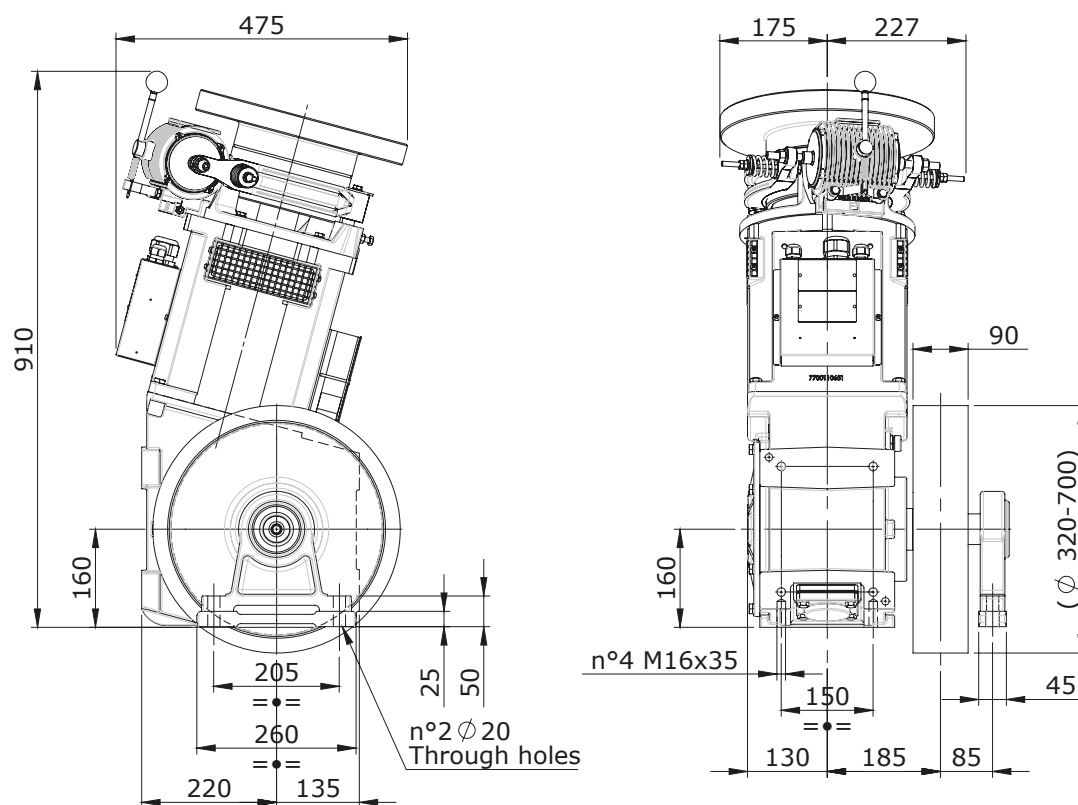
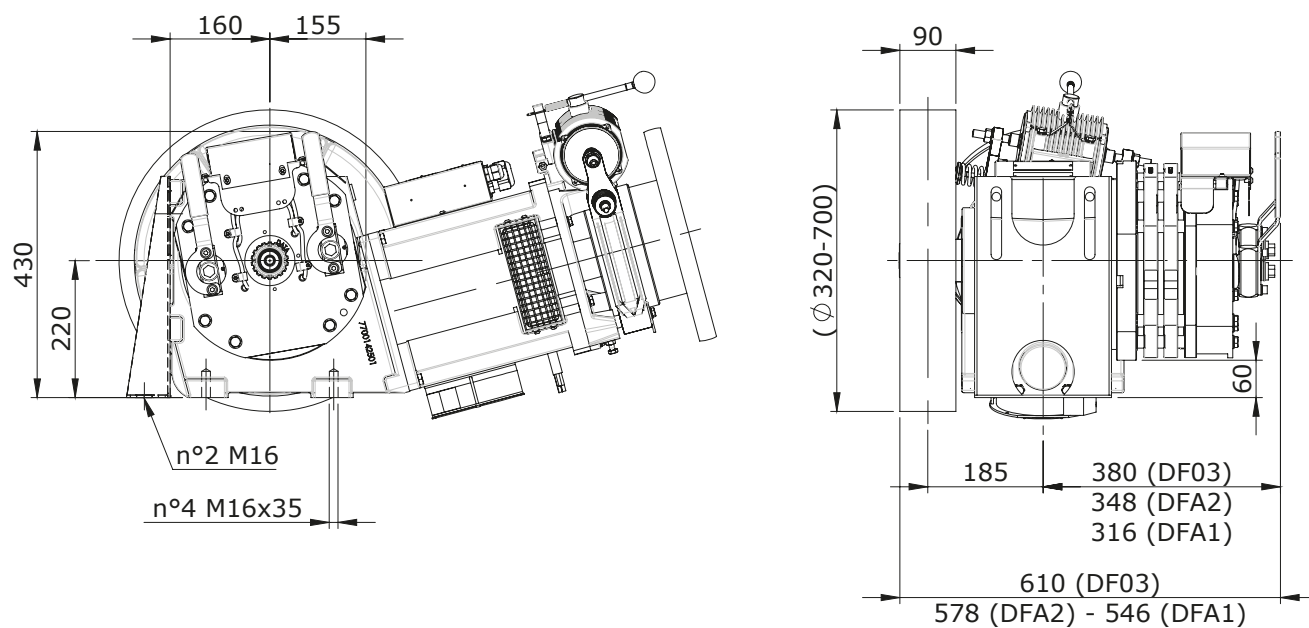
Freno di emergenza disponibile come accessorio / Emergency brake available as optional

Tabella dei pesi (senza puleggia) / Weight table (without sheave)

Tipo motore Motor type	Potenza / Power	Peso / Weight
	[kW]	[kg]
4/16	3,5 ÷ 4,0	202
	4,9	210
	5,5	218
VVVF	3,3 ÷ 5,9	181
	6,3 ÷ 7,3	186
	7,7 ÷ 11	192

**LEO****Configurazioni / Configurations****LEO****Verticale / Vertical**



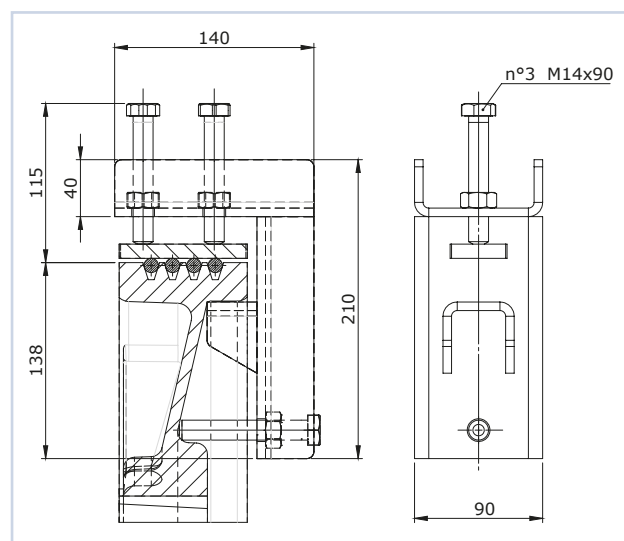


**LEO**

Accessori / Accessories

Pulegge / Sheaves

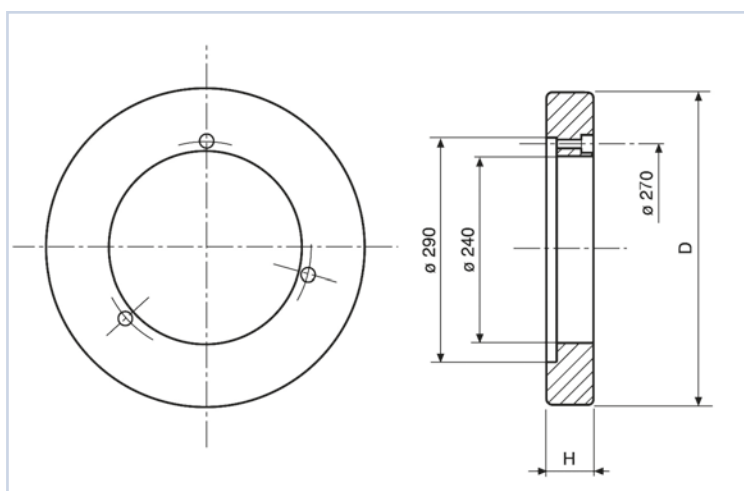
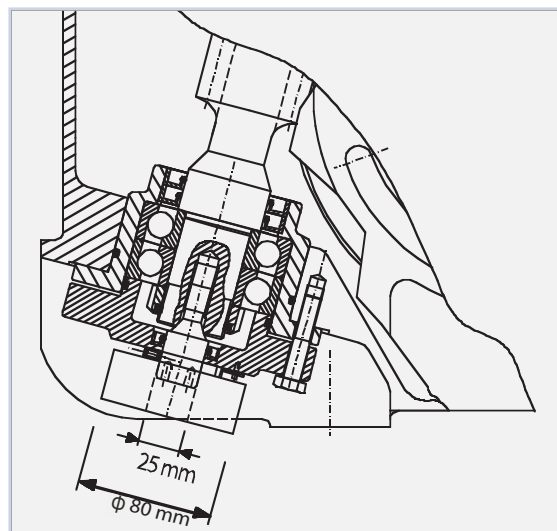
Ø Funi Ø Ropes	Ø Pul. min Ø Sheave min	Passo / Pitch				L [mm] 90
		3 gole 3 grooves	4 gole 4 grooves	5 gole 5 grooves	6 gole 6 grooves	
[mm]	[mm]	[mm]				[kg]
8	320	17	17	17	14	24
8 - 9	360	17	17	17	14	26,5
10	400	17	17	17		28,8
11	450	17	17	17		33,2
12	480	17	17	17		34,6
13	520	20	20			37,9
14	560	20	20			40,8
15	600	21	21			42
16	650	21	21			45
16	700	21	21			48

Bloccafuni / Ropes clamp**Volani / Fly-wheels**

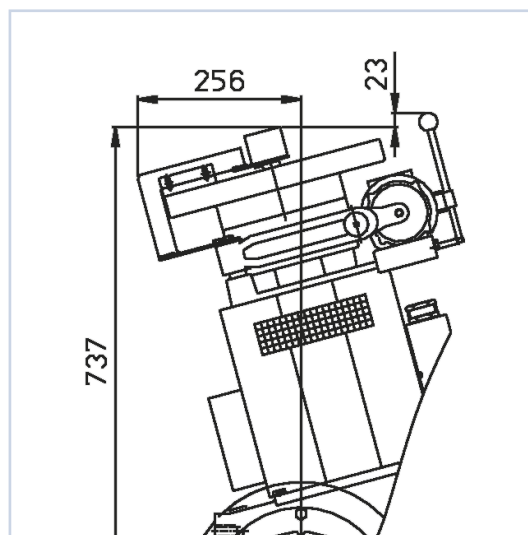
Tipo volano Fly-wheel type	D	H	J**	Peso Weight
	[mm]	[mm]	[kgm²]	[kg]
260 - 15 A*	15	63	0,024	2,7
350 - 28 P***	28	74	0,012	0,8
350 - 35	35	75	0,275	16
350 - 43	43	83	0,375	19
350 - 50	50	90	0,3925	20,7

* In alluminio / In aluminium ** $J = \frac{GD^2}{4}$

*** In plastic / In plastic

**Attacco con encoder / Coupling for encoder**

Lato motore
Motor side



Lato reggispinta
Thrustbearingside



ARGANI / GEARED MACHINES

| LEO |

ALBERTO SASSI

19

Tipo motore
Motor Type **4/16**

LEO

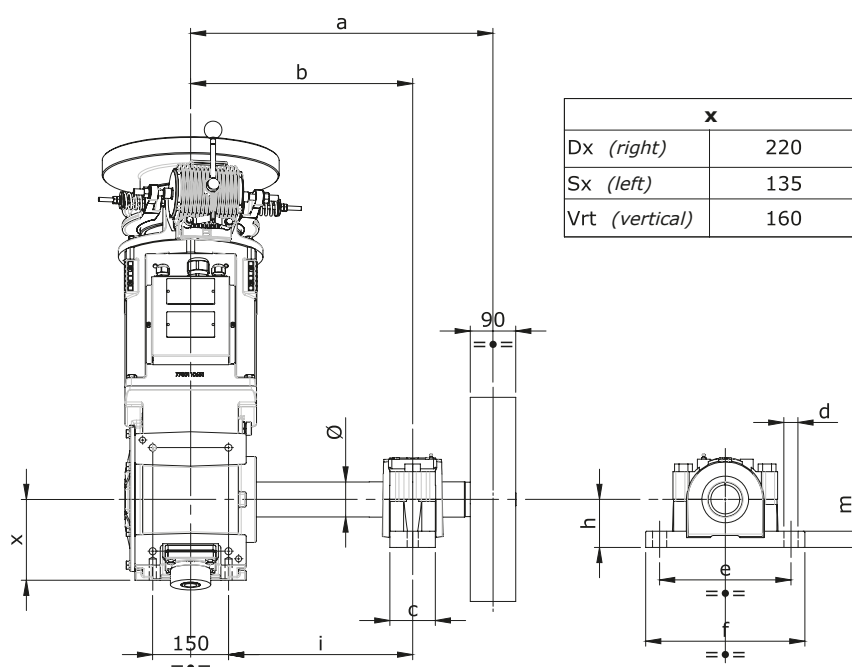
Velocità giri min / Speed rpm **1500 rpm**
Carico statico max / Max static load **3000 kg**

Differenza di tiro in kg con rendimento del vano = 0,8 Out of balance load in kg with shaft efficiency = 0,8										Velocità Speed	Rapporto Ratio	Ø Puleggia Ø Sheave
kW 3,5	kW 4,0	kW 4,9	kW 5,5							kW SYNC		
[kg]										[m/s]		[mm]
508										0,35	1/71	320
476										0,39	1/71	360
422										0,44	1/71	400
412	472	576								0,46	1/55	320
379										0,49	1/71	450
386	442	539								0,51	1/55	360
350										0,53	1/71	480
352	402	490	550							0,56	1/45	320
345	396	482								0,57	1/55	400
325										0,57	1/71	520
304										0,61	1/71	560
330	378	461	516							0,62	1/45	360
308	353	429								0,64	1/55	450
281										0,66	1/71	600
290	332	404								0,68	1/55	480
297	340	414	464							0,69	1/45	400
294	337	412	460							0,71	2/71	320
258										0,72	1/71	650
266	305	371								0,74	1/55	520
240										0,77	1/71	700
262	301	366	410							0,78	1/45	450
249	286	348								0,79	1/55	560
276	316	386	432							0,80	2/71	360
247	283	344	386							0,83	1/45	480
232	265	323								0,85	1/55	600
240	276	336	378							0,88	2/57	320
248	284	346	388							0,88	2/71	400
227	261	318	356							0,90	1/45	520
212	245	300								0,92	1/55	650
211	242	295	330							0,97	1/45	560
226	259	316	354							1,00	2/57	360
220	253	308	345							1,00	2/71	450
195	225	275								1,00	1/55	700
197	226	275	308							1,04	1/45	600
206	236	287	322							1,06	2/71	480
203	233	284	318							1,10	2/57	400
181	208	252	284							1,13	1/45	650
190	217	265	297							1,15	2/71	520
165	190	230	260							1,22	1/45	700
177	203	248	277							1,23	2/71	560
180	207	252	282							1,24	2/57	450
170	194	237	265							1,32	2/57	480
165	189	231	258							1,32	2/71	600
157	179	219	245							1,43	2/57	520
152	174	213	239							1,43	2/71	650
145	167	203	227							1,54	2/57	560
140	160	195	220							1,55	2/71	700
140	160	195	220							1,60	3/47	320
136	156	190	212							1,65	2/57	600
125	143	175	196							1,79	2/57	650
131	150	183	205							1,80	3/47	360
115	130	160	180							1,93	2/57	700
118	135	165	184							2,00	3/47	400
105	120	146	164							2,25	3/47	450
98	112	137	154							2,40	3/47	480
91	104	127	142							2,60	3/47	520
84	96	118	132							2,80	3/47	560
78	90	110	123							3,00	3/47	600
71	82	100	114							3,25	3/47	650
65	75	90	105							3,51	3/47	700



Tipo motore Motor Type		LEO										Velocità giri min / Speed rpm 1500 rpm		
												Carico statico max / Max static load 3000 kg		
Differenza di tiro in kg con rendimento del vano = 0,8 Out of balance load in kg with shaft efficiency = 0,8												Velocità Speed	Rapporto Ratio	Ø Puleggia Ø Sheave
kW 3,3	kW 3,7	kW 4,0	kW 4,8	kW 5,5	kW 5,9	kW 6,3	kW 6,6	kW 7,3	kW 9,2	kW 11,0	kW SYNC			
[kg]												[m/s]		[mm]
540	601											0,35	1/71	320
492	547											0,39	1/71	360
436	485											0,44	1/71	400
444	498	539	646	666								0,46	1/55	320
392	435											0,49	1/71	450
400	444	488	577	595								0,51	1/55	360
362	403											0,53	1/71	480
378	424	458	550	630	653							0,56	1/45	320
357	397	437	516	532								0,57	1/55	400
337	374											0,57	1/71	520
315	350											0,61	1/71	560
342	380	418	494	570	585							0,62	1/45	360
318	354	389	460	474								0,64	1/55	450
291	323											0,66	1/71	600
300	333	366	433	446								0,68	1/55	480
307	341	375	444	512	526							0,69	1/45	400
317	356	385	462	530	569	607	636					0,71	2/71	320
270	298											0,72	1/71	650
275	306	337	398	410								0,74	1/55	520
249	277											0,77	1/71	700
272	302	332	393	453	465							0,78	1/45	450
258	287	315	373	384								0,79	1/55	560
286	318	349	413	477	508	540	572					0,80	2/71	360
255	284	312	369	426	437							0,83	1/45	480
240	266	293	346	357								0,85	1/55	600
261	293	317	381	436	468	500	524	580				0,88	2/57	320
256	285	314	371	428	456	485	514					0,88	2/71	400
235	262	288	340	393	403							0,90	1/45	520
223	245	265	318	325								0,92	1/55	650
218	243	267	316	364	374							0,97	1/45	560
234	260	286	338	391	417	443	469	521				1,00	2/57	360
228	253	279	330	380	406	431	457					1,00	2/71	450
206	229	252	297	307								1,00	1/55	700
204	226	249	294	340	349							1,04	1/45	600
213	237	260	308	355	379	403	426					1,06	2/71	480
211	234	258	304	351	375	398	422	469				1,10	2/57	400
186	208	225	270	310	321							1,13	1/45	650
196	218	240	284	327	349	371	393					1,15	2/71	520
174	193	212	251	290	297							1,22	1/45	700
183	204	224	265	306	327	347	367					1,23	2/71	560
187	208	228	270	312	333	353	374	416				1,24	2/57	450
175	195	215	254	293	312	332	352	391				1,32	2/57	480
171	190	209	247	285	304	323	342					1,32	2/71	600
162	180	198	234	270	288	306	325	361				1,43	2/57	520
156	175	189	227	261	280	299	313					1,43	2/71	650
150	167	184	217	251	268	285	301	335				1,54	2/57	560
147	163	179	212	245	261	277	294					1,55	2/71	700
151	169	183	220	253	271	290	303	336	424	507		1,60	3/47	320
140	156	172	203	234	250	266	281	313				1,65	2/57	600
128	144	156	187	215	230	246	258	285				1,79	2/57	650
135	150	166	196	226	241	257	272	302	378	454		1,80	3/47	360
121	134	148	174	201	215	228	242	269				1,93	2/57	700
122	135	149	176	204	217	231	245	272	340	408		2,00	3/47	400
108	120	132	157	181	193	205	217	242	302	363		2,25	3/47	450
101	113	124	147	170	181	192	204	227	283	340		2,40	3/47	480
94	104	115	136	157	167	178	188	209	262	314		2,60	3/47	520
87	97	106	126	145	155	165	175	194	243	292		2,80	3/47	560
81	90	99	118	136	145	154	163	181	227	272		3,00	3/47	600
74	83	90	108	124	133	142	149	165	208	249		3,25	3/47	650
70	77	85	101	116	124	132	140	155	194	233		3,51	3/47	700





a	b	Max Static Load		Ø	c	d	e	f	h	i	m
		Ropes direction									
		Down / Sidwards	Upwards								
[mm]	[mm]	[kg]	[kg]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]
500	380	2400	2500	70	90	22	260	315	95	305	32
	370	2100	2000							295	
	360	1750	1850							285	
	350	1500	1600							275	
	340	1300	1400							265	
	330	1150	1250							255	
500	360	2300	2400	75	90	22	260	320	95	285	32
	350	2000	2100							275	
	340	1750	1850							265	
	330	1500	1600							255	
	320	1350	1450							245	
500	360	2900	3000	80	100	22	290	345	100	285	35
	350	2500	2600							275	
	340	2150	2250							265	
	330	1900	2000							255	
	320	1650	1750							245	
600	480	2500	2600	70	90	22	260	315	95	405	32
	470	2100	2200							395	
	460	1750	1850							385	
	450	1500	1600							375	
	440	1300	1400							365	
	430	1150	1250							355	
600	460	2300	2400	75	90	22	260	320	95	385	32
	450	2000	2100							375	
	440	1750	1850							365	
	430	1550	1650							355	
	420	1350	1450							345	
600	460	2900	3000	80	100	22	290	345	100	385	35
	450	2550	2650							375	
	440	2200	2300							365	
	430	1950	2050							355	
	420	1700	1800							345	



**TORO****Dati generali / General data****TORO**

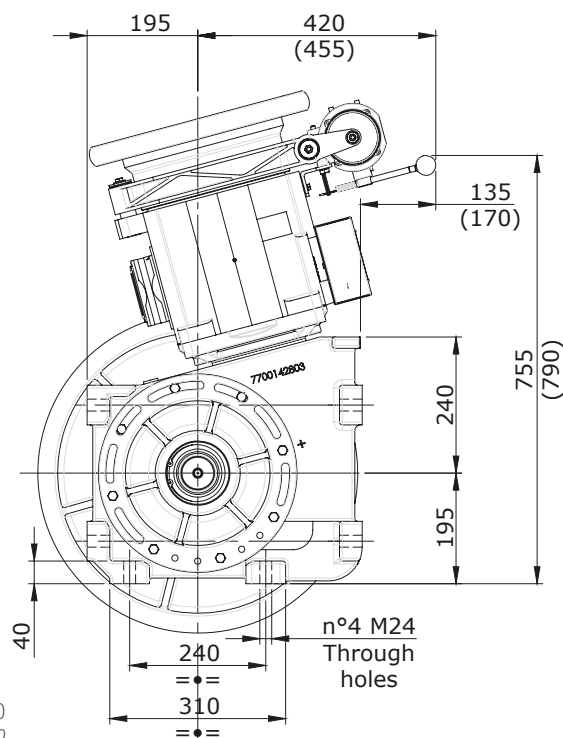
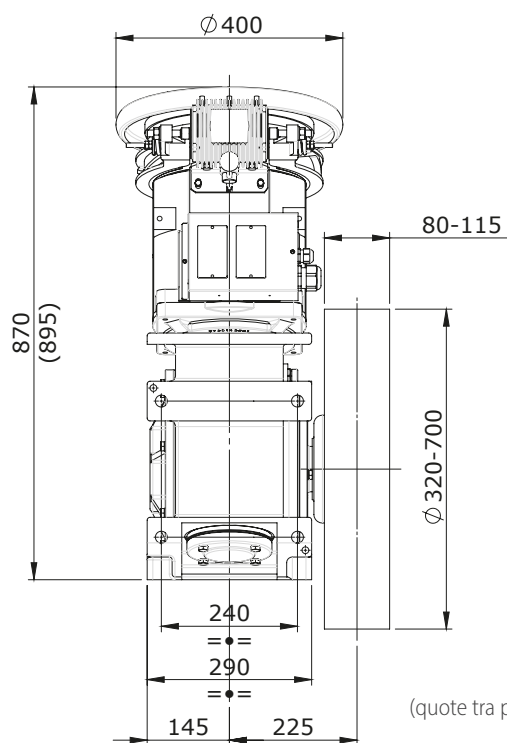
TORO	
Carico statico max. / Max. Static load [kg]	4200
Rapporti / Ratio	1/61 - 1/49 - 1/39 - 2/53 - 3/47
Regolazione / Speed control	VVVF - 4/16 poli
Gamma potenze (4/16 poli) Powers range (4/16 poles) [kW SYNC]	3,5 ÷ 11
Gamma potenze (VVVF a 4 poli) Powers range (VVVF at 4 poles) [kW SYNC]	3,3 ÷ 20,6
Momento d'inerzia J Moment of inertia J [kgm²]	0,218 ÷ 0,375

Lubrificato a vita / Oil for life

Freno di emergenza disponibile come accessorio / Emergency brake available as optional

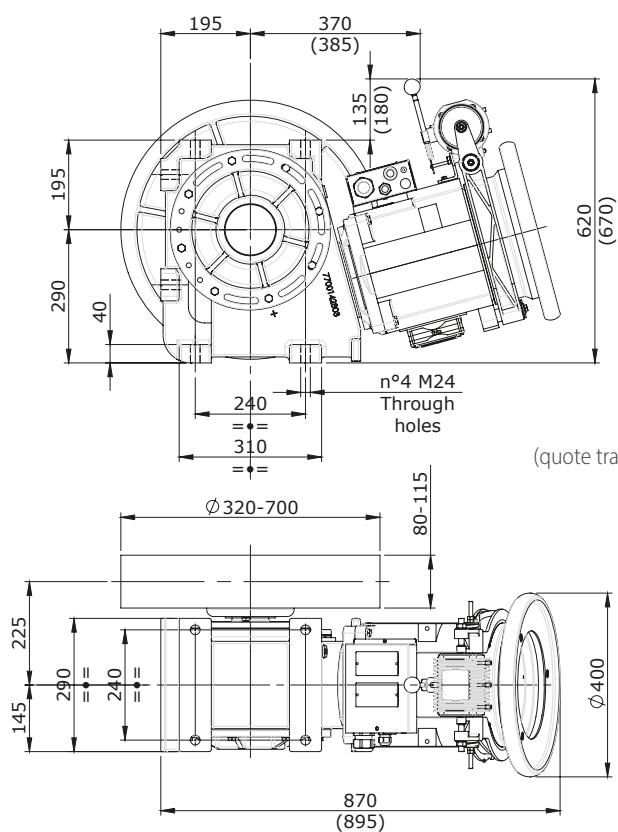
Tabella dei pesi (senza volano e puleggia)
Weight table (without fly-wheel sheave)

Tipo motore Motor type	Potenza Power	Peso Weight	Potenza Power	Peso Weight
	[kW]	[kg]	[kW]	[kg]
4/16	3,5 ÷ 4,0	246	6,0 ÷ 7,3	269
	4,9	251	9,2	289
	5,5	257	11	299
VVVF	3,3 ÷ 5,9	246	11,4 ÷ 13,2	269
	6,3 ÷ 7,3	251	13,6 ÷ 17,6	289
	7,7 ÷ 11	257	18 ÷ 20,6	299

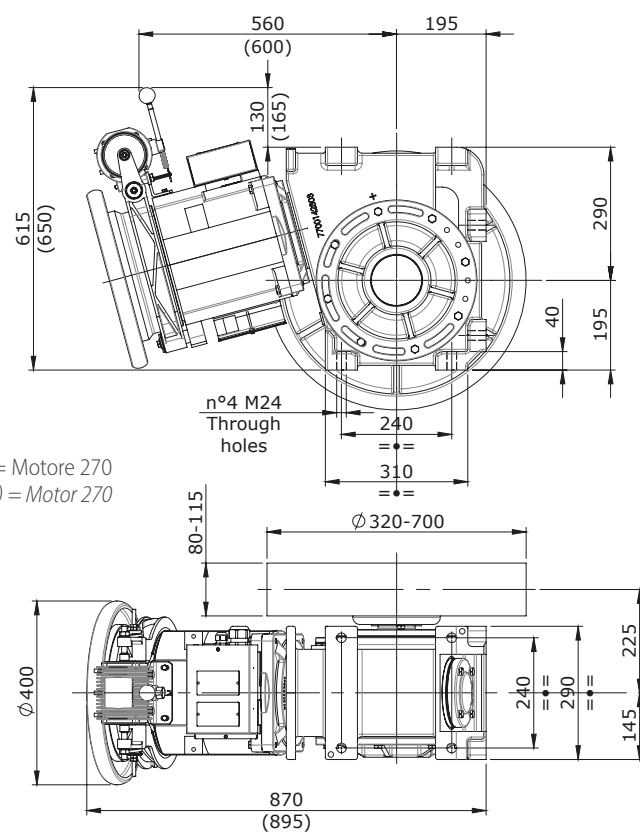
**TORO****Configurazioni / Configurations****TORO****Verticale / Vertical**

TORO

Orizzontale destro
Horizontal right

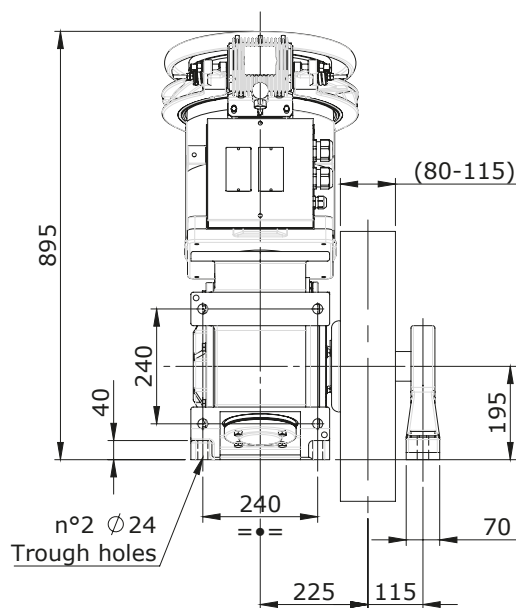
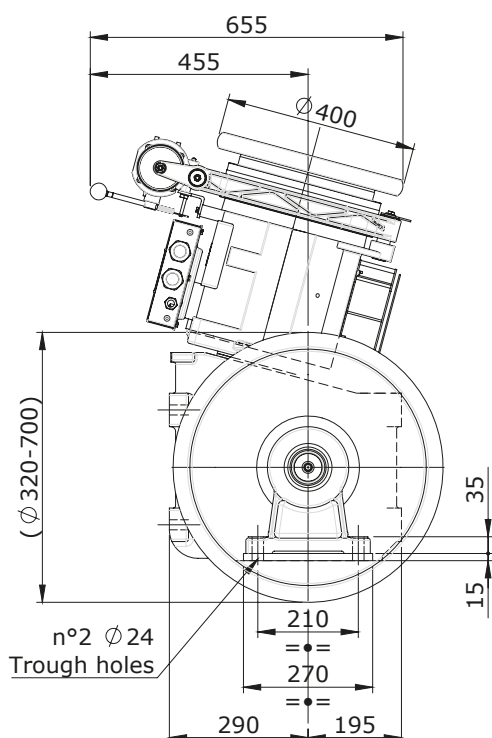


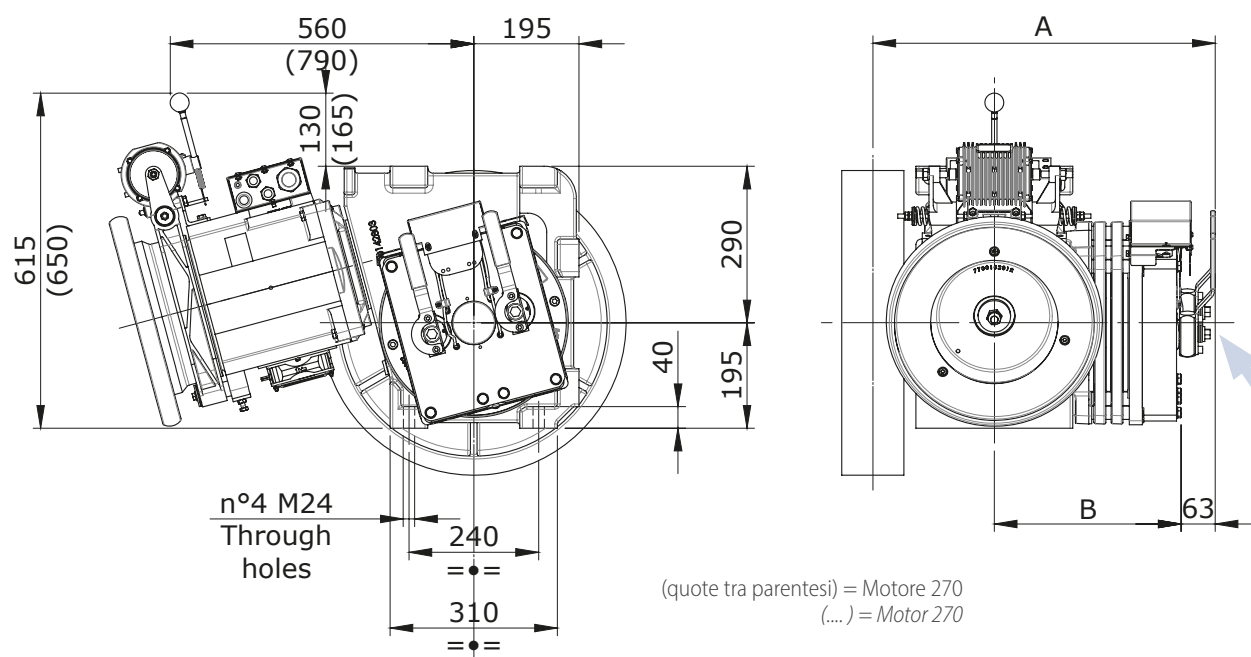
Orizzontale sinistro
Horizontal left



TORO

Con supporto esterno - Accessorio a richiesta
With outboard bearing - Accessory on request

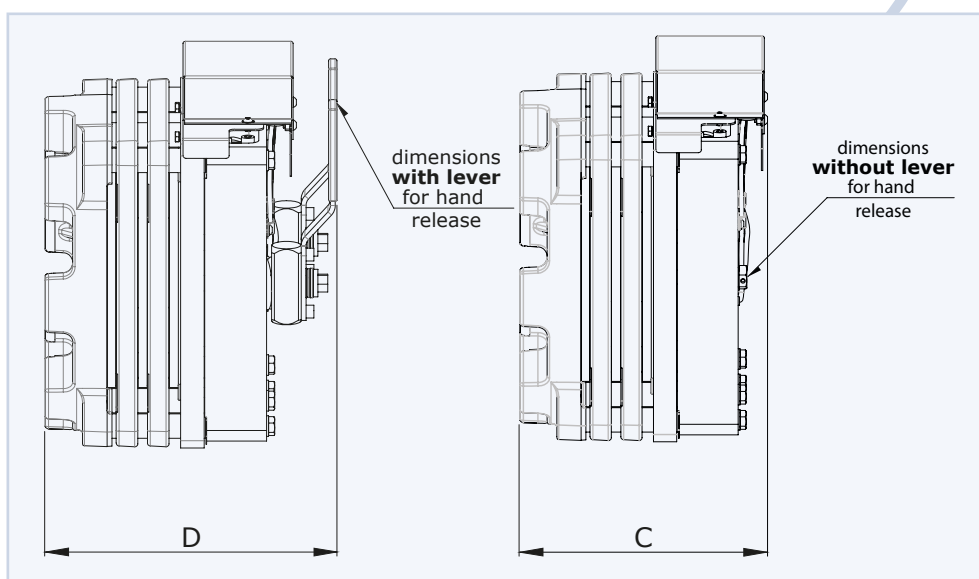




Dimensioni
Dimensions [mm]

	DQ02	DQ03
A	609	635
B	320	346
C	342	368
D	383	409

Con freno di emergenza
 DQ02-DQ03 su albero lento.
 With emergency brake DQ02-DQ03
 on slow shaft.





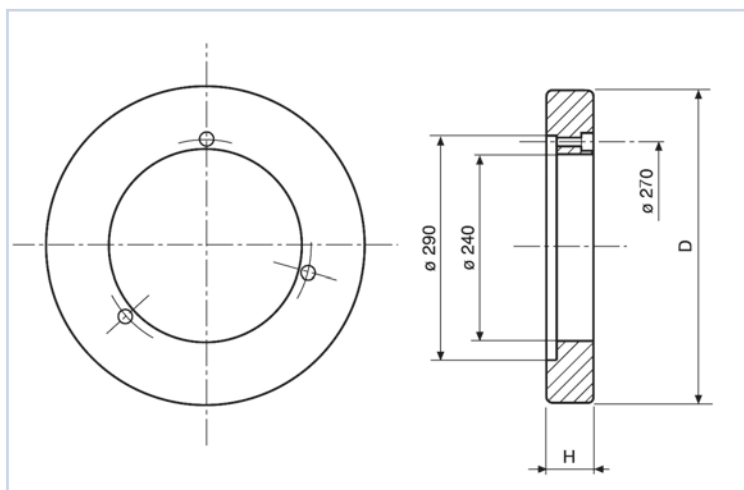
Pulegge a disco / Disc sheaves

Ø [mm]	N. gole / N. grooves	2 ÷ 3			4			5			6	7
	Ø Funi / Ø Ropes	8÷12	13÷14	15÷16	8÷12	13÷14	15÷16	8÷12	13÷14	15÷16	8÷12	8÷9
	Passo / Pitch [mm]	17	20	21	17	20	21	17	20	21	17	14
320	[mm]	115			115			115			115	115
	[kg]	41			41			41			41	41
360	[mm]	115			115			115			115	115
	[kg]	48			48			48			48	48
400	[mm]	115			115			115			115	115
	[kg]	55			55			55			55	55
450	[mm]	80		80	115			115			115	115
	[kg]	59		59	75			75			75	75
480	[mm]	80		80	115			115			115	115
	[kg]	64		64	80			80			80	80
520	[mm]	80		80	115			115			115	115
	[kg]	70		70	90			90			90	90
560	[mm]	80		80	115			115			115	115
	[kg]	73		73	97			97			97	97
600	[mm]	80		80	115			115			115	115
	[kg]	81		81	105			105			105	105
650	[mm]	115			115			115			115	115
	[kg]	115			115			115			115	115
700	[mm]	115			115			115			115	115
	[kg]	125			125			125			125	125

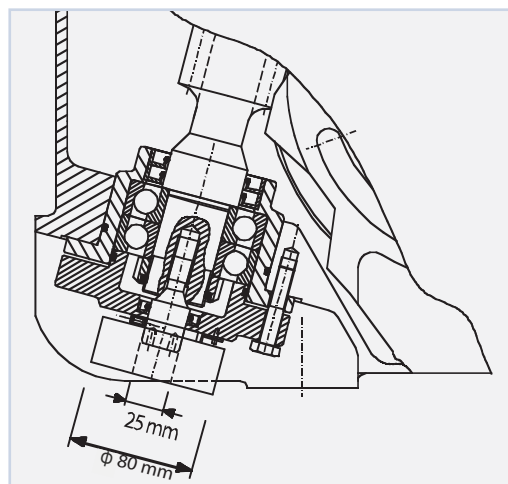
Volani / Fly-wheels

Tipo volano Fly-wheel type	D	H	J	Peso Weight
	[mm]	[mm]	[kgm²]	[kg]
400-32 P*	400	32	0,025	1,0
382-24 MC	382	24	0,275	8,0
400-26 MC	400	26	0,375	10,0
400-33 MC	400	33	0,467	15,0
400-43 MC	400	43	0,600	20,0
460-25 MF	460	25	0,700	22,0

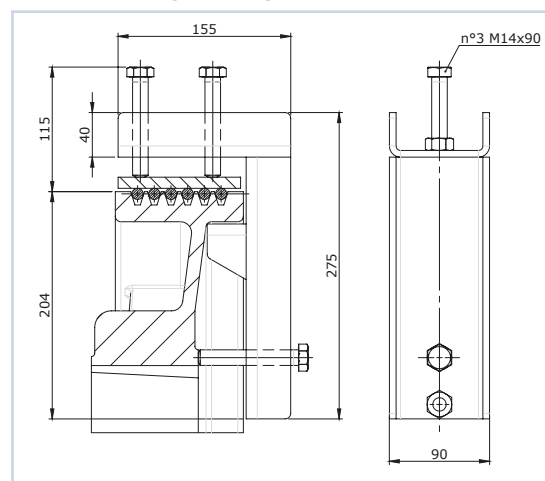
* In plastic / In plastic



Attacco con encoder / Coupling for encoder

Lato reggispira
Thrustbearingside

Bloccafuni / Ropes clamp



Tipo motore
Motor Type **4/16**

TORO

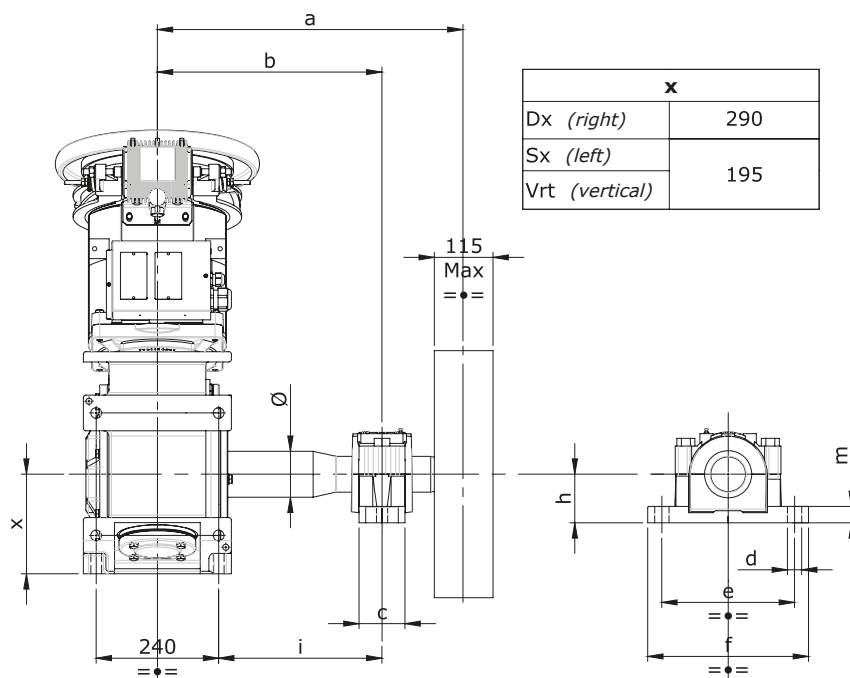
Velocità giri min / Speed rpm **1500 rpm**
Carico statico max / Max static load **4200 kg**

Differenza di tiro in kg con rendimento del vano = 0,8 Out of balance load in kg with shaft efficiency = 0,8									Velocità Speed	Rapporto Ratio	Ø Puleggia Ø Sheave
kW 3,5	kW 4,0	kW 4,9	kW 5,5	kW 6,0	kW 7,3	kW 9,2	kW 11,0	kW SYNC			
[kg]									[m/s]		[mm]
460	530	660	740	815	1005	1100			0,41	1/61	320
410	475	585	660	725	895	975			0,46	1/61	360
385	445	550	620	680	835	1045	1065		0,51	1/49	320
370	430	530	595	655	805	880			0,51	1/61	400
340	395	490	555	610	750	935	950		0,57	1/49	360
330	385	475	535	585	720	790			0,57	1/61	450
310	360	440	500	550	675	740			0,61	1/61	480
315	365	450	510	560	690	870	1005		0,64	1/39	320
305	355	435	495	540	665	840	855		0,64	1/49	400
285	330	410	460	505	625	685			0,66	1/61	520
280	325	400	450	495	610	770	890		0,72	1/39	360
270	315	390	440	480	590	710	770		0,72	1/49	450
260	305	375	420	465	570	630			0,72	1/61	560
255	300	370	415	455	560	670	730		0,76	1/49	480
245	285	350	395	435	535	590			0,77	1/61	600
250	290	360	405	445	550	695	805		0,80	1/39	400
235	270	335	380	415	515	620	670		0,83	1/49	520
225	265	325	365	400	495	545			0,83	1/61	650
220	255	315	355	390	480	575	650		0,89	1/49	560
225	260	320	360	395	490	615	715		0,90	1/39	450
210	240	300	340	370	455	500			0,90	1/61	700
225	260	325	365	400	495	620	750		0,94	2/53	320
210	245	300	340	375	460	580	675		0,96	1/39	480
205	235	290	330	360	445	535	620		0,96	1/49	600
195	225	280	315	345	425	535	620		1,04	1/39	520
185	215	270	305	335	410	510	600		1,04	1/49	650
200	230	285	325	355	435	550	665		1,06	2/53	360
180	210	260	290	320	395	495	576		1,12	1/39	560
175	200	250	280	310	380	460	535		1,12	1/49	700
180	210	255	290	320	395	495	600		1,18	2/53	400
170	195	240	270	300	365	465	535		1,20	1/39	600
155	180	220	250	275	340	425	495		1,30	1/39	650
160	185	230	255	285	350	440	530		1,33	2/53	450
145	165	205	230	255	315	395	460		1,40	1/39	700
150	175	215	240	265	325	410	495		1,42	2/53	480
135	160	195	220	245	300	380	460		1,54	2/53	520
135	160	195	220	245	300	380	460		1,60	3/47	320
130	150	185	205	230	280	355	430		1,65	2/53	560
120	140	170	195	210	260	330	400		1,77	2/53	600
120	140	175	195	215	265	335	405		1,80	3/47	360
110	130	160	180	195	240	305	365		1,92	2/53	650
110	125	155	175	195	240	305	365		2,00	3/47	400
100	120	145	165	180	225	280	340		2,07	2/53	700
95	110	140	155	175	215	270	325		2,25	3/47	450
90	105	130	145	160	200	250	305		2,40	3/47	480
85	95	120	135	150	185	235	280		2,60	3/47	520
75	90	110	125	140	170	215	260		2,80	3/47	560
70	85	105	120	130	160	200	245		3,00	3/47	600
65	80	95	110	120	145	185	225		3,25	3/47	650
60	70	90	100	110	135	175	210		3,50	3/47	700



Differenza di tiro in kg con rendimento del vano = 0,8 Out of balance load in kg with shaft efficiency = 0,8															Velocità Speed	Rapporto Ratio	Ø Puleggia Ø Sheave
kW 3,3	kW 4,0	kW 4,8	kW 5,9	kW 7,3	kW 9,2	kW 11,0	kW 12,1	kW 13,2	kW 14,7	kW 16,2	kW 17,6	kW 19,1	kW 20,6	kW SYNC			
[kg]															[m/s]		[mm]
505	618	730	899	1124	1236										0,41	1/61	320
450	551	651	801	1001	1102										0,46	1/61	360
422	516	610	752	940	1175	1278									0,51	1/49	320
406	497	587	723	903	994										0,51	1/61	400
378	462	546	672	841	1051	1144									0,57	1/49	360
363	444	525	646	808	889										0,57	1/61	450
340	415	491	604	755	831										0,61	1/61	480
348	426	504	621	776	971	1165	1242								0,64	1/39	320
336	411	486	599	749	936	1019									0,64	1/49	400
314	384	454	558	698	768										0,66	1/61	520
310	379	448	552	690	863	1035	1104								0,72	1/39	360
299	366	432	532	666	832	905									0,72	1/49	450
288	352	416	512	640	704										0,72	1/61	560
283	347	410	504	631	788	858									0,76	1/49	480
269	329	389	479	598	658										0,77	1/61	600
279	341	403	497	621	776	932	994								0,80	1/39	400
259	317	375	462	577	722	785									0,83	1/49	520
250	305	361	444	555	611										0,83	1/61	650
242	296	350	431	538	673	732									0,89	1/49	560
248	303	358	441	552	690	828	884								0,90	1/39	450
230	281	333	409	512	563										0,90	1/61	700
251	307	363	447	559	699	840	924	1008	1120	1165					0,94	2/53	320
232	284	336	414	517	647	777	828								0,96	1/39	480
224	274	324	399	499	624	679									0,96	1/49	600
214	262	310	382	478	597	717	765								1,04	1/39	520
207	253	299	369	461	576	627									1,04	1/49	650
222	272	322	396	496	620	744	819	894	993	1033					1,06	2/53	360
199	244	288	355	444	555	666	710								1,12	1/39	560
192	235	278	342	428	535	582									1,12	1/49	700
200	244	289	356	445	557	669	736	803	892	928					1,18	2/53	400
186	227	269	331	414	518	621	663								1,20	1/39	600
172	210	248	306	382	478	573	612								1,30	1/39	650
177	217	256	316	395	494	593	653	712	791	823					1,33	2/53	450
159	195	230	284	355	444	532	568								1,40	1/39	700
166	203	240	296	370	463	556	611	667	741	771					1,42	2/53	480
153	187	221	273	341	427	512	564	615	684	711					1,54	2/53	520
153	187	222	273	342	428	514	566	617	686	755	824	893	961		1,60	3/47	320
143	175	207	255	319	398	478	526	574	638	663					1,65	2/53	560
133	163	193	237	297	371	446	491	535	595	619					1,77	2/53	600
136	166	197	243	304	381	457	503	549	610	671	732	793	855		1,80	3/47	360
123	150	178	219	274	342	411	452	493	548	570					1,92	2/53	650
122	150	177	219	274	343	411	453	494	549	604	659	714	769		2,00	3/47	400
114	139	165	203	254	318	381	419	458	509	529					2,07	2/53	700
109	133	158	194	243	304	366	402	439	488	537	586	635	684		2,25	3/47	450
102	125	148	182	228	285	343	377	412	457	503	549	595	641		2,40	3/47	480
94	115	136	168	211	263	316	348	380	422	465	507	549	592		2,60	3/47	520
87	107	127	156	195	245	294	323	353	392	431	471	510	549		2,80	3/47	560
81	100	118	146	182	228	274	302	329	366	403	439	476	513		3,00	3/47	600
75	92	109	135	168	211	253	279	304	338	372	406	439	473		3,25	3/47	650
70	86	101	125	156	196	235	259	282	314	345	377	408	440		3,50	3/47	700



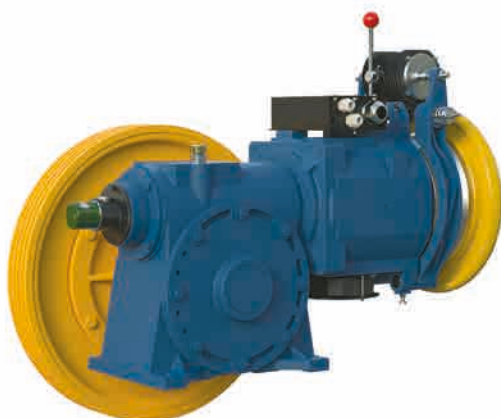


a	b	Max Static Load		Ø	c	d	e	f	h	i	m
		Ropes direction									
		Down / Sidewards	Upwards								
[mm]	[mm]	[kg]	[kg]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]
500	360	2200	2500	70	90	22	260	315	95	240	32
	350	1900	2100							230	
	340	1600	1800							220	
	330	1400	1600							210	
500	360*	3400	3600	80	100	22	290	345	100	240	35
	350	2900	3100							230	
	340	2550	2750							220	
	330	2200	2400							210	
	320	1950	2150							200	
	310	1700	1900							190	
	300	1500	1700							180	
500	360*	5000	5000	90	110	26	320	380	112	240	40
	350	4300	4500							230	
	340	3700	4000							220	
	330	3200	3500							210	
	320	2800	3100							200	
	310	2500	2800							190	
	300	2200	2500							180	
600	460	2600	2800	70	90	22	260	315	95	340	32
	450	2200	2400							330	
	440	1900	2100							320	
	430	1600	1800							310	

a	b	Max Static Load		Ø	c	d	e	f	h	i	m
		Ropes direction									
		Down / Sidewards	Upwards								
[mm]	[mm]	[kg]	[kg]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]
600	460*	3700	3900	80	100	22	290	345	100	340	35
	450	3200	3400							330	
	440	2800	3000							320	
	430	2400	2600							310	
	420	2100	2300							300	
	410	1800	2000							290	
	400	1600	1800							280	
600	460*	5000	5000	90	110	26	320	380	112	340	40
	450	4300	4500							330	
	440	3800	4000							320	
	430	3300	3500							310	
	420	2900	3100							300	
	410	2600	2800							290	
	400	2300	2500							280	
725	585	2750	2950	70	90	22	260	315	95	465	32
	575	2300	2500							455	
	565	2000	2200							445	
	555	1700	1900							435	
	545	1500	1700							425	
725	585*	4000	4200	80	100	22	290	345	100	465	35
	575	3400	3600							455	
	565	2900	3100							445	
	555	2600	2800							435	
	545	2250	2450							425	
	535	2000	2200							415	
	525	1800	2000							405	
725	585*	5000	5000	90	110	26	320	380	112	465	40
	575	4400	4600							455	
	565	3800	4000							445	
	555	3400	3600							435	
	545	3000	3200							425	
	535	2650	2850							415	
	525	2400	2600							405	

* L Max = 115 mm



**MF48****Dati generali / General data****MF48**

Carico statico max. / Max. Static load [kg]	3100
Rapporti / Ratio	1/60 - 1/47 - 2/71 - 3/56
Regolazione / Speed control	VVVF - 4/16 poli
Gamma potenze (4/16 poli) Powers range (4/16 poles) [kW SYNC]	3,5 ÷ 7,3
Gamma potenze (VVVF a 4 poli) Powers range (VVVF at 4 poles) [kW SYNC]	3,3 ÷ 11,4
Momento d'inerzia J Moment of inertia J [kgm ²]	0,011
Capacità olio / Oil capacity [l]	3,8

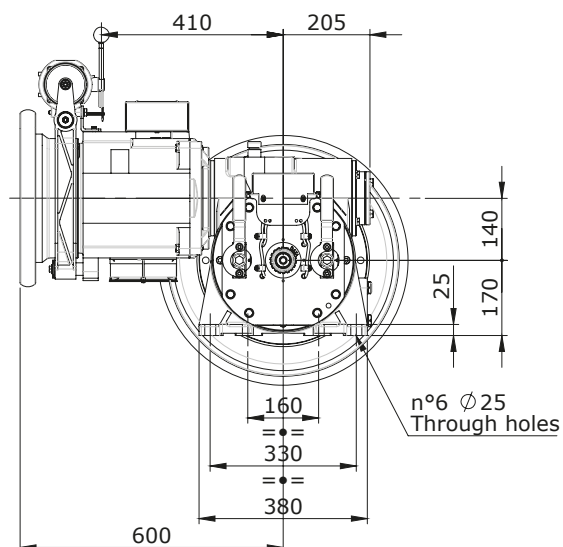
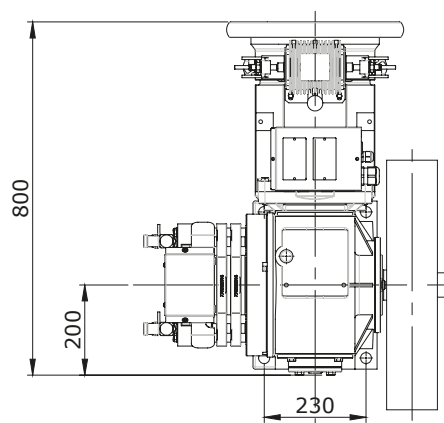
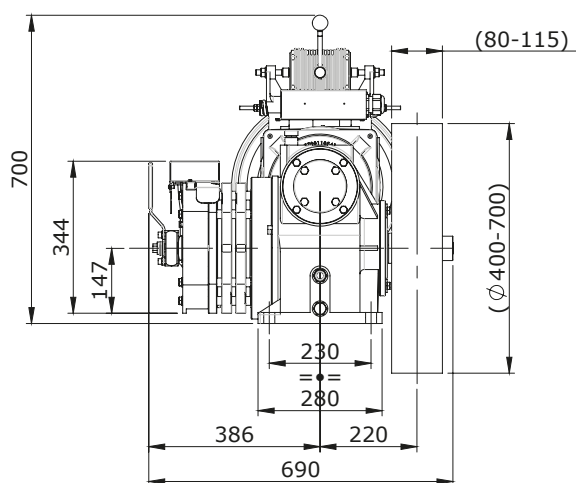
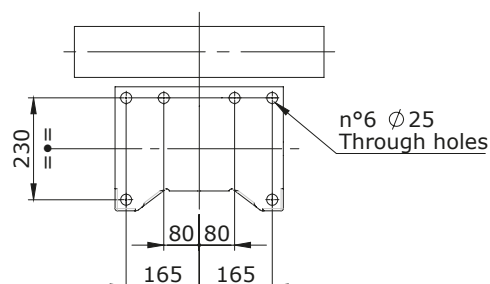
Freno di emergenza disponibile come accessorio / Emergency brake available as optional

MF48

Tabella pulegge, vedi pag. 3
Table pulley, see page 3

Tabella dei pesi (senza volano e puleggia) / Weight table (without fly-wheel sheave)

Tipo motore Motor type	Potenza Power	Peso Weight	Potenza Power	Peso Weight
	[kW]	[kg]	[kW]	[kg]
4/16	3,5 ÷ 4,0	245	5,5	256
	4,9	250	6,0 ÷ 7,3	268
VVVF	3,3 ÷ 5,9	245	7,7 ÷ 11	256
	6,3 ÷ 7,3	250	11,4	268

MF48**Con freno DF03 / With DF03 brake****TOP VIEW FIXING POINTS**

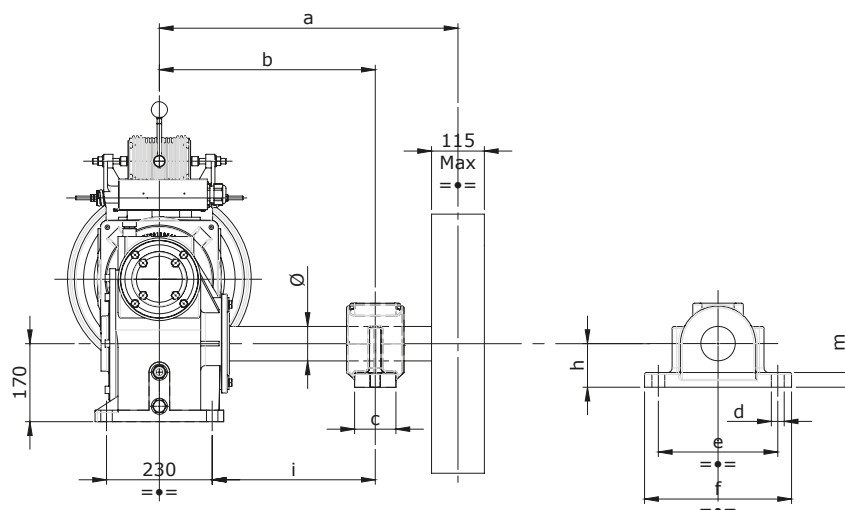
Tipo motore
Motor Type **4/16**

MF48

Velocità giri min / Speed rpm **1500 rpm**
Carico statico max / Max static load **3100 kg**

Differenza di tiro in kg con rendimento del vano = 0,8 Out of balance load in kg with shaft efficiency = 0,8											Velocità Speed	Rapporto Ratio	Ø Puleggia Ø Sheave
kW 3,5	kW 4,0	kW 4,9	kW 5,5	kW 6,0	kW 7,3					kW SYNC			
[kg]											[m/s]	[mm]	
377	432	526	589	613							0,52	1/60	400
338	387	472	528	550							0,58	1/60	450
316	362	442	494	514							0,62	1/60	480
312	357	435	487	533	585						0,66	1/47	400
288	330	403	451	469							0,68	1/60	520
269	308	375	420	437							0,73	1/60	560
274	314	383	429	469	514						0,75	1/47	450
251	288	351	393	409							0,78	1/60	600
257	295	359	402	439	482						0,80	1/47	480
225	260	320	360	375							0,85	1/60	650
239	274	334	374	409	449						0,86	1/47	520
247	284	346	387	423	516						0,88	2/71	400
210	240	300	335	350							0,91	1/60	700
221	253	309	346	378	415						0,93	1/47	560
220	252	307	344	376	459						1,00	2/71	450
206	236	287	321	351	386						1,00	1/47	600
205	235	287	321	351	429						1,06	2/71	480
185	215	260	295	325	355						1,08	1/47	650
189	217	264	296	324	395						1,15	2/71	520
170	200	245	275	300	330						1,16	1/47	700
177	203	247	277	303	369						1,23	2/71	560
165	189	230	258	282	344						1,32	2/71	600
145	170	210	235	255	315						1,43	2/71	650
135	160	195	220	240	295						1,55	2/71	700
139	159	194	217	238	290						1,68	3/56	400
123	141	172	193	211	258						1,89	3/56	450
116	133	162	182	199	242						2,01	3/56	480
107	123	149	167	183	223						2,18	3/56	520
99	114	139	155	170	207						2,35	3/56	560
92	106	129	145	158	193						2,52	3/56	600
80	95	115	130	145	175						2,73	3/56	650
75	90	110	120	135	165						2,94	3/56	700

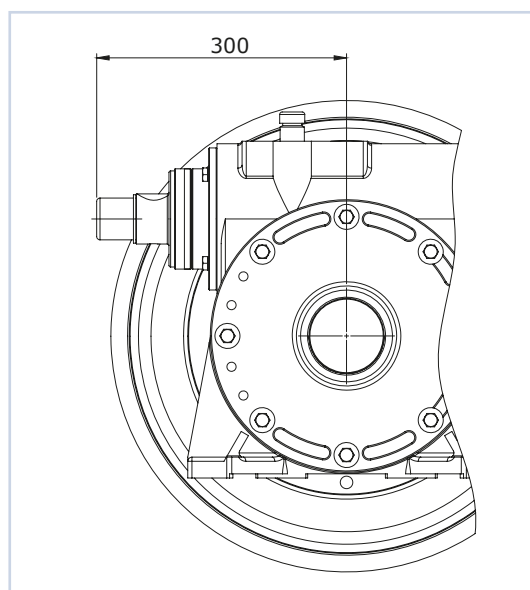
Differenza di tiro in kg con rendimento del vano = 0,8 Out of balance load in kg with shaft efficiency = 0,8										Velocità Speed	Rapporto Ratio	Ø Puleggia Ø Sheave
kW 3,3	kW 4,0	kW 4,8	kW 5,9	kW 7,3	kW 9,2	kW 11,4						
kW SYNC												
[kg]										[m/s]		[mm]
390	477	564	677							0,52	1/60	400
350	428	506	607							0,58	1/60	450
327	400	473	568							0,62	1/60	480
322	394	466	574	645						0,66	1/47	400
298	365	431	517							0,68	1/60	520
278	340	402	482							0,73	1/60	560
284	347	410	505	568						0,75	1/47	450
260	318	376	451							0,78	1/60	600
266	325	384	473	532						0,80	1/47	480
239	292	345	414							0,85	1/60	650
247	303	358	440	495						0,86	1/47	520
256	313	370	456	570						0,88	2/71	400
223	273	322	387							0,91	1/60	700
229	280	331	407	458						0,93	1/47	560
228	278	329	405	507						1,00	2/71	450
213	260	308	379	426						1,00	1/47	600
213	260	307	378	473						1,06	2/71	480
197	241	285	351	394						1,08	1/47	650
196	240	283	349	436						1,15	2/71	520
183	224	265	326	367						1,16	1/47	700
183	224	265	326	408						1,23	2/71	560
171	209	247	304	380						1,32	2/71	600
158	193	228	280	351						1,43	2/71	650
146	179	212	260	326						1,55	2/71	700
143	176	208	256	320	400	497				1,68	3/56	400
127	156	185	227	285	356	442				1,89	3/56	450
120	147	174	214	268	335	415				2,01	3/56	480
111	135	160	197	247	309	383				2,18	3/56	520
103	126	148	183	229	286	355				2,35	3/56	560
96	117	138	171	213	267	331				2,52	3/56	600
88	108	128	157	197	246	306				2,73	3/56	650
82	100	119	146	183	229	284				2,94	3/56	700



a	b	Max Static Load		Ø	c	d	e	f	h	i	m
		Ropes direction									
		Down / Sidewards	Upwards								
[mm]	[mm]	[kg]	[kg]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]
500	380	2500	2700	70	90	22	260	315	95	265	32
	370	2100	2300							255	
	360	1750	2000							245	
	350	1500	1700							235	
	340	1300	1500							225	
	330	1100	1350							215	
500	360	2300	2550	75	90	22	260	320	95	245	32
	350	1950	2200							235	
	340	1700	1950							225	
	330	1500	1700							215	
	320	1300	1550							205	
500	360	2900	3100	80	100	22	290	345	100	245	35
	350	2500	2750							235	
	340	2150	2400							225	
	330	1900	2150							215	
	320	1650	1900							205	
500	360	3600	3850	85	100	22	290	345	112	245	35
	350	3150	3400							235	
	340	2750	3000							225	
	330	2400	2600							215	
	320	2100	2300							205	
600	480	2500	2700	70	90	22	260	315	95	365	32
	470	2100	2300							355	
	460	1750	2000							345	
	450	1500	1750							335	
	440	1300	1550							325	
	430	1150	1400							315	
600	460	2350	2700	75	90	22	260	320	95	345	32
	450	2000	2250							335	
	440	1750	2000							325	
	430	1550	1750							315	
	420	1350	1600							305	



a	b	Max Static Load		Ø	c	d	e	f	h	i	m
		Ropes direction									
		Down / Sidewards	Upwards								
[mm]	[mm]	[kg]	[kg]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]
600	460	2900	3200	80	100	22	290	345	100	345	35
	450	2550	2800							335	
	440	2200	2450							325	
	430	1950	2200							315	
	420	1700	1950							305	
600	460	3750	4000	85	100	22	290	345	112	345	35
	450	3250	3500							335	
	440	2850	3100							325	
	430	2450	2700							315	
	420	2150	2400							305	
650	530	2500	2700	70	90	22	260	315	95	415	32
	520	2100	2350							405	
	510	1750	2000							395	
	500	1500	1750							385	
	490	1300	1550							375	
	480	1150	1400							365	
650	510	2400	2600	75	90	22	260	320	95	395	32
	500	2050	2300							385	
	490	1750	2000							375	
	480	1550	1800							365	
	470	1350	1600							355	
650	510	3000	3250	80	100	22	290	345	100	395	35
	500	2600	2850							385	
	490	2250	2500							375	
	480	1950	2200							365	
	470	1700	1950							355	
650	510	3800	4000	85	100	22	290	345	112	395	35
	500	3300	3500							385	
	490	2850	3100							375	
	480	2450	2700							365	
	470	2200	2400							355	



MF48

Accessori / Accessories

Attacco con encoder / Coupling for encoder

Lato reggispinta
Thrustbearing side



ARGANI / GEARED MACHINES

| **MF48** |

ALBERTO SASSI

35

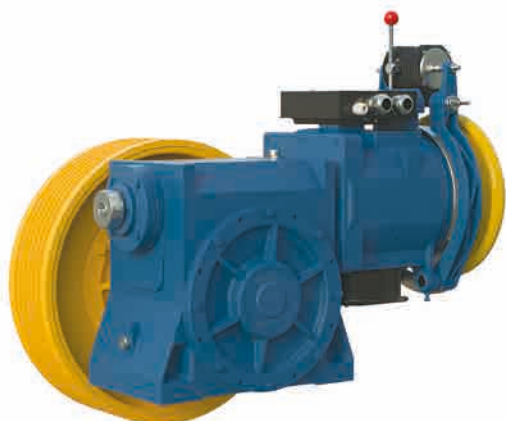
**MF84****Dati generali / General data****MF84**

Tabella pulegge, vedi pag. 3
Table pulley, see page 3

MF84	
Carico statico max. / Max. Static load [kg]	6000
Rapporti / Ratio	1/65 - 1/48 - 1/39 - 2/53 - 2/39 - 3/47
Regolazione / Speed control	VVVF - 4/16 poli
Gamma potenze (4/16 poli) Powers range (4/16 poles) [kW sync]	6,0 ÷ 20,6
Gamma potenze (VVVF a 4 poli) Powers range (VVVF at 4 poles) [kW sync]	5,9 ÷ 27,9
Momento d'inerzia J Moment of inertia J [kgm ²]	0,228 ÷ 0,574

Lubrificato a vita / Oil for life

Freno di emergenza disponibile come accessorio / Emergency brake available as optional

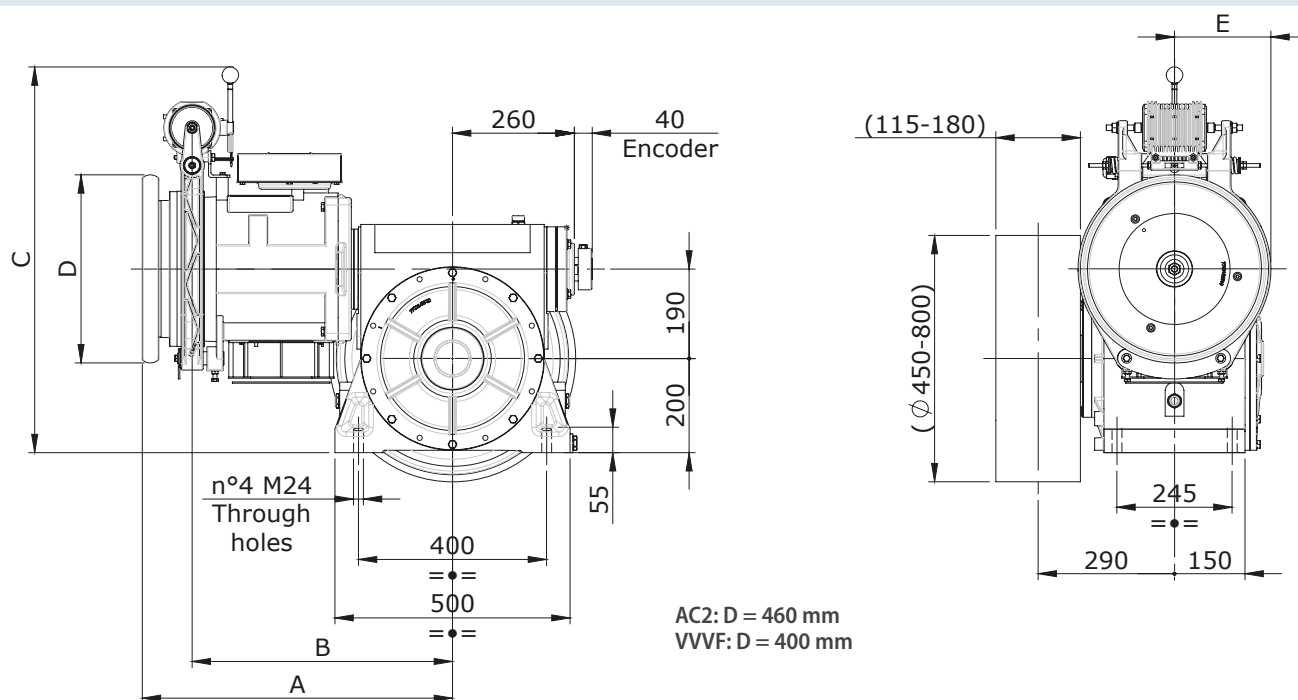
Tabella dei pesi (senza volano e puleggia) / Weight table (without fly-wheel sheave)

Tipo motore Motor type	Potenza Power	Peso Weight	Potenza Power	Peso Weight
	[kW]	[kg]	[kW]	[kg]
4/16	6,0 ÷ 7,3	378	11,8 ÷ 15,4	433
	9,2	412	16,2 ÷ 20,6	454
	11	408		
VVVF	5,9	354	13,6 ÷ 17,6	398
	6,3 ÷ 7,3	359	18 ÷ 20,6	408
	7,7 ÷ 11,0	365	21 ÷ 25	433
	11,4 ÷ 13,2	378	25,1 ÷ 27,9	454



MF84

Motor size 240/270

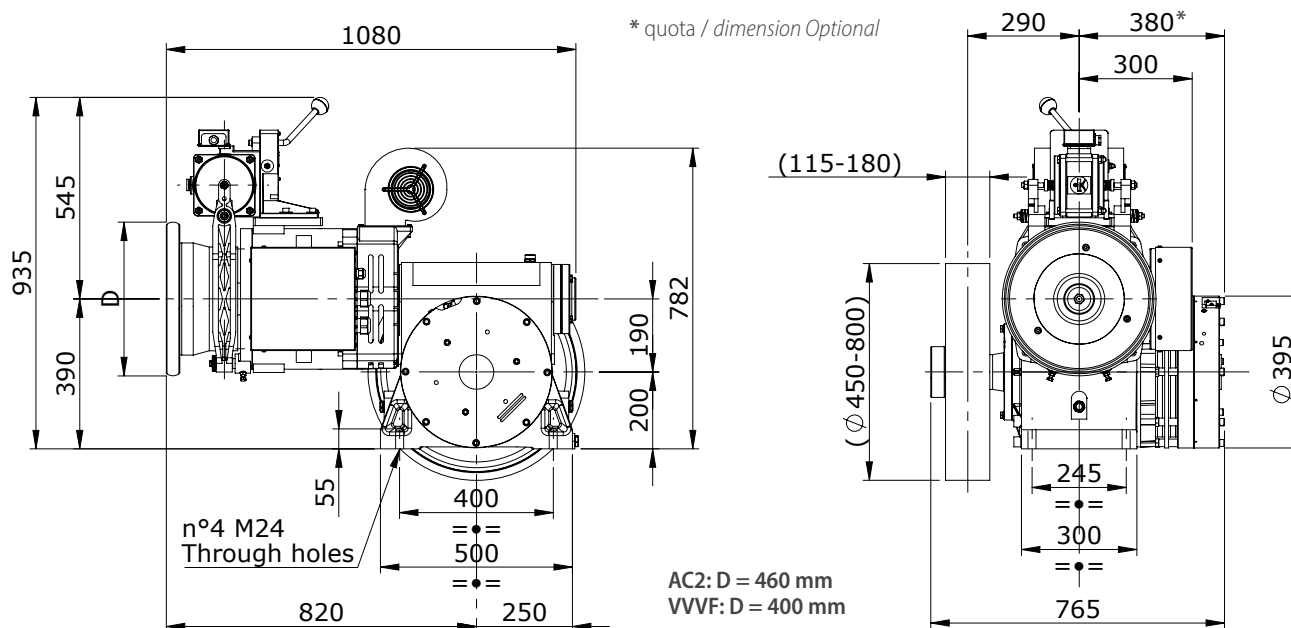


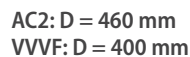
4/16 POLES	Dimensioni / Dimensions [mm]	
Motor size	240	270
kW	6/7,3	9,2/11
A	630	660
B	530	555
C	780	820
D	400	460
E	200	205

VVF	Dimensioni / Dimensions [mm]	
Motor size	240	270
kW	5,9/13,2	13,6/20,6
A	630	660
B	530	555
C	780	820
D	400	400
E	200	205

MF84

Motor size 330 + Warner brake 5800





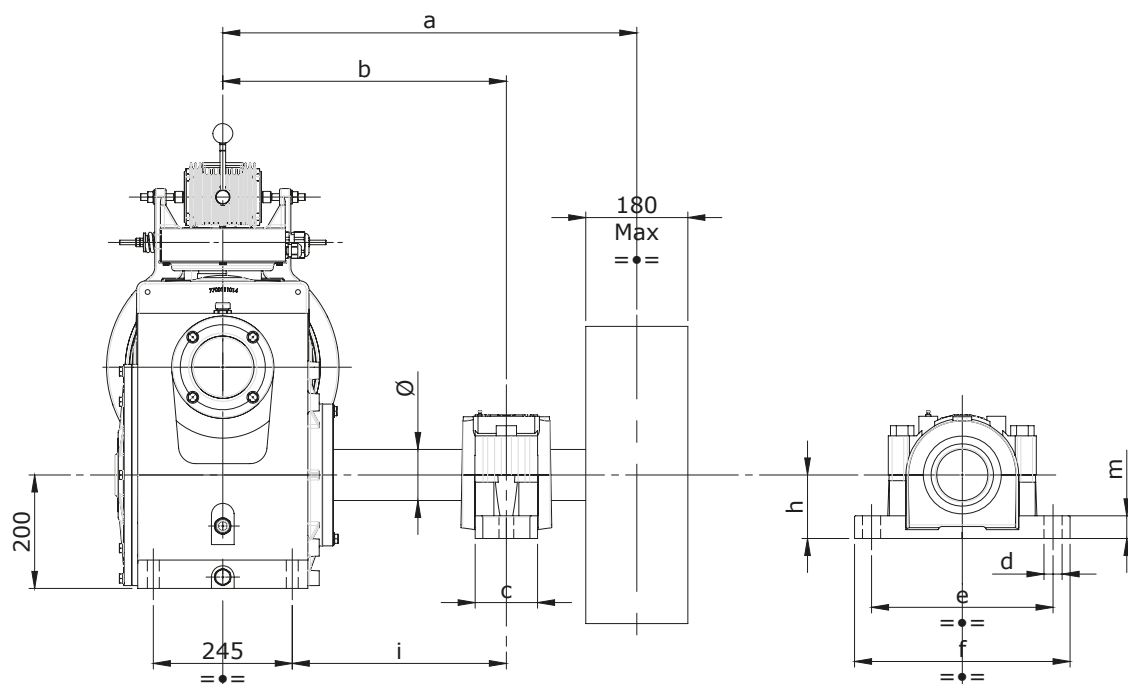
VVF	Dimensioni / <i>Dimensions</i> [mm]		
Motor size	240	270	330
kW	5,9/13,2	13,6/20,6	21/27,9
A	630	660	820
B	530	555	665
C	780	820	935
D	400	400	400
E	200	205	300

Differenza di tiro in kg con rendimento del vano = 0,8 Out of balance load in kg with shaft efficiency = 0,8															Velocità Speed	Rapporto Ratio	Ø Puleggia Ø Sheave
kW 6,0	kW 7,3	kW 9,2	kW 11,0	kW 11,8	kW 12,9	kW 13,6	kW 14,7	kW 15,4	kW 16,2	kW 17,6	kW 18,4	kW 19,1	kW 20,6	kW SYNC			
[kg]															[m/s]		[mm]
605	750	945	1145	1225											0,54	1/65	450
575	710	895	1085	1160											0,57	1/65	480
525	650	825	1000	1065											0,62	1/65	520
490	605	765	925	990											0,67	1/65	560
455	560	710	860	920											0,72	1/65	600
475	585	740	895	955	1050										0,73	1/48	450
445	550	695	840	895	980										0,78	1/48	480
420	520	655	795	850											0,78	1/65	650
390	480	610	735	790											0,84	1/65	700
405	505	635	770	820	900										0,85	1/48	520
395	490	615	745	795	875	925	1005								0,90	1/39	450
365	450	570	685	735											0,90	1/65	750
380	470	595	720	765	840										0,91	1/48	560
370	455	580	700	745	820	870	940								0,96	1/39	480
340	420	535	645	690											0,96	1/65	800
355	435	550	665	710	780										0,98	1/48	600
340	420	535	645	690	755	800	870								1,04	1/39	520
325	405	510	615	660	720										1,06	1/48	650
315	390	495	600	640	705	745	805								1,12	1/39	560
305	375	475	570	610	670										1,14	1/48	700
295	365	460	560	600	655	695	755								1,20	1/39	600
285	350	440	535	570	625										1,22	1/48	750
275	340	425	515	550	605	640	695								1,30	1/39	650
265	330	415	500	535	580										1,30	1/48	800
280	345	440	530	565	620	660	715	750	785	860	895	935			1,33	2/53	450
255	315	395	480	510	560	595	645								1,40	1/39	700
260	325	410	495	530	580	615	670	700	735	805	840	875			1,42	2/53	480
235	290	365	445	475	520	550	600								1,51	1/39	750
240	300	380	455	490	535	570	615	645	680	740	775	805			1,54	2/53	520
220	275	345	415	445	490	520	560								1,61	1/39	800
225	280	355	425	455	500	530	575	605	635	695	725	750			1,65	2/53	560
210	260	330	400	425	465	495	535	565	590	645	675	700			1,77	2/53	600
210	260	330	395	425	465	495	535	565	590	645	675	700	755		1,81	2/39	450
195	240	305	365	390	430	455	495	520	545	595	620	645			1,92	2/53	650
195	245	310	370	400	435	465	500	525	555	605	630	655	710		1,93	2/39	480
180	220	280	340	365	400	425	460	480	505	550	575	600			2,07	2/53	700
180	225	285	345	370	405	425	465	485	510	560	585	605	655		2,09	2/39	520
170	205	260	315	340	370	395	425	450	470	515	535	560			2,22	2/53	750
169	209	265	322	344	378	400	434	456	479	524	546	569	614		2,25	3/47	450
170	210	265	320	340	375	395	430	450	475	520	540	565	610		2,25	2/39	560
155	195	245	295	320	350	370	400	420	440	480	505	525			2,37	2/53	800
158	196	249	301	323	354	375	407	428	449	491	512	533	576		2,40	3/47	480
155	195	245	300	320	350	370	400	420	445	485	505	525	565		2,41	2/39	600
146	181	230	278	298	327	346	376	395	414	453	473	492	531		2,60	3/47	520
145	180	225	275	295	325	340	370	390	410	445	465	485	525		2,61	2/39	650
136	168	213	258	276	304	322	349	367	385	421	439	457	493		2,80	3/47	560
135	165	210	255	275	300	320	345	360	380	415	435	450	485		2,81	2/39	700
126	157	199	241	258	283	300	325	342	359	393	410	427	460		3,00	3/47	600
125	155	195	240	255	280	295	320	335	355	385	405	420	455		3,02	2/39	750
115	145	185	225	240	260	275	300	315	330	360	380	395	425		3,22	2/39	800
117	145	184	223	238	262	277	300	316	332	363	378	394	425		3,25	3/47	650
108	134	171	207	221	243	257	279	293	308	337	351	366	395		3,50	3/47	700
101	125	159	193	206	227	240	260	274	287	314	328	341	368		3,75	3/47	750
95	118	149	181	194	212	225	244	257	269	295	307	320	345		4,01	3/47	800



Differenza di tiro in kg con rendimento del vano = 0,8 Out of balance load in kg with shaft efficiency = 0,8																		Velocità Speed	Rapporto Ratio	Ø Puleggia Ø Sheave
kW 5,9	kW 7,3	kW 9,2	kW 11,0	kW 12,1	kW 13,2	kW 13,6	kW 14,7	kW 15,4	kW 16,2	kW 17,6	kW 19,1	kW 20,6	kW 21,0	kW 23,5	kW 25,0	kW 27,9	kW SYNC			
[kg]																		[m/s]		[mm]
678	839	1057	1264	1391														0,54	1/65	450
636	787	991	1185	1304														0,57	1/65	480
587	726	915	1094	1204														0,62	1/65	520
545	674	850	1016	1118														0,67	1/65	560
508	629	793	948	1043														0,72	1/65	600
529	654	825	986	1085	1184	1219												0,73	1/48	450
495	613	773	924	1017	1109	1143												0,78	1/48	480
469	580	732	875	963														0,78	1/65	650
436	539	679	812	894														0,84	1/65	700
457	566	714	853	939	1024	1055												0,85	1/48	520
442	548	690	825	908	990	1021	1103	1156										0,90	1/39	450
406	503	634	758	834														0,90	1/65	750
425	526	662	792	871	951	979												0,91	1/48	560
415	513	647	774	851	929	957	1034	1083										0,96	1/39	480
381	472	594	711	782														0,96	1/65	800
396	491	618	739	813	887	914												0,98	1/48	600
383	474	597	714	786	857	883	955	1000										1,04	1/39	520
366	453	571	683	751	820	845												1,06	1/48	650
355	440	555	664	731	797	822	888	930										1,12	1/39	560
340	420	530	634	698	761	784												1,14	1/48	700
332	411	518	620	682	744	767	829	868										1,20	1/39	600
317	392	495	592	651	711	732												1,22	1/48	750
306	379	478	572	629	687	708	765	802										1,30	1/39	650
297	368	464	555	611	666	686												1,30	1/48	800
317	392	495	592	652	711	733	792	830	873	949	1030	1111	1133					1,33	2/53	450
284	352	444	531	584	638	657	710	744										1,40	1/39	700
297	367	464	555	611	667	687	743	779	819	890	966	1042	1063					1,42	2/53	480
265	328	414	496	545	595	613	663	695										1,51	1/39	750
274	339	428	512	564	615	634	686	718	756	821	892	962	980					1,54	2/53	520
249	308	389	465	512	558	575	622	651										1,61	1/39	800
254	315	398	476	524	572	589	637	667	702	763	828	893	911					1,65	2/53	560
237	294	371	444	489	534	550	594	623	655	712	773	834	850					1,77	2/53	600
238	295	373	446	491	536	552	597	626	658	716	777	838	855	956	1018			1,81	2/39	450
219	271	343	410	451	492	507	548	575	604	657	713	769	784					1,92	2/53	650
223	276	350	418	461	503	518	560	587	617	671	728	786	801	897	954			1,93	2/39	480
203	252	318	380	419	457	471	509	534	561	610	662	714	728					2,07	2/53	700
206	255	323	386	425	464	478	517	542	570	619	672	725	740	828	881			2,09	2/39	520
190	235	297	355	391	427	440	475	498	524	570	618	667	680					2,22	2/53	750
181	231	293	355	392	429	442	479	504	529	578	628	678	690	777	827	926		2,25	3/47	450
191	237	300	358	395	431	444	480	503	529	575	624	674	687	769	818			2,25	2/39	560
178	220	278	333	366	400	412	446	467	491	534	580	625	637					2,37	2/53	800
170	216	275	333	368	403	414	449	472	496	542	589	635	647	728	775	868		2,40	3/47	480
179	221	280	334	368	402	414	448	469	494	537	582	629	641	717	763			2,41	2/39	600
157	200	253	307	339	372	382	415	436	458	501	544	586	597	672	715	801		2,60	3/47	520
165	204	258	309	340	371	382	414	433	456	496	538	580	592	662	705			2,61	2/39	650
146	186	235	285	315	345	355	385	405	425	465	505	545	555	624	664	744		2,80	3/47	560
153	189	240	287	316	345	355	384	402	423	460	499	539	550	615	655			2,81	2/39	700
136	173	220	266	294	322	331	359	378	397	434	471	508	518	583	620	694		3,00	3/47	600
143	177	224	267	295	322	331	358	375	395	429	466	503	513	574	611			3,02	2/39	750
134	166	210	251	276	302	311	336	352	370	403	437	472	481	538	573			3,22	2/39	800
125	160	203	246	272	297	306	332	349	366	400	435	469	478	538	572	641		3,25	3/47	650
116	148	188	228	252	276	284	308	324	340	372	404	436	444	500	531	595		3,50	3/47	700
109	139	176	213	235	258	265	287	302	317	347	377	407	414	466	496	556		3,75	3/47	750
102	130	165	200	221	242	249	270	283	297	325	353	381	388	437	465	521		4,01	3/47	800





a	b	Max Static Load		Ø	c	d	e	f	h	i	m
		Ropes direction									
		Down / Sidewards	Upwards								
[mm]	[mm]	[kg]	[kg]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]
600	445	3300	3500	80	100	22	290	345	100	322,5	35
	430	2800	3000							307,5	
	415	2300	2500							292,5	
	400	1950	2000							277,5	
600	445	4300	4500	90	110	26	320	380	112	322,5	40
	430	3600	3800							307,5	
	415	3050	3300							292,5	
	400	2600	2850							277,5	
	385	2250	2500							262,5	
	370	1950	2200							247,5	
600	445	6000	6000	100	120	26	350	410	125	322,5	45
	430	5200	5400							307,5	
	415	4400	4600							292,5	
	400	3700	3900							277,5	
	385	3150	3350							262,5	
	370	2700	2900							247,5	
600	400	5100	5300	110	120	26	350	410	140	277,5	45
	385	4350	4550							262,5	
	370	3800	4000							247,5	
730	575	4000	4300	80	100	22	290	345	100	452,5	35
	560	3300	3500							437,5	
	545	2700	2900							422,5	
	530	2200	2400							407,5	

a	b	Max Static Load		Ø	c	d	e	f	h	i	m
		Ropes direction									
		Down / Sidewards	Upwards								
[mm]	[mm]	[kg]	[kg]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]
730	575	4800	5100	90	110	26	320	380	112	452,5	40
	560	4000	4200							437,5	
	545	3300	3500							422,5	
	530	2800	3000							407,5	
	515	2400	2600							392,5	
	500	2050	2250							377,5	
730	575	6000	6000	100	120	26	350	410	125	452,5	45
	560	5300	5500							437,5	
	545	4400	4600							422,5	
	530	3750	3950							407,5	
	515	3200	3400							392,5	
	500	2800	3000							377,5	
730	530	5200	5400	110	120	26	350	410	140	407,5	45
	515	4500	4700							392,5	
	500	3900	4100							377,5	



**MF94****Dati generali / General data****MF94**

Tabella pulegge, vedi pag. 3
Table pulley, see page 3

MF94

Carico statico max. / Max. Static load [kg]	8000
Rapporti / Ratio	1/65 - 1/53 - 2/71 - 2/53 - 4/67
Regolazione / Speed control	VVVF - 4/16 poli
Gamma potenze (4/16 poli) Powers range (4/16 poles) [kW SYNC]	13,6 ÷ 20,6
Gamma potenze (VVVF a 4 poli) Powers range (VVVF at 4 poles) [kW SYNC]	11 ÷ 27,9
Momento d'inerzia J Moment of inertia J [kgm ²]	0,240 ÷ 0,585
Capacità olio / Oil capacity [l]	9

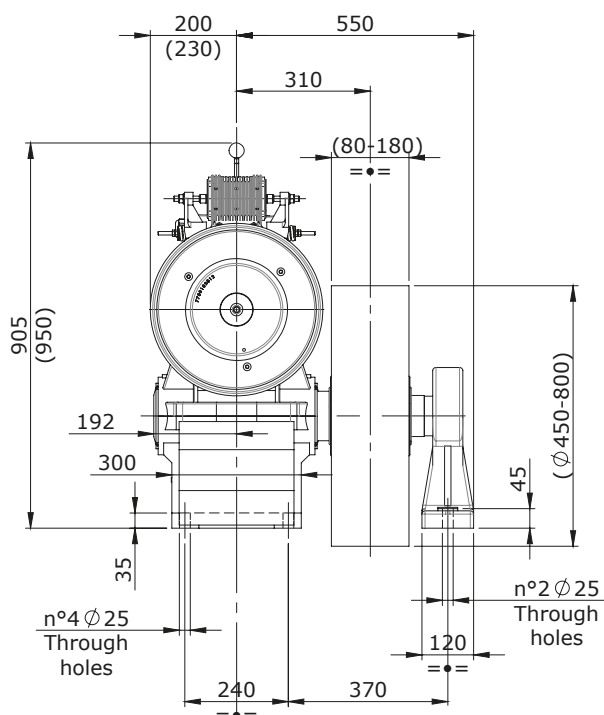
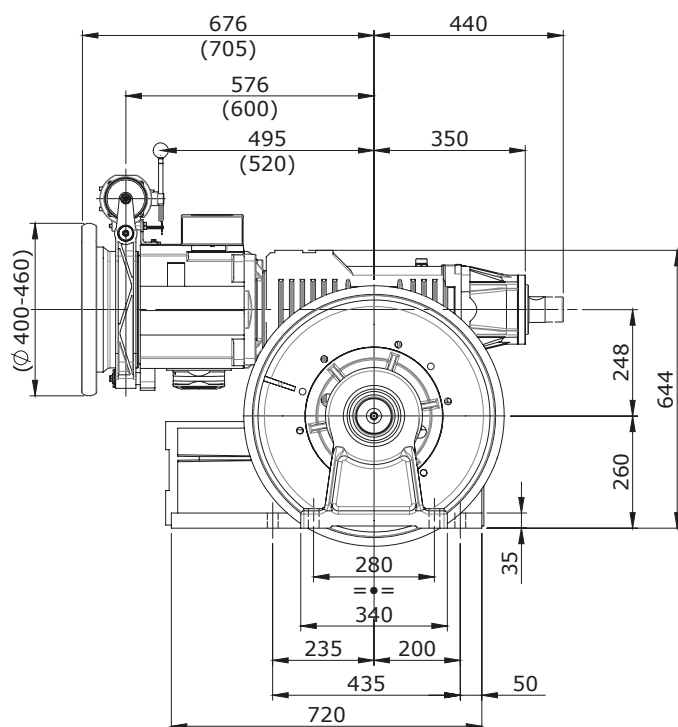
Freno di emergenza disponibile come accessorio / Emergency brake available as optional

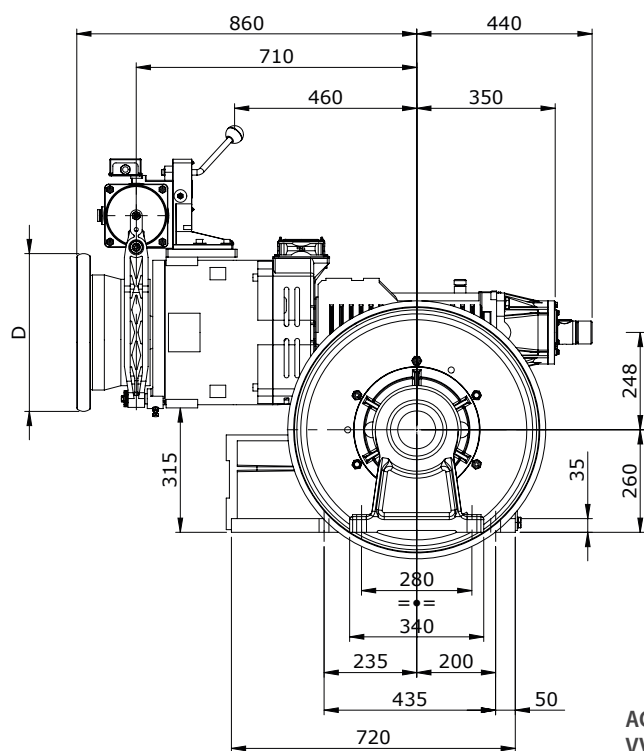
Tabella dei pesi (senza volano e puleggia) / Weight table (without fly-wheel sheave)

Tipo motore Motor type	Potenza Power	Peso Weight	Potenza Power	Peso Weight
	[kW]	[kg]	[kW]	[kg]
4/16	13,6 ÷ 15,4	602	16,2 ÷ 20,6	623
	11	529	18 ÷ 20,6	571
VVVF	11,4 ÷ 13,2	541	21 ÷ 25	602
	13,6 ÷ 17,6	561	25,4 ÷ 27,9	623

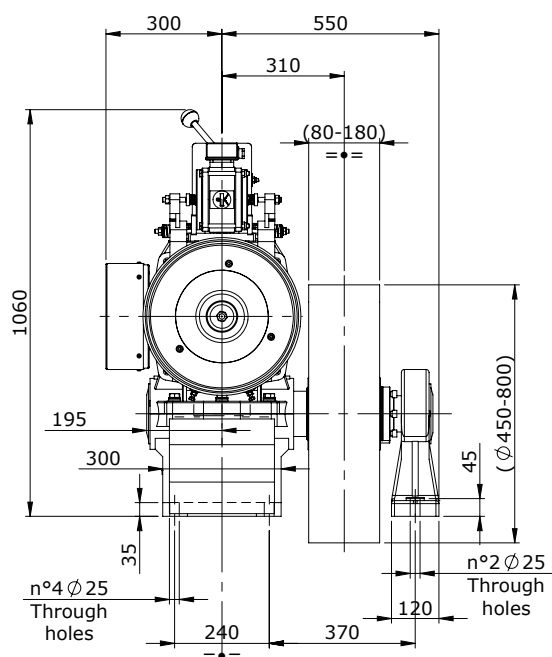
MF94**Dimensione motore 240-270 / Motor size 240-270**

(quote tra parentesi) = Motore 270
 (...) = Motor 270





AC2: D = 460 mm
VVVF: D = 400 mm

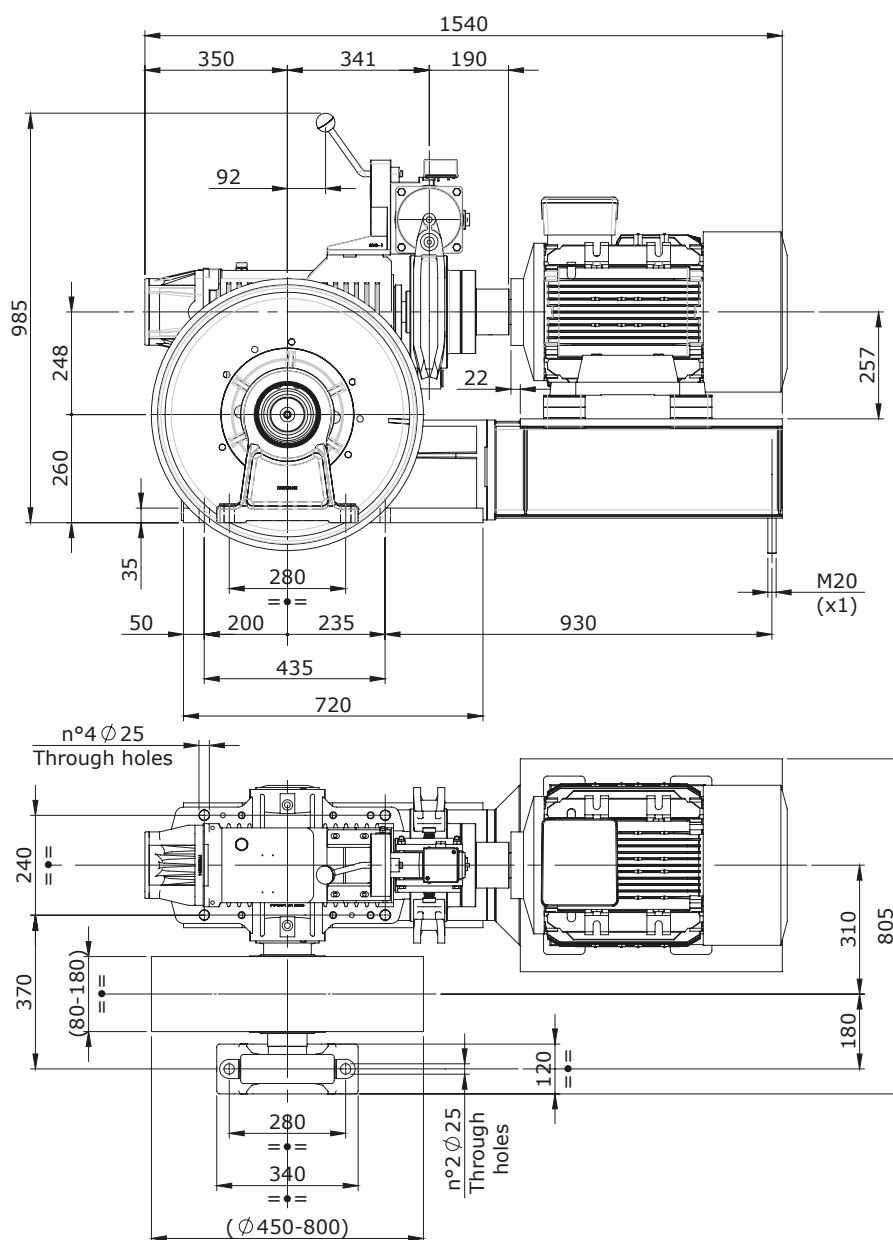




MB94	
Carico statico max. / Max. <i>Static load</i> [kg]	8000
Rapporti / <i>Ratio</i>	1/65 - 1/53 - 2/71 - 2/53 - 4/67
Regolazione / <i>Speed control</i>	VVVF - 4/16 poli
Gamma potenze (4/16 poli) <i>Powers range (4/16 poles)</i> [kW sync]	13,6 ÷ 40,4
Gamma potenze (VVVF a 4 poli) <i>Powers range (VVVF at 4 poles)</i> [kW sync]	11 ÷ 40,4
Momento d'inerzia J <i>Moment of inertia J</i> [kgm²]	0,22
Capacità olio / <i>Oil capacity</i> [l]	9
Peso senza motore, volano e puleggia <i>Weight without motor, fly-wheel and sheave</i> [kg]	534

Freno di emergenza disponibile come accessorio / *Emergency brake available as optional*

MB94

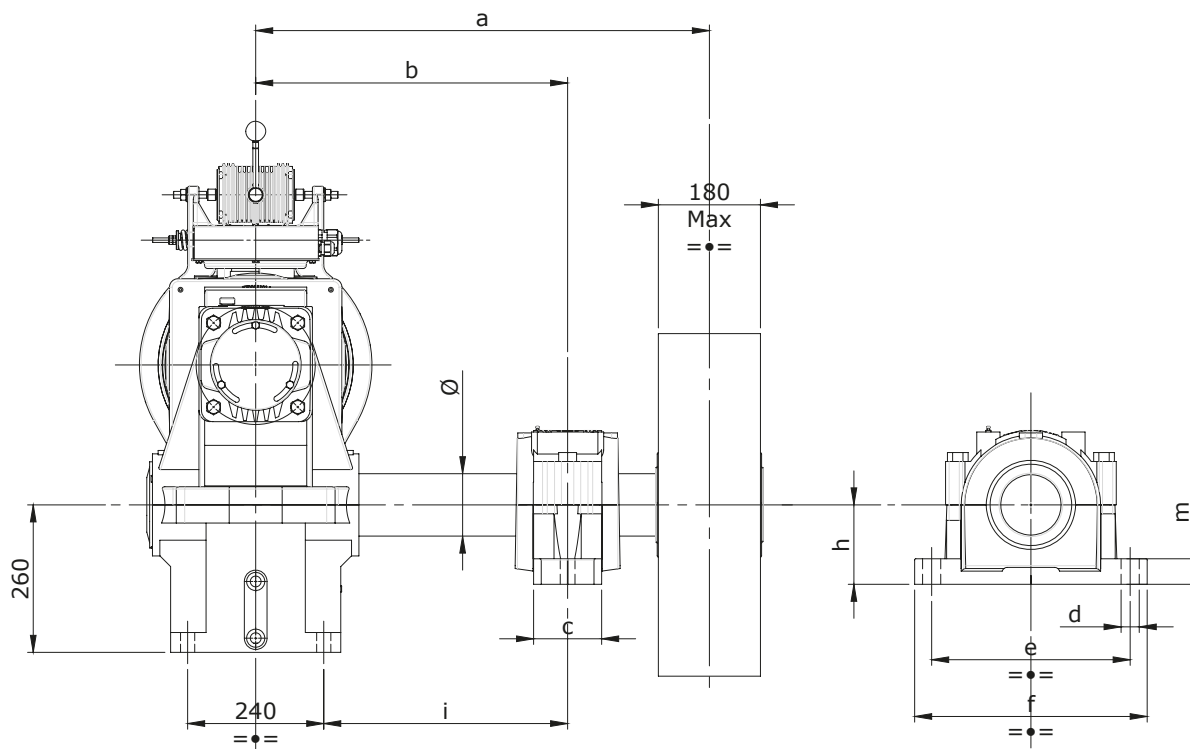


Differenza di tiro in kg con rendimento del vano = 0,8 Out of balance load in kg with shaft efficiency = 0,8															Velocità Speed	Rapporto Ratio	Ø Puleggia Ø Sheave
kW 13,6	kW 14,7	kW 15,4	kW 16,2	kW 17,6	kW 18,4	kW 19,1	kW 20,6	kW 23,5	kW 27,2	kW 30,1	kW 33,1	kW 36,7	kW 40,4	kW SYNC			
[kg]															[m/s]		[mm]
1463	1586	1667	1749	1912	1929										0,54	1/65	450
1386	1502	1580	1657	1812	1827										0,57	1/65	480
1274	1381	1452	1523	1666	1680										0,62	1/65	520
1254	1358	1427	1497	1635	1705	1774	1912								0,66	1/53	450
1179	1278	1344	1410	1541	1554										0,67	1/65	560
1166	1262	1327	1391	1520	1585	1649	1778								0,71	1/53	480
1097	1189	1250	1312	1434	1446										0,72	1/65	600
1075	1164	1223	1283	1402	1461	1521	1639								0,77	1/53	520
1013	1098	1154	1211	1324	1335										0,78	1/65	650
1009	1093	1149	1205	1316	1372	1428	1539								0,82	1/53	560
941	1019	1072	1124	1229	1240										0,84	1/65	700
940	1018	1070	1122	1226	1279	1330	1434								0,88	1/53	600
878	951	1000	1049	1147	1157										0,90	1/65	750
862	934	981	1029	1124	1172	1220	1315								0,96	1/53	650
823	892	938	984	1076	1085										0,96	1/65	800
875	948	997	1046	1143	1191	1240	1337	1532	1775	1940					0,99	2/71	450
803	870	915	959	1048	1092	1137	1225								1,03	1/53	700
818	886	931	977	1067	1113	1158	1249	1431	1657	1812					1,06	2/71	480
746	807	849	890	972	1014	1055	1137								1,11	1/53	750
754	816	858	900	984	1026	1068	1151	1319	1528	1670					1,15	2/71	520
701	760	798	837	915	953	992	1070								1,18	1/53	800
705	763	802	842	920	959	998	1076	1233	1428	1561					1,23	2/71	560
657	711	748	784	857	894	930	1003	1149	1331	1455					1,32	2/71	600
668	724	761	798	873	910	947	1022	1171	1357	1506	1655				1,33	2/53	450
625	678	713	748	817	852	887	957	1097	1271	1411	1550				1,42	2/53	480
606	657	690	724	791	825	858	926	1060	1229	1343					1,43	2/71	650
577	625	657	689	754	786	818	882	1011	1172	1301	1430				1,54	2/53	520
563	610	641	672	735	766	797	860	985	1141	1247					1,54	2/71	700
538	583	613	643	703	734	764	824	944	1094	1214	1334				1,65	2/53	560
525	569	598	627	686	715	744	802	919	1065	1164					1,65	2/71	750
492	533	561	588	643	670	698	752	862	998	1091					1,76	2/71	800
502	544	572	600	656	684	712	768	880	1020	1132	1244				1,77	2/53	600
463	501	527	553	605	630	656	708	811	940	1043	1147				1,92	2/53	650
429	465	489	513	561	585	609	657	752	872	968	1064				2,07	2/53	700
426	462	487	511	559	583	607	656	753	873	970	1067	1118	1309		2,11	4/67	450
400	434	456	478	523	545	568	612	701	813	902	992				2,22	2/53	750
400	434	456	479	524	547	570	615	706	819	910	1000	1114	1227		2,25	4/67	780
375	406	427	448	490	511	532	573	657	762	845	929				2,37	2/53	800
370	401	422	443	485	506	527	569	653	758	842	926	1031	1136		2,43	4/67	520
343	372	392	411	450	470	489	528	606	703	781	859	957	1054		2,62	4/67	560
320	347	365	383	420	438	456	492	565	656	728	801	892	983		2,81	4/67	600
296	321	338	354	388	405	422	455	522	606	673	740	824	908		3,04	4/67	650
274	297	313	329	360	375	391	422	484	562	624	686	764	842		3,28	4/67	700
256	278	292	307	336	351	365	394	452	525	583	641	714	787		3,51	4/67	750
240	260	274	287	315	328	342	369	423	491	546	600	668	736		3,75	4/67	800



Differenza di tiro in kg con rendimento del vano = 0,8 Out of balance load in kg with shaft efficiency = 0,8																Velocità Speed	Rapporto Ratio	Ø Puleggia Ø Sheave
kW 11,0	kW 13,2	kW 14,7	kW 16,2	kW 17,6	kW 18,4	kW 19,1	kW 20,6	kW 22,8	kW 25,0	kW 27,9	kW 30,1	kW 33,1	kW 36,8	kW 40,4	kW SYNCR			
[kg]																[m/s]		[mm]
1299	1570	1750	1931													0,54	1/65	450
1231	1487	1658	1829													0,57	1/65	480
1132	1367	1525	1682													0,62	1/65	520
1116	1346	1499	1652	1805	1882	1958										0,66	1/53	450
1047	1265	1411	1556													0,67	1/65	560
1038	1251	1394	1536	1678	1749	1821										0,71	1/53	480
974	1178	1313	1448													0,72	1/65	600
957	1154	1285	1416	1547	1613	1679										0,77	1/53	520
899	1087	1212	1337													0,78	1/65	650
898	1083	1207	1330	1453	1515	1576										0,82	1/53	560
835	1009	1125	1241													0,84	1/65	700
837	1009	1124	1239	1354	1411	1469										0,88	1/53	600
780	942	1050	1159													0,90	1/65	750
767	925	1031	1136	1241	1294	1346										0,96	1/53	650
731	883	985	1086													0,96	1/65	800
779	940	1047	1154	1262	1315	1369	1476	1637	1798	2013	2142					0,99	2/71	450
715	862	961	1059	1157	1206	1255										1,03	1/53	700
727	878	978	1078	1178	1228	1279	1379	1529	1680	1880	2000					1,06	2/71	480
664	800	891	982	1073	1119	1164										1,11	1/53	750
670	809	901	994	1086	1132	1179	1271	1410	1548	1733	1844					1,15	2/71	520
624	753	838	924	1010	1053	1095										1,18	1/53	800
627	756	843	929	1016	1059	1102	1188	1318	1447	1620	1724					1,23	2/71	560
584	705	785	866	946	987	1027	1107	1228	1349	1510	1606					1,32	2/71	600
593	717	799	881	964	1005	1046	1128	1252	1375	1540	1663	1827				1,33	2/53	450
556	671	748	825	902	941	980	1057	1172	1288	1442	1558	1712				1,42	2/53	480
539	651	725	799	873	911	948	1022	1134	1245	1394	1483					1,43	2/71	650
512	619	690	761	832	868	903	974	1081	1187	1330	1436	1578				1,54	2/53	520
501	604	673	742	811	846	880	949	1053	1156	1294	1377					1,54	2/71	700
478	578	644	710	777	810	843	909	1009	1108	1241	1340	1473				1,65	2/53	560
467	564	628	693	757	789	821	886	982	1079	1208	1285					1,65	2/71	750
438	529	589	649	710	740	770	830	921	1012	1132	1205					1,76	2/71	800
446	538	600	662	724	755	786	848	940	1033	1157	1250	1373				1,77	2/53	600
411	496	553	610	667	696	724	781	867	952	1066	1152	1266				1,92	2/53	650
381	460	513	566	619	646	672	725	804	883	989	1068	1174				2,07	2/53	700
377	457	510	564	617	644	671	724	804	884	991	1071	1178	1311	1445		2,11	4/67	450
355	429	479	528	577	602	627	676	750	824	922	996	1095				2,22	2/53	750
353	429	479	529	579	604	629	679	754	829	929	1004	1104	1230	1355		2,25	4/67	480
333	402	448	495	541	564	587	633	702	772	864	933	1026				2,37	2/53	800
327	397	443	490	536	559	582	629	698	768	860	930	1023	1139	1254		2,43	4/67	520
304	368	411	454	497	519	540	583	648	712	798	863	949	1056	1163		2,62	4/67	560
283	343	383	423	463	484	504	544	604	664	744	804	884	985	1085		2,81	4/67	600
262	317	354	391	428	447	465	503	558	614	688	743	817	910	1003		3,04	4/67	650
242	294	328	363	397	414	431	466	517	569	637	689	758	844	929		3,28	4/67	700
227	275	307	339	371	387	403	435	483	532	596	644	708	788	868		3,51	4/67	750
212	257	287	317	347	362	377	407	452	497	558	603	663	738	813		3,75	4/67	800





a	b	Max Static Load		Ø	c	d	e	f	h	i	m
		Ropes direction									
		Down / Sidwards	Upwards								
[mm]	[mm]	[kg]	[kg]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]
650	490	5500	5500	90	110	26	320	380	112	370	40
	470	4300	4700							350	
	450	3300	3700							330	
650	490	6500	6500	100	120	26	350	410	125	370	45
	470	5400	5800							350	
	450	4400	4800							330	
	425	3300	3700							305	
	400	2600	3000							280	
650	465	7000	7400	110	120	26	350	410	140	345	45
	450	5800	6200							330	
	425	4500	4900							305	
	400	3600	4000							280	
650	450	6600	7000	115	130	28	380	445	150	330	50
	425	5100	5500							305	
	400	4000	4400							280	
650	445	8000	8000	125	150	35	420	500	150	325	50
	425	6700	7100							305	
	400	5400	5800							280	
800	640	5500	5500	90	110	26	320	380	112	520	40
	620	4800	5200							500	
	600	3700	4100							480	



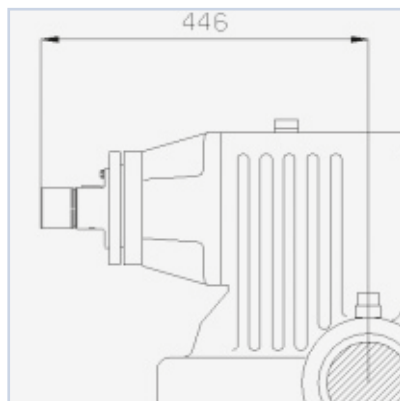
a	b	Max Static Load		Ø	c	d	e	f	h	i	m
		Ropes direction									
		Down / Sidewards	Upwards								
[mm]	[mm]	[kg]	[kg]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]
800	640	6500	6500	100	120	26	350	410	125	520	45
	620	6000	6400							500	
	600	4700	5100							480	
	575	3700	4100							455	
	550	2800	3200							430	
800	615	7100	7500	110	120	26	350	410	140	495	45
	600	5900	6300							480	
	575	4600	5000							455	
	550	3600	4000							430	
	600	6600	7000							480	
800	575	5100	5500	115	130	28	380	445	150	455	50
	550	4100	4500							430	
	595	8000	8000							475	
800	575	7000	7400	125	150	35	420	500	150	455	50
	550	5700	6100							430	



MF/MB94

Accessori / Accessories

Attacco con encoder / Coupling for encoder



Lato reggispinta
Thrustbearing side



ARGANI / GEARED MACHINES

| MF94 · MB94 |

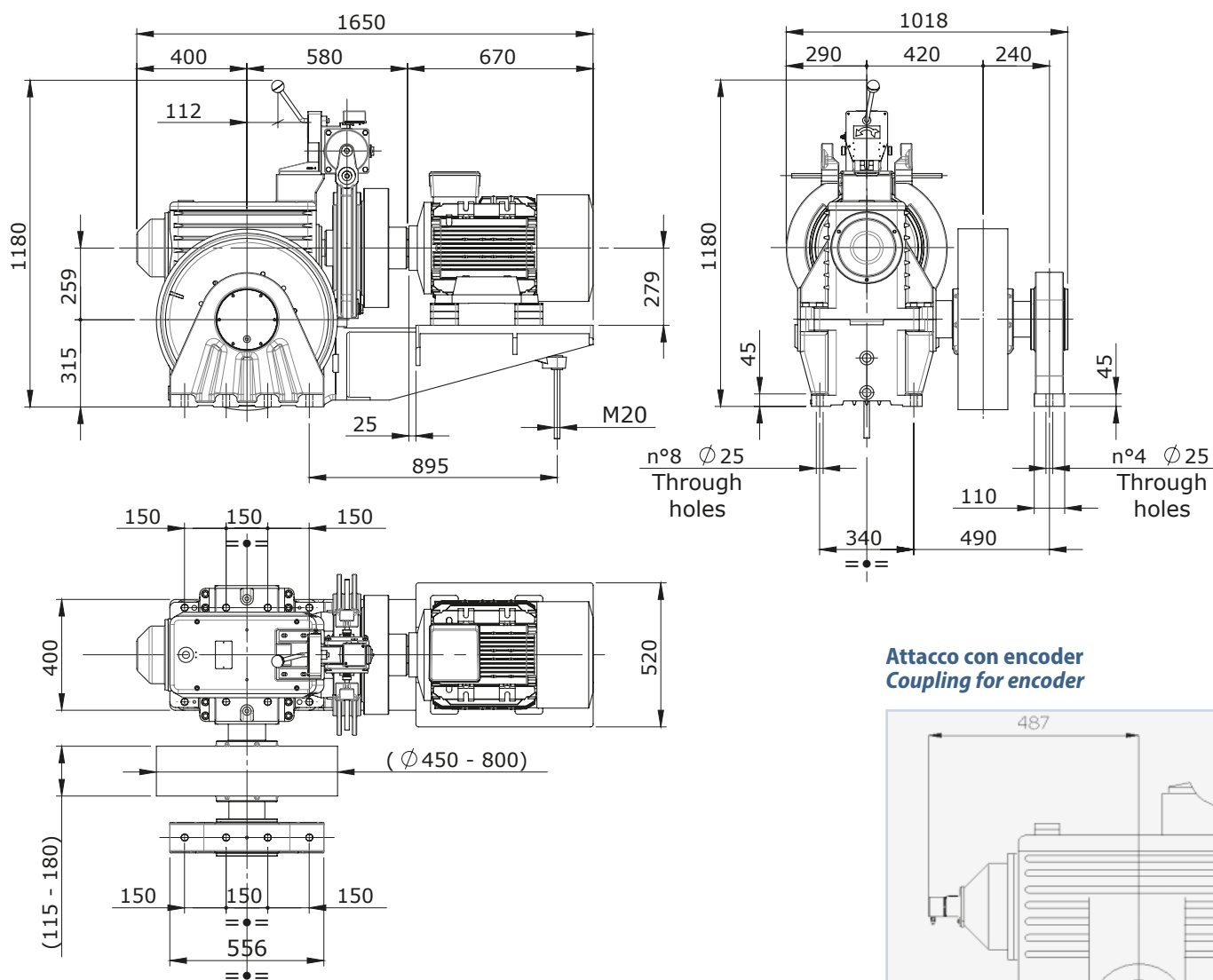
ALBERTO SASSI

49

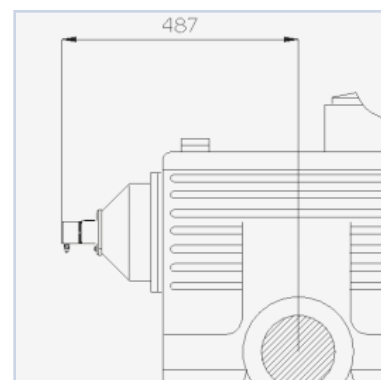
**MB95****Dati generali / General data**

MB95	
Carico statico max. / Max. Static load [kg]	12000
Rapporti / Ratio	1/53 - 1/48 - 2/80 - 2/64 3/80 - 3/66 - 3/50
Regolazione / Speed control	VVVF - 4/16 poli
Gamma potenze (4/16 poli) Powers range (4/16 poles) [kW sync]	17,6 ÷ 50,7
Gamma potenze (VVVF a 4 poli) Powers range (VVVF at 4 poles) [kW sync]	14,7 ÷ 50,7
Momento d'inerzia J Moment of inertia J [kgm ²]	2,1
Capacità olio / Oil capacity [l]	20
Peso senza motore, volano e puleggia Weight without motor, fly-wheel and sheave [kg]	980

Freno di emergenza disponibile come accessorio / Emergency brake available as optional

MB95

Attacco con encoder
Coupling for encoder



Lato reggispinta
Thrustbearingside



Differenza di tiro in kg con rendimento del vano = 0,8 Out of balance load in kg with shaft efficiency = 0,8															Velocità Speed	Rapporto Ratio	Ø Puleggia Ø Sheave
kW 17,6	kW 20,6	kW 23,5	kW 26,5	kW 27,9	kW 29,4	kW 33,1	kW 36,8	kW 40,4	kW 41,9	kW 44,1	kW 47,1	kW 48,5	kW 50,7	kW SYNC			
[kg]															[m/s]		[mm]
1480	1756	2031	2307	2362											0,66	1/53	450
1376	1632	1888	2144	2196											0,71	1/53	480
1363	1616	1868	2121	2248	2349										0,73	1/48	450
1269	1505	1741	1977	2024											0,77	1/53	520
1275	1512	1749	1985	2103	2198										0,78	1/48	480
1191	1413	1635	1857	1901											0,82	1/53	560
1170	1387	1605	1822	1930	2017										0,85	1/48	520
1178	1394	1610	1821												0,88	2/80	450
1110	1317	1524	1730	1771											0,88	1/53	600
1093	1296	1499	1702	1803	1884										0,91	1/48	560
1103	1305	1508	1705												0,94	2/80	480
1018	1207	1397	1586	1624											0,96	1/53	650
1015	1203	1392	1580	1674	1749										0,98	1/48	600
1016	1203	1389	1571												1,02	2/80	520
948	1125	1302	1478	1513											1,03	1/53	700
938	1113	1287	1461	1548	1617										1,06	1/48	650
951	1126	1300	1470												1,09	2/80	560
995	1172	1349	1526	1615	1704	1814									1,10	2/64	450
880	1044	1208	1372	1404											1,11	1/53	750
873	1035	1196	1358	1439	1504										1,14	1/48	700
935	1102	1269	1435	1518	1602	1706									1,17	2/64	480
886	1049	1211	1370												1,17	2/80	600
828	982	1136	1290	1321											1,18	1/53	800
815	967	1118	1269	1345	1405										1,22	1/48	750
862	1015	1169	1322	1399	1476	1571									1,27	2/64	520
816	966	1116	1262												1,27	2/80	650
765	907	1049	1191	1262	1319										1,30	1/48	800
845	995	1146	1296	1372	1447	1635	1782								1,32	3/80	450
799	941	1083	1226	1297	1368	1457									1,37	2/64	560
757	896	1034	1170												1,37	2/80	700
791	932	1073	1214	1284	1355	1531	1668								1,41	3/80	480
744	877	1010	1142	1209	1275	1358									1,47	2/64	600
705	835	964	1090												1,47	2/80	750
729	859	989	1118	1183	1248	1411	1537								1,53	3/80	520
660	781	903	1021												1,57	2/80	800



Tipo motore
Motor Type **4/16**

MB95

Velocità giri min / Speed rpm **1500 rpm**
Carico statico max / Max static load **12000 kg**

Differenza di tiro in kg con rendimento del vano = 0,8 Out of balance load in kg with shaft efficiency = 0,8															Velocità Speed	Rapporto Ratio	Ø Puleggia Ø Sheave
kW 17,6	kW 20,6	kW 23,5	kW 26,5	kW 27,9	kW 29,4	kW 33,1	kW 36,8	kW 40,4	kW 41,9	kW 44,1	kW 47,1	kW 48,5	kW 50,7	kW SYNC			
[kg]															[m/s]	[mm]	
688	811	933	1056	1117	1179	1255									1,59	2/64	650
704	829	955	1081	1144	1207	1364	1521	1679	1738						1,60	3/66	450
680	801	922	1043	1104	1165	1316	1434								1,64	3/80	560
658	776	894	1012	1070	1129	1276	1424	1571	1627						1,71	3/66	480
640	754	868	982	1039	1096	1167									1,71	2/64	700
634	747	859	972	1029	1085	1226	1336								1,76	3/80	600
595	701	807	913	966	1018	1085									1,84	2/64	750
609	717	826	935	989	1044	1180	1316	1452	1504						1,85	3/66	520
584	688	792	896	948	1000	1130	1231								1,91	3/80	650
558	658	757	857	906	956	1018									1,96	2/64	800
566	667	768	869	920	970	1097	1223	1350	1398						1,99	3/66	560
541	638	734	831	879	927	1048	1142								2,06	3/80	700
534	631	727	824	872	920	1040	1161	1281	1330	1402	1498	1546	1604		2,12	3/50	450
526	620	714	808	855	902	1020	1138	1255	1300						2,14	3/66	600
507	597	688	778	823	868	981	1069								2,20	3/80	750
501	592	682	773	818	863	976	1089	1202	1247	1315	1405	1451	1505		2,26	3/50	480
485	572	659	746	789	832	941	1049	1158	1199						2,32	3/66	650
475	559	644	728	770	813	918	1001								2,35	3/80	800
462	546	629	713	754	796	900	1005	1109	1150	1213	1296	1338	1388		2,45	3/50	520
452	533	614	695	735	776	877	978	1079	1117						2,49	3/66	700
431	509	586	664	703	742	839	936	1033	1072	1130	1208	1246	1293		2,63	3/50	560
422	497	572	648	686	723	818	912	1006	1042						2,67	3/66	750
402	474	547	619	655	692	782	873	963	1000	1054	1126	1162	1206		2,82	3/50	600
395	466	536	607	642	678	766	854	942	976						2,85	3/66	800
370	437	504	571	604	637	721	804	888	921	971	1038	1071	1111		3,06	3/50	650
344	407	469	531	562	593	670	748	826	857	903	965	996	1034		3,29	3/50	700
321	379	437	495	524	553	625	697	770	798	842	900	929	963		3,53	3/50	750
301	356	410	464	492	519	587	655	722	750	790	845	872	904		3,76	3/50	800



Tipo motore Motor Type		VVVF		MB95												Velocità giri min / Speed rpm Carico statico max / Max static load			1500 rpm 12000 kg
Differenza di tiro in kg con rendimento del vano = 0,8 Out of balance load in kg with shaft efficiency = 0,8																Velocità Speed	Rapporto Ratio	Ø Puleggia Ø Sheave	
kW 14,7	kW 17,6	kW 20,6	kW 23,5	kW 26,5	kW 27,9	kW 29,4	kW 33,1	kW 36,8	kW 40,4	kW 41,9	kW 44,1	kW 47,1	kW 48,5	kW 50,7	kW SYNC				
[kg]																[m/s]	[mm]		
1330	1634	1938	2243	2547	2607												0,66	1/53	450
1236	1519	1802	2085	2367	2424												0,71	1/53	480
1225	1504	1784	2063	2342	2481	2593											0,73	1/48	450
1140	1401	1662	1922	2183	2235												0,77	1/53	520
1146	1408	1669	1931	2192	2322	2427											0,78	1/48	480
1070	1315	1560	1805	2050	2099												0,82	1/53	560
1052	1292	1532	1772	2011	2131	2227											0,85	1/48	520
1062	1300	1539	1778	2011													0,88	2/80	450
997	1226	1454	1682	1910	1956												0,88	1/53	600
983	1207	1431	1655	1879	1991	2080											0,91	1/48	560
994	1217	1441	1664	1882													0,94	2/80	480
914	1123	1333	1542	1751	1793												0,96	1/53	650
912	1121	1329	1537	1744	1848	1931											0,98	1/48	600
916	1122	1328	1534	1735													1,02	2/80	520
852	1047	1242	1437	1632	1671												1,03	1/53	700
844	1036	1228	1421	1613	1709	1786											1,06	1/48	650
857	1050	1243	1435	1623													1,09	2/80	560
902	1098	1294	1490	1685	1783	1881	2003										1,10	2/64	450
791	972	1153	1333	1514	1550												1,11	1/53	750
784	963	1142	1321	1500	1589	1660											1,14	1/48	700
848	1033	1217	1400	1584	1676	1768	1883										1,17	2/64	480
798	978	1158	1337	1512													1,17	2/80	600
744	914	1084	1254	1424	1458												1,18	1/53	800
733	900	1067	1234	1401	1485	1551											1,22	1/48	750
782	951	1121	1290	1460	1544	1629	1735										1,27	2/64	520
736	901	1067	1232	1393													1,27	2/80	650
688	845	1002	1158	1315	1393	1456											1,30	1/48	800
767	933	1099	1265	1431	1514	1597	1805	1967									1,32	3/80	450
725	882	1039	1196	1353	1432	1510	1608										1,37	2/64	560
682	835	989	1142	1291													1,37	2/80	700
718	873	1029	1184	1340	1418	1495	1690	1842									1,41	3/80	480
675	822	968	1115	1261	1334	1407	1499										1,47	2/64	600
636	779	921	1064	1204													1,47	2/80	750
661	805	948	1091	1235	1307	1378	1557	1697									1,53	3/80	520
595	729	863	997	1127													1,57	2/80	800



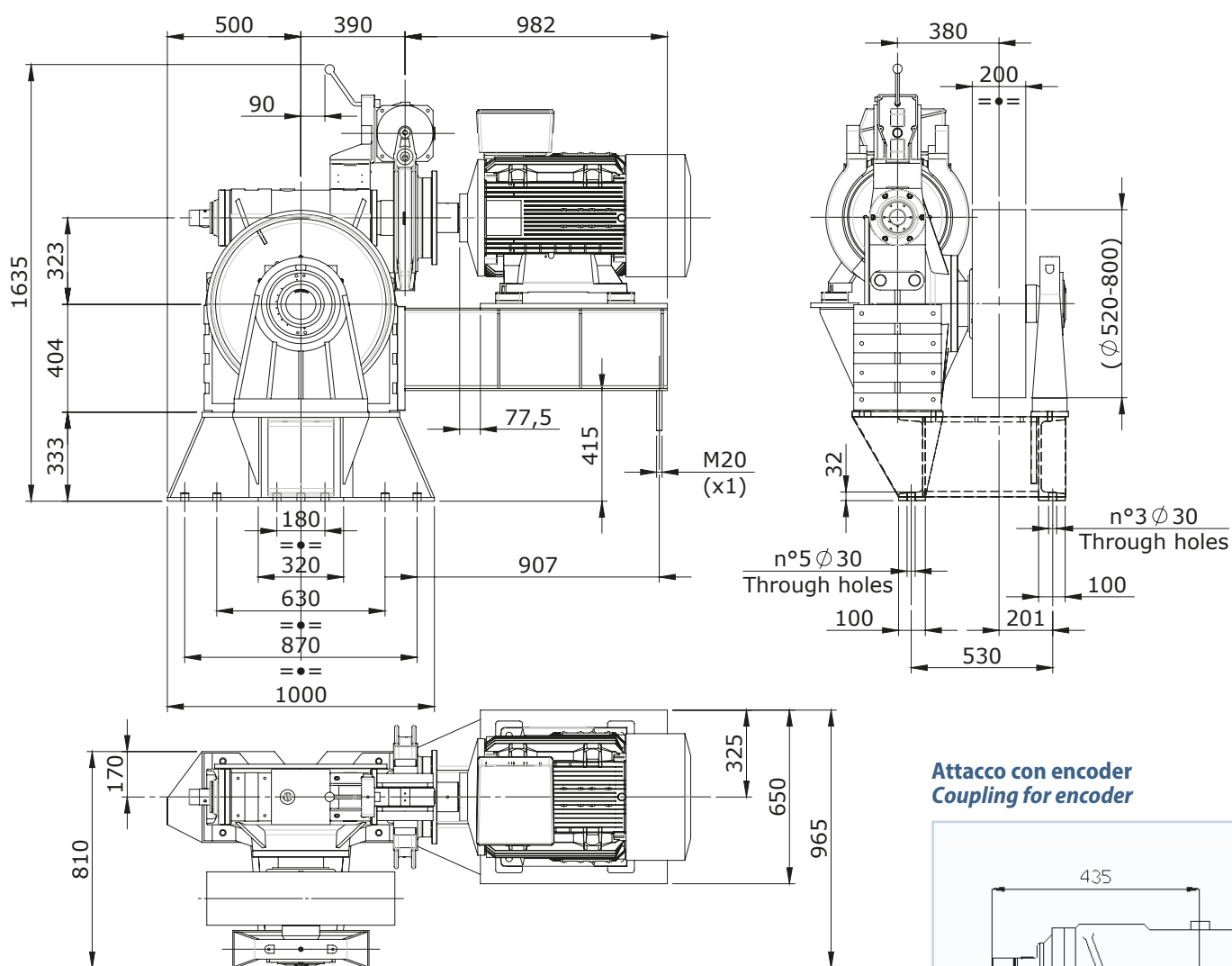
Differenza di tiro in kg con rendimento del vano = 0,8 Out of balance load in kg with shaft efficiency = 0,8																Velocità Speed	Rapporto Ratio	Ø Puleggia Ø Sheave
kW 14,7	kW 17,6	kW 20,6	kW 23,5	kW 26,5	kW 27,9	kW 29,4	kW 33,1	kW 36,8	kW 40,4	kW 41,9	kW 44,1	kW 47,1	kW 48,5	kW 50,7	kW SYNC			
[kg]																[m/s]		[mm]
624	760	895	1031	1166	1234	1301	1386									1,59	2/64	650
638	777	916	1055	1194	1263	1332	1506	1680	1853	1919						1,60	3/66	450
617	751	884	1018	1152	1219	1286	1453	1583								1,64	3/80	560
597	727	857	987	1117	1182	1247	1409	1572	1734	1796						1,71	3/66	480
581	706	832	958	1084	1147	1210	1288									1,71	2/64	700
575	700	824	949	1073	1136	1198	1354	1475								1,76	3/80	600
539	657	774	891	1007	1066	1124	1197									1,84	2/64	750
552	672	792	912	1032	1092	1152	1303	1453	1603	1660						1,85	3/66	520
530	645	759	874	989	1047	1104	1248	1359								1,91	3/80	650
506	616	726	836	946	1001	1056	1124									1,96	2/64	800
513	625	736	848	960	1016	1071	1211	1351	1490	1543						1,99	3/66	560
491	598	704	811	917	970	1024	1157	1260								2,06	3/80	700
484	590	696	803	909	962	1016	1149	1282	1415	1468	1548	1654	1707	1771		2,12	3/50	450
477	581	685	789	892	944	996	1126	1256	1386	1435						2,14	3/66	600
460	560	659	759	859	909	958	1083	1180								2,20	3/80	750
454	554	653	753	853	903	953	1077	1202	1327	1377	1452	1551	1601	1661		2,26	3/50	480
440	536	632	727	823	871	919	1039	1158	1278	1324						2,32	3/66	650
431	524	617	711	804	851	897	1014	1105								2,35	3/80	800
419	511	603	695	787	833	879	994	1109	1224	1270	1339	1431	1477	1532		2,45	3/50	520
410	499	588	678	767	812	856	968	1079	1191	1233						2,49	3/66	700
390	476	561	647	733	776	819	926	1033	1140	1183	1247	1333	1376	1428		2,63	3/50	560
382	466	549	632	715	757	798	903	1007	1111	1150						2,67	3/66	750
364	444	524	604	684	724	764	864	963	1063	1103	1163	1243	1283	1331		2,82	3/50	600
358	436	514	592	670	709	748	846	943	1040	1078						2,85	3/66	800
335	409	483	556	630	667	704	796	888	980	1017	1072	1146	1183	1227		3,06	3/50	650
312	380	449	517	586	620	654	740	826	912	946	997	1066	1100	1141		3,29	3/50	700
290	354	418	482	546	578	610	690	770	850	882	929	993	1025	1064		3,53	3/50	750
273	333	393	453	513	543	573	648	723	798	828	873	933	963	999		3,76	3/50	800



**MB108****Dati generali / General data**

MB108	
Carico statico max. / Max. Static load [kg]	15000
Rapporti / Ratio	1/64 - 1/48 - 2/71 - 2/57 - 3/68 - 4/59
Regolazione / Speed control	VVVF - 4/16 poli
Gamma potenze (4/16 poli) Powers range (4/16 poles) [kW SYNC]	25,7 ÷ 91,9
Gamma potenze (VVVF a 4 poli) Powers range (VVVF at 4 poles) [kW SYNC]	25,7 ÷ 91,9
Momento d'inerzia J Moment of inertia J [kgm ²]	1,25
Capacità olio / Oil capacity [l]	18
Peso senza motore, volano e puleggia Weight without motor, fly-wheel and sheave [kg]	1405

Freno di emergenza disponibile come accessorio / Emergency brake available as optional

MB108

Lato reggispira
Thrust bearingside



ARGANI / GEARED MACHINES

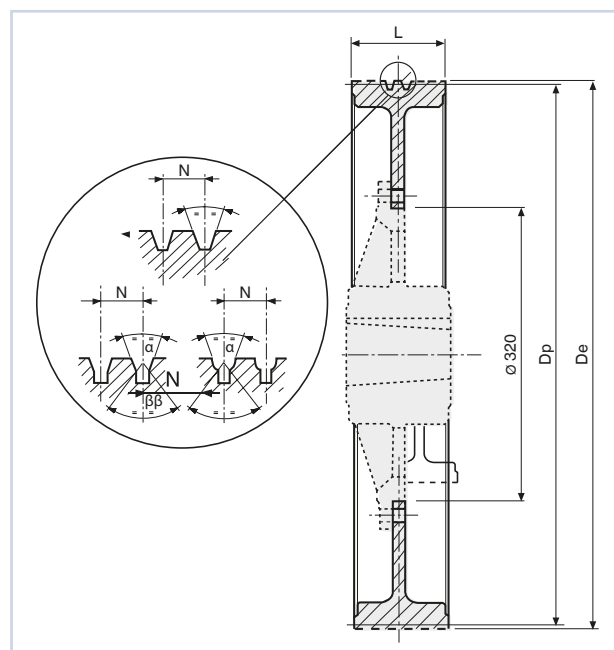
| MB108 |

ALBERTO SASSI

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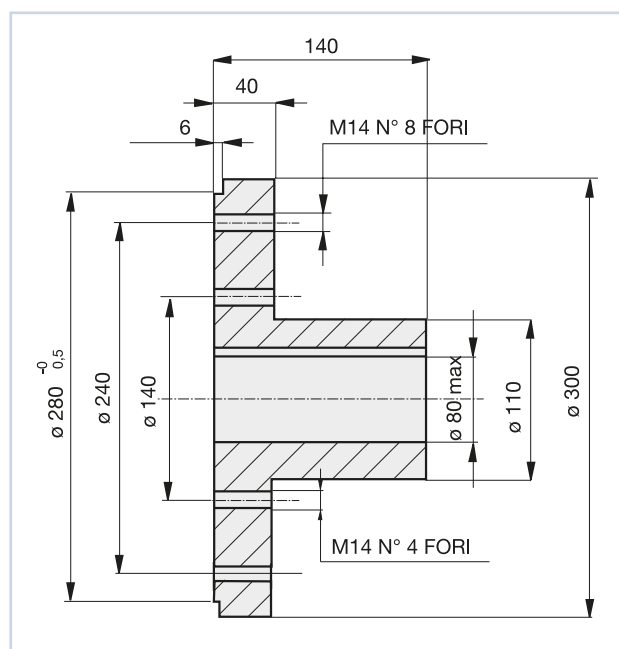
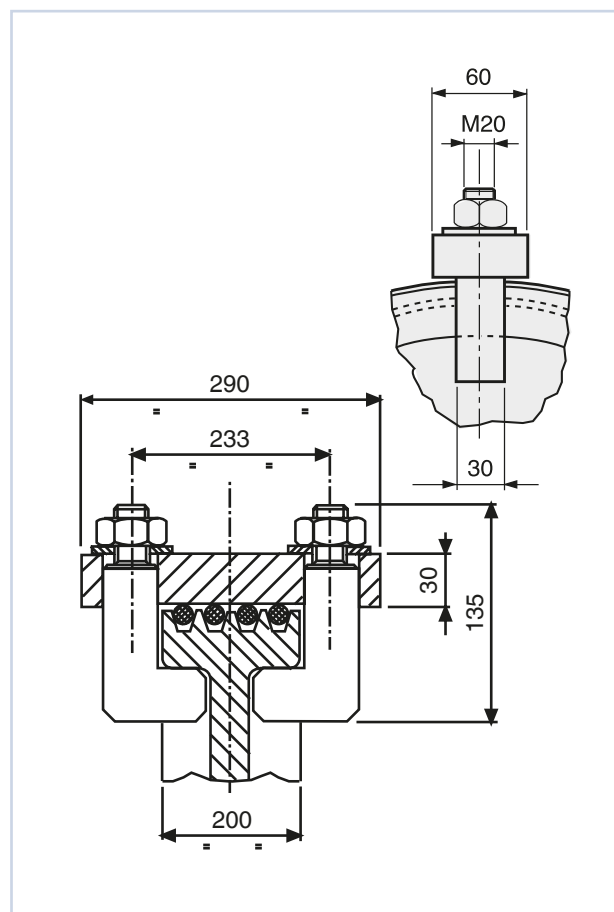
**Pulegge a fascia / Traction band sheave**

Dp [mm]	De [mm]	N. gole / N. grooves	2 ÷ 10		2 ÷ 9	
		Ø Funi / Ø Ropes	8÷12	13÷14	15÷16	
		N [mm]	17	20	21	
520	524	L [mm] [kg]		200 109		
560	564	L [mm] [kg]		200 123,5		
600	604	L [mm] [kg]		200 136,5		
650	654	L [mm] [kg]		200 153		
700	704	L [mm] [kg]		200 170		
750	754	L [mm] [kg]		200 180		
800	804	L [mm] [kg]		200 200		

**Mozzo / Hub**

Tipo mozzo Hub type	J*	Peso Weight
	[kgm²]	[kg]
MPV	0,263	28

$$* J = \frac{GD^2}{4}$$

Bloccafuni / Ropes clamp

Tipo motore
Motor Type **4/16**

MB108

Velocità giri min / Speed rpm **1500 rpm**
Carico statico max / Max static load **15000 kg**

Differenza di tiro in kg con rendimento del vano = 0,8 Out of balance load in kg with shaft efficiency = 0,8																	Velocità Speed	Rapporto Ratio	Ø Puleggia Ø Sheave
kW 25,7	kW 29,4	kW 33,1	kW 36,8	kW 39,7	kW 44,1	kW 47,8	kW 51,5	kW 55,1	kW 58,8	kW 62,5	kW 66,2	kW 69,9	kW 73,5	kW 80,9	kW 91,9	kW SYNC			
[kg]																	[m/s]		[mm]
2509	2868	3227	3586	3657													0,63	1/64	520
2325	2657	2990	3322	3388													0,68	1/64	560
2166	2475	2785	3094	3156													0,73	1/64	600
2001	2287	2573	2859	2917													0,79	1/64	650
1932	2209	2485	2762	2983	3315												0,85	1/48	520
1860	2126	2392	2658	2711													0,85	1/64	700
1805	2063	2322	2580	2786	3096												0,91	1/48	560
1718	1964	2210	2455	2504													0,92	1/64	750
1676	1916	2156	2396	2587	2875												0,98	1/48	600
1613	1844	2074	2305	2351													0,98	1/64	800
1550	1771	1993	2215	2392	2658												1,06	1/48	650
1441	1647	1853	2059	2224	2471												1,14	1/48	700
1479	1691	1903	2115	2284	2538	2750	2962	3174									1,15	2/71	520
1346	1539	1732	1924	2078	2309												1,22	1/48	750
1383	1581	1779	1977	2136	2373	2571	2769	2967									1,23	2/71	560
1263	1444	1625	1806	1950	2167												1,30	1/48	800
1289	1473	1658	1842	1990	2212	2396	2581	2765									1,32	2/71	600
1209	1382	1556	1729	1868	2076	2249	2422	2595	2769	2942	3011						1,43	2/57	520
1190	1360	1530	1701	1837	2041	2212	2382	2552									1,43	2/71	650
1123	1284	1445	1606	1734	1927	2088	2249	2410	2571	2732	2796						1,54	2/57	560
1105	1263	1421	1579	1706	1896	2054	2212	2370									1,54	2/71	700
1048	1198	1348	1499	1619	1799	1949	2099	2249	2399	2549	2610						1,65	2/57	600
1031	1179	1326	1474	1592	1769	1917	2064	2212									1,65	2/71	750
967	1105	1243	1382	1493	1659	1797	1935	2074									1,76	2/71	800
966	1104	1243	1381	1492	1658	1797	1935	2073	2212	2350	2405						1,79	2/57	650
975	1114	1254	1394	1506	1674	1813	1953	2093	2233	2372	2512	2652	2792	2959			1,80	3/68	520
901	1030	1159	1288	1391	1546	1675	1804	1933	2062	2191	2243						1,92	2/57	700
904	1034	1164	1293	1397	1553	1683	1812	1942	2072	2201	2331	2461	2590	2746			1,94	3/68	560
839	960	1080	1200	1296	1441	1561	1681	1802	1922	2042	2090						2,06	2/57	750
848	969	1091	1212	1309	1455	1577	1698	1820	1941	2063	2185	2306	2428	2573			2,07	3/68	600
786	899	1011	1124	1214	1349	1462	1574	1687	1800	1912	1957						2,20	2/57	800
780	892	1003	1115	1205	1339	1451	1563	1674	1786	1898	2010	2122	2233	2367			2,25	3/68	650
725	829	933	1037	1120	1245	1349	1453	1557	1661	1765	1869	1973	2076	2201			2,42	3/68	700
677	775	872	969	1047	1163	1260	1357	1455	1552	1649	1746	1843	1940	2057			2,59	3/68	750
646	739	832	924	999	1110	1203	1296	1389	1481	1574	1667	1760	1853	2038	2317		2,76	4/59	520
633	724	815	906	979	1088	1178	1269	1360	1451	1542	1632	1723	1814	1923			2,77	3/68	800
598	684	770	856	925	1028	1114	1200	1286	1372	1458	1544	1630	1716	1888	2146		2,98	4/59	560
559	639	719	800	864	960	1041	1121	1201	1282	1362	1442	1523	1603	1763	2004		3,19	4/59	600
515	589	663	737	797	885	960	1034	1108	1182	1256	1330	1404	1478	1626	1848		3,46	4/59	650
479	548	617	686	741	824	892	961	1030	1099	1168	1237	1306	1375	1512	1719		3,72	4/59	700
447	511	575	639	691	768	832	896	960	1025	1089	1153	1217	1281	1410	1602		3,99	4/59	750
419	480	540	600	649	721	781	841	902	962	1022	1083	1143	1203	1324	1504		4,25	4/59	800



Differenza di tiro in kg con rendimento del vano = 0,8 Out of balance load in kg with shaft efficiency = 0,8																	Velocità Speed	Rapporto Ratio	Ø Puleggia Ø Sheave
kW 25,7	kW 29,4	kW 33,1	kW 36,8	kW 39,7	kW 44,1	kW 47,8	kW 51,5	kW 55,1	kW 58,8	kW 62,5	kW 66,2	kW 69,8	kW 73,5	kW 80,9	kW 91,9	kW SYNC			
[kg]																	[m/s]		[mm]
2770	3166	3562	3958	4038													0,63	1/64	520
2567	2934	3300	3667	3741													0,68	1/64	560
2391	2733	3074	3416	3485													0,73	1/64	600
2209	2525	2841	3157	3220													0,79	1/64	650
2133	2439	2744	3049	3293	3659												0,85	1/48	520
2053	2347	2640	2934	2993													0,85	1/64	700
1993	2278	2563	2848	3076	3418												0,91	1/48	560
1897	2168	2439	2711	2765													0,92	1/64	750
1850	2115	2380	2645	2856	3174												0,98	1/48	600
1781	2036	2290	2545	2596													0,98	1/64	800
1711	1956	2200	2445	2641	2934												1,06	1/48	650
1591	1818	2046	2273	2456	2729												1,14	1/48	700
1633	1867	2101	2335	2522	2802	3036	3270	3504									1,15	2/71	520
1486	1699	1912	2124	2294	2550												1,22	1/48	750
1527	1746	1964	2183	2358	2620	2839	3057	3276									1,23	2/71	560
1395	1595	1794	1994	2153	2393												1,30	1/48	800
1423	1627	1830	2034	2197	2442	2645	2849	3053									1,32	2/71	600
1335	1526	1718	1909	2062	2291	2483	2674	2865	3056	3248	3324						1,43	2/57	520
1313	1501	1690	1878	2028	2254	2442	2630	2818									1,43	2/71	650
1240	1417	1595	1773	1915	2128	2305	2483	2661	2838	3016	3087						1,54	2/57	560
1220	1394	1569	1744	1883	2093	2267	2442	2616									1,54	2/71	700
1157	1323	1489	1654	1787	1986	2152	2317	2483	2649	2815	2881						1,65	2/57	600
1138	1301	1464	1627	1758	1953	2116	2279	2442									1,65	2/71	750
1067	1220	1373	1526	1648	1831	1984	2137	2289									1,76	2/71	800
1066	1219	1372	1525	1647	1831	1983	2136	2289	2442	2595	2656						1,79	2/57	650
1076	1230	1385	1539	1663	1848	2002	2156	2311	2465	2619	2773	2928	3082	3267			1,80	3/68	520
994	1137	1279	1422	1536	1707	1849	1992	2134	2276	2419	2476						1,92	2/57	700
998	1142	1285	1428	1543	1714	1858	2001	2144	2287	2430	2573	2716	2860	3031			1,94	3/68	560
927	1059	1192	1325	1431	1591	1723	1856	1989	2122	2254	2308						2,06	2/57	750
936	1070	1204	1338	1446	1607	1741	1875	2009	2143	2278	2412	2546	2680	2841			2,07	3/68	600
868	992	1116	1241	1340	1489	1614	1738	1862	1987	2111	2161						2,20	2/57	800
861	984	1108	1231	1330	1478	1602	1725	1848	1972	2095	2219	2342	2466	2614			2,25	3/68	650
800	915	1030	1145	1237	1374	1489	1604	1719	1833	1948	2063	2178	2292	2430			2,42	3/68	700
748	855	962	1070	1155	1284	1391	1499	1606	1713	1820	1928	2035	2142	2271			2,59	3/68	750
713	816	918	1021	1103	1226	1328	1430	1533	1635	1738	1840	1943	2045	2250	2558		2,76	4/59	520
699	800	900	1000	1080	1201	1301	1401	1501	1602	1702	1802	1903	2003	2123			2,77	3/68	800
660	755	850	945	1021	1135	1230	1325	1420	1515	1610	1704	1799	1894	2084	2369		2,98	4/59	560
617	706	794	883	954	1060	1149	1238	1326	1415	1504	1592	1681	1770	1947	2213		3,19	4/59	600
569	651	732	814	879	978	1059	1141	1223	1305	1386	1468	1550	1631	1795	2040		3,46	4/59	650
529	605	681	757	818	909	985	1061	1137	1213	1289	1365	1441	1517	1669	1898		3,72	4/59	700
493	564	635	706	763	848	919	989	1060	1131	1202	1273	1344	1415	1557	1769		3,99	4/59	750
463	530	596	663	716	796	862	929	996	1062	1129	1195	1262	1328	1461	1661		4,25	4/59	800





TAMBURI / DRUMS

Impianti con tamburo tiro 1/1, senza contrappeso, velocità 0,63 con **regolazione VF**
 Drum installation, 1/1, no counterweight, speed 0,63 with **VF regulation**

LEO + TAMBURO / DRUM

TORO + TAMBURO / DRUM

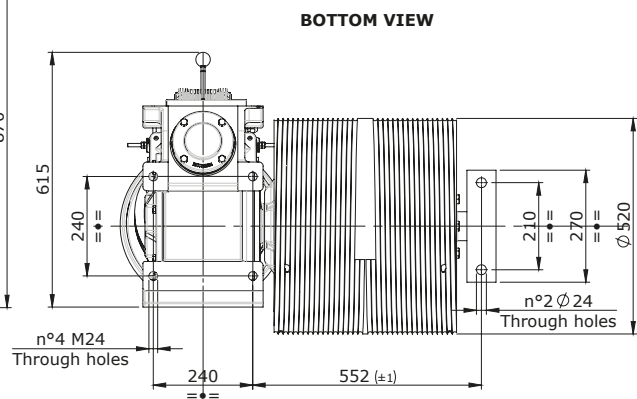
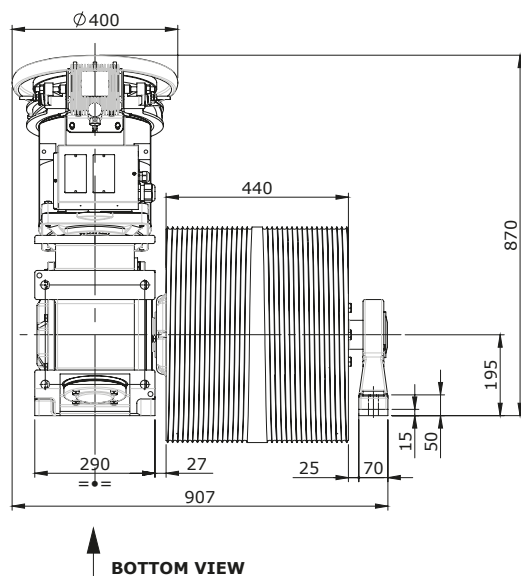
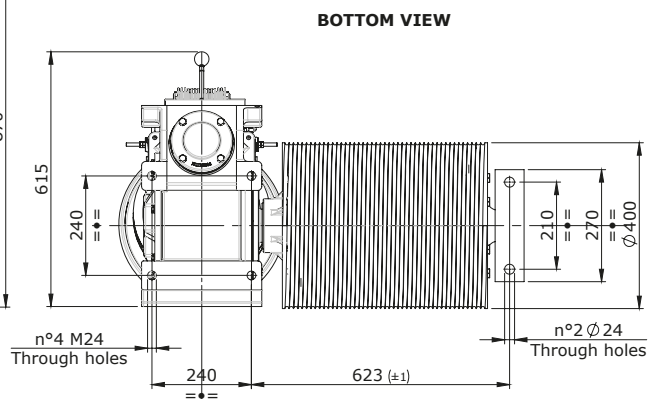
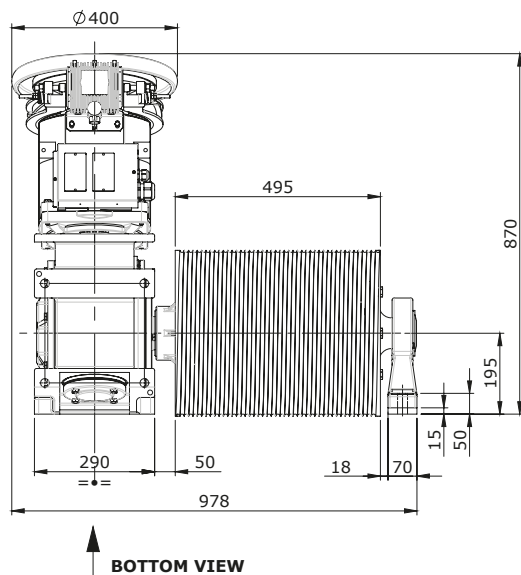
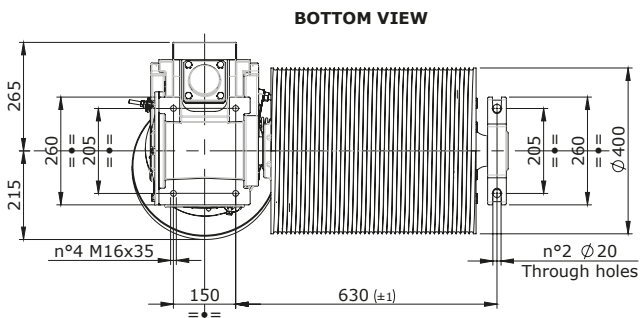
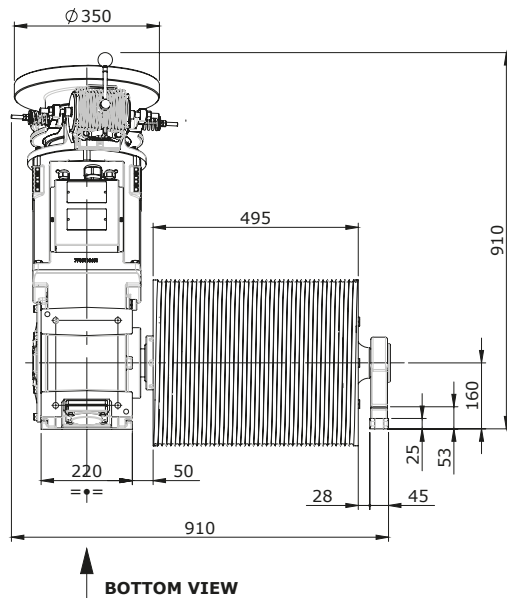
MF84 + TAMBURO / DRUM

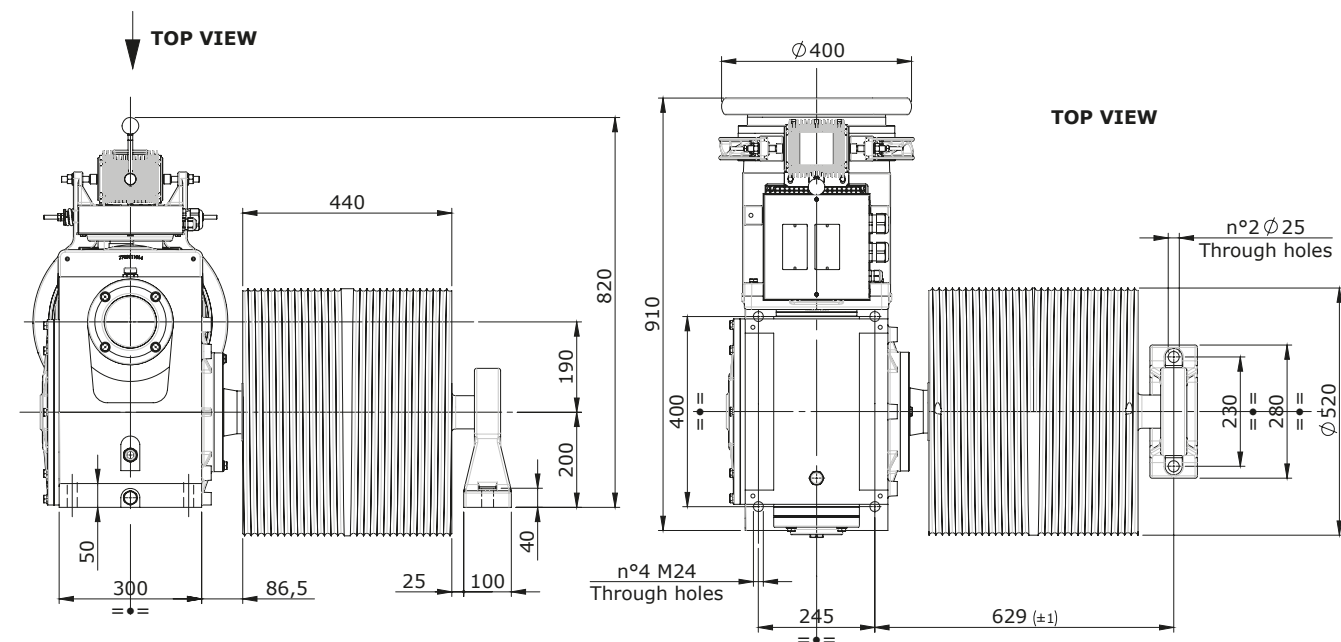
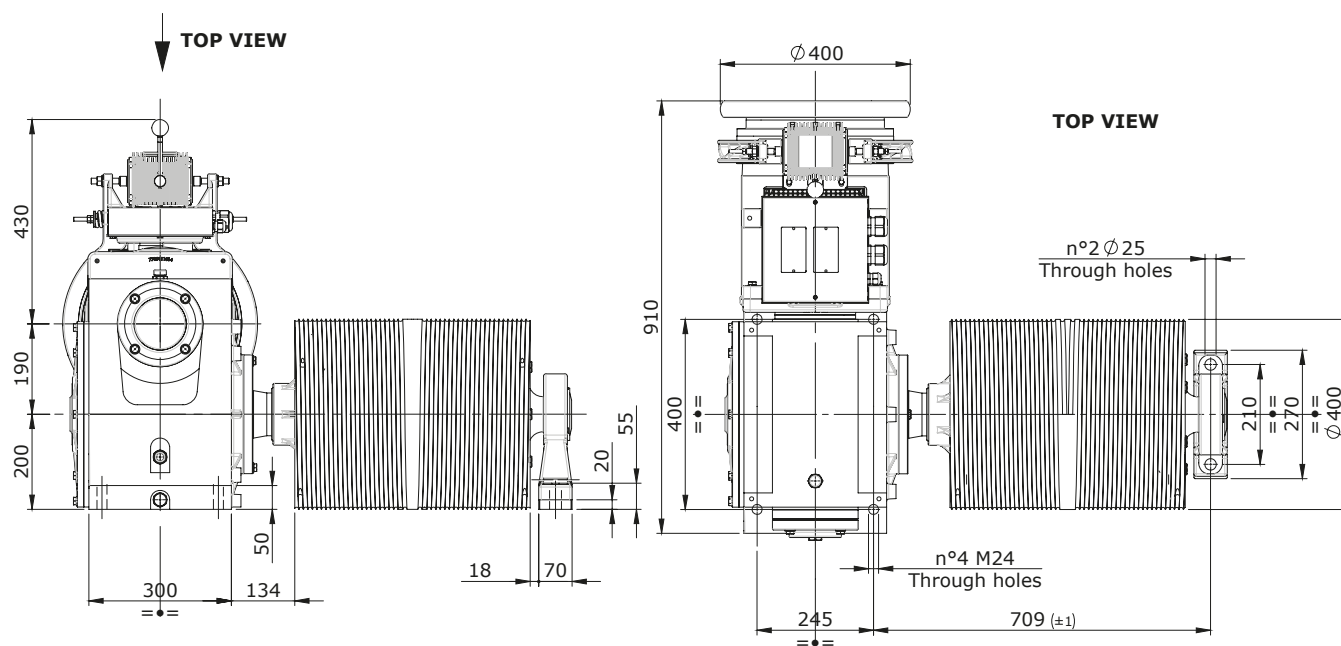


Portata Duty Load [kg]	Argano Gear machine	Potenza Power [kw]	Tamburo Drum [mm]	Max peso cabina Max cabin weight [kg]	Funi Ropes	Corsa max con 2 funi parallele Max travel with 2 parallel ropes [m]
225	Leo 1/45	5,9	400	275	2 x 8 mm*	28
					2 x 9 mm	26
					2 x 10 mm	23,5
	Toro 1/49	7,3	400	500	2 x 9 mm*	26
					2 x 10 mm	23,5
					2 x 10 mm	25
320	Toro 1/49	7,3	400	400	2 x 11 mm	22,5
					2 x 13 mm	20,5
					2 x 9 mm*	26
		11	520	435	2 x 10 mm*	23,5
					2 x 10 mm*	23,5
					2 x 10 mm*	23,5
		9,2	400	575	2 x 11 mm*	22,5
					2 x 12 mm	21,5
					2 x 13 mm	20,5
400	Toro 1/49	11	400	600	2 x 10 mm*	23,5
480	MF84 1/65	12,1	520	680	2 x 11 mm*	22,5
					2 x 12 mm	21,5
					2 x 13 mm	20,5

* Funi ad alta resistenza / High resistance ropes



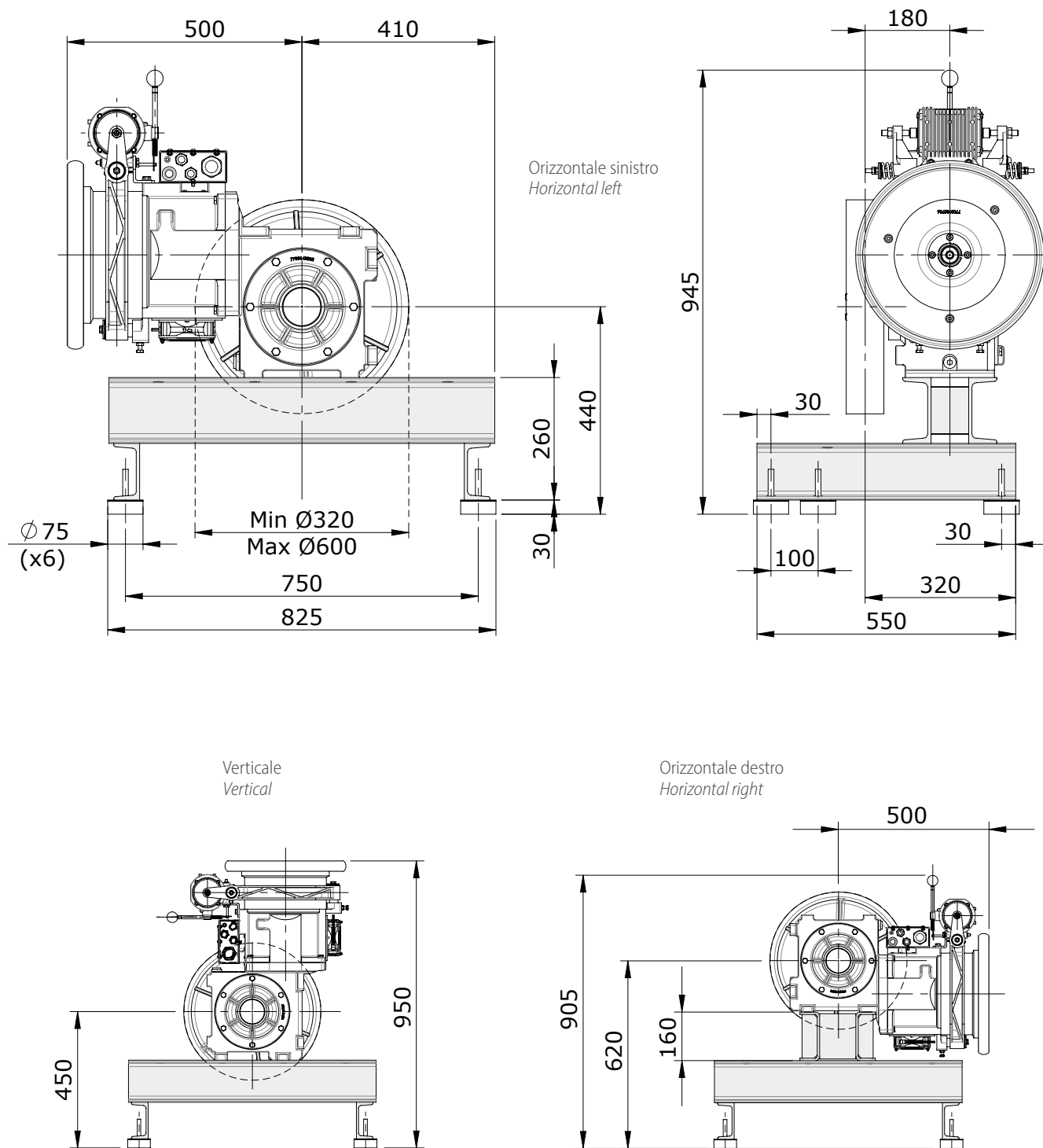


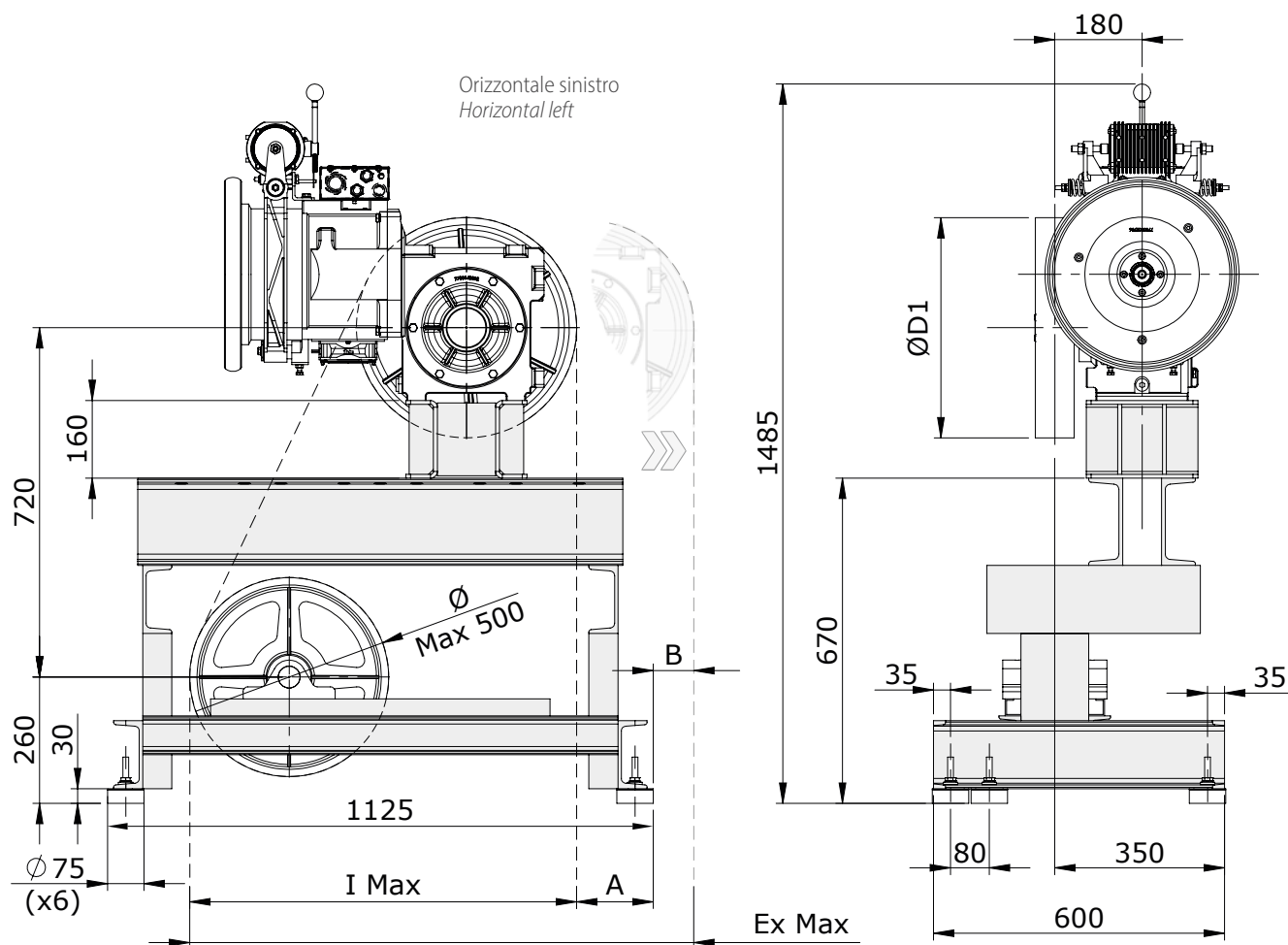




MODY

Telaio piano standard / Standard Flat Frame





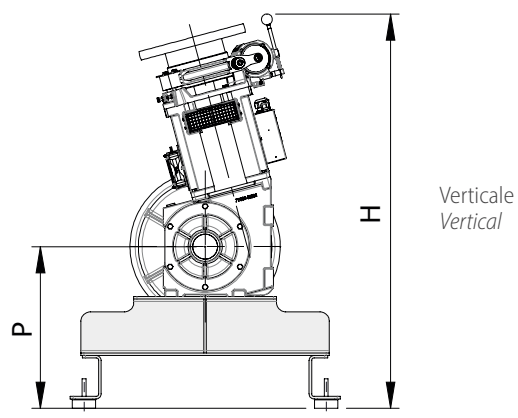
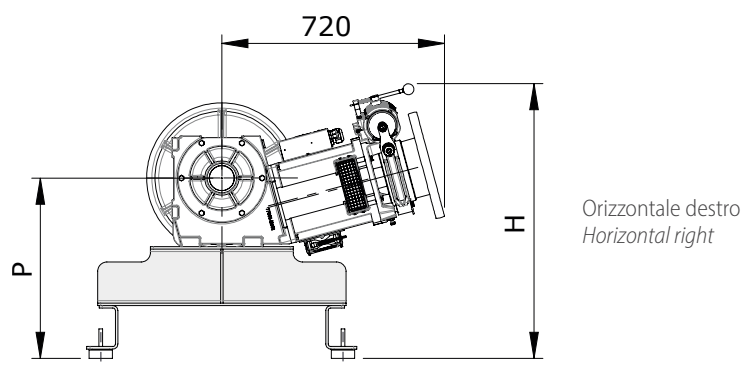
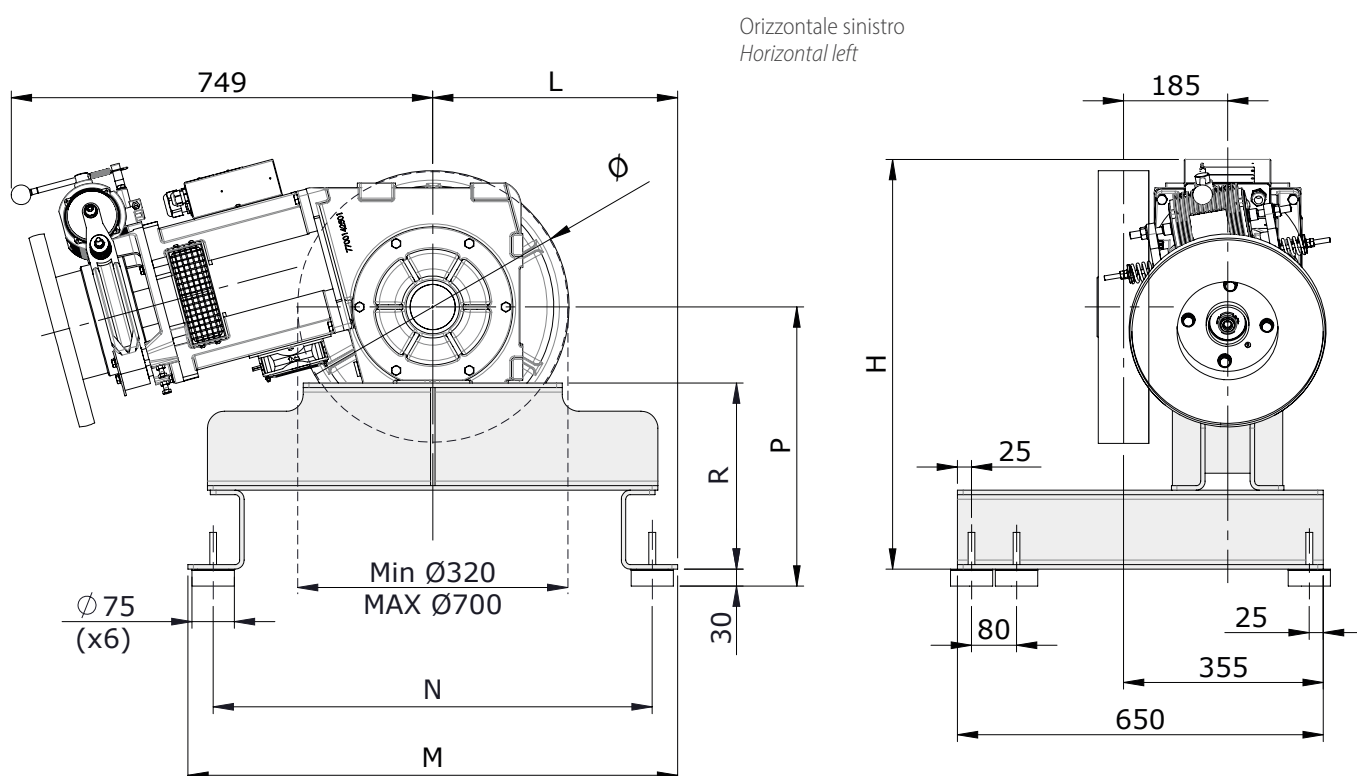
Dimensioni / Dimensions [mm]

Internal Ropes

ØD1	I Max	A
320	820	152
360	740	232
400	760	212
450	785	187
480	800	172
520	820	152
560	740	232
600	760	212
650	785	187
700	810	162

External Ropes

ØD1	Ex Max	B
450	987	15
480	1002	30
520	1022	50
560	1042	70
600	1062	90
650	987	15
700	1012	40

**Dimensioni / Dimensions [mm]****Orizzontale sinistro / Horizontal left**

	Ø 320-600	Ø 650-700
H	730	760
L	435	485
M	870	970
N	780	880
R	330	360
P	495	525

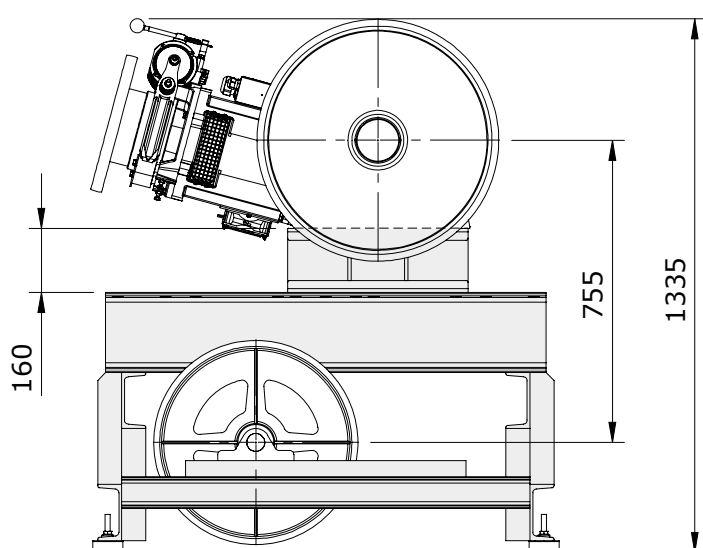
Orizzontale destro / Horizontal right

	Ø 320-600	Ø 650-700
H	885	915
P	580	610

Verticale / Vertical

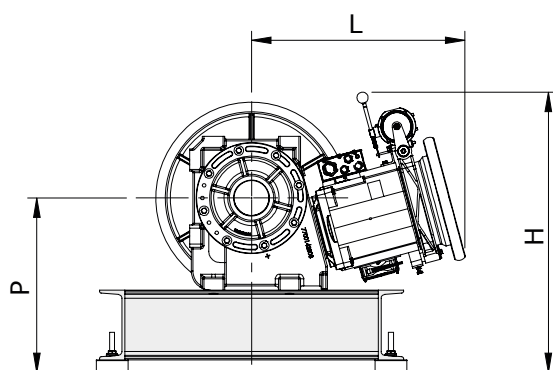
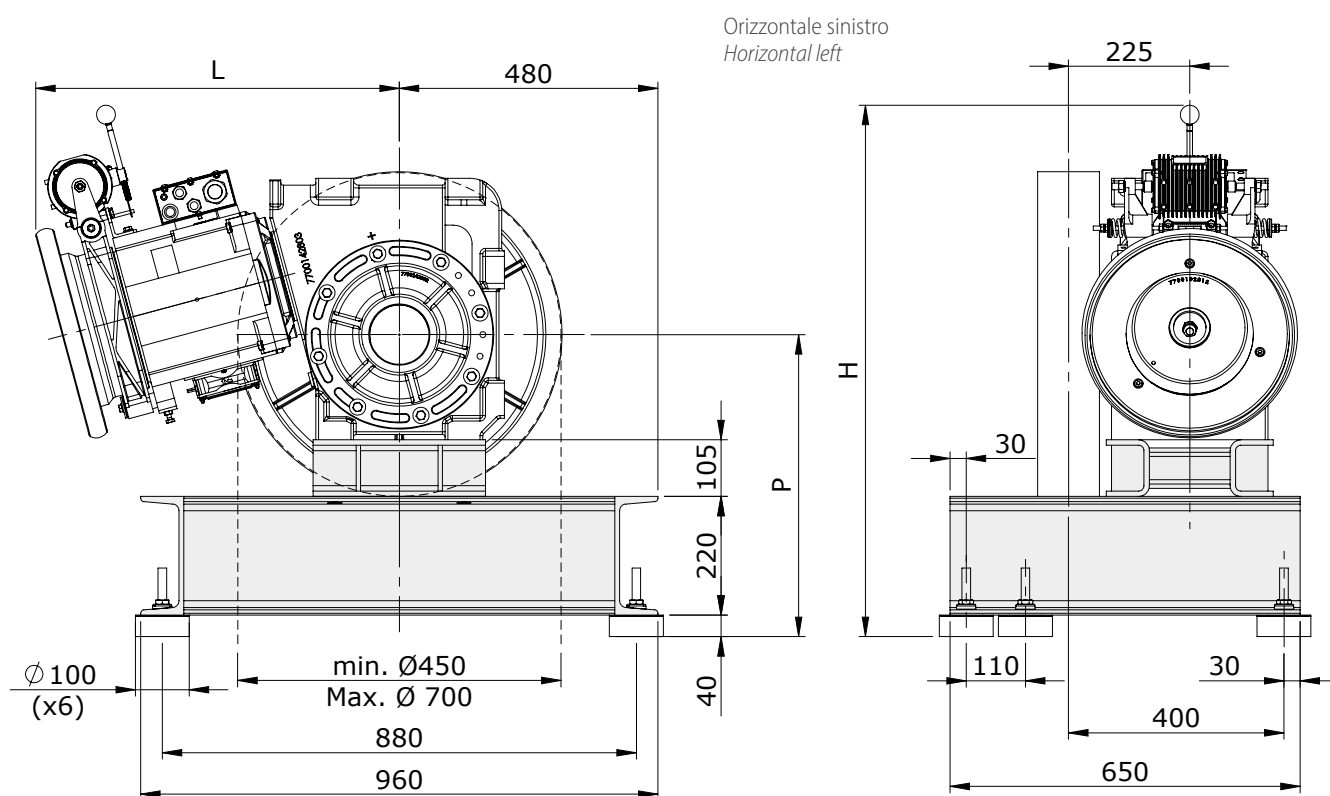
	Ø 320-600	Ø 650-700
H	1270	1300
P	520	550



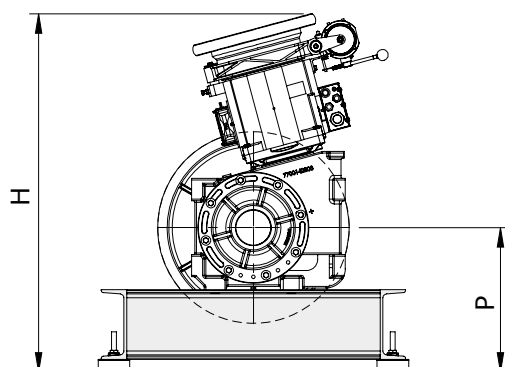


Dimensioni / <i>Dimensions</i> [mm]		
Internal Ropes		
ØD1	I Max	A
320	844	168
360	850	162
400	856	156
450	829	183
480	844	168
520	850	162
560	856	156
600	824	188
650	849	163
700	860	152

External Ropes		
ØD1	Ex Max	B
400	1024	11
450	1049	36
480	1064	51
520	1032	19
560	1052	39
600	1072	59
650	1097	84
700	1122	109



Orizzontale destro
Horizontal right



Verticale
Vertical

Dimensioni / Dimensions [mm]

Orizzontale sinistro / Horizontal left

	Mot. 240	Mot. 270
L	675	705
H	985	1020
P	560	560

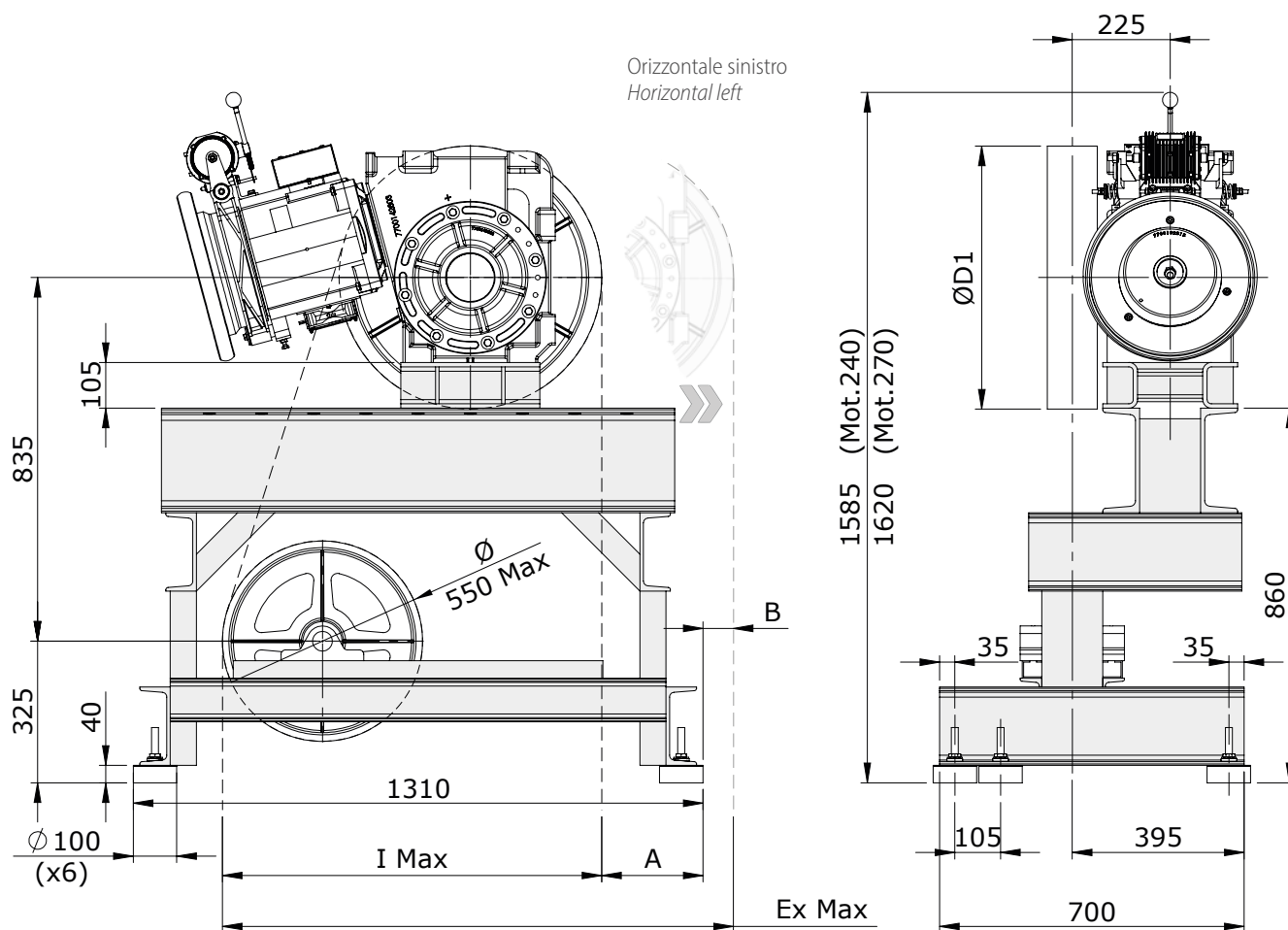
Orizzontale destro / Horizontal right

	Mot. 240	Mot. 270
L	675	705
H	885	930
P	550	550

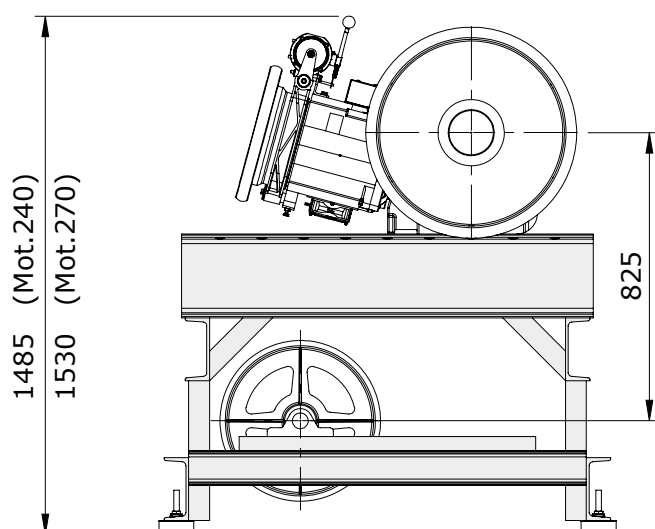
Verticale / Vertical

	Mot. 240	Mot. 270
H	1130	1160
P	455	455





Orizzontale destro
Horizontal right



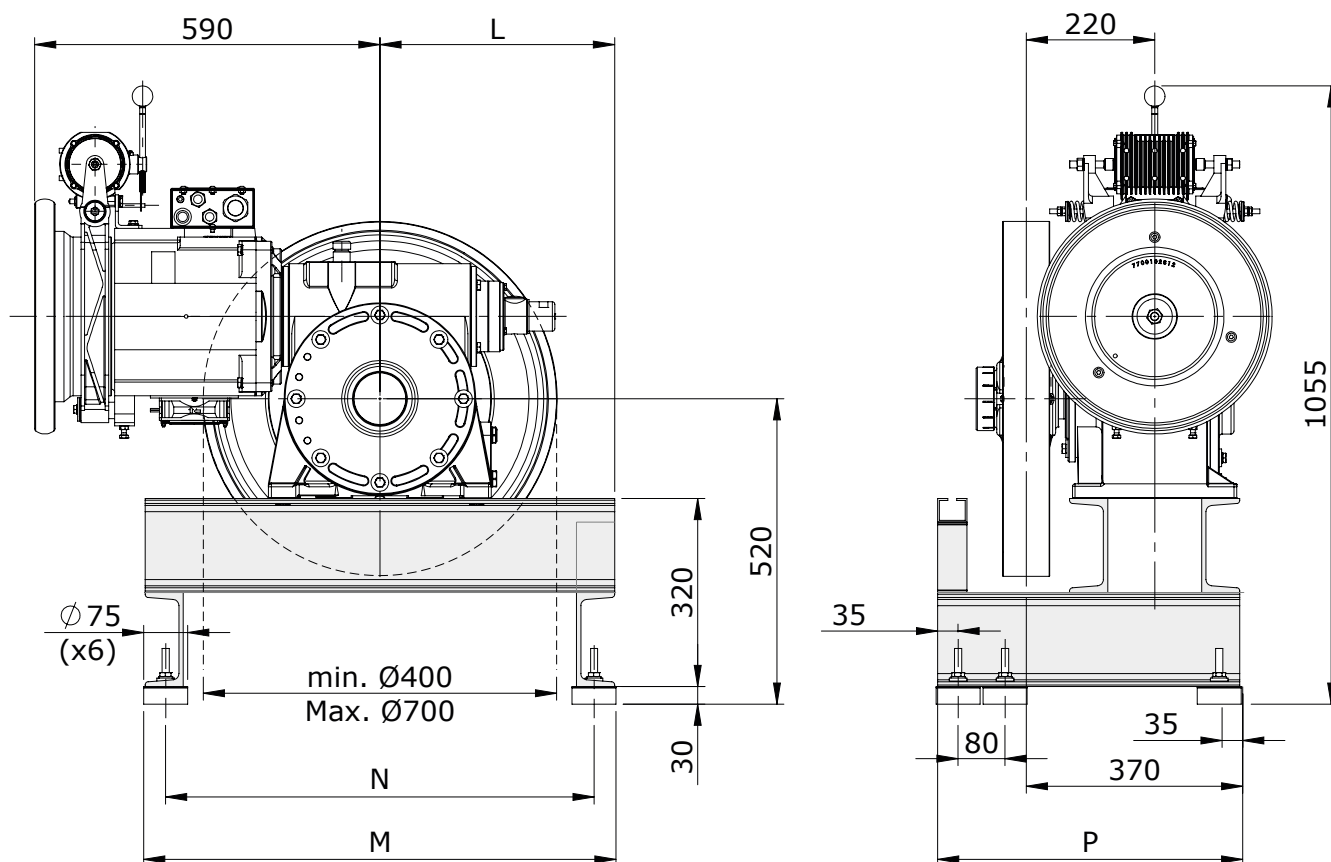
Dimensioni / Dimensions [mm]

Internal Ropes

ØD1	I Max	A
320	890	255
360	910	235
400	930	215
450	955	190
480	970	175
520	870	275
560	890	255
600	910	235
650	935	210
700	960	185

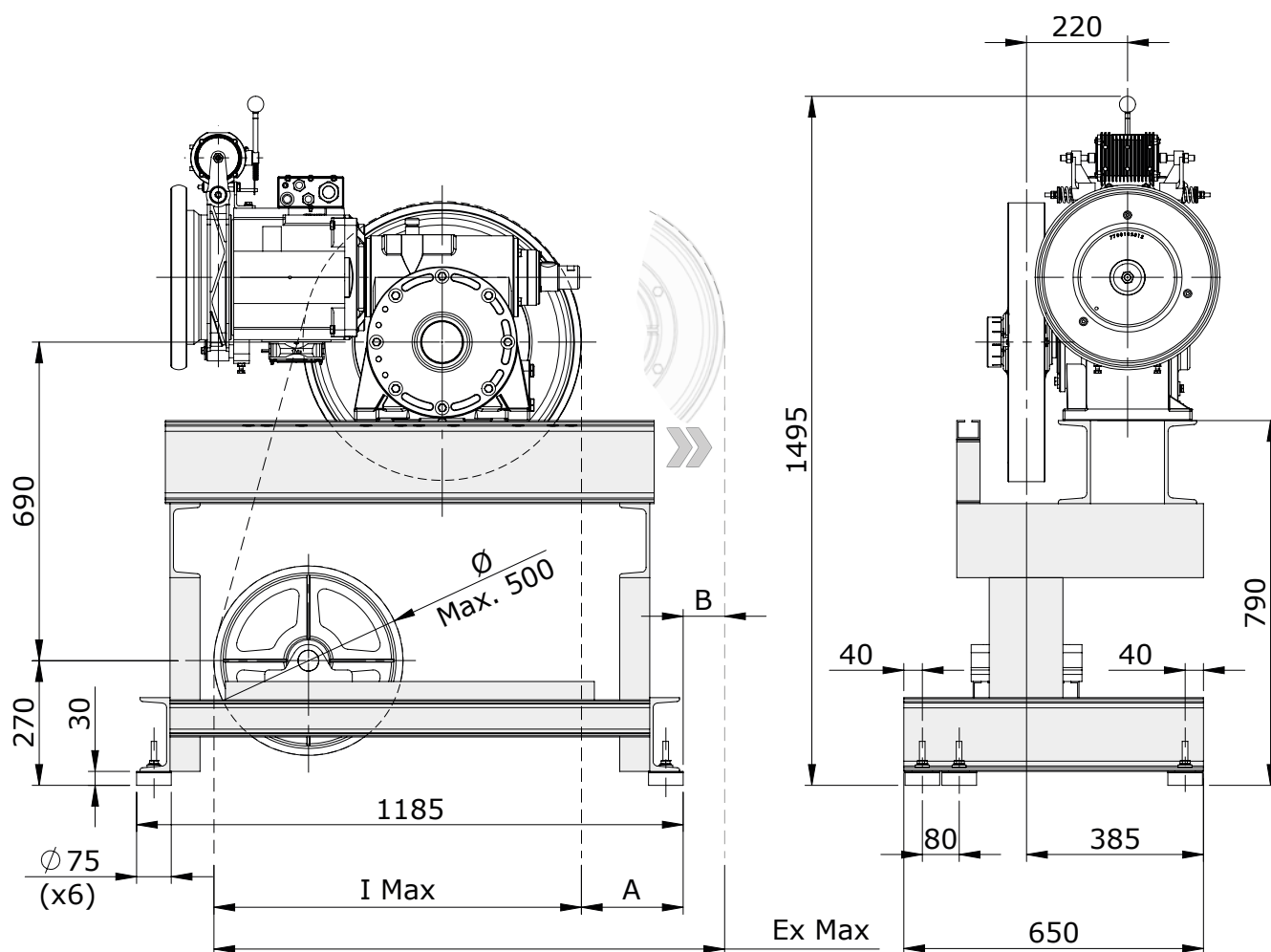
External Ropes

ØD1	Ex Max	B
600	1150	5
650	1175	30
700	1200	55



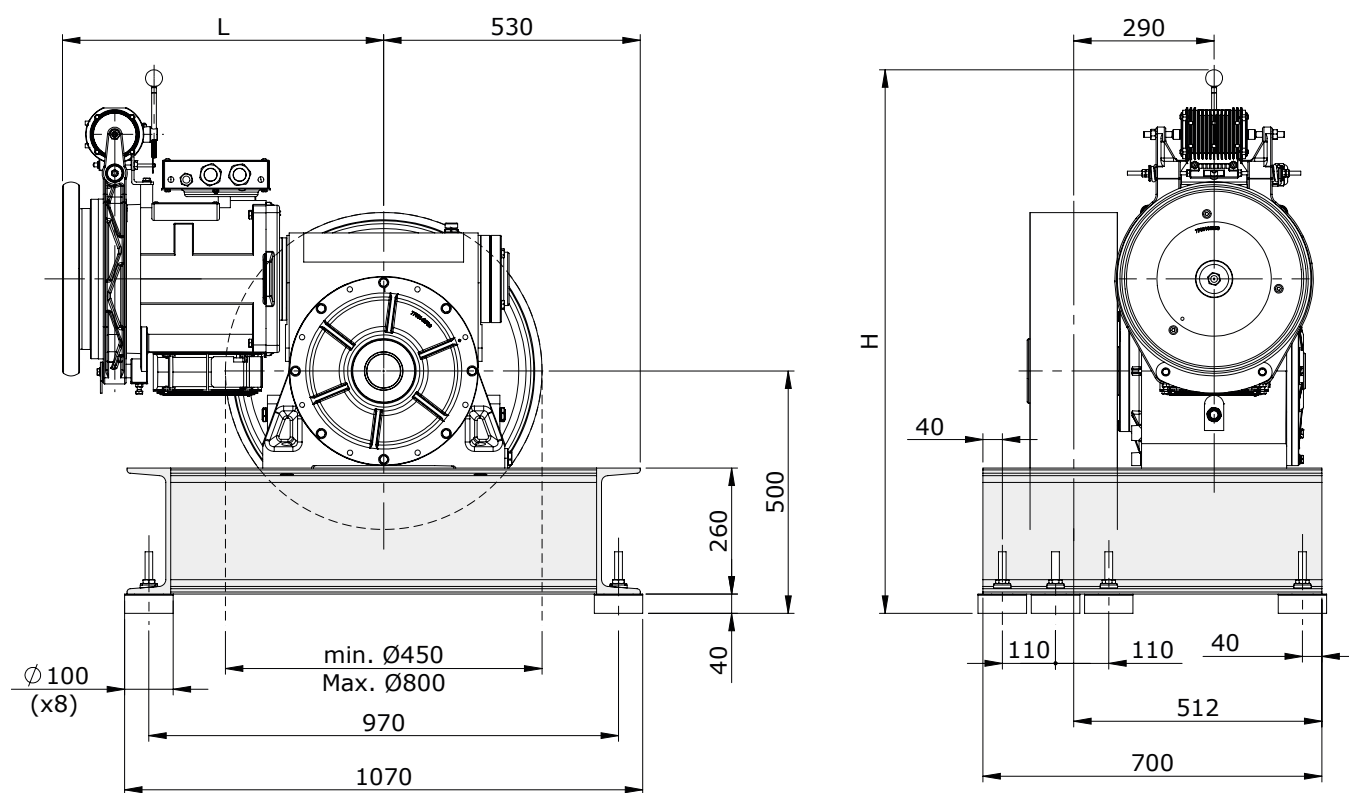
Dimensioni / Dimensions [mm]		
	Ø 400-600	Ø 650-700
L	400	485
P	520	600
N	730	900
M	805	975





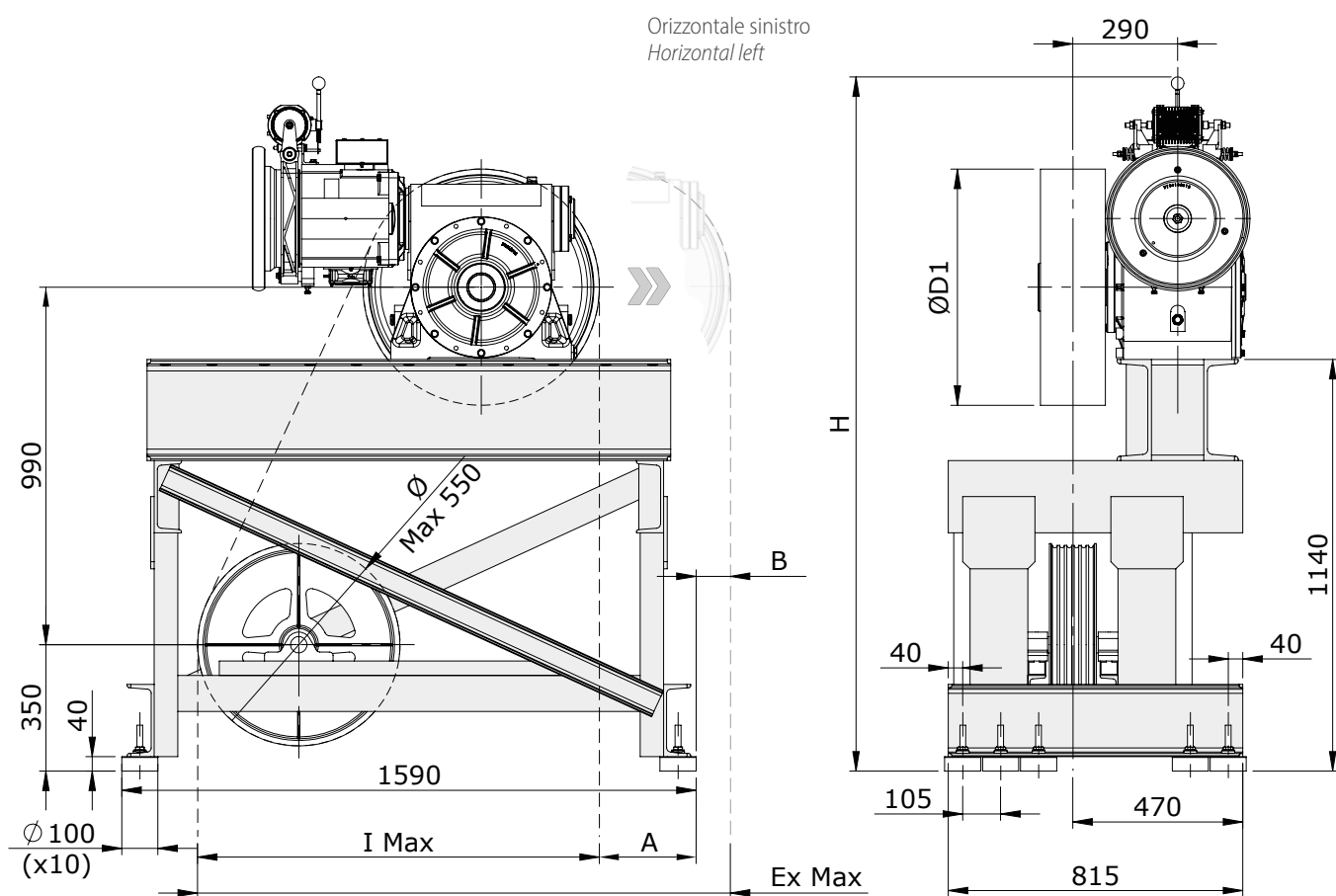
Dimensioni / Dimensions [mm]		
Internal Ropes		
$\varnothing D1$	I Max	A
400	855	172
450	770	257
480	785	242
520	805	222
560	825	202
600	845	182
650	870	157
700	785	242

External Ropes		
$\varnothing D1$	Ex Max	B
600	1065	37
650	1090	62
700	1115	87



Dimensioni / Dimensions [mm]			
	Mot. 240	Mot. 270	Mot. 330
L	635	665	810
H	1085	1125	1215



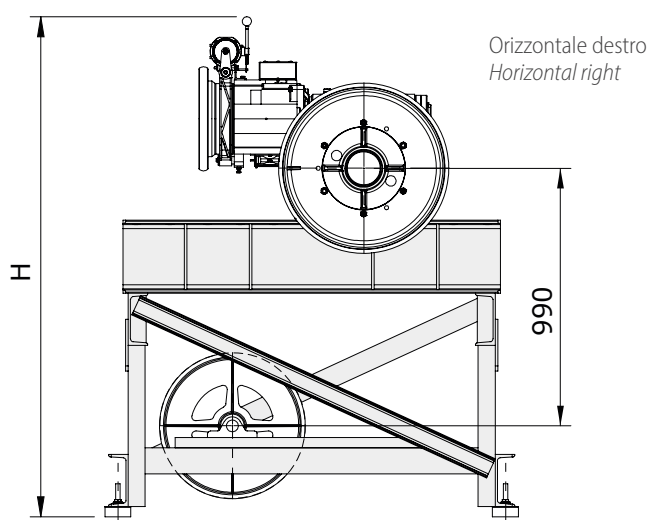


Dimensioni / Dimensions [mm]

Motor Size	H
240	1925
270	1965
330	2055

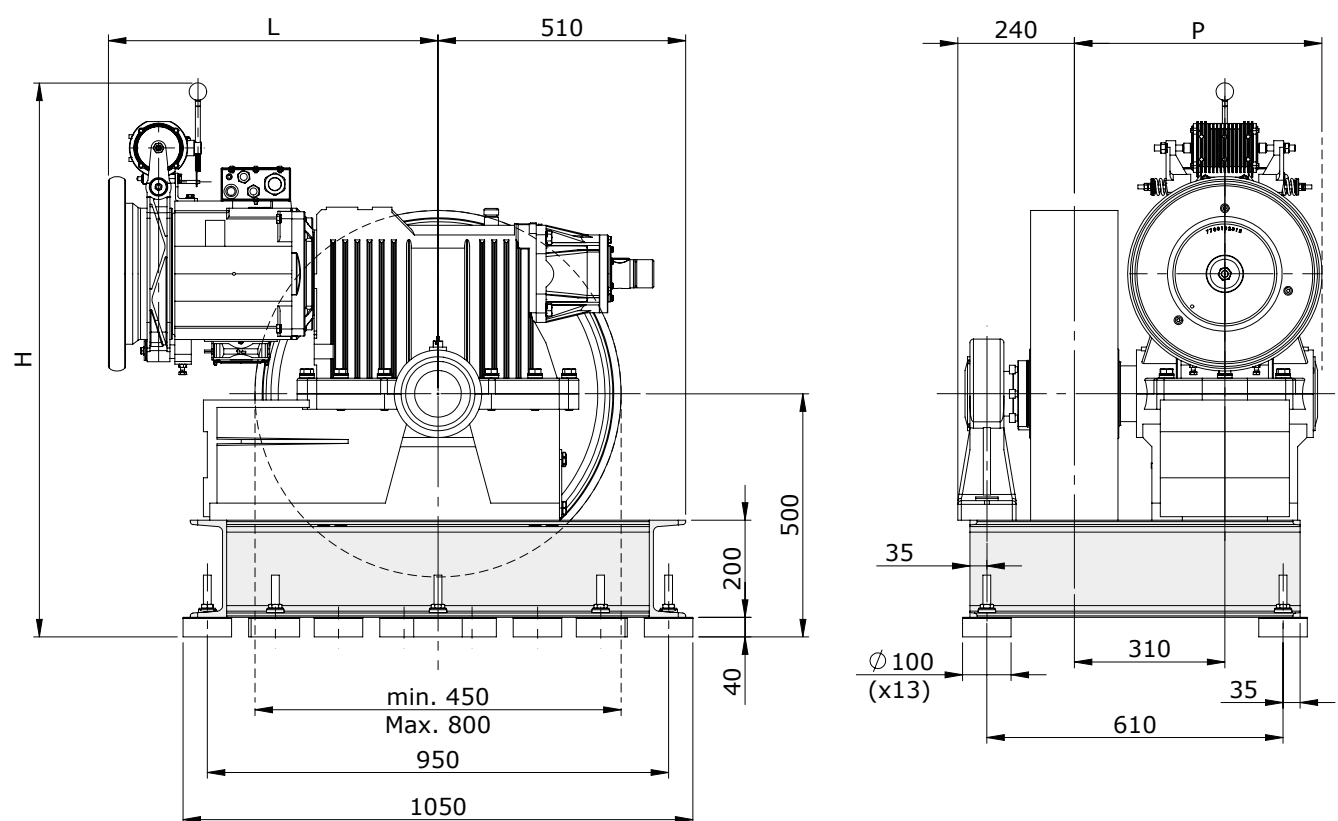
Dimensioni / Dimensions [mm]

Internal Ropes		
ØD1	I Max	A
450	1135	270
480	1150	255
520	1170	235
560	1190	215
600	1210	195
650	1135	270
700	1160	245
750	1185	220
800	1210	195



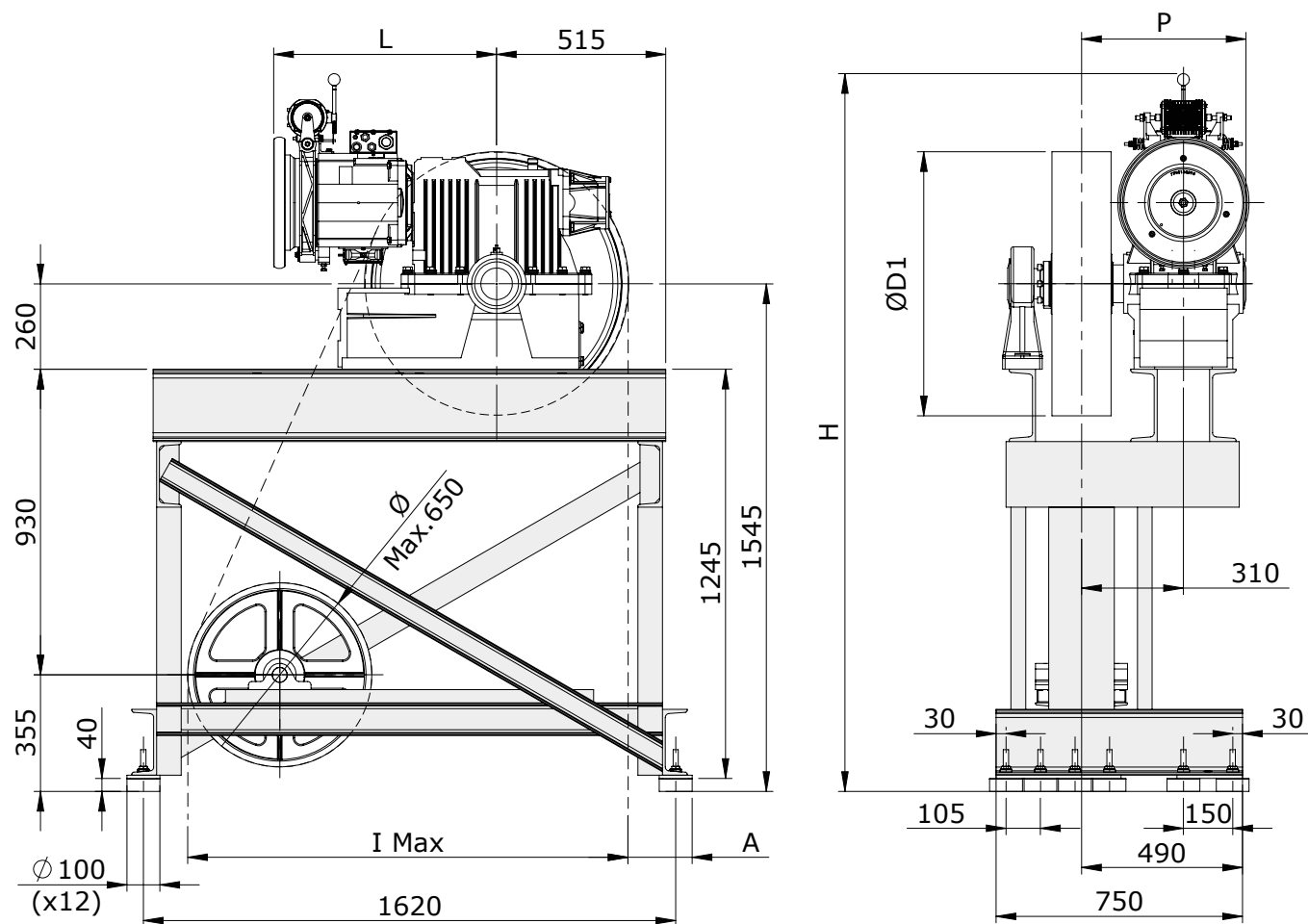
External Ropes

ØD1	Ex Max	B
600	1410	5
650	1435	30
700	1460	55
750	1485	80
800	1510	105



Dimensioni / Dimensions [mm]			
	Mot. 240	Mot. 270	Mot. 330
H	1145	1190	1300
L	680	710	865
P	510	520	610





Dimensioni / Dimensions [mm]		
Internal Ropes		
ØD1	I Max	A
450	1165	370
480	1180	355
520	1200	335
560	1220	315
600	1240	295
650	1265	270
700	1290	245
750	1315	220
800	1340	195

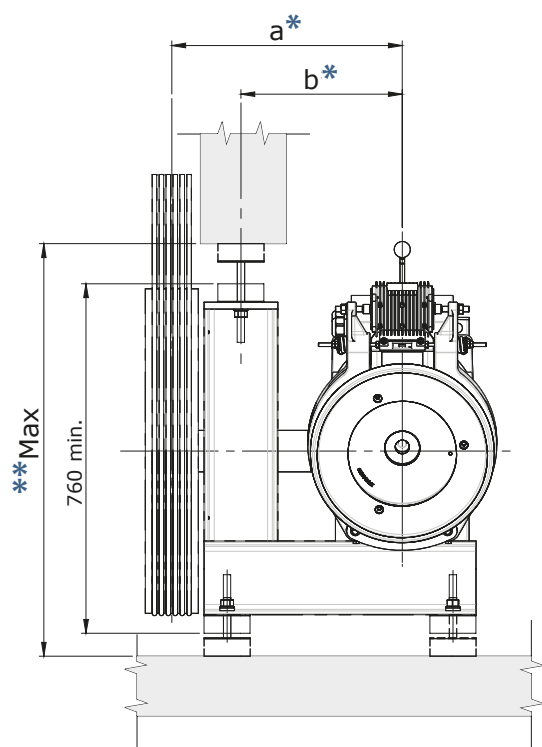
	Mot. 240	Mot. 270	Mot. 330
H	2185	2225	2316
L	676	705	860
P	510	540	610



TELAI IN NICCHIA / NICHE FRAMES

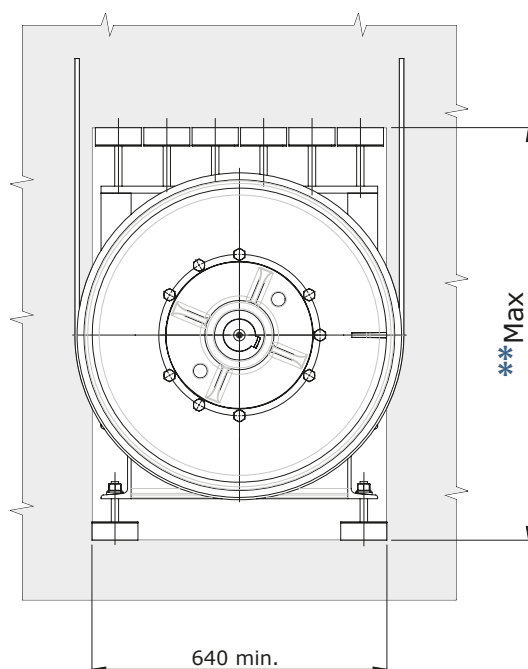
TORO

Telaio in nicchia / Niche frame



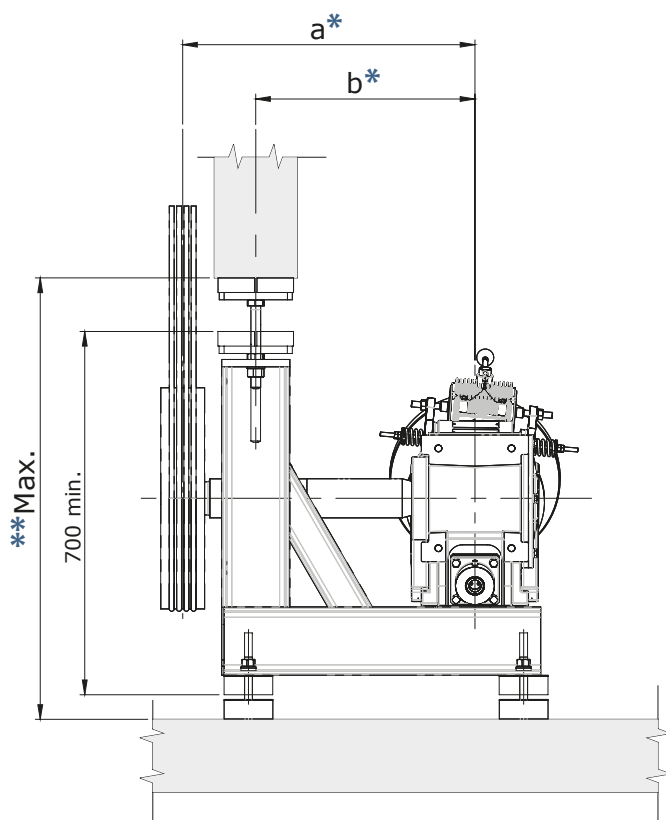
* Vedi tabella alberi allungati
* See chart Extended Shaft

** Dimensioni a richiesta
** Dimensions on request



LEO

Telaio in nicchia / Niche frame



* Vedi tabella alberi allungati
* See chart Extended Shaft

** Dimensioni a richiesta
** Dimensions on request

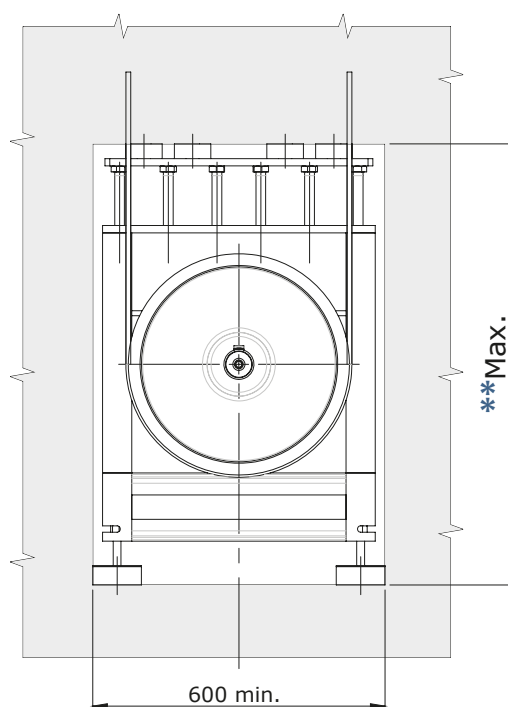




TABELLA ACCESSORI / ACCESSORIES TABLE

ACCESSORI ARGANI GEARED MACHINES ACCESSORIES	MODY	LEO	MF48	TORO	MF84	MF94	MB94	MB95	MB108
GUARDAFUNI / ROPES GUARD	+	+	+	+	+	+	+	+	+
BLOCCAFUNI / ROPES CLAMP	+	+	+	+	+	+	+	+	+
ATTACCO ENCODER / ENCODER COUPLING	+	+	+	+	+	+	+	+	+
ENCODER / ENCODER	+	+	+	+	+	+	+	+	+
PROTEZIONE PULEGGIA / SHEAVE PROTECTION	+	+	+	+	+	+	+	+	+
PROTEZIONE CONTRO CORPI ESTRANEI PROTECTION AGAINST FOREIGN BODIES	+	+	+	+	+	×	×	×	×
PULEGGIA CON BORDINI (AUSTRALIA) SHEAVE WITH EXTERNAL RIMS (AUSTRALIA)	×	×	+	+	+	+	+	+	+
TAMBURO / DRUM	×	+	+	+	+	+	+	+	×
FRENO DI EMERGENZA EN81-20 EMERGENCY BRAKE EN81-20	+	+	+	+	+	×	×	×	+
PREDISPOSIZIONE FRENO ASSE LENTO PREDISPOSITION FOR BRAKE ON SLOW SHAFT	+	+	+	+	+	×	×	×	×
ECOBRAKE / ECOBRAKE	+	+	+	+	+	+	+	+	+
ALBERI ALLUNGATI / EXTENDED SHAFTS	×	+	+	+	+	+	+	+	+
SUPPORTO ESTERNO / OUTBOARD BEARING	+	+	+	+	+	✓	✓	✓	✓
VENTILAZIONE FORZATA MAGGIORATA (con motore VF) INCREASED FORCED VENTILATION (for VF motor)	×	+	+	+	+	+	×	×	×
PREDISPOSIZIONE CAVO APERTURA MANUALE A DISTANZA DEL FRENO PRINCIPALE / PREDISPOSITION FOR HAND RELEASE REMOTE CABLE FOR MAIN BRAKE	+	+	+	+	+	×	×	×	×
CONTROLLO APERTURA GANASCE / CONTROL FOR BRAKE SHOES OPENING	+	+	+	+	+	+	+	+	+
INVERTER / INVERTER	+	+	+	+	+	+	+	+	+
MANOVRA DI EMERGENZA MAN-MAN EMERGENCY MANOEUVRE MAN-MAN	+	+	×	×	×	×	×	×	×
MANOVRA DI EMERGENZA MAN-ELE EMERGENCY MANOEUVRE MAN-ELE	+	+	×	×	×	×	×	×	×
TROPICALIZZAZIONE MOTORE / MOTOR TROPICALIZATION	+	+	+	+	+	+	+	+	+
PROTEZIONE IP 54 / IP54 PROTECTION	×	×	×	×	×	×	+	+	+
TELAIO PIANO / FLAT FRAME	+	+	+	+	+	+	+	+	+
TELAIO CON DEVIAZIONE / FRAME WITH DIVERTORS	+	+	+	+	+	+	+	+	+
ANTIVIBRANTI / VIBRATION DAMPERS	+	+	+	+	+	+	+	+	×
FORNITURA OLIO MINERALE / MINERAL OIL	×	×	+	×	×	×	×	×	×
FORNITURA OLIO SINTETICO / SYNTHETIC OIL	✓	✓	+	✓	✓	+	+	+	+

✓ DI SERIE / STANDARD

+ A RICHIESTA / ON REQUEST

× NON DISPONIBILE / NOT AVAILABLE





Motori (VVVF - 4 Poli) / Motors (VVVF - 4 Poles), 400 V, 50 Hz												
Tipo Type	Poli Poles	Pn.s	Mn	IO	In	cos φ	rpm	s	J rot	Range of use	Argani Geared machines	
		[Hp]	[kW]	[Nm]	[A]	[A]		[%]	[kgm ²]	[kW]		
240075A-VF4	4	5,5	4	25,5	6	9,0	0,74	1422	5,2	0,052	2,2 ÷ 4,0	Mody - MF48 Leo - Toro MF84
	4	8	5,9	37,6	6	14,5	0,83	1371	8,6	0,052	4,1 ÷ 5,9	
240095A-VF4	4	9,5	7	44,5	8,9	16,1	0,78	1408	6,1	0,067	5,9 ÷ 7,0	MF48 - MF94 Leo - Toro MF84
240118A-VF4	4	13	9,5	62	9,5	21,0	0,83	1406	6,3	0,105	7,1 ÷ 9,5	
240142A-VF4	4	16	11,8	74	14,2	26,2	0,78	1426	4,9	0,112	9,6 ÷ 11,8	Toro - MF84 MF94
240171A-VF4	4	18	13,2	84	15,5	28,0	0,79	1435	4,3	0,122	11,9 ÷ 13,2	
270172A-VF4	4	24,0	17,6	112,4	14,7	34,5	0,86	1430	4,7	0,156	13,3 ÷ 17,6	Toro - MF84 MF94
270196A-VF4	4	28,0	20,6	131,1	18,9	41,5	0,89	1435	4,3	0,168	17,7 ÷ 20,6	
330160A-VF4	4	34,0	25,0	159,2	33,5	58,5	0,79	1481	1,3	0,275	20,7 ÷ 25	MF84 - MF94
330200A-VF4	4	38,0	27,9	178,0	33,4	61,0	0,8	1483	1,1	0,302	25,1 ÷ 27,9	MF94

Per i dati relativi agli altri motori vedere il Catalogo motori disponibile su www.sassi.it

Data relating to other motors available in Motor catalogue at www.sassi.it

Significato simboli / Symbols meaning		
Simbolo / Symbol	IT	EN
Vn	Tensione nominale [V]	Rated voltage [V]
fn	Frequenza nominale [Hz]	Rated frequency [Hz]
Pn.s	Potenza nominale riferita alla velocità sincrona (a 1500 rpm)	Rated synchronous power (at 1500 rpm)
Mn	Coppia nominale [N·m]	Rated torque [N·m]
IO	Corrente a vuoto [A]	No-load current [A]
In	Corrente nominale [A]	Rated current [A]
cos φ	Fattore di potenza	Power factor
rpm	Velocità nominale [rpm]	Rated speed [rpm]
s	Scorrimento	Sliding
J rot	Inerzia del rotore [kg·m ²]	Inertia of rotor [kg·m ²]



Motori (4 - 16 Poli) / Motors (4 - 16 Poles), 400 V, 50 Hz										
Tipo Type	Poli Poles	Pn.s		Mn	IO	In	cos φ	rpm	s	J rot
		[Hp]	[kW]	[Nm]	[A]	[A]				[kgm²]
240095A	4	5,4	4,0	25,7	5,70	9,5	0,86	1357	9,5	0,097
	16				7,50	7,3	0,67	283	24,5	
240118A	4	6,7	4,9	31,4	7	11,1	0,82	1377	8,2	0,105
	16				9,2	8,9	0,55	284	24,3	
240142A	4	7,5	5,5	35,1	6,3	12,2	0,86	1366	8,9	0,111
	16				9,2	9,4	0,58	284	24,3	
240171A	4	10,1	7,4	46,8	9,8	16,4	0,83	1380	8,0	0,122
	16				14	13,8	0,54	288	23,2	
270172A	4	12,5	9,2	59	8,4	19,6	0,9	1352	9,9	0,156
	16				11,5	12,3	0,64	272	27,5	
270196A	4	15,0	11,0	70	10,5	24	0,85	1351	9,9	0,168
	16				13,2	14,2	0,63	265	29,3	
330160R	4	18,0	13,2	84	12,5	30,5	0,84	1338	10,8	0,275
	16				21,7	24,2	0,46	331	11,7	
	4	21,0	15,4	98	14,5	33,5	0,85	1371	8,6	0,275
	16				26	28,5	0,45	342	8,8	
330200R	4	22,0	16,2	103	16	34,6	0,86	1387	7,5	0,302
	16				25,8	28,6	0,44	339	9,6	
	4	26,0	19,1	122	19	40,5	0,88	1377	8,2	0,302
	16				32,9	35,3	0,46	336	10,4	
	4	28,0	20,6	131	22,5	45	0,82	1405	6,3	0,302
	16				39,4	43,7	0,45	344	8,3	

Per i dati relativi agli altri motori vedere il Catalogo motori disponibile su www.sassi.it

Data relating to other motors available in Motor catalogue at www.sassi.it

Significato simboli / Symbols meaning		
Simbolo / Symbol	IT	EN
Vn	Tensione nominale [V]	Rated voltage [V]
fn	Frequenza nominale [Hz]	Rated frequency [Hz]
Pn.s	Potenza nominale riferita alla velocità sincrona (a 1500 rpm)	Rated synchronous power (at 1500 rpm)
Mn	Coppia nominale [N·m]	Rated torque [N·m]
IO	Corrente a vuoto [A]	No-load current [A]
In	Corrente nominale [A]	Rated current [A]
cos φ	Fattore di potenza	Power factor
rpm	Velocità nominale [rpm]	Rated speed [rpm]
s	Scorrimonto	Sliding
J rot	Inerzia del rotore [kg·m ²]	Inertia of rotor [kg·m ²]



Motori (4 - 16 Poli) / Motors (4 - 16 Poles), 400 V, 60 Hz										
Tipo Type	Poli Poles	Pn.s		Mn	IO	In	cos φ	rpm	s	J rot
		[Hp]	[kW]	[Nm]	[A]	[A]			[%]	[kgm ²]
240095A	4	6,0	4,4	23,5	6	10,8	0,88	1618	10,1	0,097
	16				6,9	7,3	0,68	315	30,0	
240118A	4	7,0	5,2	27,3	6,5	12	0,87	1614	10,3	0,105
	16				8,5	8,7	0,61	330	26,7	
240142A	4	8,0	5,9	31,2	7,5	13,3	0,85	1700	5,6	0,111
	16				10,6	11	0,46	388	13,8	
240171A	4	10,0	7,3	38,9	8,2	16,3	0,87	1630	9,5	0,122
	16				13,9	14,2	0,54	349	22,4	
270172A	4	12,0	8,8	46,7	8,3	20,2	0,9	1630	9,5	0,156
	16				10,6	11,6	0,61	324	28,0	
270196A	4	16,0	11,8	63	10,2	24,9	0,91	1631	9,4	0,168
	16				13,2	14,6	0,61	328	27,2	
330160R	4	17,0	12,5	67	13,8	28,2	0,82	1676	6,9	0,275
	16				20	22,3	0,46	413	8,3	
	4	20,0	14,7	78	16,3	35	0,84	1624	9,8	0,275
	16				23,6	26,8	0,48	394	12,5	
330200R	4	26,0	19,1	102	19	44,5	0,82	1706	5,2	0,302
	16				34	37,4	0,45	410	8,8	
	4	28,0	20,6	109	20,6	47,4	0,8	1690	6,1	0,302
	16				33	37,8	0,44	409	9,1	
	4	32,0	23,5	125	25	52,3	0,85	1693	5,9	0,302
	16				43,5	46,6	0,43	413	8,3	

Per i dati relativi agli altri motori vedere il Catalogo motori disponibile su www.sassi.it

Data relating to other motors available in Motor catalogue at www.sassi.it

Significato simboli / Symbols meaning		
Simbolo / Symbol	IT	EN
Vn	Tensione nominale [V]	Rated voltage [V]
fn	Frequenza nominale [Hz]	Rated frequency [Hz]
Pn.s	Potenza nominale riferita alla velocità sincrona (a 1500 rpm)	Rated synchronous power (at 1500 rpm)
Mn	Coppia nominale [N·m]	Rated torque [N·m]
IO	Corrente a vuoto [A]	No-load current [A]
In	Corrente nominale [A]	Rated current [A]
cos φ	Fattore di potenza	Power factor
rpm	Velocità nominale [rpm]	Rated speed [rpm]
s	Scorrimonto	Sliding
J rot	Inerzia del rotore [kg·m ²]	Inertia of rotor [kg·m ²]





Azienda con sistema di gestione qualità
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