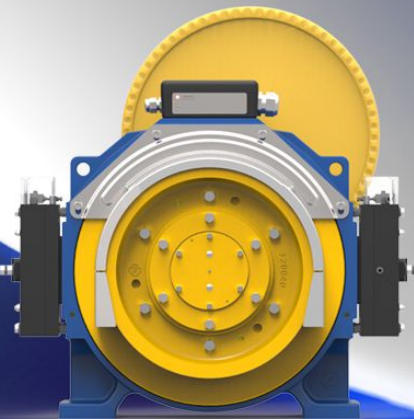
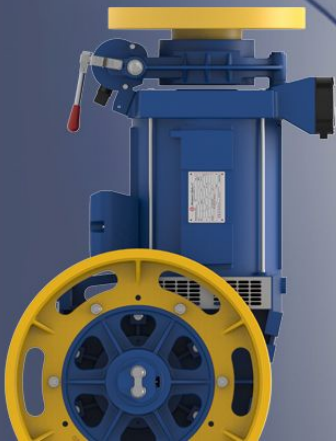


Montanari



Montanari Group
GEARLESS&GEARBOX
TRACTION MACHINES

solutions maintenance



По вопросам продаж и поддержки обращайтесь:

Алматы (7273)495-231
Архангельск (8182)63-90-72
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Белгород (4722)40-23-64
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Вологда (8172)26-41-59
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Екатеринбург (343)384-55-89
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Липецк (4742)52-20-81
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Ростов-на-Дону (863)308-18-15
Рязань (4912)46-61-64
Самара (846)206-03-16
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Смоленск (4812)29-41-54
Сочи (862)225-72-31
Ставрополь (8652)20-65-13
Сургут (3462)77-98-35
Тверь (4822)63-31-35
Томск (3822)98-41-53
Тула (4872)74-02-29
Тюмень (3452)66-21-18
Ульяновск (8422)24-23-59
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Челябинск (351)202-03-61
Череповец (8202)49-02-64
Ярославль (4852)69-52-93

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Montanari Group
GEARLESS&GEARBOX
TRACTION MACHINES

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Accessories

THE ART OF MAKING TRACTION MACHINES

**GUARANTEE TO ALL CUSTOMERS ALL
OVER THE WORLD THE DISTINCTIVE
QUALITY OF THE MONTANARI BRAND.**



Montanari Group

GEARLESS & GEARBOX
TRACTION MACHINES



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GEARLESS & GEARBOX
TRACTION MACHINES

Before you start. Easy.

A catalogue designed for you with many easy and intuitive tools ready to help and guide you through consultation and choice. Easy is the word that guided us in this project and we're sure, you will love it.

GROUP HEADQUARTER



MONTANARI GIULIO & C.

Italian Management and manufacturing plant.
Modena - Italy: aerial view.

Montanari Group was founded on 1970 by Giulio Montanari. The group headquarter is in Italy - Modena a land known all over the world as the Motor Valley. The plant of the parent company of Montanari group has a 485,000 sqft surface and more than 30,000 machines leave from here every year for a global distribution.

Manufacturing is internal at 95% and ISO 9001 certified. Since 1970, Montanari traction machines and components are the beating heart of thousands of elevators in the world.



Montanari Group

GEARLESS&GEARBOX
TRACTION MACHINES

MONTANARI GROUP INDIA



MONTANARI LIFTS COMPONENTS

Manufacturing plant.

Pune - Maharashtra: aerial view.

PUNE

SINCE 2008

MONTANARI GROUP operates in India through MONTANARI LIFTS COMPONENTS Pvt. Ltd.

The indian manufacturing and management plant has a surface of 200,000 sqft. Montanari is a leading brand in design, manufacturing and distribution of traction machines and components for elevators and escalators. More than 15,000 machines are produced and distributed every year on indian market.

To be closer to our customers needs, a logistic and technical support network has been organized in **Kolkata, Chennai, Ahmedabad, Delhi and Bangalore.** Here customers will find sales support, machines and components on stock and of course the best assistance service provided by our technical team.



Montanari Lifts Components Pvt. Ltd.

An ISO 9001 certified company.



Montanari Group

GEARLESS&GEARBOX
TRACTION MACHINES

A BRAND YOU CAN TRUST WITHOUT RESERVATION

What will you find inside a Montanari Product?

When we design and produce our machines and components, we think to the people that will use them.

User friendly products, easy to install and maintain.

You will benefit of our technical support before and after sales, advise in project design, staff training, our exclusive logistic network and much more.

Montanari is a leading brand in the lift market since 50 years.

Design and production of traction machines has become for us an art that we love to share with our customers creating reciprocal value.

MONTANARI LIFTS COMPONENTS



Manufacturing plant.
Pune - Maharashtra: view of the showroom.



Montanari Group

GEARLESS&GEARBOX
TRACTION MACHINES

GEARBOXES



MONTANARI LIFTS COMPONENTS

Manufacturing plant.

Pune - Maharashtra: view of gearbox manufacturing area.



**DURABLE
AND RELIABLE
TRACTION MACHINES.
FOR YOUR BEST
PROJECTS**

1:1		LOAD										
		kg										
		408	544	680	884	1500	2000	3000	4500	5000	5500	
Static load	kg	2000	M67									
		2300	M77									
		2700	M77H									
		3200	M87									
		5000	M93									
		7000	M98									
		12000	M104									
		15000	M109									

#16



M67

#18



M77-M77H

#20



M87

#22



M93

#24



M98

#26



M104

#28



M109

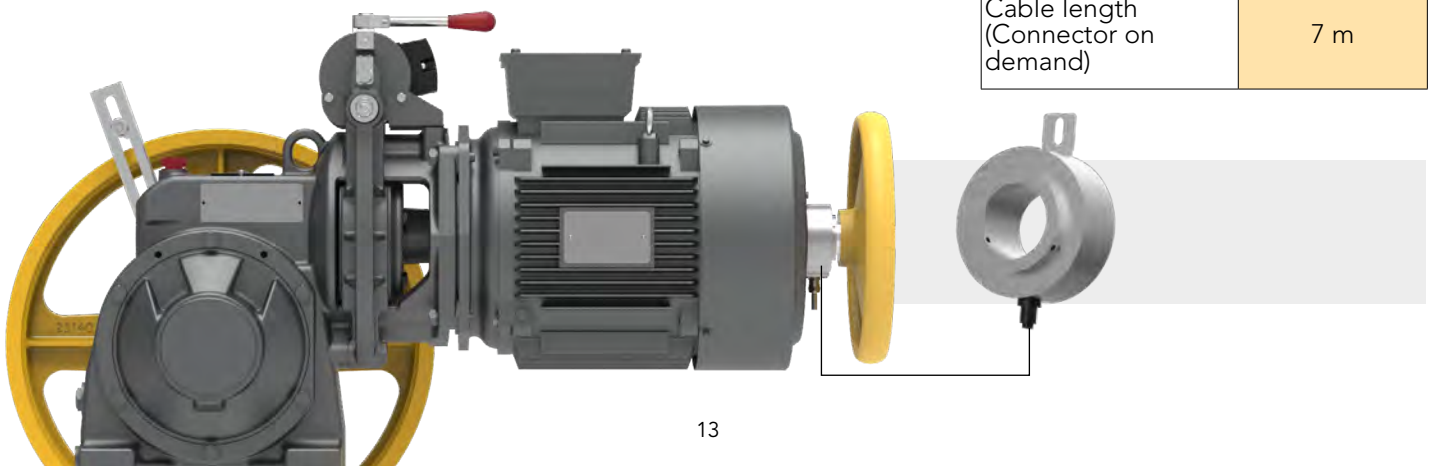
MODULARITY

All Montanari gearboxes can be disassembled into three parts to allow transport and assembly work in machine room.



ENCODER: TECHNICAL FEATURES

Exit circuit	PushPull Line Driver
Output signal	A B Z A B Z
Voltage	5 - 30VDC
Standard Resolution	1024ppr
Protection degree	IP54
Operating temperature	-4 / +100°C
Cable length (Connector on demand)	7 m





Montanari Group

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TRACTION MACHINES

GEARBOX TECHNICAL FEATURES



Montanari gears are designed for use in lifts and freight lifts in compliance with the directives and the regulations in force.

All gears have:

- a worm of hardened ground steel;
- centrifugally cast antifriction bronze crown;
- slow shaft of hardened and tempered alloy steel;
- brake equipped with independent arms and a twin magnetic circuit, available in various voltages between 24 and 220 V d.c.;
- high-resistance cast iron pulley;
- electric motors of own production.

Mineral oils with the following characteristics: Viscosity ISO VG 220 - following Index 95 - Additive EP.

Synthetic oils with the following characteristics: Viscosity ISO VG 220 - Viscosity Index 151 - Ascertained compatibility with traces of mineral oil.

OPERATING DATA

The Montanari gears are designed for use in standard and freight lifts:

- running time between the first and the last stop of 35 - 40 s max;
- cyclic duration factor of 50%;
- startings/hour varying from 90 to 240.

The allowable static load on the shaft is generally valid for all directions. Always read the indications given in the operation and maintenance manual.

PARAMETERS FOR LOAD TABLES ELABORATION:

for each type of gear are indicated the load values including the rope weight (x2), according to rated speed and power for installations balanced at 50%;

- unbalanced ropes weight;
- we report the synchronous speed detected as follows: car descending, 1/2 charge at the middle of the ride (IS14665 - 4; EN81-1:1998 /12.6 - EN81-20:2014/5.9.2.4.).

SUPPOSED SHAFT EFFICIENCY: $i = 0,8$

SUPPOSED DAILY WORKING CYCLE: 8 HOURS

With the following load examples the life expectancy ratio of each type of machine, with maximum acceptable power applied, is 30.000 hours.

A) WITH REFERENCE TO THE LOADS we have considered:

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

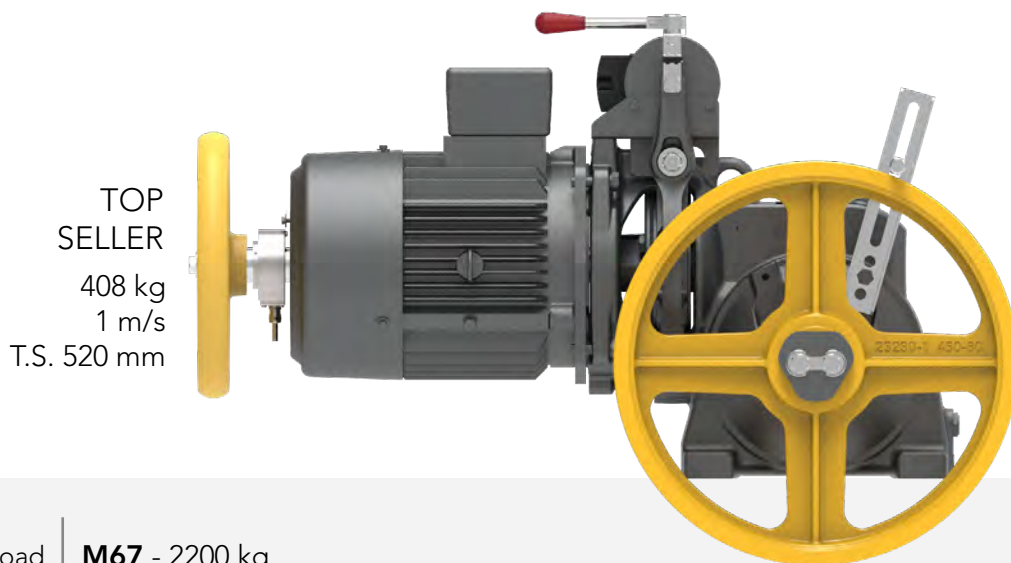
B) WITH REFERENCE TO THE STARTS PER HOUR USED AGAINST TIME PERIOD:

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

For installations where divertor pulleys are provided, the load value must be multiplied by a suitable reduction factor according to the following table.

For longer runs or higher cyclic duration factors, contact the sales office of Montanari.

TAB. 1							
DIVERTOR UNITS QUANTITY	1	2	3	4	5	6	7
REDUCTION FACTOR							
BALL BEARINGS	0,99	0,98	0,97	0,96	0,95	0,94	0,93



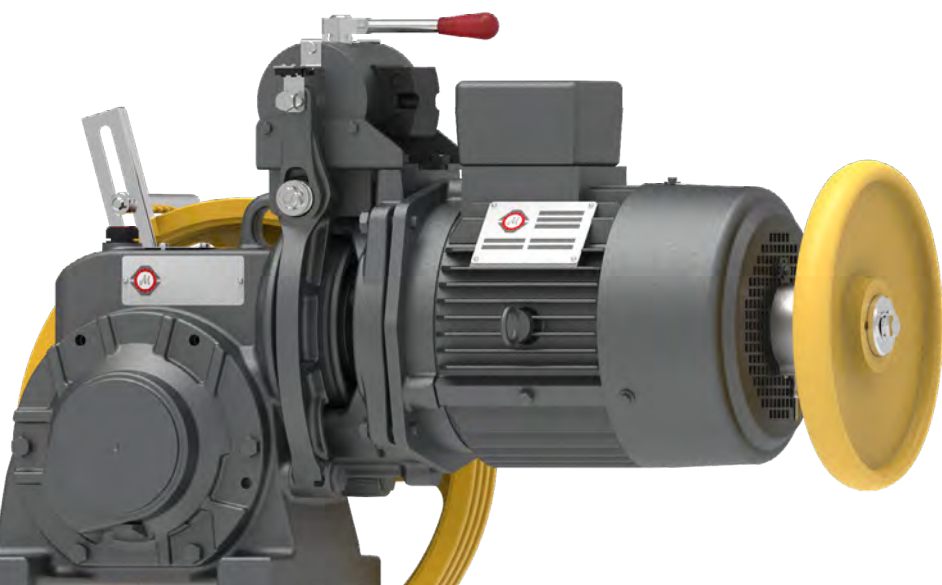
TOP
SELLER
408 kg
1 m/s
T.S. 520 mm

Static Load | **M67** - 2200 kg

Motor | VVVF 4 P

Gearbox Weight | M67 - 80 kg




Oil Capacity | 1,7 l

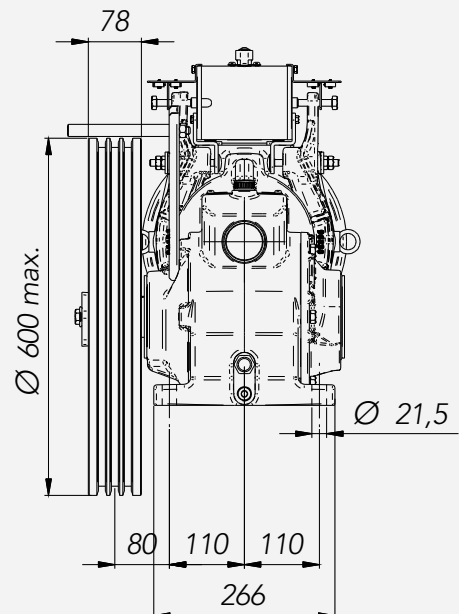
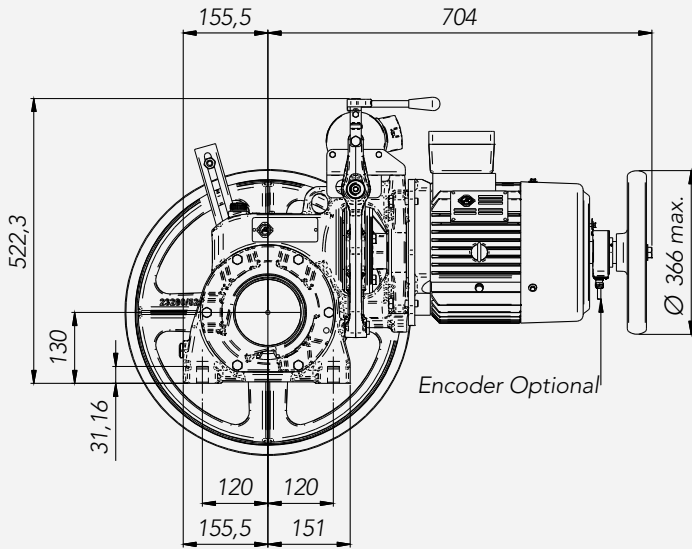


Ratio	Torque Moment	Efficiency
	Nm	1500 RPM
1/46	838	0.72
1/37	750	0.74

4P - VVF
1500 RPM

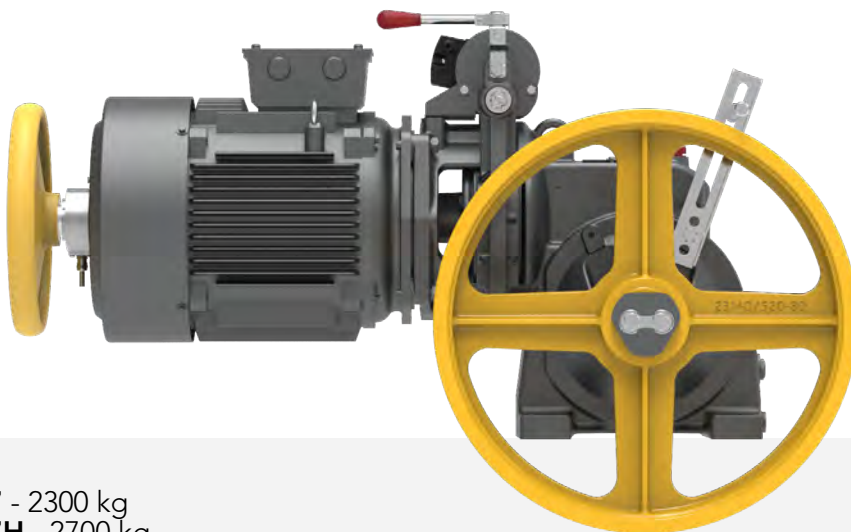


 		kW Async.	
		4	
ø mm	m/s	kg	
520 1/46	0,89	557	
550 1/46	0,94	527	
450 1/37	0,96	532	
600 1/46	1,02	483	
520 1/37	1,10	460	
550 1/37	1,17	435	





TOP
SELLER
544 kg
1 m/s
T.S. 520 mm

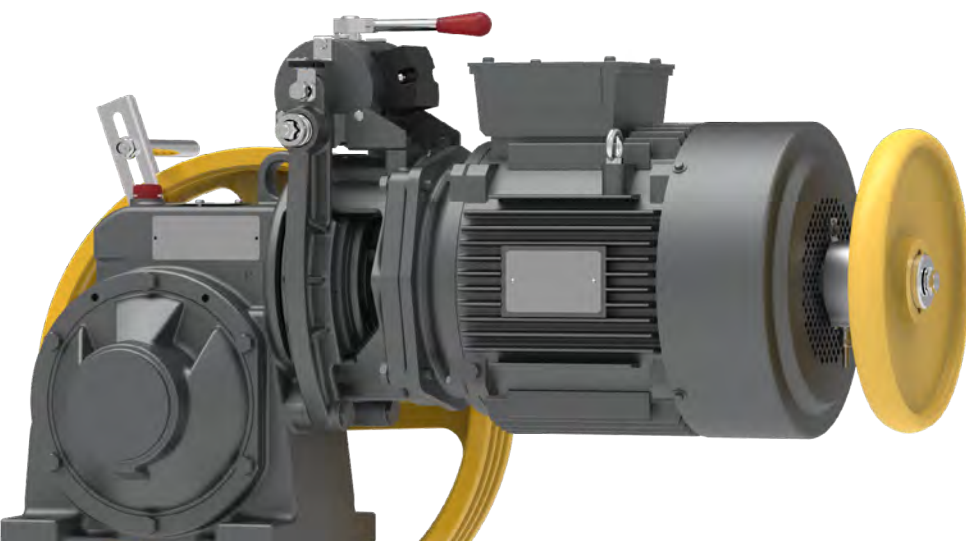


Static Load | **M77** - 2300 kg
M77H - 2700 kg

Motor | VVVF 4 P

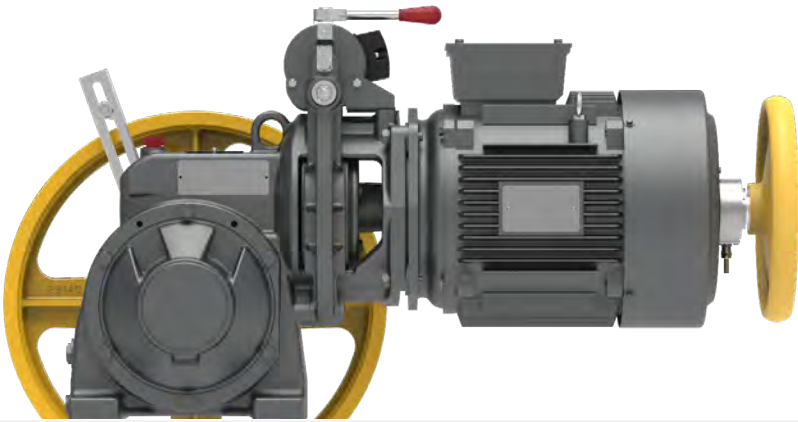
Gearbox Weight | M77/M77H - 100kg

Oil Capacity | 3 l

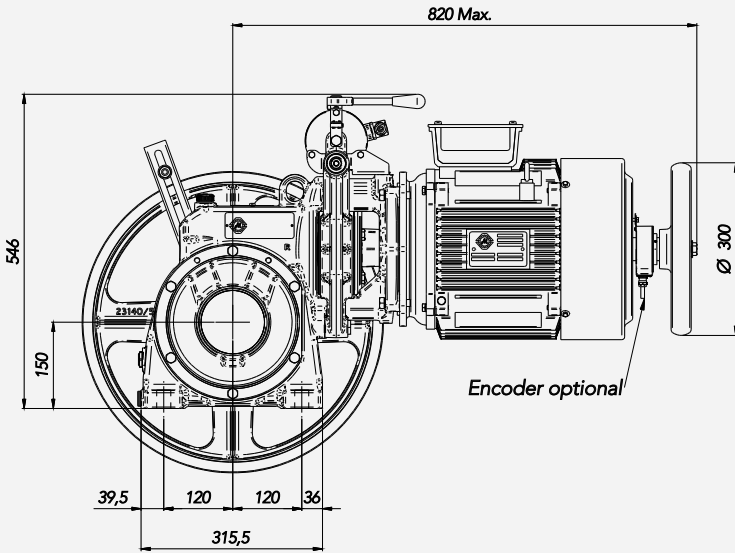


Ratio	Torque Moment	Efficiency
	Nm	1500 RPM
1/55	750	0.58
1/37	995	0.84
2/55	764	0.78

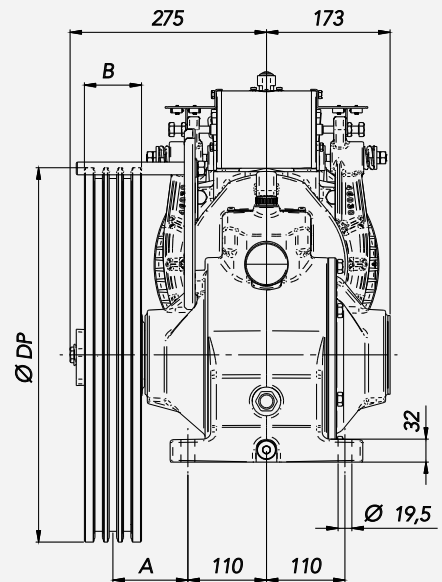
4P - VVVF
1500 RPM



ø mm	Gear Ratio	m/s	kW Async.		
			4	5,5	7,5
520	1/55	0,74	635		
550	1/55	0,79	600		
400	1/37	0,85	672	811	963
600	1/55	0,86	550		
450	1/37	0,96	598	721	856
520	1/37	1,10	517	624	741
400	2/55	1,14	464	623	693
550	1/37	1,17	489	590	700
600	1/37	1,27	448	541	642
450	2/55	1,29	412	554	616
520	2/55	1,49	357	479	533
550	2/55	1,57	337	453	504
600	2/55	1,71	309	415	462

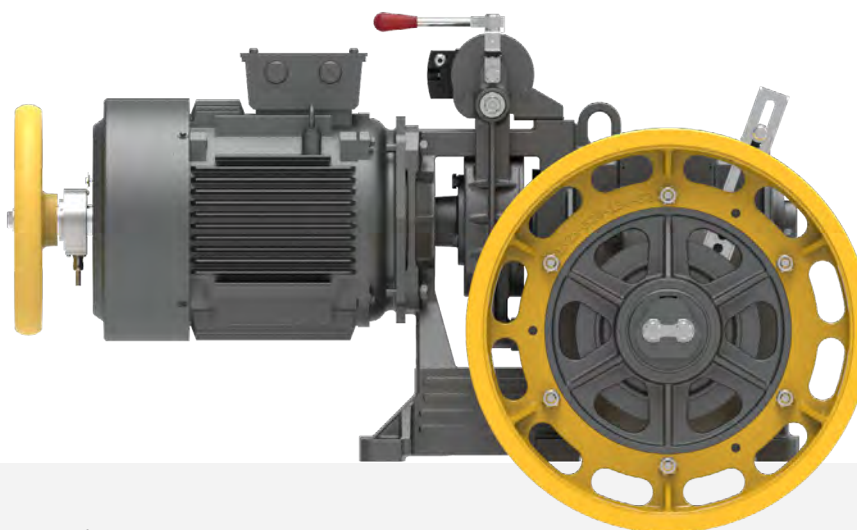


DP	B	A
mm	mm	mm
≤600	115	105





TOP
SELLER
816 kg
1 m/s
T.S. 520 mm

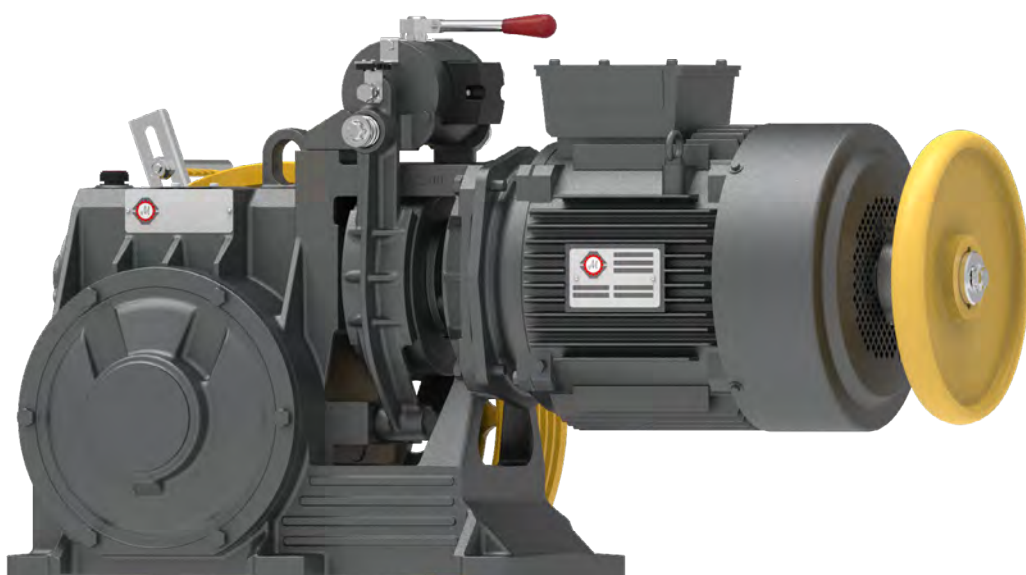


Static Load | **M87** - 3200 kg

Motor | VVVF 4 P

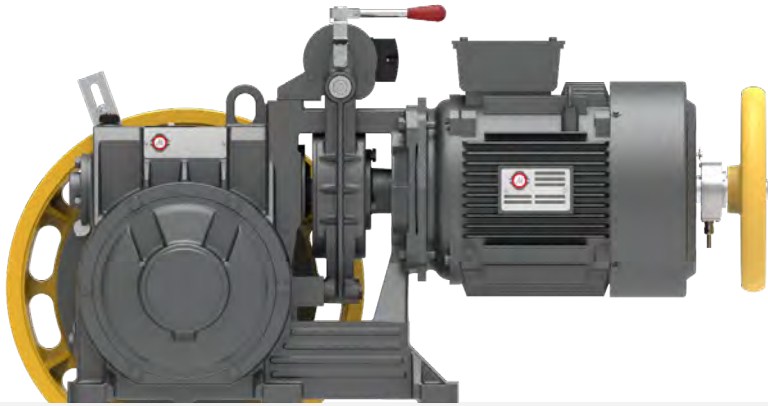
Gearbox Weight | M87 - 169 kg



Oil Capacity | 5 l

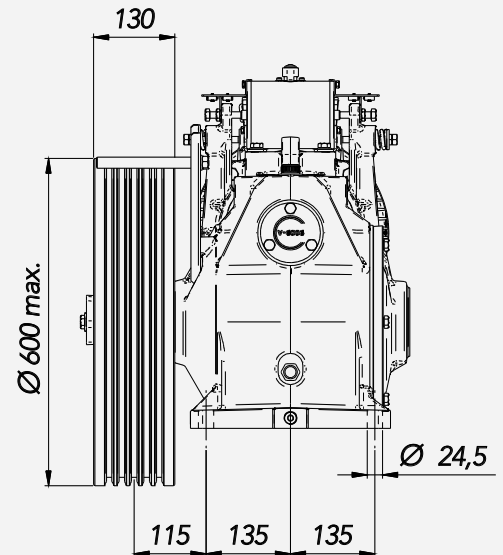
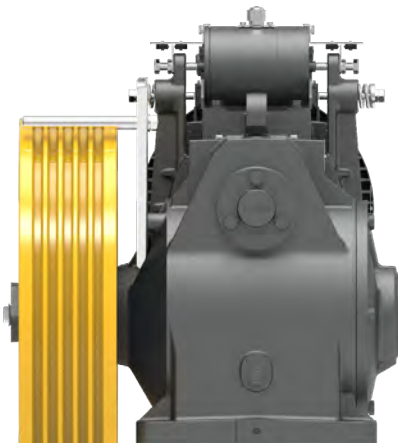
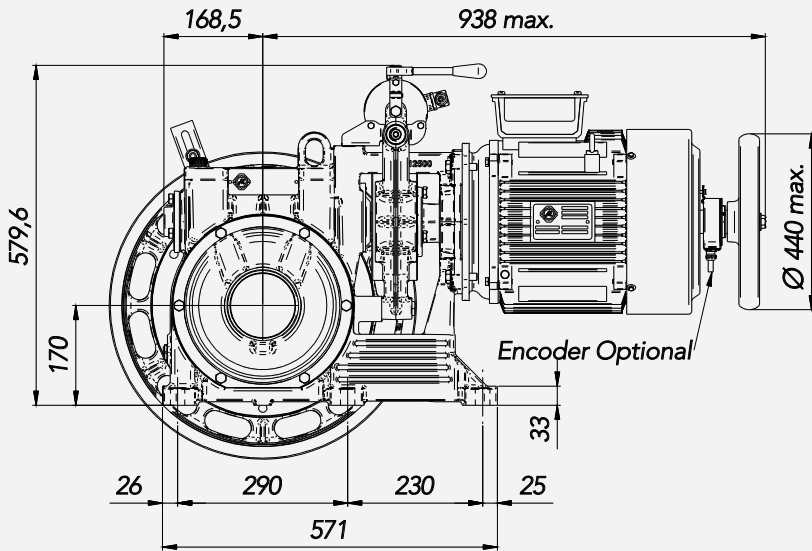


Ratio	Torque Moment	Efficiency
	Nm	1500 RPM
1/37	1465	0.72
2/41	1060	0.82
2/50	1350	0.84

4P - VVVF 1500 RPM



		kW Async.			
		7,5	9	11	
ø mm		m/s kg			
480	1/37	1,02	900	996	
520	1/37	1,10	831	919	
550	1/37	1,17	786	869	
600	1/37	1,27	720	796	
480	2/50	1,51	710	852	917
520	2/50	1,63	655	786	847
550	2/50	1,73	619	743	801
480	2/42	1,80	582	698	720
600	2/50	1,88	568	681	734
520	2/41	1,94	537	645	665
550	2/41	2,06	508	610	629
600	2/41	2,24	466	559	576



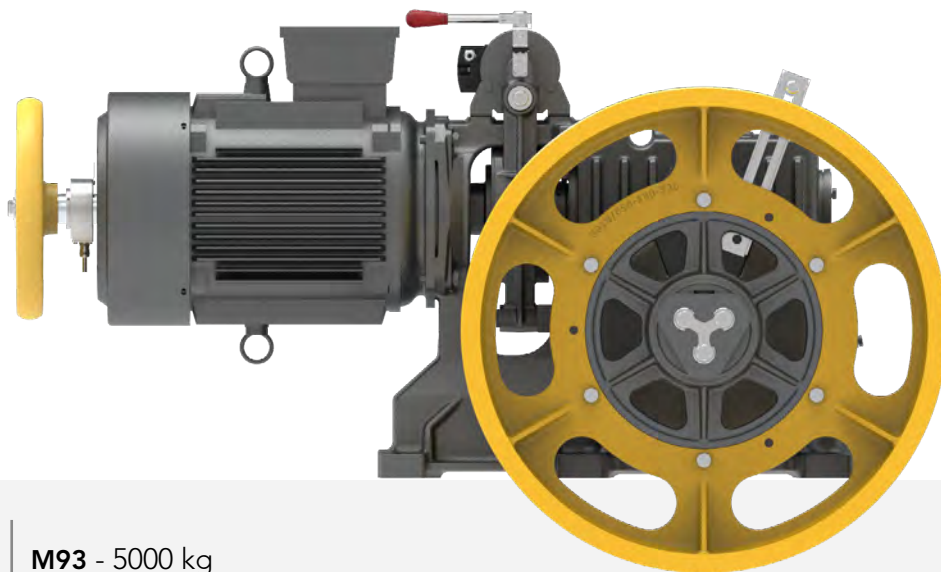
M93



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TRACTION MACHINES

TOP
SELLER
2.000 kg 2:1
0,5 m/s
T.S. 520 mm

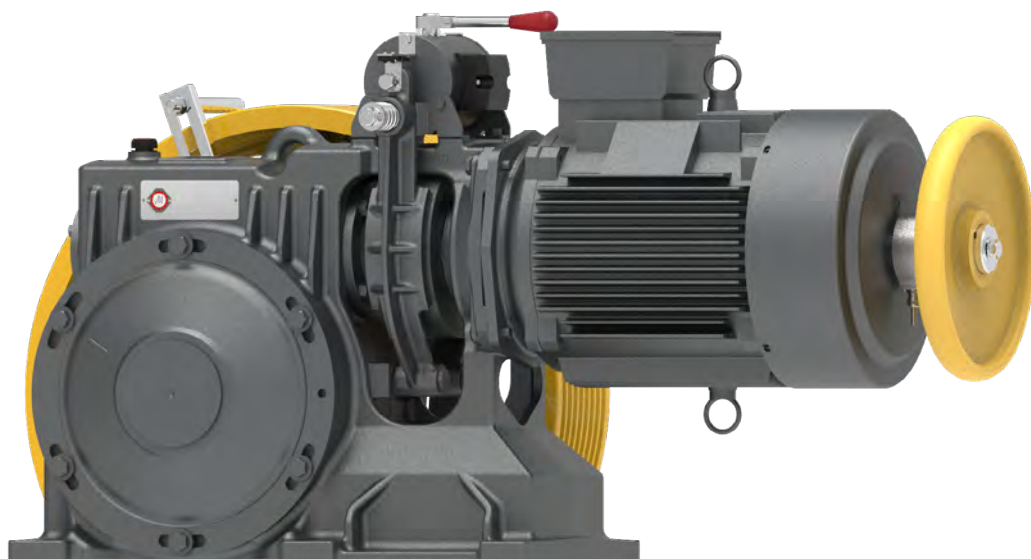


Static Load | **M93** - 5000 kg

Motor | VVVF 4 P

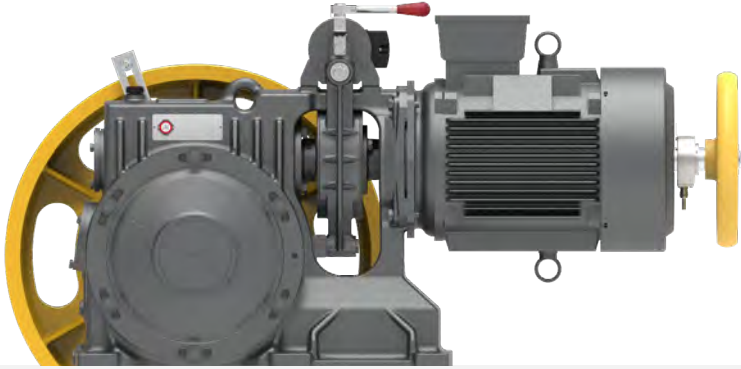
Gearbox Weight | M93 - 250kg




Oil Capacity | 7 l

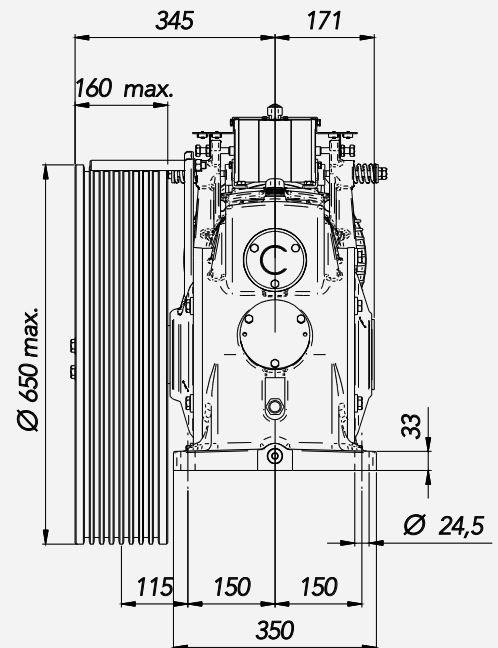
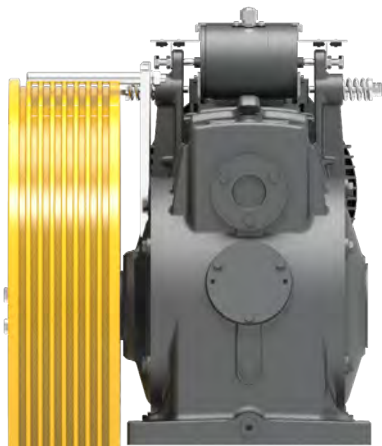
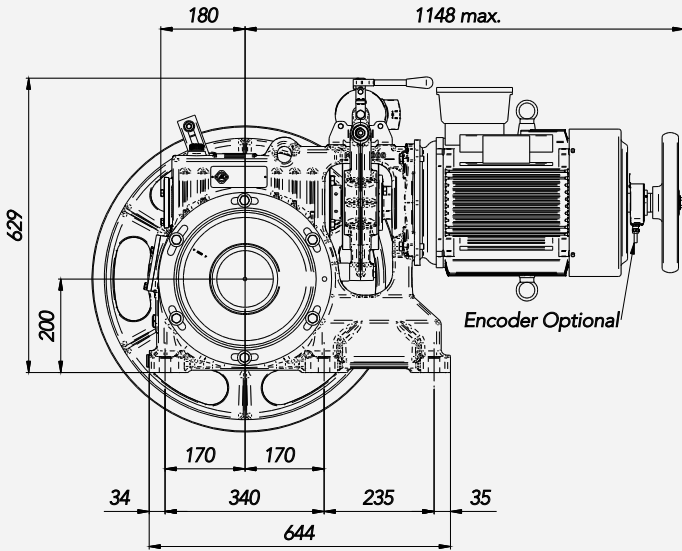


Ratio	Torque Moment	Efficiency
	Nm	1500 RPM
1/39	2475	0.77
2/49	1905	0.82

4P - VVVF 1500 RPM



 		kW Async.				
		9	11	13	15	
ø mm		m/s	kg			
520	1/39	1,05	1124	1374	1553	
550	1/39	1,11	1063	1299	1468	
600	1/39	1,21	974	1191	1346	
650	1/39	1,31	899	1099	1242	
520	2/49	1,67	752	919	1086	1140
550	2/49	1,76	711	869	1027	1078
600	2/49	1,92	652	797	942	988
650	2/49	2,08	602	735	869	912



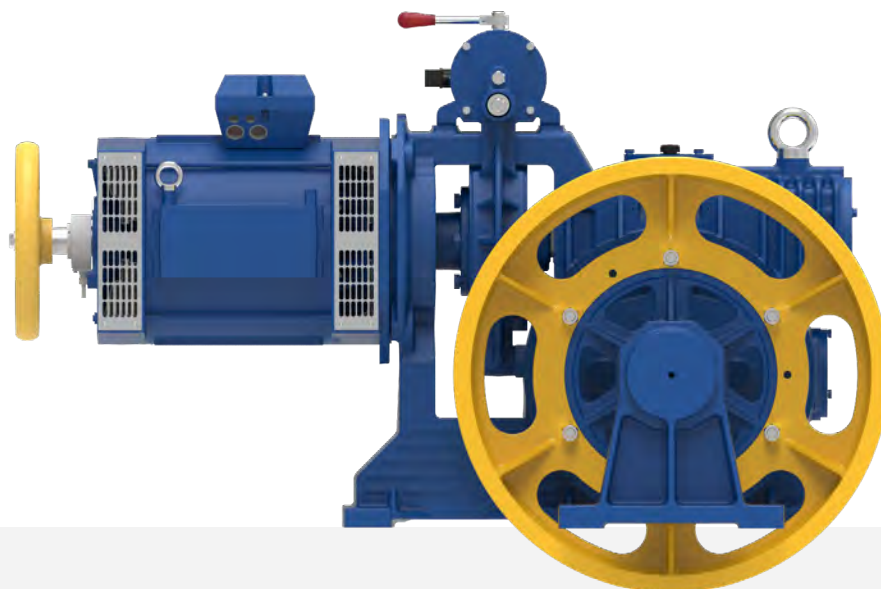
M98



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TRACTION MACHINES

TOP
SELLER
3.000 kg 2:1
0,5 m/s
T.S. 520 mm

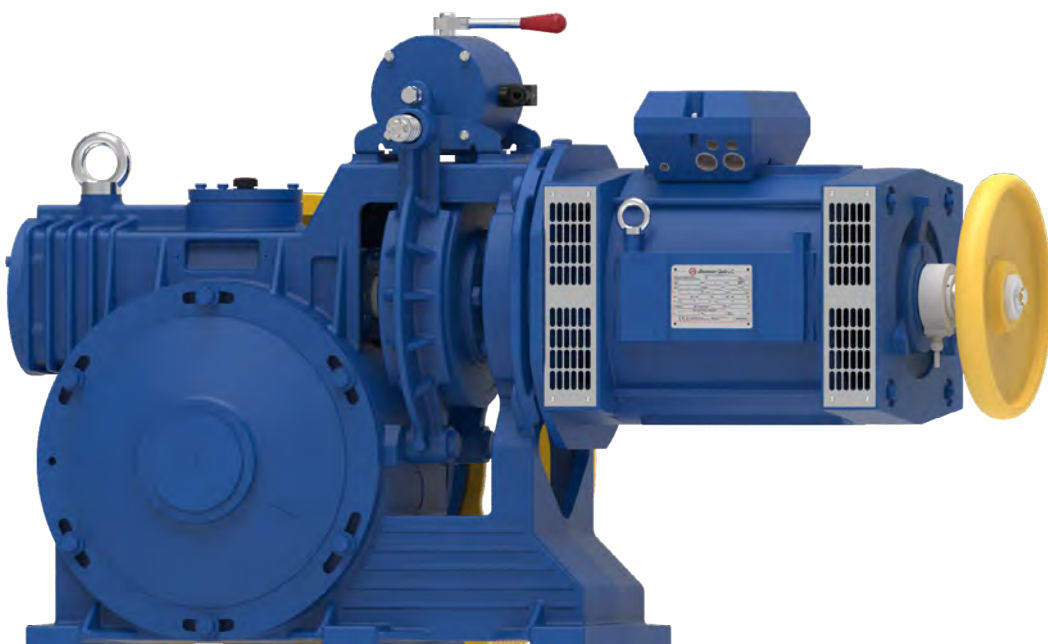


Static Load | **M98** - 7000 kg

Motor | VVVF 4 P

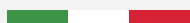
Gearbox Weight | M98 - 480kg

Oil Capacity | 9 l






Ratio	Torque Moment	Efficiency
	Nm	1500 RPM
1/37	3501	0.76
2/49	3146	0.83

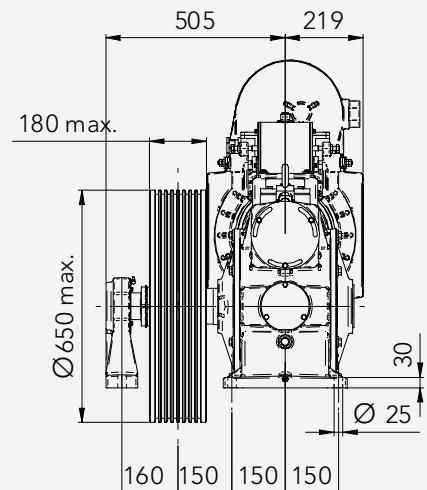
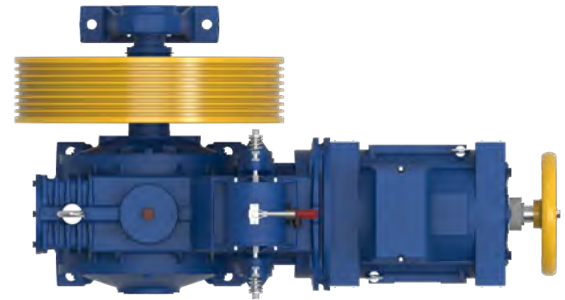
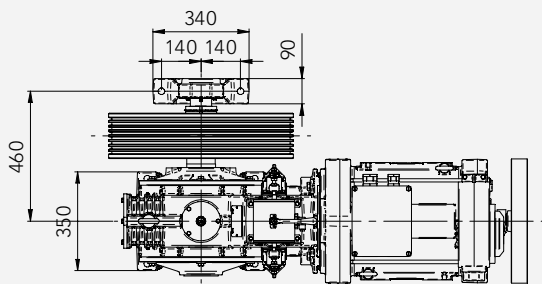
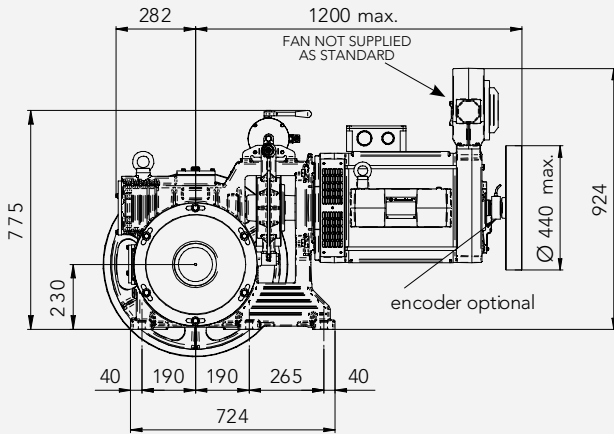
IMPORTED FROM ITALY



4P - VVVF 1500 RPM



 		kW Async.				
		15	18,5	22	26	
ø mm	m/s	kg				
520	1/37	1,10	1755	2164	2196	
550	1/37	1,17	1659	2046	2076	
600	1/37	1,27	1521	1875	1903	
650	1/37	1,38	1404	1731	1757	
520	2/49	1,67	1269	1565	1861	2017
550	2/49	1,76	1200	1480	1759	1907
600	2/49	1,92	1100	1356	1613	1748
650	2/49	2,08	1015	1252	1489	1614

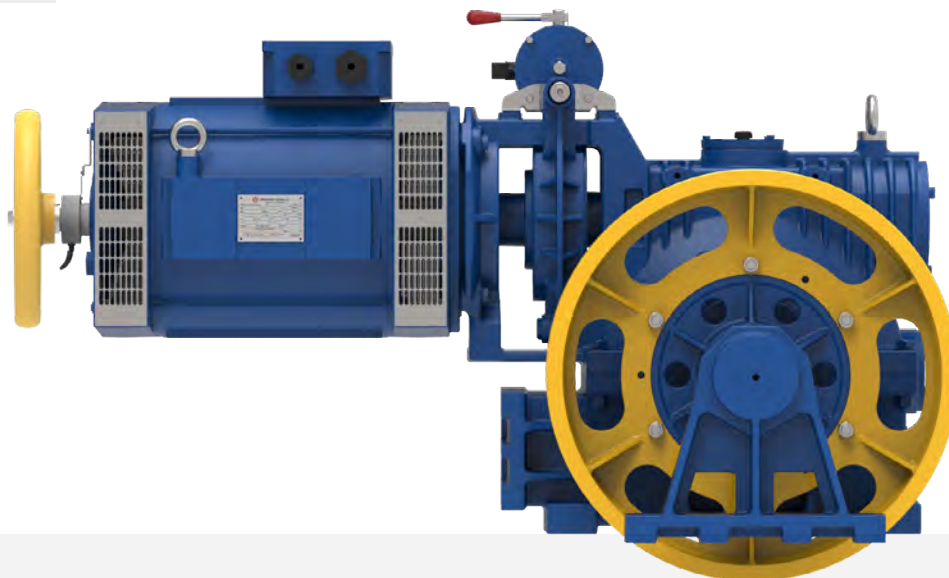


M104



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TRACTION MACHINES



Static Load | **M104** - 12000 kg

Motor | VVVF 4 P

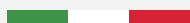
Gearbox Weight | M104 - 780kg

Oil Capacity | 16,5 l

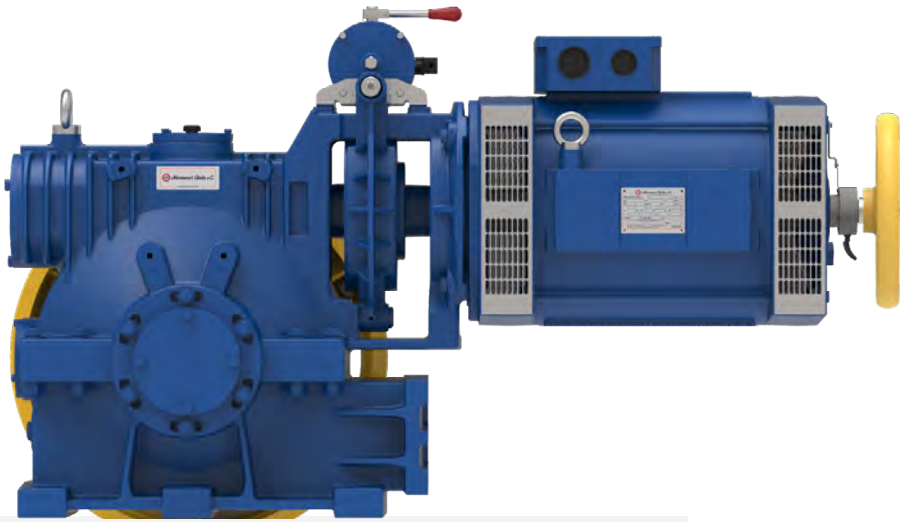


Ratio	Torque Moment	Efficiency
	Nm	1500 RPM
2/63	4363	0.85
2/53	4446	0.85

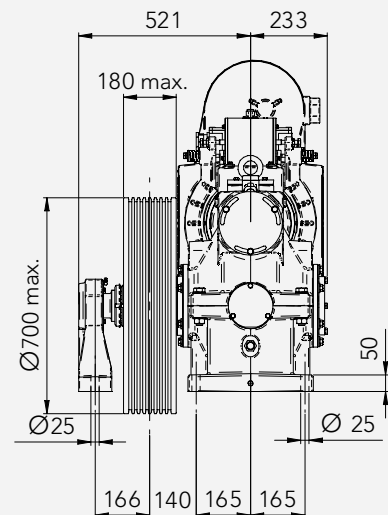
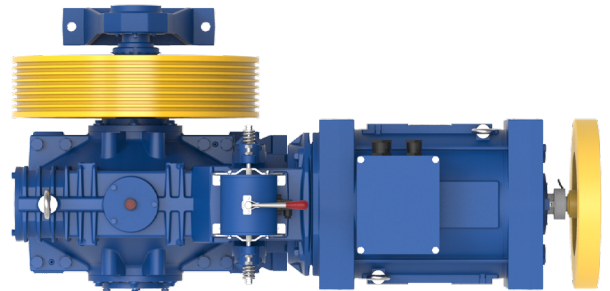
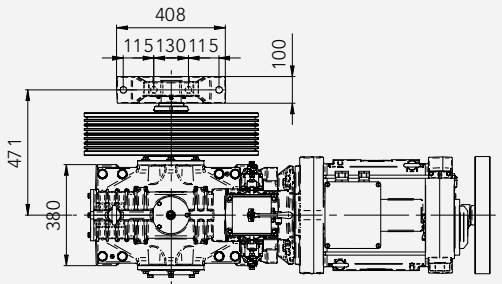
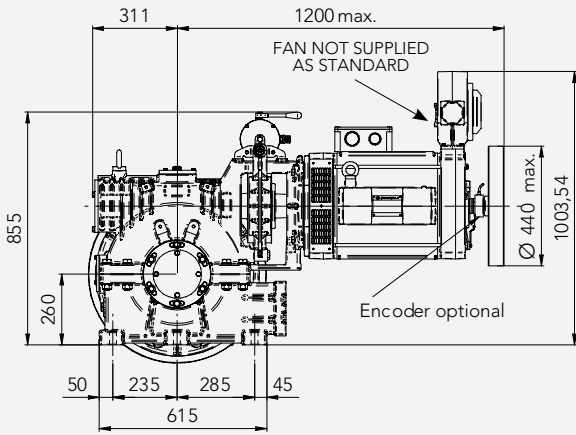
IMPORTED FROM ITALY



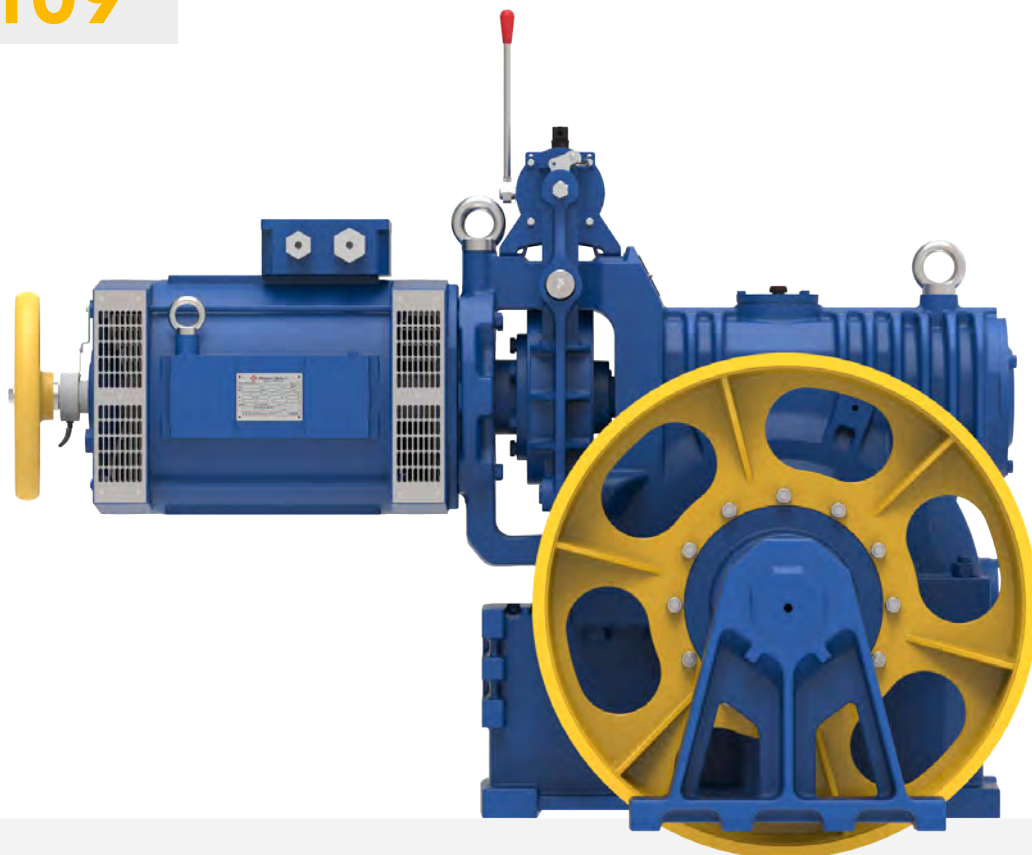
4P - VVVF 1500 RPM



ø mm		m/s	kW Async.				
			18,5	22	26	30	37
520	2/63	1,30	2060	2450	2737		
520	2/53	1,54	1550	1843	2178	2513	2789
650	2/63	1,62	1648	1960	2190		
700	2/63	1,75	1531	1820	2033		
600	2/53	1,78	1343	1597	1888	2178	2417
650	2/53	1,93	1240	1474	1743	2011	2231
700	2/53	2,07	1151	1369	1618	1867	2072



M109

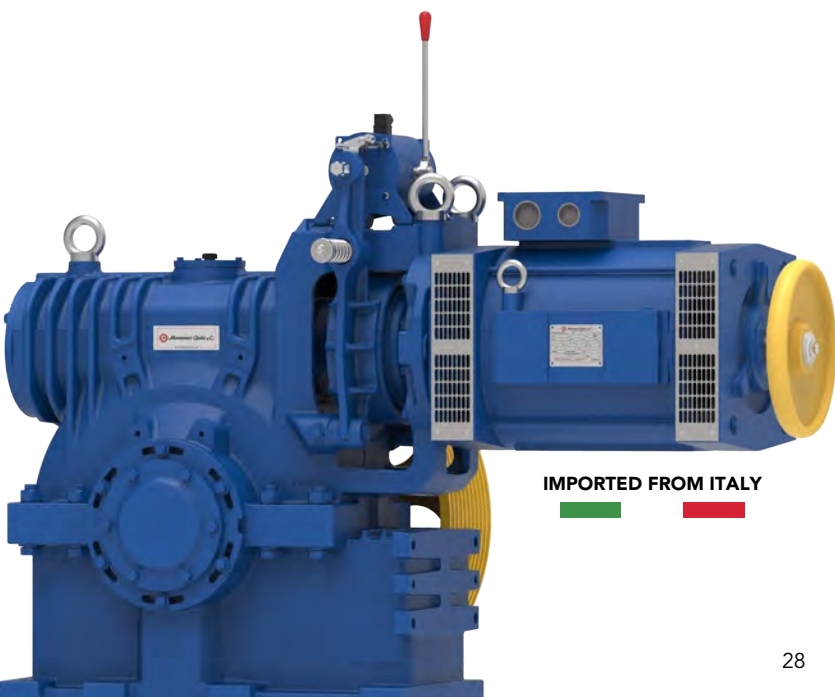


Static Load | **M109** - 15000 kg

Motor | VVVF 4 P

Gearbox Weight | M109 - 890kg

Oil Capacity | 38 l

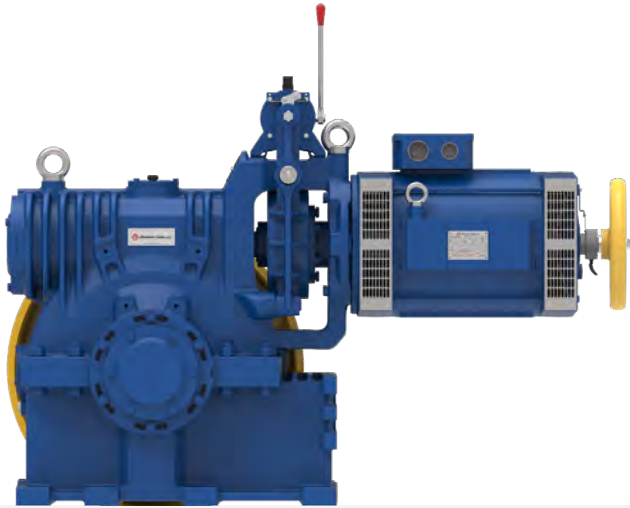





IMPORTED FROM ITALY

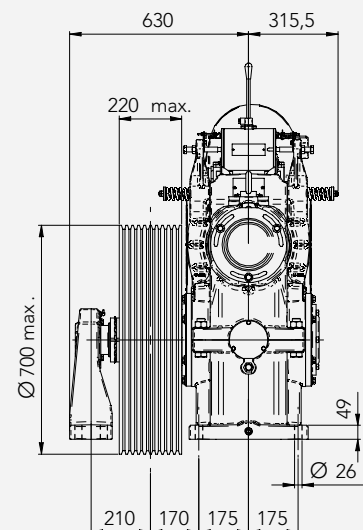
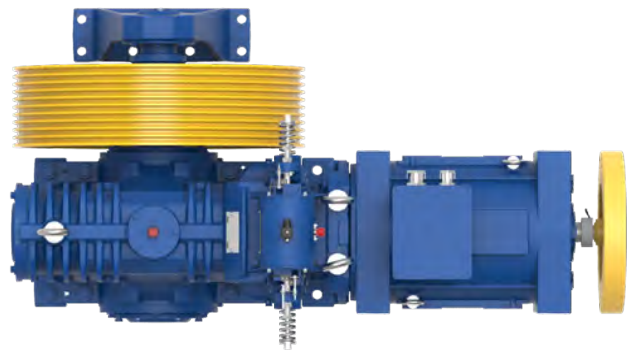
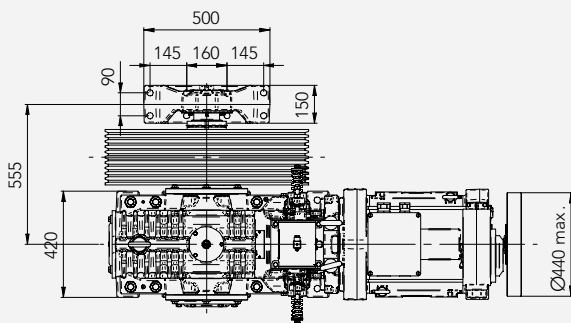
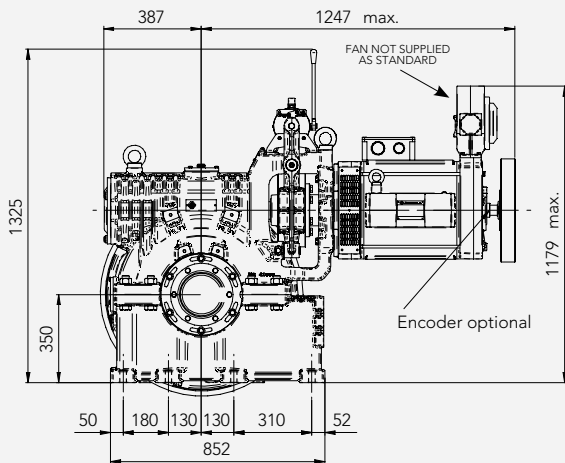


Ratio	Torque Moment	Efficiency
	Nm	1500 RPM
1/49	11749	0.81
2/55	10635	0.88
Brake with overexcitation		
207 / 104V DC - 560 / 70 Watt		

4P - VVVF 1500 RPM



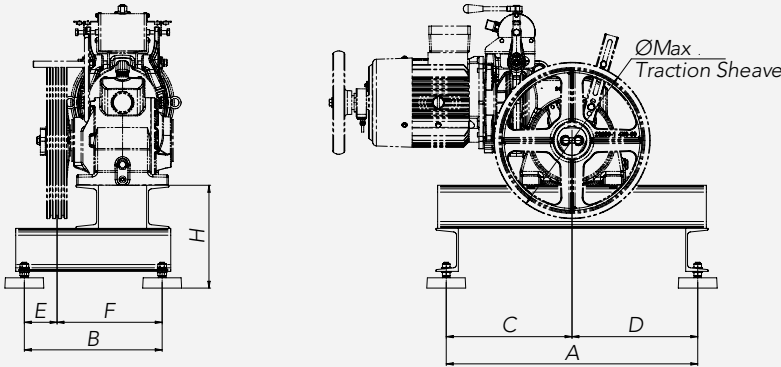
 		kW Async.				
		22	26	30	37	
ø mm		kg				
	m/s					
650	1/49	1,04	2906	3434	3962	4887
700	1/49	1,12	2698	3189	3679	4538
650	2/55	1,86	1772	2094	2416	2980
700	2/55	2,00	1645	1944	2243	2767



BEDPLATES

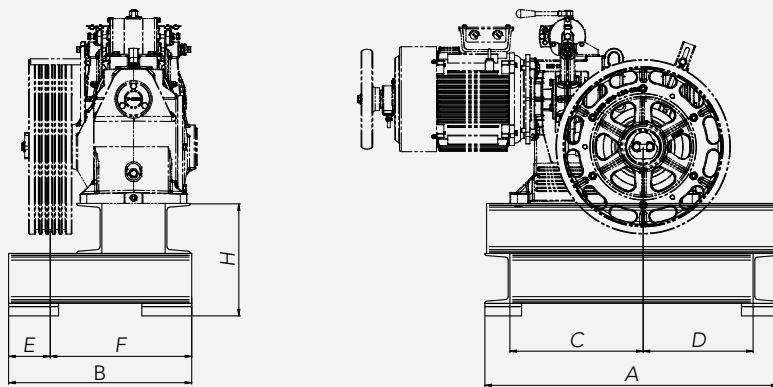


SPECIAL BEDPLATES UPON REQUEST



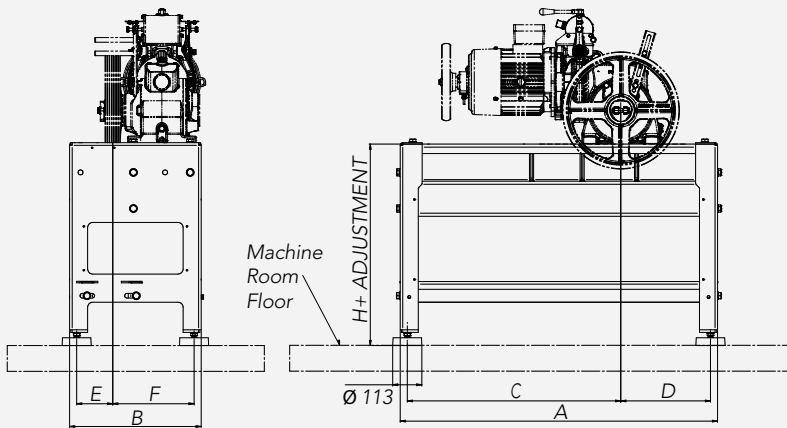
LOW BEDPLATE

Mod.	A	B	C	D	E	F	H	Ø _{D max}
	mm	mm	mm	mm	mm	mm	mm	mm
M67	730	400	365	365	95	305	295	520
M77 / M77H	730	400	365	365	95	305	295	520



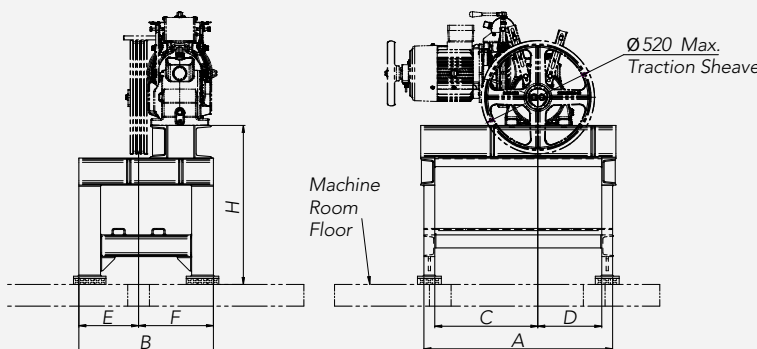
LOW BEDPLATE

Mod.	A	B	C	D	E	F	H	Ø _{D max}
	mm	mm	mm	mm	mm	mm	mm	mm
M87	880	550	400	330	125	425	336	600
M93	1145	750	572,5	572,5	250	500	385	600



HIGH BEDPLATE

Mod.	A	B	C	D	E	F	H	Ø _{D max}
	mm	mm	mm	mm	mm	mm	mm	mm
M67	1230	51	828	348	140	315	780	520
M77 / M77H	1230	51	828	348	140	315	780	520



HIGH COMPACT BEDPLATE

Mod.	A	B	C	D	E	F	H	Ø _{D max}
	mm	mm	mm	mm	mm	mm	mm	mm
M67	870	620	475	295	275	345	733	520
M77 / M77H	870	620	475	295	275	345	733	520
M87	1140	670	760	380	250	420	796	600





Montanari Group

GEARLESS&GEARBOX
TRACTION MACHINES

GEARLESS



Manufacturing plant.
Pune - Maharashtra: view of gearless manufacturing line.



**WE FIRMLY BELIEVE
THAT INNOVATION
AND INVESTMENT IN
RESEARCH AND
DEVELOPMENT ARE
THE ENGINE
FOR GROWTH
AND VALUE CREATION.**



Montanari Group

GEARLESS&GEARBOX
TRACTION MACHINES

TECHNICAL FEATURES

Montanari gearless machines are designed to be used in lifts and lifting platforms in accordance with the directives and standards in force and with the following technical features:

- hardened alloy steel shaft & high resistance alloy cast iron pulley;
- certified brake both for excess speed in lifting and against uncontrolled movements of the cab;
- brake with levers for manual release;
- 100% tested for max load;
- **short circuit torque always higher than the rated one for emergency manoeuvres in full safety.**

OPERATING DATA

Montanari gearless machines are designed to be used in standard lifts:

- travel time from the first to the last stop max. 50 second;
- 40% service intermittent operation;
- 180 starts/h for 24 h/day;
- for longer travels and/or intermittent operation, refer to Montanari sales department.

The life at rated power corresponds to 20,000 hours.

SELECTION TABLE

The following table was prepared according to the following points:

- system balanced at 50%;
- rope weight 30 kg;
- compartment output 85%;
- the max number of ropes and their diameter is indicated;
- possibility of further layout conditions not listed in the table, along with solutions designed for each type of system.

Operating data is only by way of example.

For detailed operating data ask to Montanari sales department.

GEARLESS

2:1		LOAD												
		kg												
		340	408	544	680	884	1020	1200	1350	1600	2000	2500	3000	
PULLEY DIAMETER	mm	120	MGI17											
		160	MGI17											
		240	MGI27S											
			MGI27M					MGI27ML						
			MGI27L											
		320	MGI27S		MDT92			MGI27M						
			MGI27ML					MGI27L						
			MGI37S							MGI37M				
			MGI37L											
			400	MDT96					MGI37S					
				MGI37M							MGI37ML			
				MGI37L										
				MGX53										
		480	MDT96				MGI37S			MGI37M				
			MGI37ML							MGI37L				
			MGX53											
			520	MGI37S					MGI37M					
				MGI37ML							MGI37L			
		MGX53												

#36



MGI17

#39



MGI27S

#42



MGI27M

#44



MGI27ML

#46



MGI27L

#49



MGI37S

#52



MGI37M

#55



MGI37ML

#58



MGI37L

#61



MDT92

#63



MDT96

#66



MGX53

#72



MDG45

#74



MDG45-FG

#76

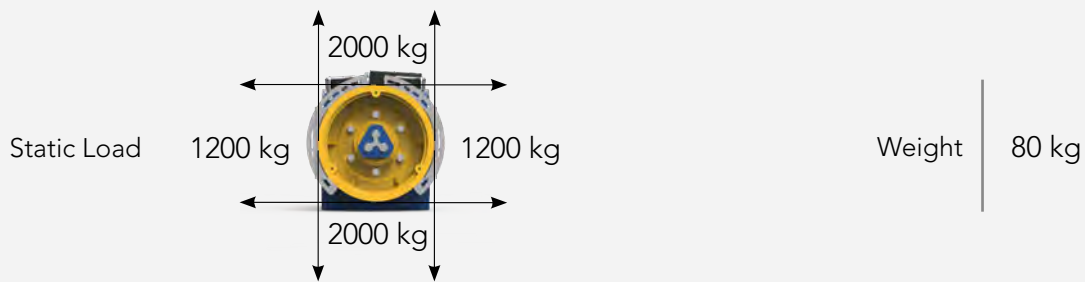
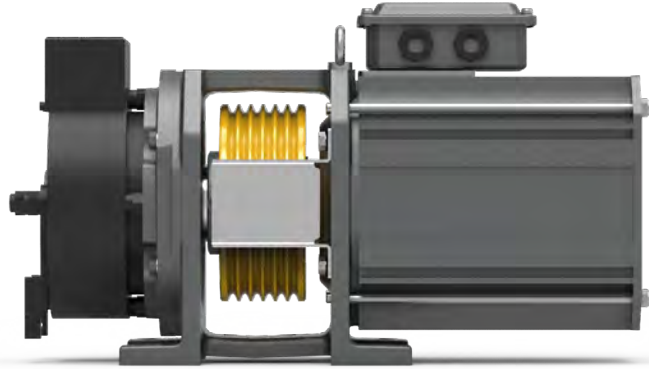


MDG63


#78




MDG100

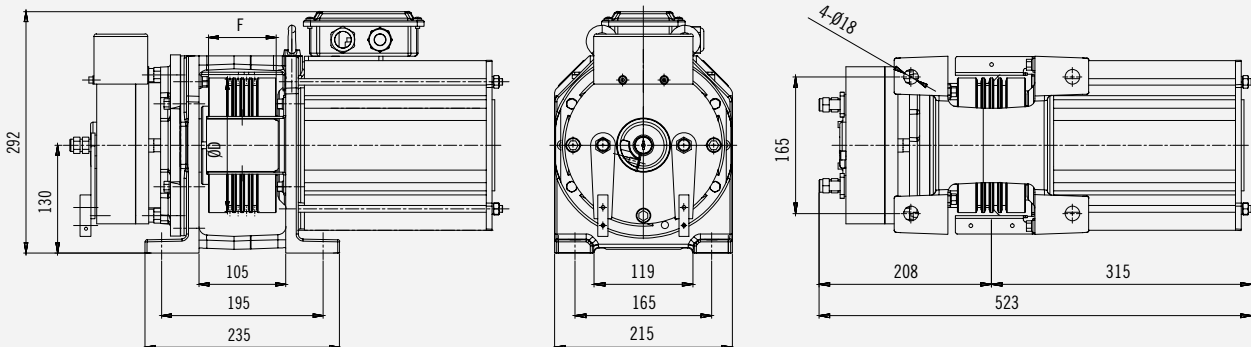


Nominal Torque	Short circuited torque	Poles	Encoder	Motor Cable
Nm	Nm			m
125 S5-25%ED 180s/h	≥140	16	Endat Sincos	7
Brake				
DSZ 100MT 207 V [2x100Nm]				

		Ropes				
		ØD	F	Ø	n°	Pitch
		mm		mm		mm
120	72	6	6	10		
160						



Load		\emptyset	Ropes	Pitch	Torque	Power	RPM	Freq.	Current 220V
	kg	m/s	mm	max	mm	Nm	kW	RPM	Hz
2:1 340	0,15	160	6x $\emptyset 6$	10	108	0,4	35,8	4,8	7,3
	0,3	160	6x $\emptyset 6$	10	108	0,8	71,6	9,5	7,3
	0,6	160	6x $\emptyset 6$	10	108	1,6	150,0	20,0	8,5
408	0,15	160	6x $\emptyset 6$	10	122	0,5	35,8	4,8	8,3
	0,3	160	6x $\emptyset 6$	10	122	0,9	71,6	9,5	8,3
544	0,15	120	6x $\emptyset 6$	10	118	0,6	47,7	6,4	8,0
	0,3	120	6x $\emptyset 6$	10	118	1,2	95,5	12,7	8,0





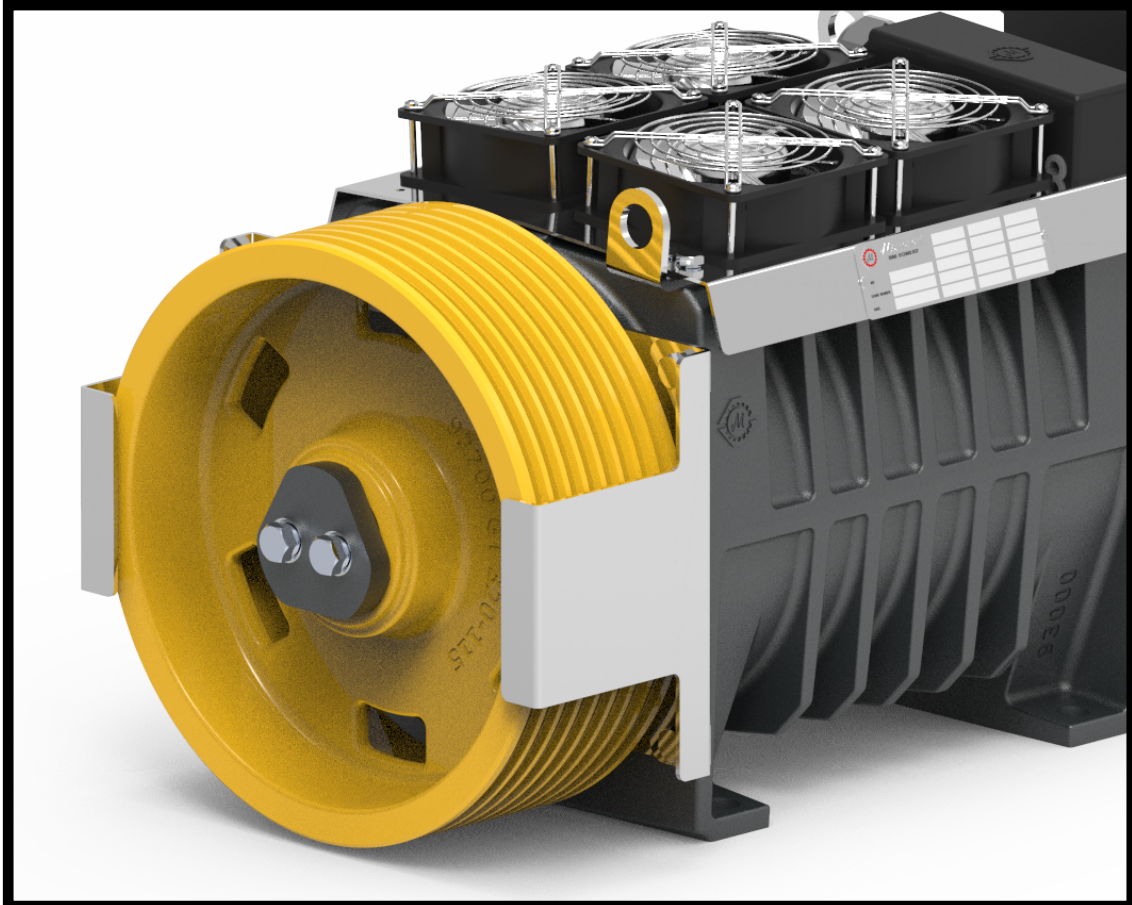
Montanari Group

GEARLESS&GEARBOX
TRACTION MACHINES

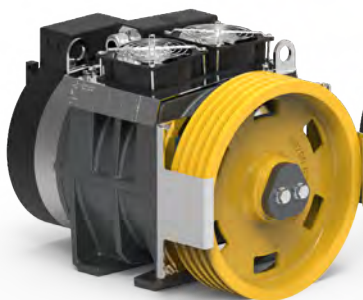
RANGE

MGI27

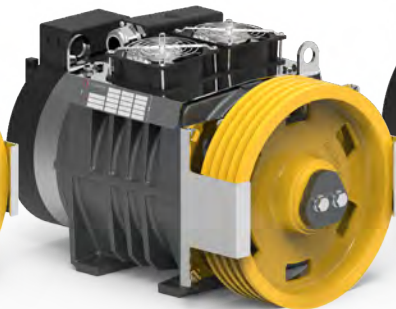
A perfect solution for many applications



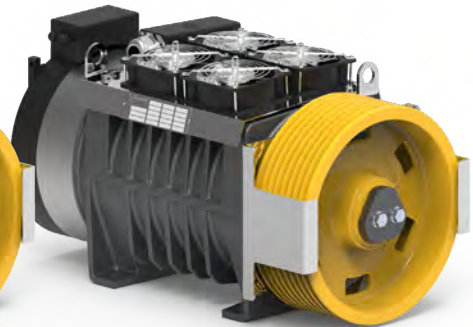
MGI27S

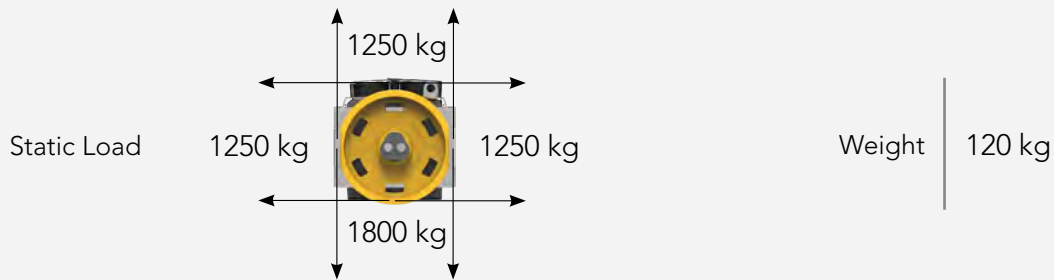


MGI27M

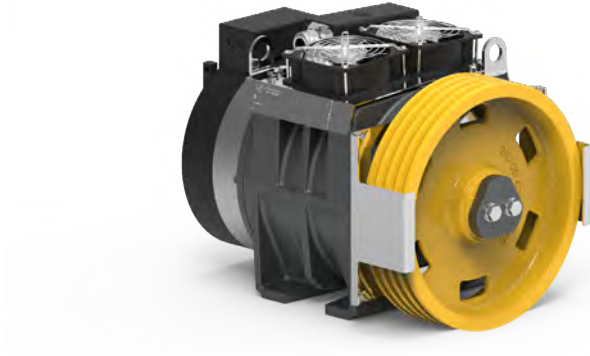



MGI27ML-L

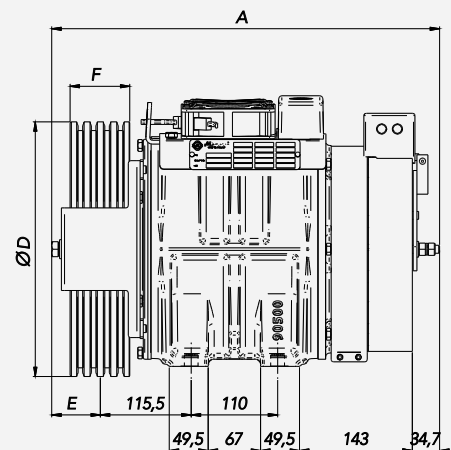
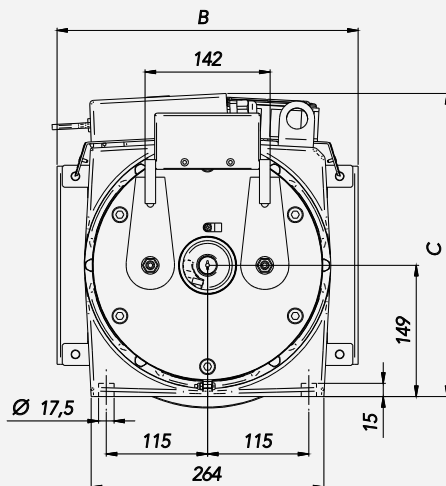
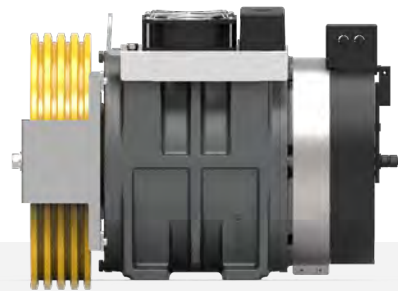





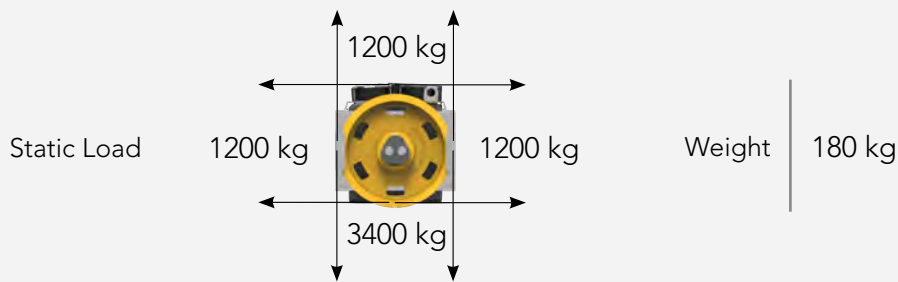
Nominal Torque	Short circuited torque	Poles	Encoder	Motor Cable
Nm	Nm			m
250 S5 - 40% ED 180 s/h	300	16	Endat Sincos	7
Brake				
DSZ400MTX [2x400Nm]				




		Ropes			Dimensions			
ØD	F	Ø	min - max	Pitch	A	B	C	E
mm		mm	n°	mm	mm	mm	mm	mm
240	80	6	6	12	493	301	344	61
320	75	8	4	17		342		



Load		Ø	Ropes	Pitch	Torque	Power	RPM	Freq.	Current	
									380V	
kg	m/s	mm	max	mm	Nm	kW	RPM	Hz	A	
340	0,5	240	6xØ6	12	162	1,3	79,6	10,6	7,1	
		320	4xØ8	17	216	1,3	59,7	8,0	7,0	
	0,63	240	6xØ6	12	162	1,7	100,3	13,4	7,1	
		320	4xØ8	17	216	1,7	75,2	10,0	9,5	
	1	240	6xØ6	12	162	2,7	159,2	21,2	9,4	
		320	4xØ8	17	216	2,7	119,4	15,9	9,5	
	1,5	240	6xØ6	12	162	4,0	238,7	31,8	12,3	
		320	4xØ8	17	216	4,0	179,0	23,9	12,5	
	1,6	240	6xØ6	12	162	4,3	254,6	34,0	12,3	
		320	4xØ8	17	216	4,3	191,0	25,5	12,5	
	1,75	240	6xØ6	12	162	4,7	278,5	37,1	12,3	
		320	4xØ8	17	216	4,7	208,9	27,9	16,4	
	2	240	6xØ6	12	162	5,4	318,3	42,4	14,3	
		320	4xØ8	17	216	5,4	238,7	31,8	16,4	
	2,5	240	6xØ6	12	162	6,7	397,9	53,1	19,1	
		320	4xØ8	17	216	6,7	298,4	39,8	19,1	
	408	0,5	240	6xØ6	12	184	1,5	79,6	10,6	8,1
			320	4xØ8	17	245	1,5	59,7	8,0	7,9
0,63		240	6xØ6	12	184	1,9	100,3	13,4	8,1	
		320	4xØ8	17	245	1,9	75,2	10,0	10,8	
1		240	6xØ6	12	184	3,1	159,2	21,2	10,7	
		320	4xØ8	17	245	3,1	119,4	15,9	10,8	
1,5		240	6xØ6	12	184	4,6	238,7	31,8	14,0	
		320	4xØ8	17	245	4,6	179,0	23,9	14,2	
1,6		240	6xØ6	12	184	4,9	254,6	34,0	14,0	
		320	4xØ8	17	245	4,9	191,0	25,5	14,2	
1,75		240	6xØ6	12	184	5,4	278,5	37,1	14,0	
		320	4xØ8	17	245	5,4	208,9	27,9	18,6	
2		240	6xØ6	12	184	6,1	318,3	42,4	16,3	
		320	4xØ8	17	245	6,1	238,7	31,8	18,6	
2,5		240	6xØ6	12	184	7,7	397,9	53,1	21,7	
		320	4xØ8	17	245	7,0	298,4	39,8	21,4	
544		0,5	240	8xØ6	12	235	2,0	79,6	10,6	10,4
		0,63	240	8xØ6	12	235	2,5	100,3	13,4	10,4
	1	240	8xØ6	12	235	3,9	159,2	21,2	13,7	
	1,5	240	8xØ6	12	235	5,9	238,7	31,8	17,9	
	1,6	240	8xØ6	12	235	6,3	254,6	34,0	17,9	
	1,75	240	8xØ6	12	235	6,9	278,5	37,1	17,9	
	2	240	8xØ6	12	235	7,8	318,3	42,4	20,9	
	2,5	240	8xØ6	12	235	9,8	397,9	53,1	27,8	

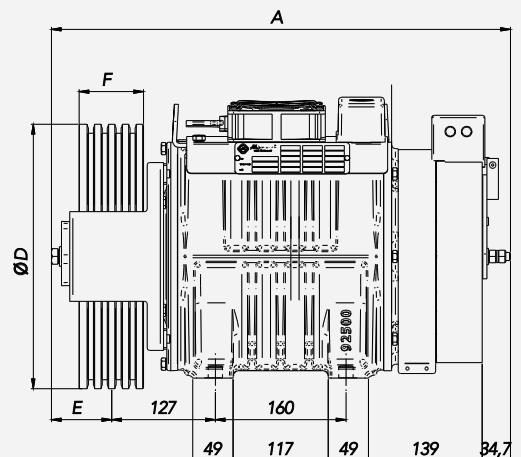
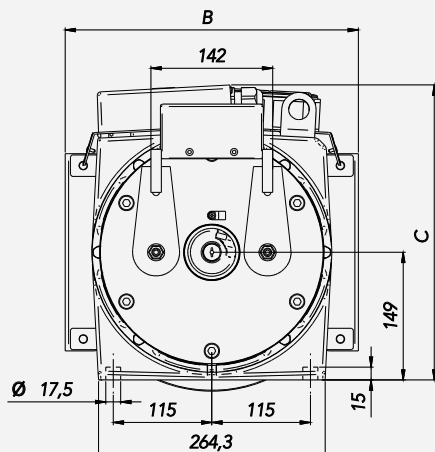
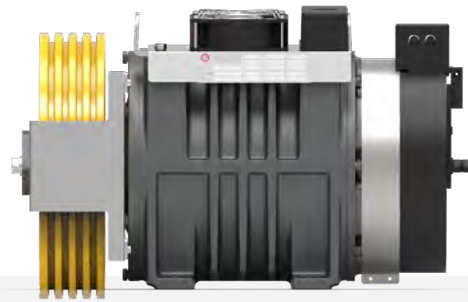


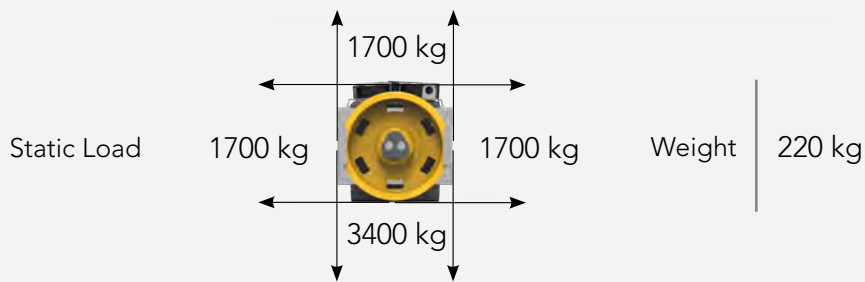
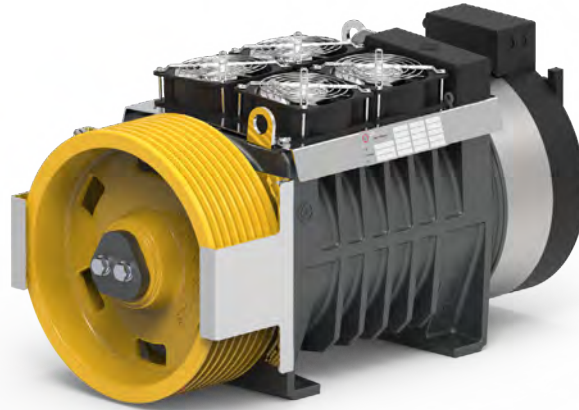
Nominal Torque	Short circuited torque	Poles	Encoder	Motor Cable
Nm	Nm			m
385 S5 - 40% ED 180 s/h	450	16	Endat Sincos	7
Brake				
DSZ400MTX [2x400Nm]				

		Ropes			Dimensions			
ØD	F	Ø	min - max	Pitch	A	B	C	E
mm	mm	mm	n°	mm	mm	mm	mm	mm
240	105	6	6	12	562	301	370	74
320	78	8	4	17		342		


* Special Traction Sheave up to 480 mm. Please contact Montanari Sales Department for further indications.

	Load		Ø	Ropes	Pitch	Torque	Power	RPM	Freq.	Current 380V
	kg	m/s	mm	max	mm	Nm	kW	RPM	Hz	A
2:1	544	0,5	240	6xØ6	12	224	1,9	79,6	10,6	7,0
			320	4xØ8	17	299	1,9	59,7	8,0	9,3
		0,63	240	6xØ6	12	224	2,4	100,3	13,4	8,7
			320	4xØ8	17	299	2,4	75,2	10,0	9,3
		1	240	6xØ6	12	224	3,7	159,2	21,2	11,6
			320	4xØ8	17	299	3,7	119,4	15,9	11,6
	1,5	240	6xØ6	12	224	5,6	238,7	31,8	15,7	
		320	4xØ8	17	299	5,6	179,0	23,9	15,5	
	1,6	240	6xØ6	12	224	6,0	254,6	34,0	15,7	
		320	4xØ8	17	299	6,0	191,0	25,5	15,5	
	1,75	240	6xØ6	12	224	6,5	278,5	37,1	15,7	
		320	4xØ8	17	299	6,5	208,9	27,9	21,0	
	2	240	6xØ6	12	224	7,5	318,3	42,4	20,4	
		320	4xØ8	17	299	7,5	238,7	31,8	21,0	
	2,5	240	6xØ6	12	224	9,3	397,9	53,1	30,3	
		320	4xØ8	17	299	9,3	298,4	39,8	27,2	
	680	0,5	240	6xØ6	12	280,3	2,3	79,6	10,6	8,7
			320	4xØ8	17	373,7	2,3	59,7	8,0	11,6
0,63		240	6xØ6	12	280,3	2,9	100,3	13,4	10,9	
		320	4xØ8	17	373,7	2,9	75,2	10,0	11,6	
1		240	6xØ6	12	280,3	4,7	159,2	21,2	14,6	
		320	4xØ8	17	373,7	4,7	119,4	15,9	14,6	
1,5		240	6xØ6	12	280,3	7,0	238,7	31,8	19,7	
		320	4xØ8	17	373,7	7,0	179,0	23,9	19,4	
1,6		240	6xØ6	12	280,3	7,5	254,6	34,0	19,7	
		320	4xØ8	17	373,7	7,5	191,0	25,5	19,4	
1,75		240	6xØ6	12	280,3	8,2	278,5	37,1	19,7	
		320	4xØ8	17	373,7	8,2	208,9	27,9	26,2	
2	240	6xØ6	12	280,3	9,3	318,3	42,4	25,5		
	320	4xØ8	17	373,7	9,3	238,7	31,8	26,2		
2,5	240	6xØ6	12	280,3	11,7	397,9	53,1	37,9		
	320	4xØ8	17	373,7	11,7	298,4	39,8	34,0		
816	0,5	240	6xØ6	12	324,9	11,0	79,6	10,6	10,1	
	0,63	240	6xØ6	12	324,9	2,7	100,3	13,4	12,7	
	1	240	6xØ6	12	324,9	3,4	159,2	21,2	16,9	
	1,5	240	6xØ6	12	324,9	5,4	238,7	31,8	22,8	
	1,6	240	6xØ6	12	324,9	8,1	254,6	34,0	22,8	
	1,75	240	6xØ6	12	324,9	8,7	278,5	37,1	22,8	
	2	240	6xØ6	12	324,9	9,5	318,3	42,4	29,5	
2,5	240	6xØ6	12	324,9	10,8	397,9	53,1	43,9		




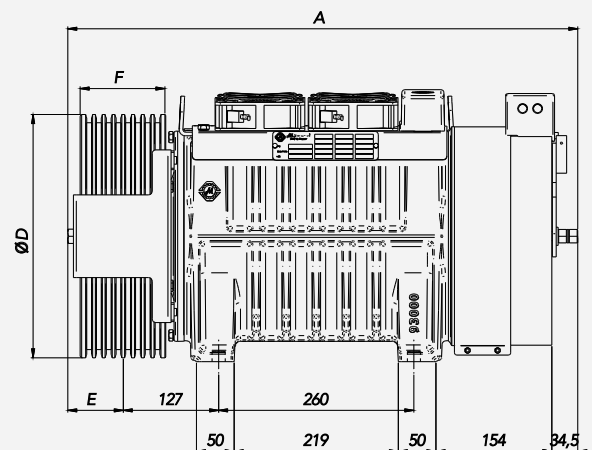
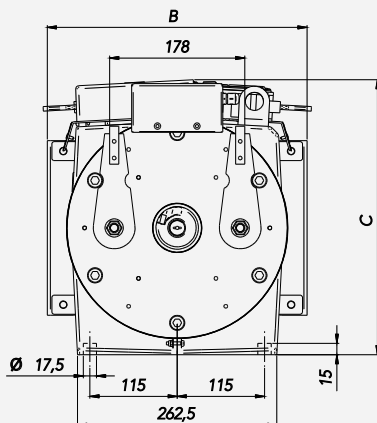
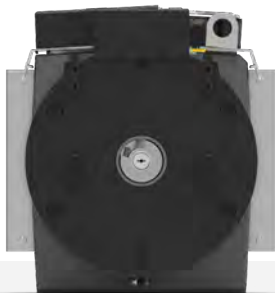


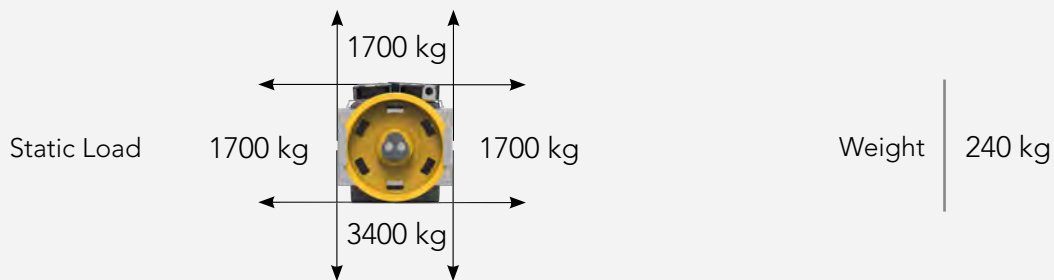
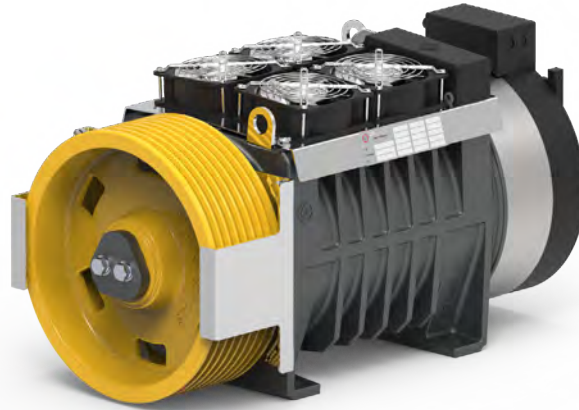
Nominal Torque	Short circuited torque	Poles	Encoder	Motor Cable
Nm	Nm			m
530 S5 - 40% ED 180 s/h	600	16	Endat Sincos	7
Brake				
DSZ600MTX [2x600Nm]				

		Ropes			Dimensions					
		Ø	F	Ø	min - max	Pitch	A	B	C	E
		mm	mm	mm	n°	mm	mm	mm	mm	mm
240	105	6	6	12	679	301	362	74		
320	80	8	4	17		342				


* Special Traction Sheave up to 600 mm. Please contact Montanari Sales Department for further indications.

Load		Ø	Ropes	Pitch	Torque	Power	RPM	Freq.	Current 380V		
	kg	m/s	mm	max	mm	Nm	kW	RPM	Hz	A	
2:1	884	0,5	320	8xØ8	17	469	2,9	59,7	8,0	13,3	
		0,63	320	8xØ8	17	469	3,7	75,2	10,0	13,3	
		1	320	8xØ8	17	469	5,9	119,4	15,9	16,8	
		1,5	320	8xØ8	17	469	8,8	179,0	23,9	22,1	
		1,6	320	8xØ8	17	469	9,4	191,0	25,5	22,1	
		1,75	320	8xØ8	17	469	10,3	208,9	27,9	30,1	
		2	320	8xØ8	17	469	11,7	238,7	31,8	30,1	
		2,5	320	8xØ8	17	469	14,7	298,4	39,8	32,8	
	1020	0,5	240	10xØ6	12	396	3,3	79,6	10,6	11,2	
			320	8xØ8	17	527	3,3	59,7	8,0	14,9	
		0,63	240	10xØ6	12	396	4,2	100,3	13,4	14,2	
			320	8xØ8	17	527	4,2	75,2	10,0	14,9	
		1	240	10xØ6	12	396	6,6	159,2	21,2	18,7	
			320	8xØ8	17	527	6,6	119,4	15,9	18,9	
		1,5	240	10xØ6	12	396	9,9	238,7	31,8	25,4	
			320	8xØ8	17	527	9,9	179,0	23,9	24,9	
		1,6	240	10xØ6	12	396	10,5	254,6	34,0	25,4	
			320	8xØ8	17	527	10,5	191,0	25,5	24,9	
		1,75	240	10xØ6	12	396	11,5	278,5	37,1	27,6	
			320	8xØ8	17	527	11,5	208,9	27,9	33,8	
		2	320	8xØ8	17	527	13,2	238,7	31,8	33,8	
			2,5	320	8xØ8	17	527	16,5	298,4	39,8	36,8
		1088	0,5	240	10xØ6,5	12	414	3,5	79,6	10,6	11,7
			0,63	240	10xØ6,5	12	414	4,4	100,3	13,4	14,9
	1		240	10xØ6,5	12	414	6,9	159,2	21,2	19,5	
	1,5		240	10xØ6,5	12	414	10,4	238,7	31,8	26,6	
	1,6		240	10xØ6,5	12	414	11,0	254,6	34,0	26,6	
	1,75		240	10xØ6,5	12	414	12,1	278,5	37,1	28,9	
1350	0,5	240	10xØ6	12	514	4,3	79,6	10,6	14,6		
	0,63	240	10xØ6	12	514	5,4	100,3	13,4	18,4		
	1	240	10xØ6	12	514	8,6	159,2	21,2	24,3		
	1,5	240	10xØ6	12	514	12,9	238,7	31,8	33,0		
	1,6	240	10xØ6	12	514	13,7	254,6	34,0	33,0		
	1,75	240	10xØ6	12	514	15,0	278,5	37,1	35,9		

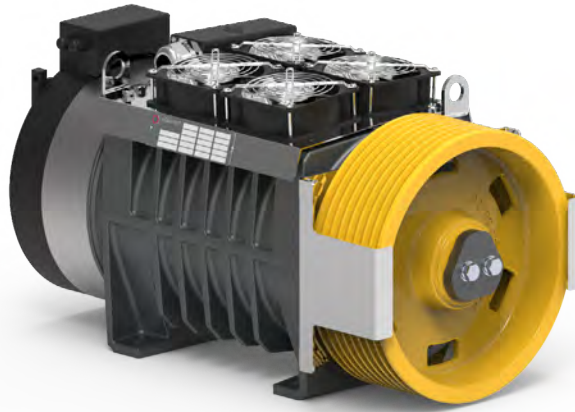




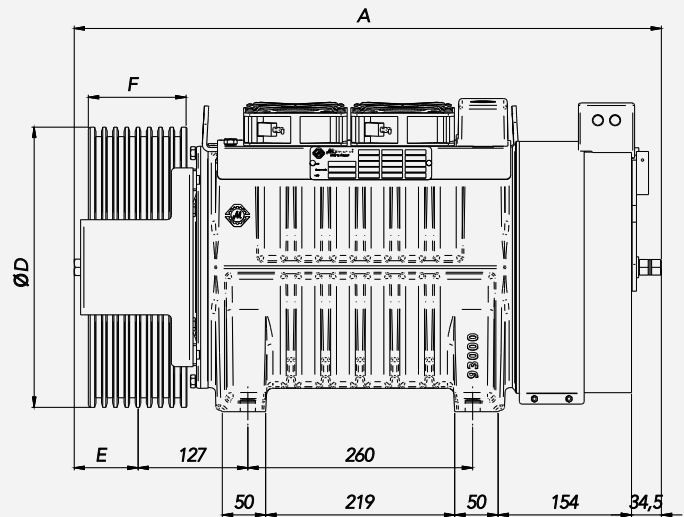
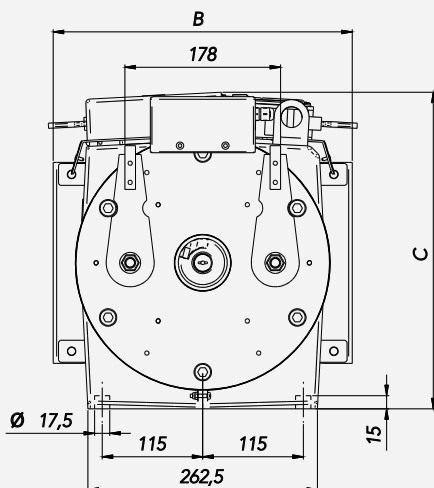
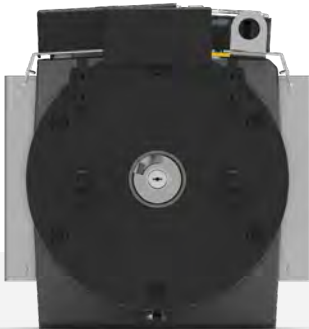
Nominal Torque	Short circuited torque	Poles	Encoder	Motor Cable
Nm	Nm			m
630 S5 - 40% ED 180 s/h	750	16	Endat Sincos	7
Brake				
DSZ600MTX [2x600Nm]				

		Ropes			Dimensions					
		Ø	F	Ø	min - max	Pitch	A	B	C	E
		mm	mm	mm	n°	mm	mm	mm	mm	mm
		240	105	6	6	12	679	301	362	74
		320	115	8	4	17		342		

* Special Traction Sheave up to 600 mm. Please contact Montanari Sales Department for further indications.



2:1	Load		Ø	Ropes	Pitch	Torque	Power	RPM	Freq.	Current 380V
	kg	m/s	mm	max	mm	Nm	kW	RPM	Hz	A
1224	0,5	0,5	320	8xØ8	17	622	3,9	59,7	8,0	14,8
	0,63	0,63	320	8xØ8	17	622	4,9	75,2	10,0	21,7
	1	1	320	8xØ8	17	622	7,8	119,4	15,9	21,7
	1,5	1,5	320	8xØ8	17	622	11,7	179,0	23,9	31,6
	1,6	1,6	320	8xØ8	17	622	12,4	191,0	25,5	31,6
	1,75	1,75	320	8xØ8	17	622	13,6	208,9	27,9	31,6
	2	2	320	8xØ8	17	622	15,5	238,7	31,8	39,5
	2,5	2,5	320	8xØ8	17	622	19,4	298,4	39,8	51,3
1600	3	3	320	8xØ8	17	622	23,3	358,1	47,7	51,3
	0,5	0,5	240	10xØ6,5	12	596	5,0	79,6	10,6	20,8
	0,63	0,63	240	10xØ6,5	12	596	6,3	100,3	13,4	20,8
	1	1	240	10xØ6,5	12	596	9,9	159,2	21,2	26,5
	1,5	1,5	240	10xØ6,5	12	596	14,9	238,7	31,8	37,8
	1,6	1,6	240	10xØ6,5	12	596	15,9	254,6	34,0	37,8
	1,75	1,75	240	10xØ6,5	12	596	17,4	278,5	37,1	49,2
	2	2	240	10xØ6,5	12	596	19,9	318,3	42,4	49,2





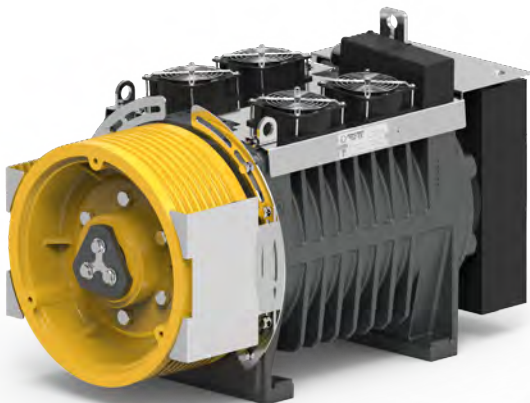
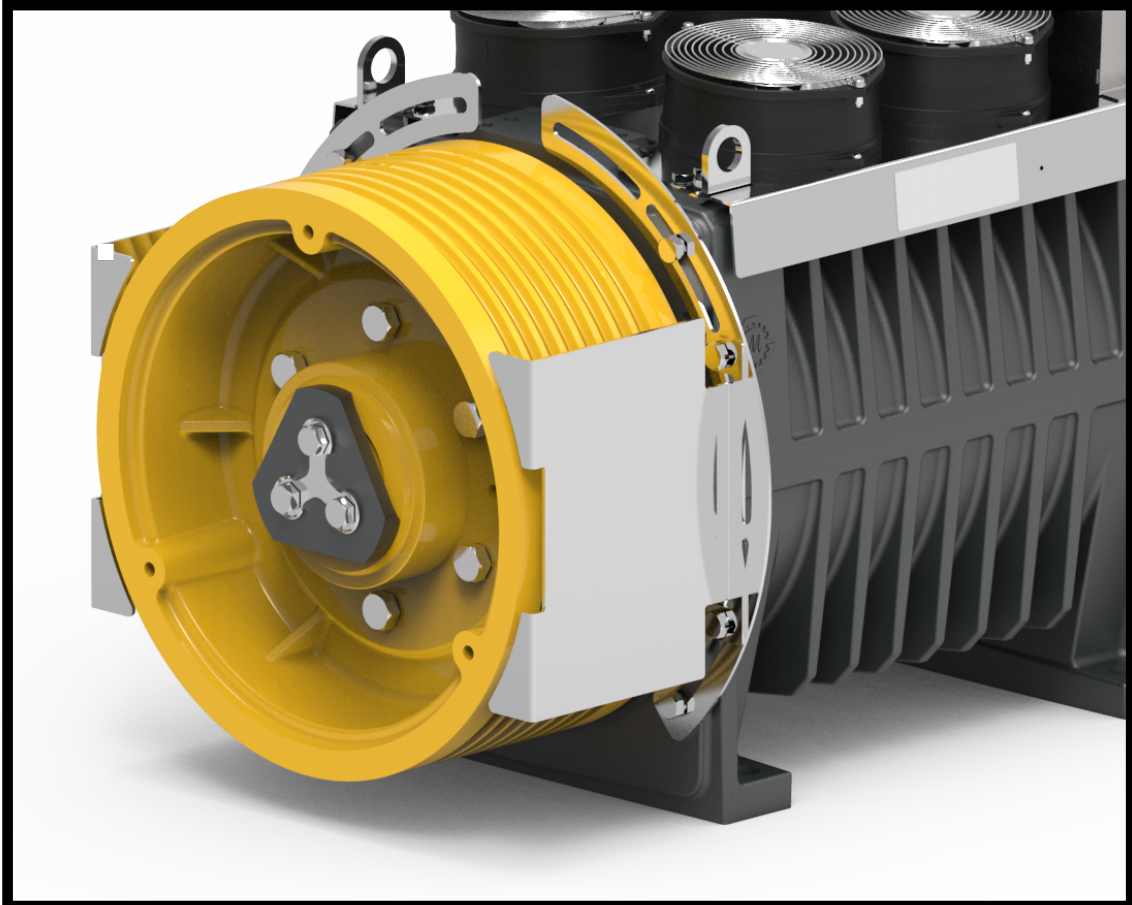
Montanari Group

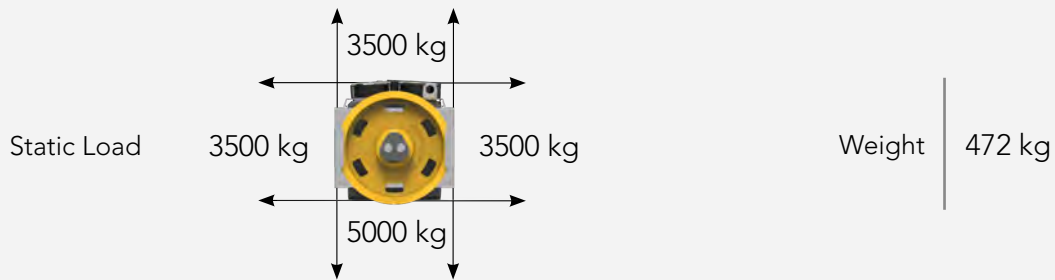
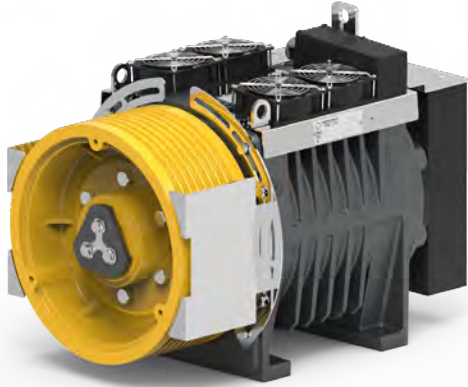
GEARLESS&GEARBOX
TRACTION MACHINES

RANGE


MGI37

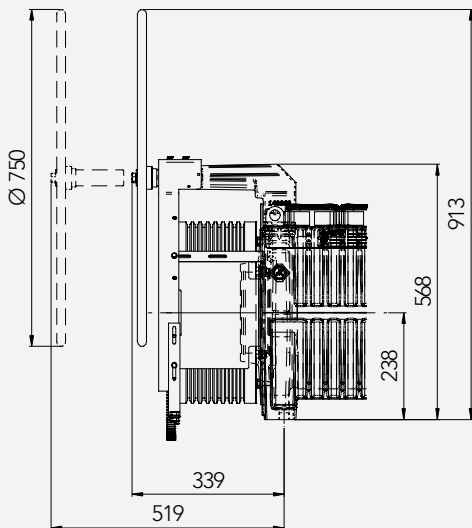
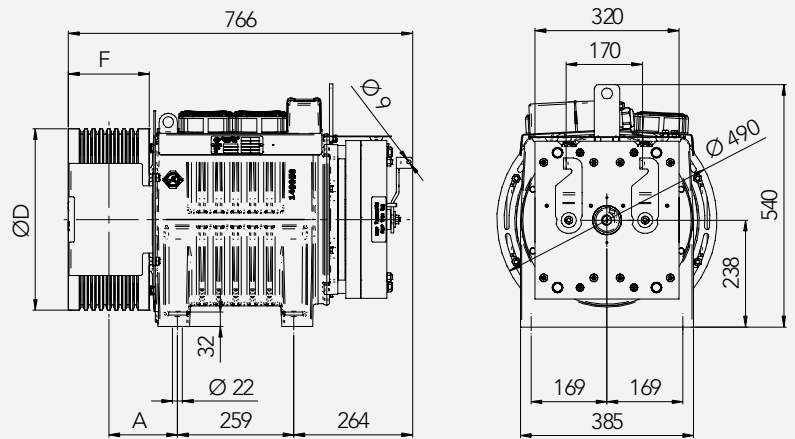
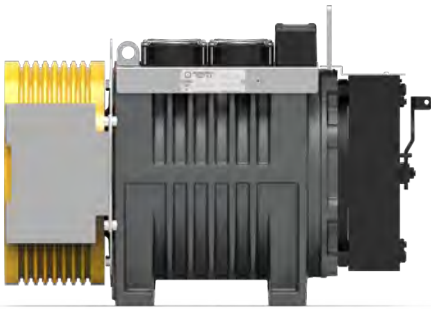
One gearless for both MR&MRL use.



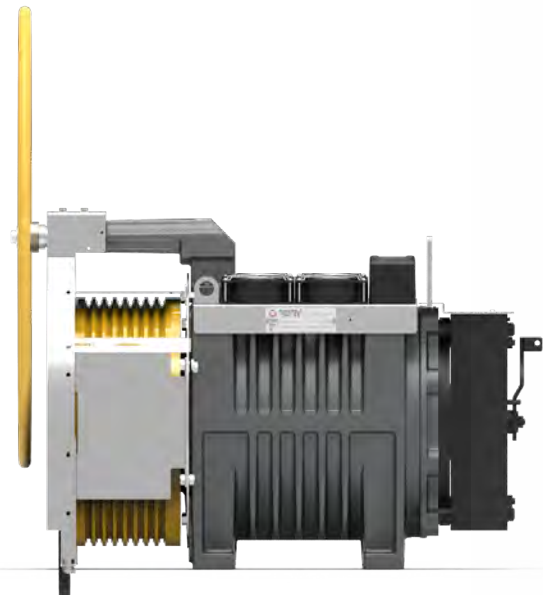



Nominal Torque	Short circuited torque	Poles	Encoder	Motor Cable
Nm	Nm			m
900 S5 - 40% ED 180 s/h	1100	16	Endat Sincos	10
Brake				
RTW800 [2x950Nm] 2X502W - 2X127W 207 _{VDS-PEAK} 104 _{VDC-HOLD}				

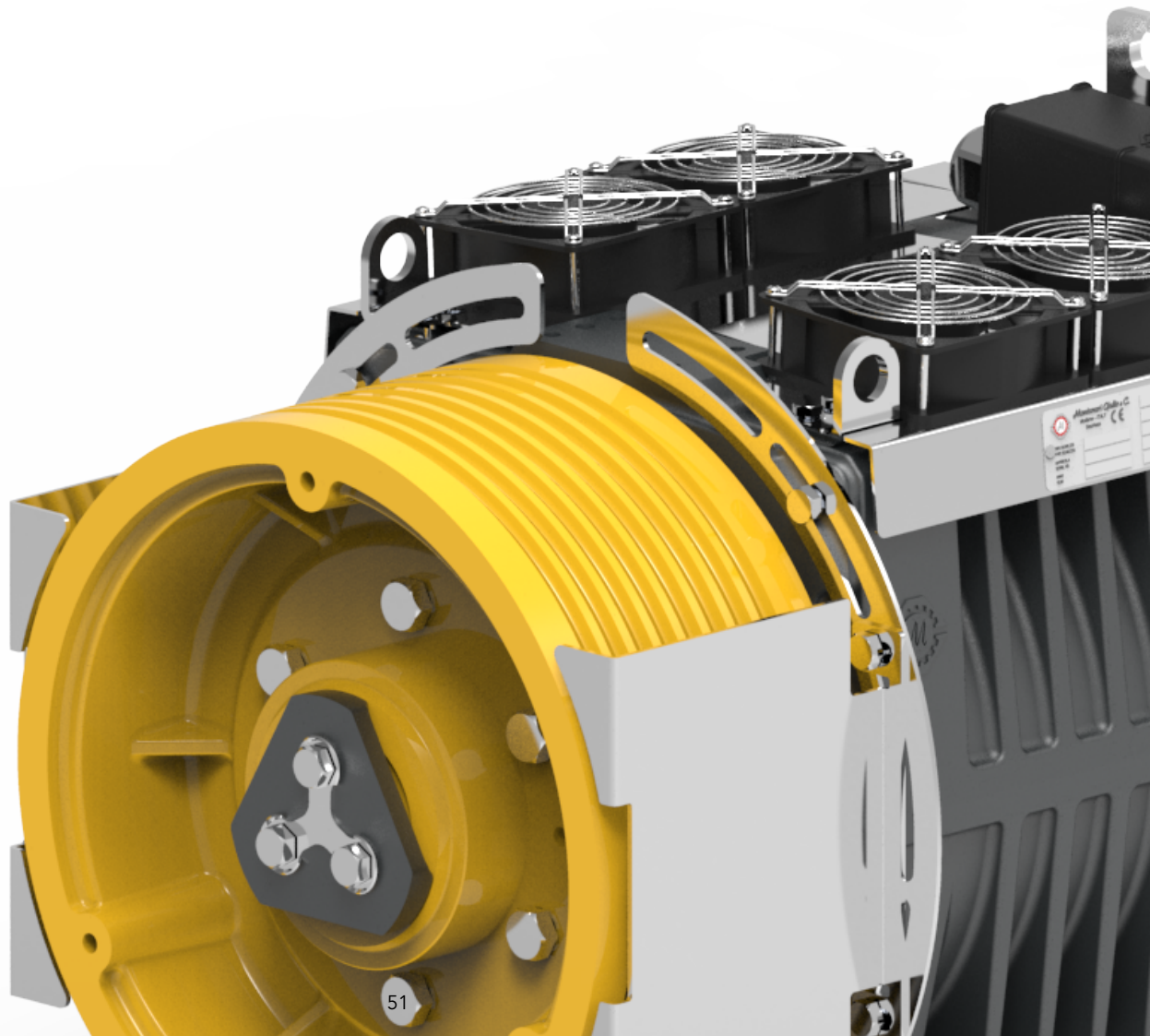
		Ropes			Dimensions
ØD	F	Ø	min - max	Pitch	A
mm	mm	mm	n°	mm	mm
320	180	8	3 - 10	17	153
400		10			
480		12	3 - 9	20	
520	145	13	3 - 7		

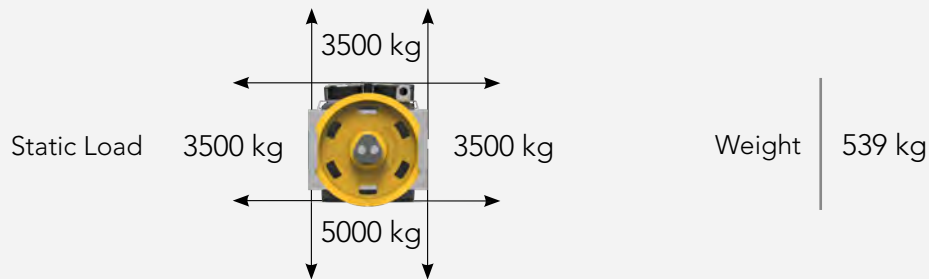
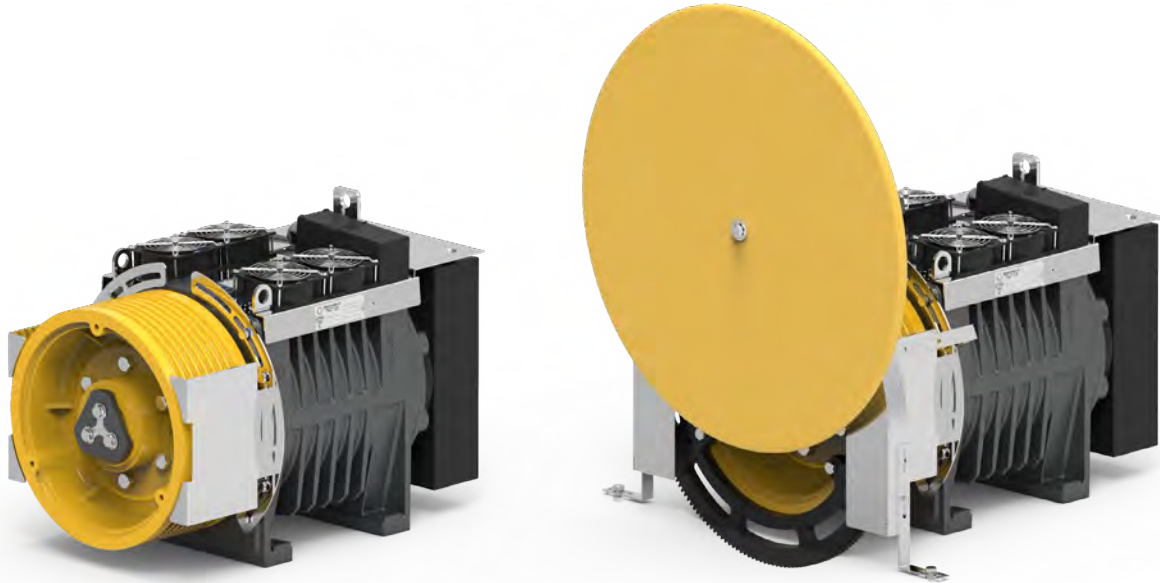


Machine Room Use




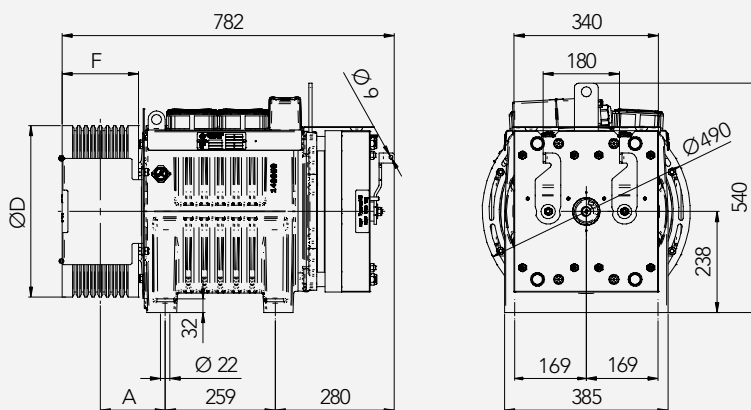
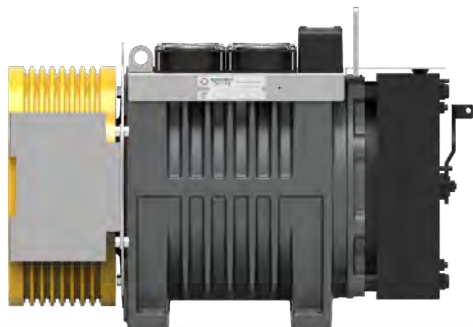
Load		Ø	Ropes	Pitch	Torque	Power	RPM	Freq.	Current	
									380V	
kg	m/s	mm	max	mm	Nm	kW	RPM	Hz	A	
2:1	1088	0,63	400	10xØ10	17	728	4,6	60,2	8,0	15,0
			480	9xØ12	20	874	4,6	50,1	6,7	18,0
			520	6xØ13	20	947	4,6	46,3	6,2	19,5
		1	400	10xØ10	17	728	7,3	95,5	12,7	21,0
			480	9xØ12	20	874	7,3	79,6	10,6	25,2
			520	6xØ13	20	947	7,3	73,5	9,8	27,4
		1,6	400	10xØ10	17	728	11,7	152,8	20,4	36,4
			480	9xØ12	20	874	11,7	127,3	17,0	43,7
			520	6xØ13	20	947	11,7	117,5	15,7	31,6
	2	400	10xØ10	17	728	14,6	191,0	25,5	36,4	
		480	9xØ12	20	874	14,6	159,2	21,2	43,7	
		520	6xØ13	20	947	14,6	146,9	19,6	47,3	
	2,5	400	10xØ10	17	728	18,2	238,7	31,8	48,6	
		480	9xØ12	20	874	18,2	198,9	26,5	43,7	
		520	6xØ13	20	947	18,2	183,6	24,5	47,3	
	3	400	10xØ10	17	728	21,8	286,5	38,2	48,6	
		480	9xØ12	20	874	21,8	238,7	31,8	58,3	
		520	6xØ13	20	947	21,8	220,4	29,4	63,1	
	1360	0,63	400	10xØ10	17	885	5,6	60,2	8,0	18,2
		1	400	10xØ10	17	885	8,9	95,5	12,7	25,6
		1,6	400	10xØ10	17	885	14,2	152,8	20,4	44,3
		2	400	10xØ10	17	885	17,7	191,0	25,5	44,3
		2,5	400	10xØ10	17	885	22,1	238,7	31,8	59,0
		3	400	10xØ10	17	885	26,6	286,5	38,2	59,0
1600	0,63	320	10xØ8	17	812	6,4	75,2	10,0	23,5	
	1	320	10xØ8	17	812	10,2	119,4	15,9	27,1	
	1,6	320	10xØ8	17	812	16,2	191,0	25,5	27,1	
	2	320	10xØ8	17	812	20,3	238,7	31,8	27,1	
	2,5	320	10xØ8	17	812	25,4	298,4	39,8	27,1	



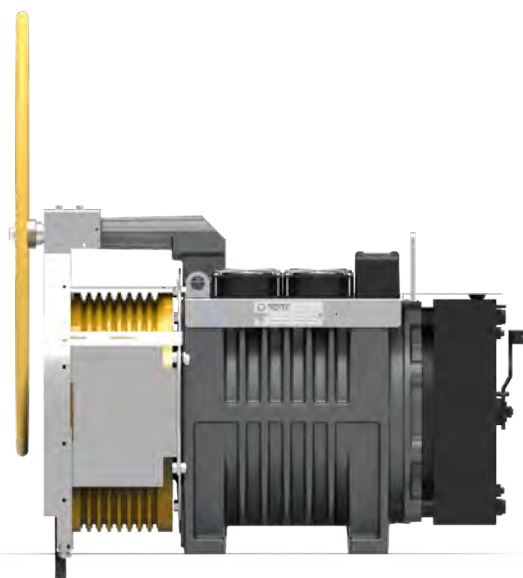
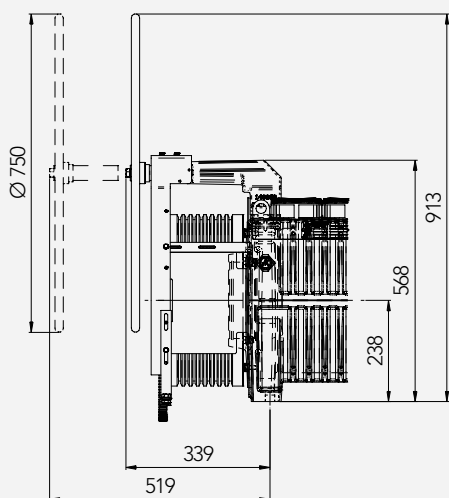



Nominal Torque	Short circuited torque	Poles	Encoder	Motor Cable
Nm	Nm			m
1050 S5 - 40% ED 180 s/h	1250	16	Endat Sincos	10
Brake				
RTW1000 [2x1200Nm] 2X158W - 207V _{DC}				

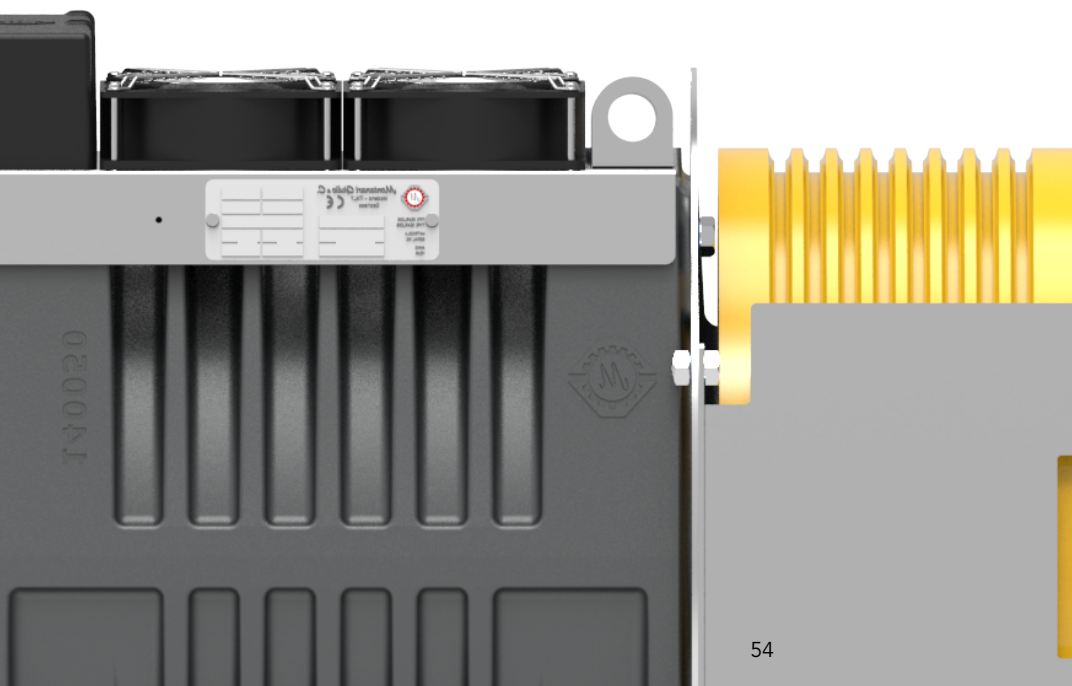
		Ropes			Dimensions
ØD	F	Ø	min - max	Pitch	A
mm	mm	mm	n°	mm	mm
320	180	8	3 - 10	17	153
400		10			
480	145	12	3 - 9	20	
520		13	3 - 7		

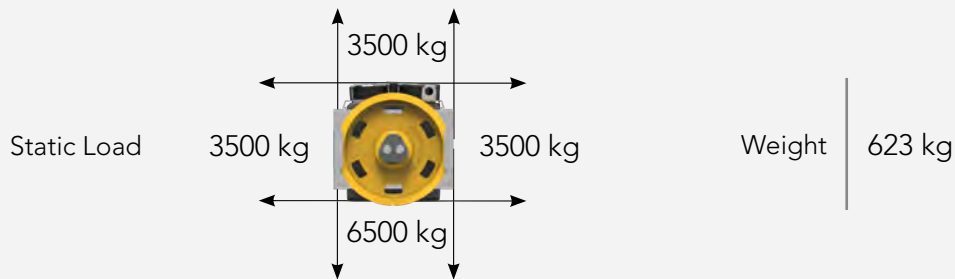
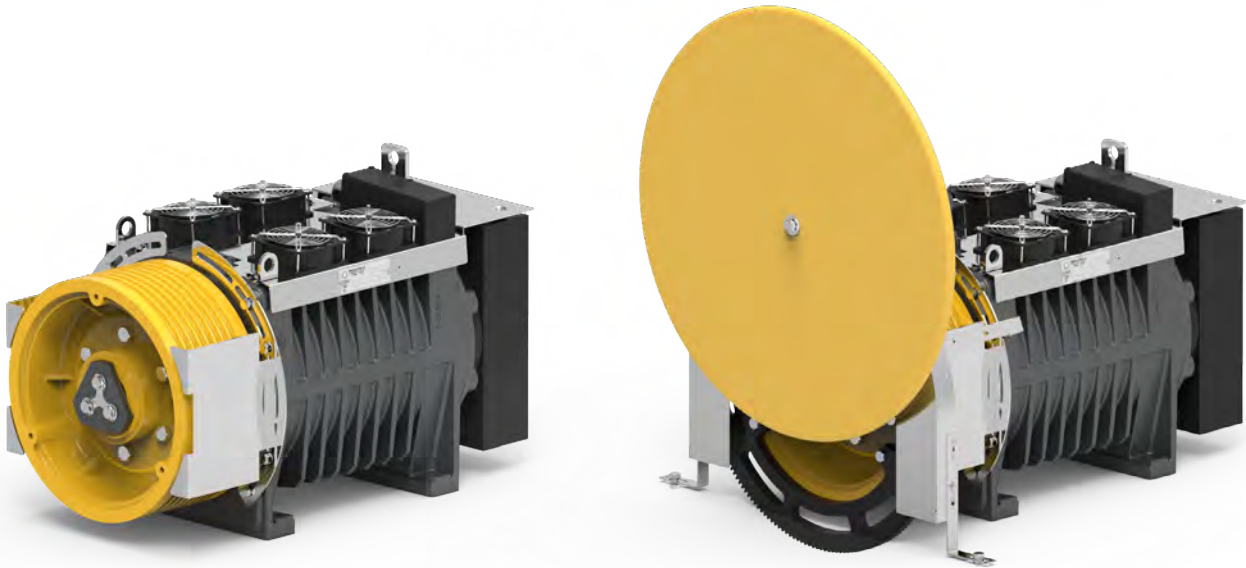


Machine Room Use




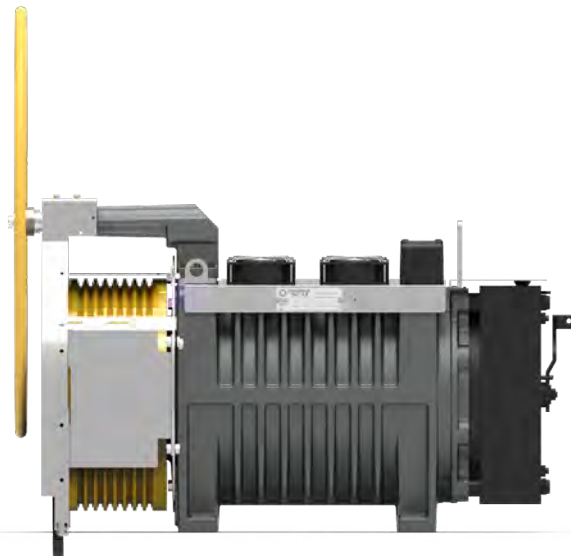
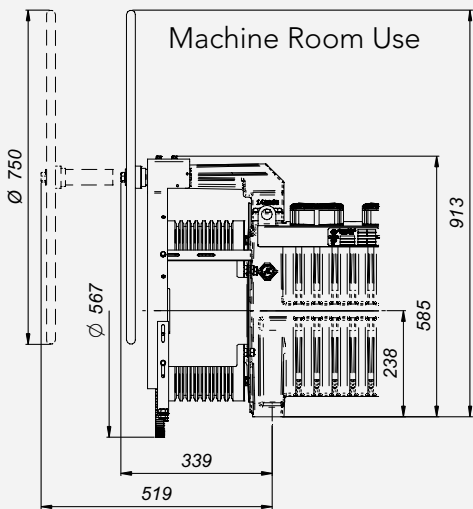
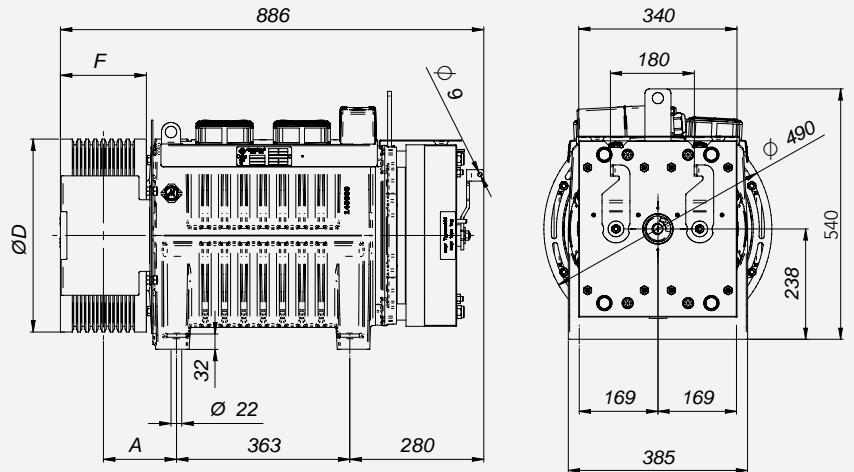
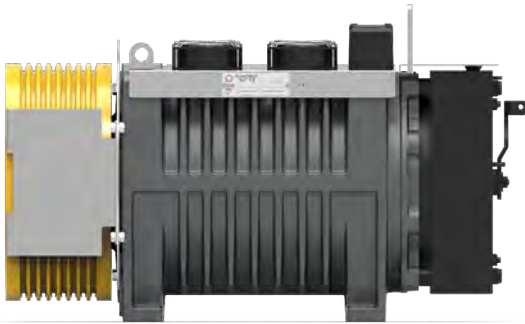
	Load		Ø	Ropes	Pitch	Torque	Power	RPM	Freq.	Current 380V
	kg	m/s	mm	max	mm	Nm	kW	RPM	Hz	A
2:1	1360	0,63	320	10xØ8	17	708	5,6	75,2	10,0	14,2
			400	10xØ10	17	885	5,6	60,2	8,0	17,7
			480	9xØ12	20	1062	5,6	50,1	6,7	21,2
			520	6xØ13	20	1142	5,5	46,3	6,2	20,1
		1	320	10xØ8	17	708	8,9	119,4	15,9	20,6
			400	10xØ10	17	885	8,9	95,5	12,7	25,7
			480	9xØ12	20	1062	8,9	79,6	10,6	30,9
			520	6xØ13	20	1142	8,8	73,5	9,8	22,8
		1,6	320	10xØ8	17	708	14,2	191,0	25,5	38,4
			400	10xØ10	17	885	14,2	152,8	20,4	36,3
			480	9xØ12	20	1062	14,2	127,3	17,0	43,5
			520	6xØ13	20	1142	14,1	117,5	15,7	33,2
	2	320	10xØ8	17	708	17,7	238,7	31,8	38,4	
		400	10xØ10	17	885	17,7	191,0	25,5	48,1	
		480	9xØ12	20	1062	17,7	159,2	21,2	43,5	
		520	6xØ13	20	1142	17,6	146,9	19,6	46,8	
	2,5	320	10xØ8	17	708	22,1	298,4	39,8	46,5	
		400	10xØ10	17	885	22,1	238,7	31,8	48,1	
		480	9xØ12	20	1062	22,1	198,9	26,5	57,7	
		520	6xØ13	20	1142	22,0	183,6	24,5	62,0	
	3	320	10xØ8	17	708	26,6	358,1	47,7	57,3	
		400	10xØ10	17	885	26,6	286,5	38,2	58,2	
		480	9xØ12	20	1062	26,6	238,7	31,8	57,7	
		520	6xØ13	20	1142	26,4	220,4	29,4	62,0	
	1600	0,63	320	10xØ8	17	812	6,4	75,2	10,0	16,2
			400	10xØ10	17	1016	6,4	60,2	8,0	20,3
		1	320	10xØ8	17	812	10,2	119,4	15,9	23,6
			400	10xØ10	17	1016	10,2	95,5	12,7	29,5
		1,6	320	10xØ8	17	812	16,2	191,0	25,5	44,9
			400	10xØ10	17	1016	16,2	152,8	20,4	41,6
		2	320	10xØ8	17	812	20,3	238,7	31,8	44,9
			400	10xØ10	17	1016	20,3	191,0	25,5	56,1
		2,5	320	10xØ8	17	812	25,4	298,4	39,8	53,4
			400	10xØ10	17	1016	25,4	238,7	31,8	56,1
		3	320	10xØ8	17	812	30,5	358,1	47,7	65,8
			400	10xØ10	17	1016	30,5	286,5	38,2	66,7
2000	0,63	320	10xØ8	17	997	7,9	75,2	10,0	19,9	
	1	320	10xØ8	17	997	12,5	119,4	15,9	29,0	
	1,6	320	10xØ8	17	997	19,9	191,0	25,5	55,1	
	2	320	10xØ8	17	997	24,9	238,7	31,8	55,1	
	2,5	320	10xØ8	17	997	31,2	298,4	39,8	65,5	
	3	320	10xØ8	17	997	37,4	358,1	47,7	80,7	




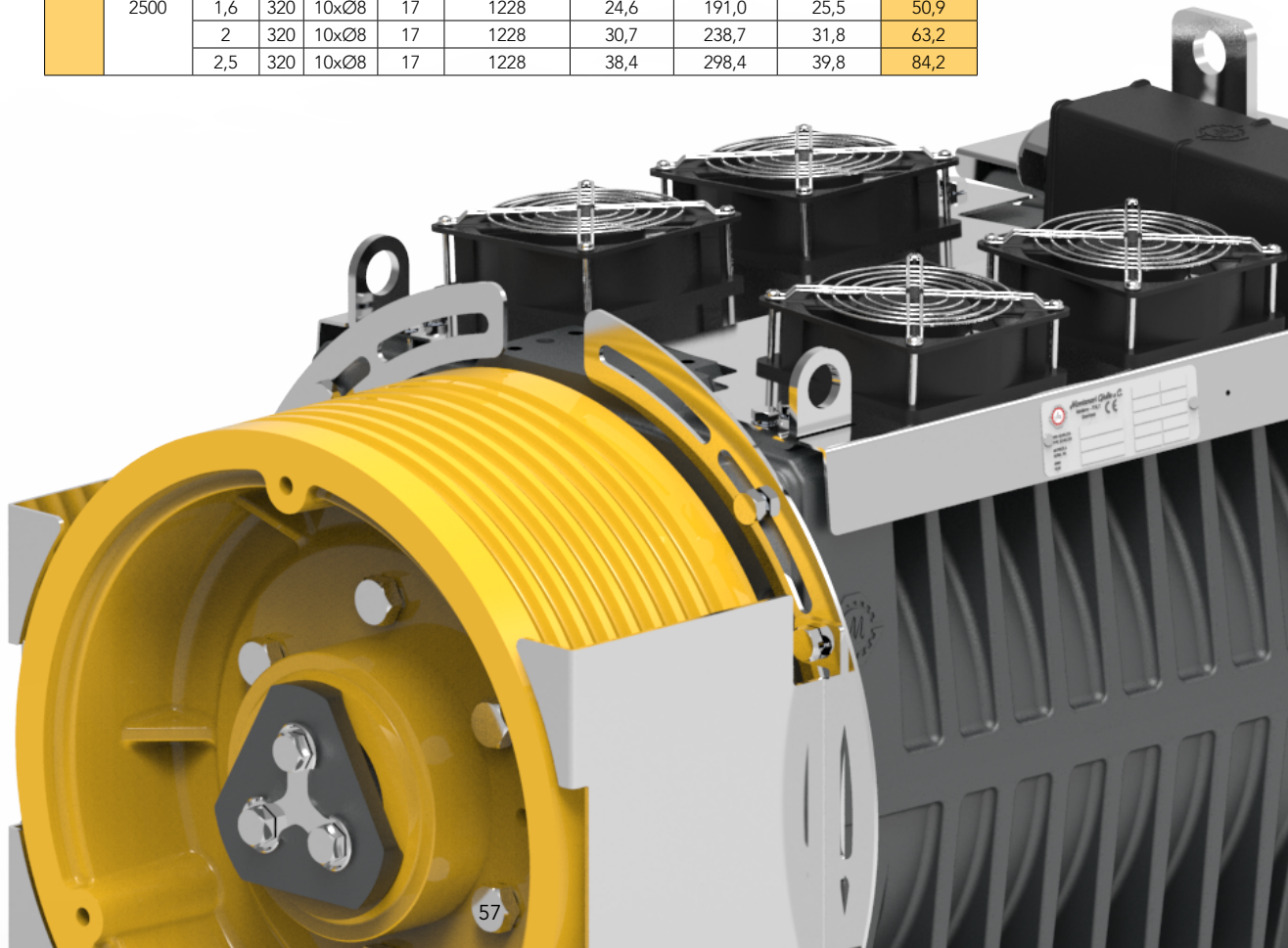


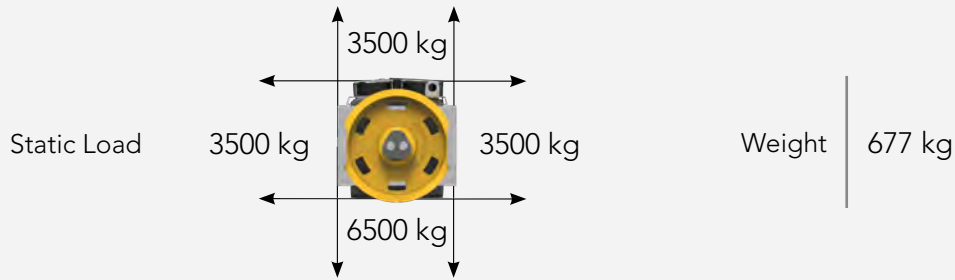
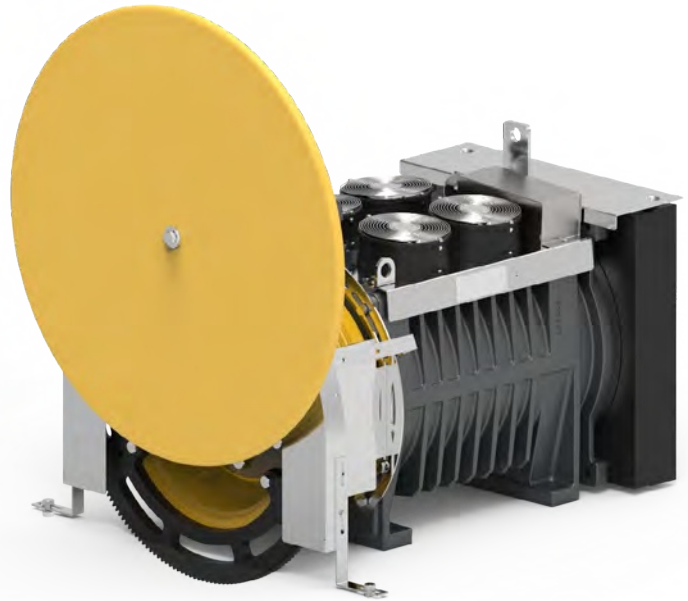
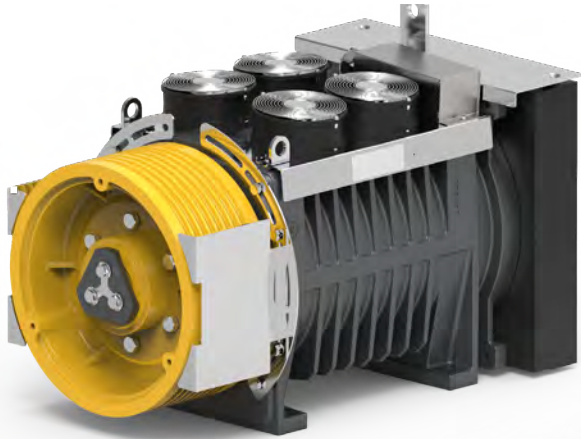
Nominal Torque	Short circuited torque	Poles	Encoder	Motor Cable
Nm	Nm			m
1400 S5 - 40% ED 180 s/h	1900	16	Endat Sincos	10
Brake				
RTW1000 [2x1200Nm] 2X158W - 207V _{DC}				

		Ropes			Dimensions
ØD	F	Ø	min - max	Pitch	A
mm	mm	mm	n°	mm	mm
320	180	8	3 - 10	17	153
400		10			
480	145	12	3 - 9	20	
520		13	3 - 7		




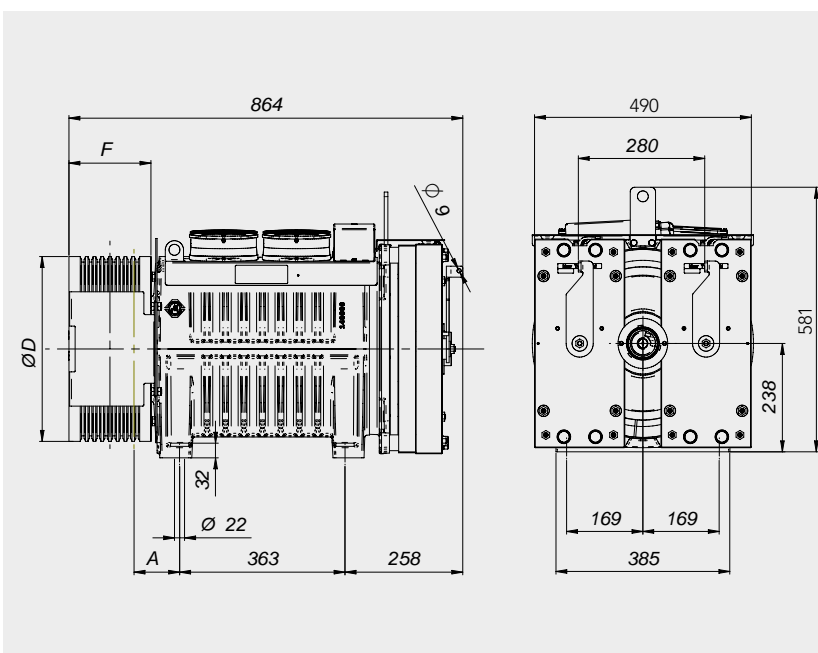
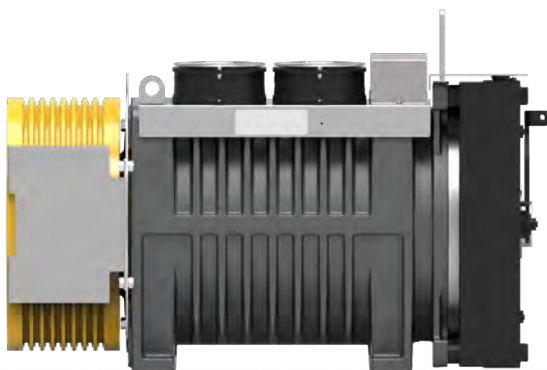
Load		Ø	Ropes	Pitch	Torque	Power	RPM	Freq.	Current	
									380V	
kg	m/s	mm	max	mm	Nm	kW	RPM	Hz	A	
2:1	1600	0,63	320	10xØ8	17	812	6,4	75,2	10,0	20,9
			400	10xØ10	17	1016	6,4	60,2	8,0	17,0
			480	9xØ12	20	1219	6,4	50,1	6,7	20,5
			520	6xØ13	20	1320	6,4	46,3	6,2	22,2
		1	320	10xØ8	17	812	10,2	119,4	15,9	23,2
			400	10xØ10	17	1016	10,2	95,5	12,7	26,1
			480	9xØ12	20	1219	10,2	79,6	10,6	31,3
			520	6xØ13	20	1320	10,2	73,5	9,8	34,0
		1,6	320	10xØ8	17	812	16,2	191,0	25,5	33,7
			400	10xØ10	17	1016	16,2	152,8	20,4	42,1
			480	9xØ12	20	1219	16,2	127,3	17,0	50,5
			520	6xØ13	20	1320	16,2	117,5	15,7	37,7
	2	320	10xØ8	17	812	20,3	238,7	31,8	41,8	
		400	10xØ10	17	1016	20,3	191,0	25,5	42,1	
		480	9xØ12	20	1219	20,3	159,2	21,2	50,5	
		520	6xØ13	20	1320	20,3	146,9	19,6	54,7	
	2,5	320	10xØ8	17	812	25,4	298,4	39,8	55,7	
		400	10xØ10	17	1016	25,4	238,7	31,8	52,2	
		480	9xØ12	20	1219	25,4	198,9	26,5	62,7	
		520	6xØ13	20	1320	25,4	183,6	24,5	54,7	
	3	400	10xØ10	17	1016	30,5	286,5	38,2	69,6	
		480	9xØ12	20	1219	30,5	238,7	31,8	62,7	
		520	6xØ13	20	1320	30,5	220,4	29,4	67,9	
	2000	0,63	320	10xØ8	17	997	7,9	75,2	10,0	25,6
			400	10xØ10	17	1246	7,9	60,2	8,0	20,9
		1	320	10xØ8	17	997	12,5	119,4	15,9	28,5
			400	10xØ10	17	1246	12,5	95,5	12,7	32,1
		1,6	320	10xØ8	17	997	19,9	191,0	25,5	41,3
400			10xØ10	17	1246	19,9	152,8	20,4	51,6	
2		320	10xØ8	17	997	24,9	238,7	31,8	51,3	
		400	10xØ10	17	1246	24,9	191,0	25,5	51,6	
2,5		320	10xØ8	17	997	31,2	298,4	39,8	68,4	
		400	10xØ10	17	1246	31,2	238,7	31,8	64,1	
3		400	10xØ10	17	1246	37,4	286,5	38,2	85,5	
2500		0,63	320	10xØ8	17	1228	9,7	75,2	10,0	31,6
	1	320	10xØ8	17	1228	15,3	119,4	15,9	35,1	
	1,6	320	10xØ8	17	1228	24,6	191,0	25,5	50,9	
	2	320	10xØ8	17	1228	30,7	238,7	31,8	63,2	
	2,5	320	10xØ8	17	1228	38,4	298,4	39,8	84,2	



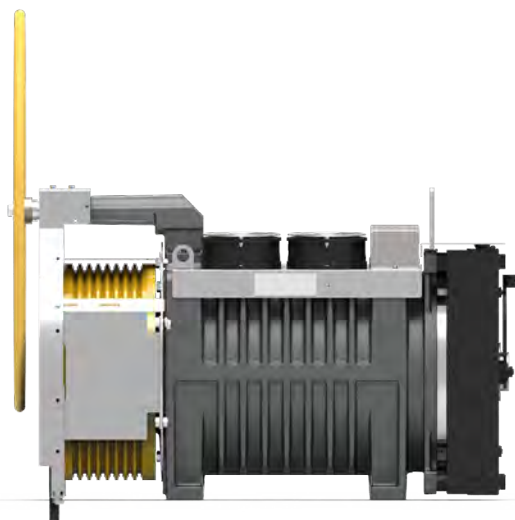
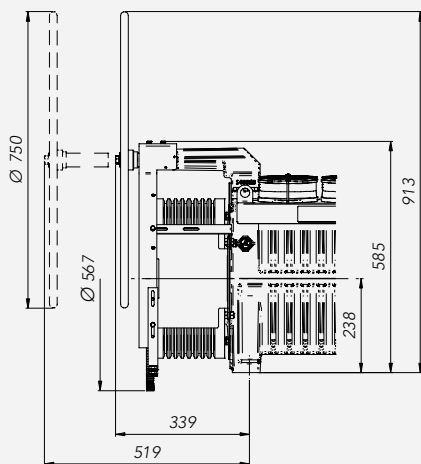



Nominal Torque	Short circuited torque	Poles	Encoder	Motor Cable
Nm	Nm			m
1650 S5 - 40% ED 180 s/h	1900	16	Endat Sincos	10
Brake				
RSR1500 [2x1700Nm] 2X165W - 207V _{DC}				

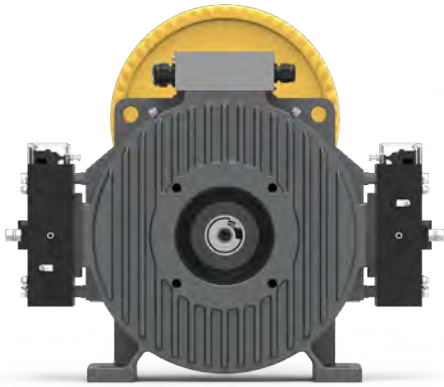
		Ropes			Dimensions
ØD	F	Ø	min - max	Pitch	A
mm	mm	mm	n°	mm	mm
320	180	8	3 - 10	17	153
400		10			
480		12	3 - 9	20	
520	145	13	3 - 7		



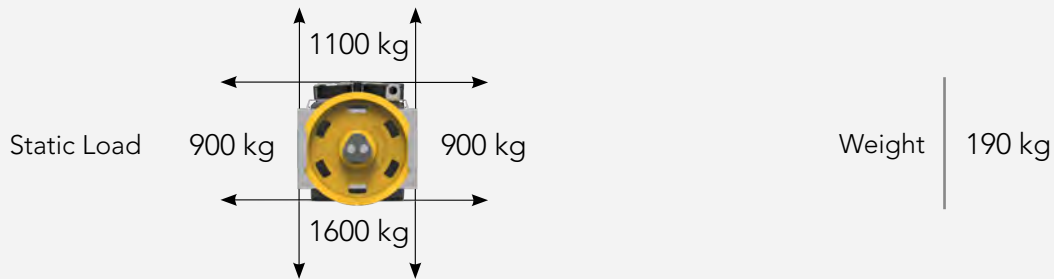
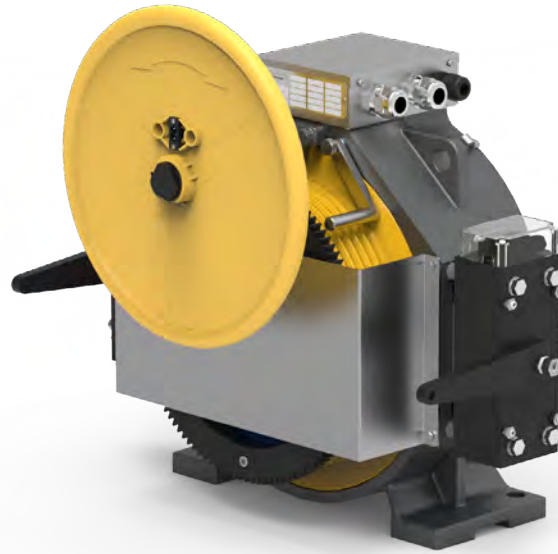
Machine Room Use




Load		Ø	Ropes	Pitch	Torque	Power	RPM	Freq.	Current 380V	
										kg
2:1	2000	0,63	320	10xØ8	17	997	7,9	75,2	10,0	25,9
			400	10xØ10	17	1246	7,9	60,2	8,0	32,3
			480	9xØ12	20	1496	7,9	50,1	6,7	38,8
			520	6xØ13	20	1620	7,9	46,3	6,2	27,5
		1	320	10xØ8	17	997	12,5	119,4	15,9	28,9
			400	10xØ10	17	1246	12,5	95,5	12,7	32,3
			480	9xØ12	20	1496	12,5	79,6	10,6	38,8
			520	6xØ13	20	1620	12,5	73,5	9,8	42,0
		1,6	320	10xØ8	17	997	19,9	191,0	25,5	41,9
			400	10xØ10	17	1246	19,9	152,8	20,4	52,3
			480	9xØ12	20	1496	19,9	127,3	17,0	62,8
			520	6xØ13	20	1620	19,9	117,5	15,7	47,0
	2	320	10xØ8	17	997	24,9	238,7	31,8	52,3	
		400	10xØ10	17	1246	24,9	191,0	25,5	52,3	
		480	9xØ12	20	1496	24,9	159,2	21,2	62,8	
		520	6xØ13	20	1620	24,9	146,9	19,6	68,0	
	2,5	320	10xØ8	17	997	31,2	298,4	39,8	69,6	
		400	10xØ10	17	1246	31,2	238,7	31,8	65,4	
		480	9xØ12	20	1496	31,2	198,9	26,5	78,5	
		520	6xØ13	20	1620	31,2	183,6	24,5	68,0	
	3	400	10xØ10	17	1246	37,4	286,5	38,2	86,9	
		480	9xØ12	20	1496	37,4	238,7	31,8	78,5	
		520	6xØ13	20	1620	37,4	220,4	29,4	85,0	
	2500	0,63	320	10xØ8	17	1228	9,7	75,2	10,0	31,8
			400	10xØ10	17	1535	9,7	60,2	8,0	39,8
		1	320	10xØ8	17	1228	15,3	119,4	15,9	35,6
			400	10xØ10	17	1535	15,3	95,5	12,7	39,8
		1,6	320	10xØ8	17	1228	24,6	191,0	25,5	51,5
400			10xØ10	17	1535	24,6	152,8	20,4	64,4	
2		320	10xØ8	17	1228	30,7	238,7	31,8	64,4	
		400	10xØ10	17	1535	30,7	191,0	25,5	64,4	
2,5		320	10xØ8	17	1228	38,4	298,4	39,8	85,7	
		400	10xØ10	17	1535	38,4	238,7	31,8	80,5	
3		400	10xØ10	17	1535	46,0	286,5	38,2	107,1	
3000		0,63	320	10xØ8	17	1459	11,5	75,2	10,0	37,8
	1	320	10xØ8	17	1459	18,2	119,4	15,9	42,3	
	1,6	320	10xØ8	17	1459	29,2	191,0	25,5	61,2	
	2	320	10xØ8	17	1459	36,5	238,7	31,8	76,5	
	2,5	320	10xØ8	17	1459	45,6	298,4	39,8	101,8	




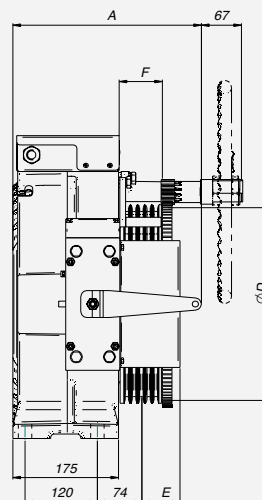
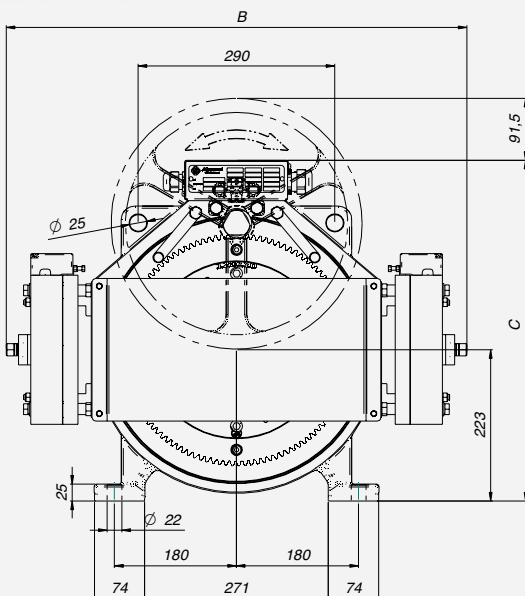
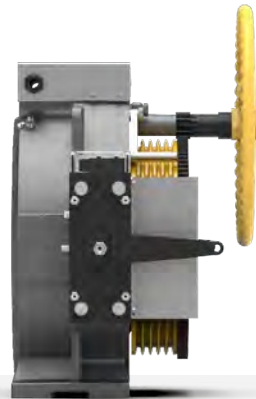
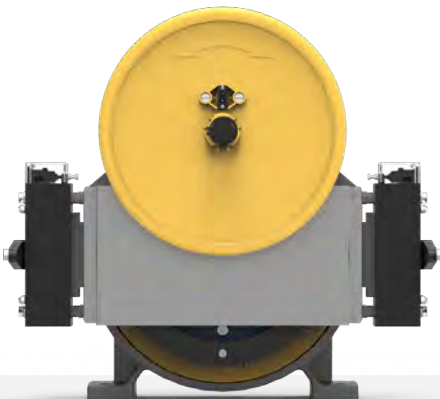
FLAT GEARLESS



Nominal Torque	Short circuited torque	Poles	Encoder	Motor Cable
Nm	Nm			m
325 S5 - 40% ED 180 s/h	350	24	Endat Sincos	10
Brake				
EMF00 [2x325Nm] - 2X162W 104V _{DC}				

		Ropes			Dimensions						
		Ø	F	Ø	min - max	Pitch	A	B	C	E	
		mm	mm	mm	n°	mm	mm	mm	mm	mm	
320		72		8		3 - 4	17	315	679	503	63
						5	13				

2:1	Load 	Ø	Ropes	Pitch	Torque	Power	RPM	Freq.	Current 380V
	kg	m/s	mm	max	mm	Nm	kW	RPM	Hz
340	0,63	320	4xØ8	12	216	1,7	75,2	15,0	6,6
		320			216	2,7	119,4	23,9	6,6
	1,5	320	216		4,0	179,0	35,8	9,6	
		320	216		4,3	191,0	38,2	12,9	
	1,75	320	5xØ8		216	4,7	208,9	41,8	12,9
		320			216	5,4	238,7	47,7	12,9
408	0,63	320	4xØ8	12	245	1,9	75,2	15,0	7,5
		320			245	3,1	119,4	23,9	7,5
	1,5	320	245		4,6	179,0	35,8	10,9	
		320	245		4,9	191,0	38,2	14,7	
	1,75	320	5xØ8		245	5,4	208,9	41,8	14,7
		320			245	6,1	238,7	47,7	14,7
544	0,63	320	4xØ8	12	314	2,5	75,2	15,0	9,7
		320			314	3,9	119,4	23,9	9,7
	1,5	320	314		5,9	179,0	35,8	14,0	
		320	314		6,3	191,0	38,2	18,8	
	1,75	320	5xØ8		314	6,9	208,9	41,8	18,8
		320			314	7,8	238,7	47,7	18,8
630	0,63	320	4xØ8	12	346	2,7	75,2	15,0	10,7
		320			346	4,3	119,4	23,9	10,7
	1,5	320	346		6,5	179,0	35,8	15,4	
		320	346		6,9	191,0	38,2	20,8	
	1,75	320	5xØ8		346	7,6	208,9	41,8	20,8
		320			346	8,7	238,7	47,7	20,8

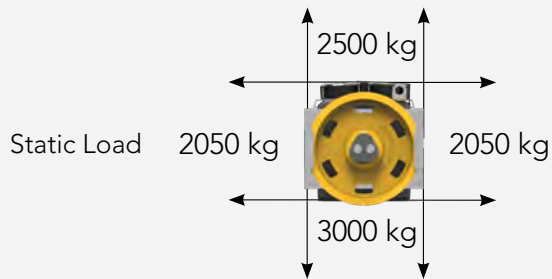




FLAT GEARLESS



Protections not included



Static Load

2050 kg

2050 kg

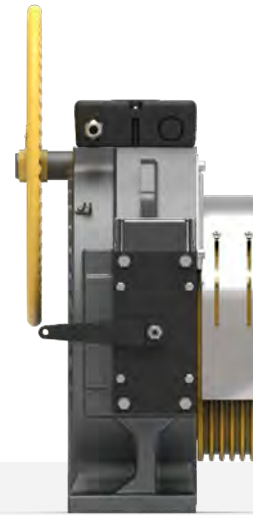
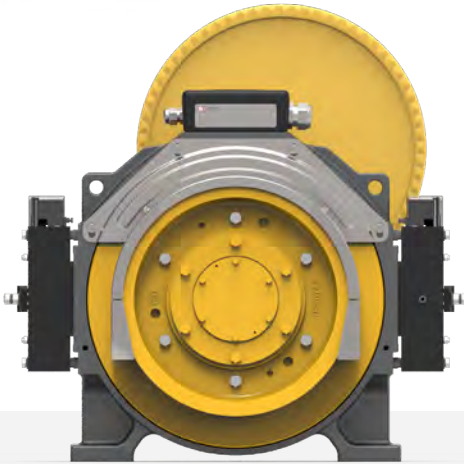
Weight

330 kg

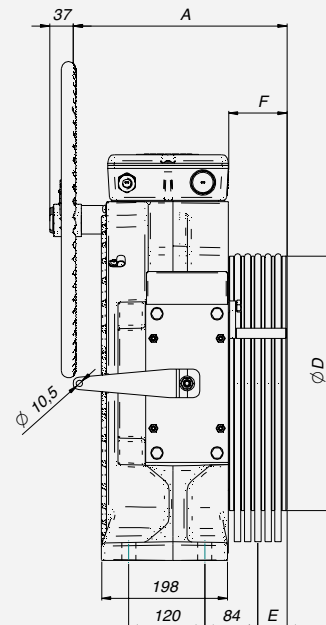
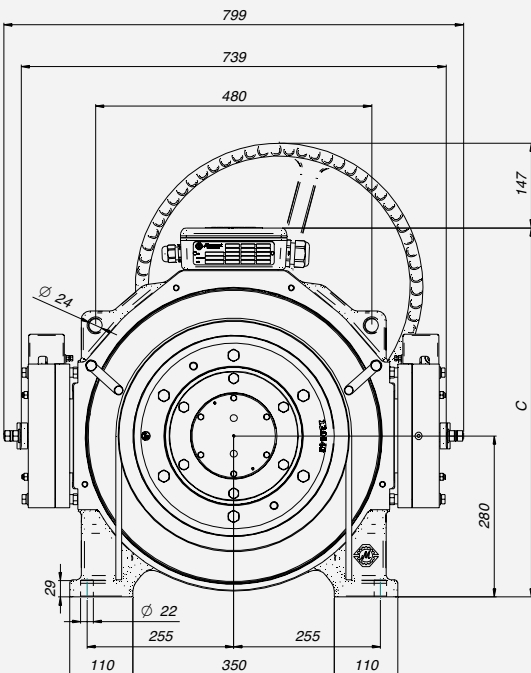
Nominal Torque	Short circuited torque	Poles	Encoder	Motor Cable
Nm	Nm			m
670 S5 - 40% ED 180 s/h	850	32	Endat Sincos	10
Brake				
EMF01 [2x700Nm] - 2X140W 104V _{DC}				




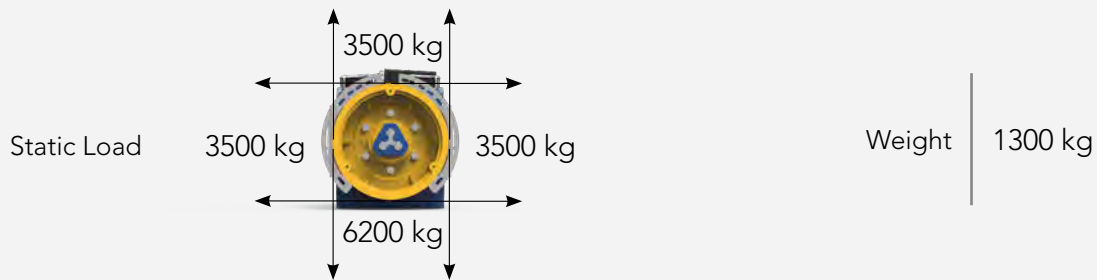
Protections not included




ØD		Ropes			Dimensions		
ØD	F	Ø	min - max	Pitch	A	C	E
mm	mm	mm	n°	mm	mm	mm	mm
400	92	10	3 - 5	17	345	640	53
			6	14			
480		12	5	17			

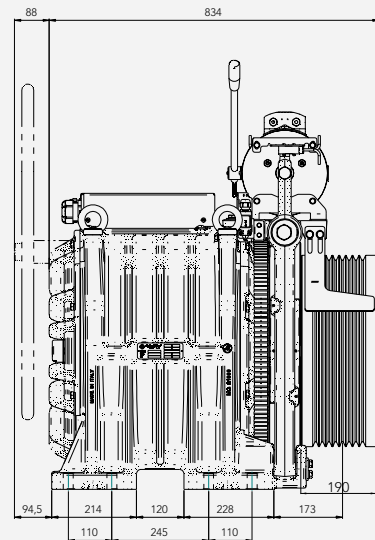
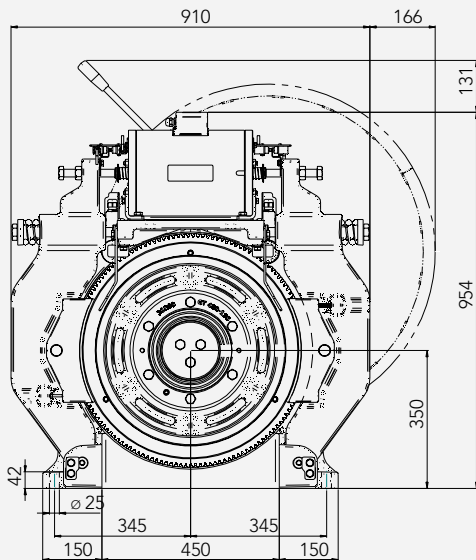



	Load		Ø	Ropes	Pitch	Torque	Power	RPM	Freq.	Current 380V
	kg	m/s	mm	max	mm	Nm	kW	RPM	Hz	A
2:1	680	0,5	400	6xØ10	14	467	2,3	47,7	12,7	7,0
			480	5xØ12	17	561	2,3	39,8	10,6	8,4
		0,63	400	6xØ10	14	467	2,9	60,2	16,0	7,0
			480	5xØ12	17	561	2,9	50,1	13,4	8,4
		1	400	6xØ10	14	467	4,7	95,5	25,5	10,5
			480	5xØ12	17	561	4,7	79,6	21,2	12,6
		1,5	400	6xØ10	14	467	7,0	143,2	38,2	16,0
			480	5xØ12	17	561	7,0	119,4	31,8	19,2
		1,6	400	6xØ10	14	467	7,5	152,8	40,7	16,0
			480	5xØ12	17	561	7,5	127,3	34,0	19,2
		1,75	400	6xØ10	14	467	8,2	167,1	44,6	24,4
			480	5xØ12	17	561	8,2	139,3	37,1	19,2
	2	400	6xØ10	14	467	9,3	191,0	50,9	24,4	
		480	5xØ12	17	561	9,3	159,2	42,4	29,3	
	2,5	400	6xØ10	14	467	11,7	238,7	63,7	24,4	
		480	5xØ12	17	561	11,7	198,9	53,1	29,3	
	3	400	6xØ10	14	467	14,0	286,5	76,4	29,3	
		480	5xØ12	17	561	14,0	238,7	63,7	29,3	
	884	0,5	400	6xØ10	14	587	2,9	47,7	12,7	8,8
		0,63	400	6xØ10	14	587	3,7	60,2	16,0	8,8
		1	400	6xØ10	14	587	5,9	95,5	25,5	13,1
		1,5	400	6xØ10	14	587	8,8	143,2	38,2	20,1
		1,6	400	6xØ10	14	587	9,4	152,8	40,7	20,1
		1,75	400	6xØ10	14	587	10,3	167,1	44,6	30,6
2		400	6xØ10	14	587	11,7	191,0	50,9	30,6	
2,5		400	6xØ10	14	587	14,7	238,7	63,7	30,6	
3	400	6xØ10	14	587	17,6	286,5	76,4	36,8		
1020	0,5	400	6xØ10	14	659	3,3	47,7	12,7	9,8	
	0,63	400	6xØ10	14	659	4,2	60,2	16,0	9,8	
	1	400	6xØ10	14	659	6,6	95,5	25,5	14,8	
	1,5	400	6xØ10	14	659	9,9	143,2	38,2	22,6	
	1,6	400	6xØ10	14	659	10,5	152,8	40,7	22,6	
	1,75	400	6xØ10	14	659	11,5	167,1	44,6	34,4	
	2	400	6xØ10	14	659	13,2	191,0	50,9	34,4	
	2,5	400	6xØ10	14	659	16,5	238,7	63,7	34,4	
3	400	6xØ10	14	659	19,8	286,5	76,4	41,3		




Nominal Torque	Short circuited torque	Poles	Encoder	Motor Cable
Nm	Nm			m
2100 S5 - 40% ED 180 s/h	3000	20	Endat Sincos	10
Brake				
EMG00 [2x2100Nm] - 2X520W - 2x130W 207V _{DC-PEAK} 104V _{DC-HOLD}				

	Ropes			
	ØD	Ø	min - max	Pitch
	mm	mm	n°	mm
	440	11	6 -10	17
	480	12		
	520	13	5 -8	20



Load		Ø	Ropes	Pitch	Torque	Power	RPM	Freq.	Current 380V		
										kg	m/s
2000	0,63	440	8xØ11	20	1422	8,1	54,7	9,1	18,1		
			8xØ12	20	1551	8,1	50,1	8,4	19,7		
			8xØ13	20	1680	8,1	46,3	7,7	21,4		
		1	440	8xØ11	20	1422	12,9	86,8	14,5	24,4	
				8xØ12	20	1551	12,9	79,6	13,3	26,6	
				8xØ13	20	1680	12,9	73,5	12,2	28,8	
		1,5	440	8xØ11	20	1422	19,4	130,2	21,7	43,3	
				8xØ12	20	1551	19,4	119,4	19,9	39,9	
				8xØ13	20	1680	19,4	110,2	18,4	43,2	
	1,75	440	8xØ11	20	1422	22,6	151,9	25,3	43,3		
			8xØ12	20	1551	22,6	139,3	23,2	47,3		
			8xØ13	20	1680	22,6	128,5	21,4	51,2		
	2	440	8xØ11	20	1422	25,9	173,6	28,9	52,8		
			8xØ12	20	1551	25,9	159,2	26,5	57,6		
			8xØ13	20	1680	25,9	146,9	24,5	51,2		
	2,5	440	8xØ11	20	1422	32,3	217,0	36,2	63,4		
			8xØ12	20	1551	32,3	198,9	33,2	69,1		
			8xØ13	20	1680	32,3	183,6	30,6	62,4		
	3	440	8xØ11	20	1422	38,8	260,4	43,4	76,2		
			8xØ12	20	1551	38,8	238,7	39,8	69,1		
			8xØ13	20	1680	38,8	220,4	36,7	74,9		
	3,5	480	8xØ12	20	1551	45,2	278,5	46,4	83,1		
			8xØ13	20	1680	45,2	257,1	42,8	90,0		
			520	8xØ13	20	1680	51,7	293,8	49,0	90,0	
	2500	0,63	440	8xØ11	20	1739	10,0	54,7	9,1	22,1	
				8xØ12	20	1897	10,0	50,1	8,4	24,1	
				8xØ13	20	2055	10,0	46,3	7,7	26,1	
			1	440	8xØ11	20	1739	15,8	86,8	14,5	29,8
					8xØ12	20	1897	15,8	79,6	13,3	32,5
					8xØ13	20	2055	15,8	73,5	12,2	35,2
			1,5	440	8xØ11	20	1739	23,7	130,2	21,7	53,0
					8xØ12	20	1897	23,7	119,4	19,9	48,8
					8xØ13	20	2055	23,7	110,2	18,4	52,9
		1,75	440	8xØ11	20	1739	27,7	151,9	25,3	53,0	
				8xØ12	20	1897	27,7	139,3	23,2	57,8	
				8xØ13	20	2055	27,7	128,5	21,4	62,6	
2		440	8xØ11	20	1739	31,6	173,6	28,9	64,6		
			8xØ12	20	1897	31,6	159,2	26,5	70,5		
			8xØ13	20	2055	31,6	146,9	24,5	62,6		
2,5		440	8xØ11	20	1739	39,5	217,0	36,2	77,5		
			8xØ12	20	1897	39,5	198,9	33,2	84,6		
			8xØ13	20	2055	39,5	183,6	30,6	76,3		
3		440	8xØ11	20	1739	47,4	260,4	43,4	93,2		
			8xØ12	20	1897	47,4	238,7	39,8	84,6		
			8xØ13	20	2055	47,4	220,4	36,7	91,6		
3,5		480	8xØ12	20	1897	55,3	278,5	46,4	101,6		
			8xØ13	20	2055	55,3	257,1	42,8	110,1		
			520	8xØ13	20	2055	63,2	293,8	49,0	110,1	
3000		0,63	440	8xØ11	20	2057	11,8	54,7	9,1	26,1	
		1	440	8xØ11	20	2057	18,7	86,8	14,5	35,3	
		1,5	440	8xØ11	20	2057	28,0	130,2	21,7	62,7	
		1,75	440	8xØ11	20	2057	32,7	151,9	25,3	62,7	
		2	440	8xØ11	20	2057	37,4	173,6	28,9	76,4	
		2,5	440	8xØ11	20	2057	46,7	217,0	36,2	91,7	
3		440	8xØ11	20	2057	56,1	260,4	43,4	110,2		

Load		Ø	Ropes	Pitch	Torque	Power	RPM	Freq.	Current 380V	
										kg
4000	0,5	440	8xØ11	20	1422	12,9	86,8	14,5	24,4	
		480	8xØ12	20	1551	12,9	79,6	13,3	26,6	
		520	8xØ13	20	1680	12,9	73,5	12,2	28,8	
	0,63	440	8xØ11	20	1422	16,3	109,4	18,2	36,6	
		480	8xØ12	20	1551	16,3	100,3	16,7	39,9	
		520	8xØ13	20	1680	16,3	92,6	15,4	43,2	
	1	440	8xØ11	20	1422	25,9	173,6	28,9	52,8	
		480	8xØ12	20	1551	25,9	159,2	26,5	57,6	
		520	8xØ13	20	1680	25,9	146,9	24,5	51,2	
	1,5	440	8xØ11	20	1422	38,8	260,4	43,4	76,2	
		480	8xØ12	20	1551	38,8	238,7	39,8	69,1	
		520	8xØ13	20	1680	38,8	220,4	36,7	74,9	
	1,6	440	8xØ11	20	1422	41,4	277,8	46,3	76,2	
		480	8xØ12	20	1551	41,4	254,6	42,4	83,1	
		520	8xØ13	20	1680	41,4	235,1	39,2	74,9	
	1,75	480	8xØ12	20	1551	45,2	278,5	46,4	83,1	
		520	8xØ13	20	1680	45,2	257,1	42,8	90,0	
	2	520	8xØ13	20	1680	51,7	293,8	49,0	90,0	
	5000	0,5	440	8xØ11	20	1739	15,8	86,8	14,5	29,8
			480	8xØ12	20	1897	15,8	79,6	13,3	32,5
			520	8xØ13	20	2055	15,8	73,5	12,2	35,2
		0,63	440	8xØ11	20	1739	19,9	109,4	18,2	44,7
			480	8xØ12	20	1897	19,9	100,3	16,7	48,8
			520	8xØ13	20	2055	19,9	92,6	15,4	52,9
1		440	8xØ11	20	1739	31,6	173,6	28,9	64,6	
		480	8xØ12	20	1897	31,6	159,2	26,5	70,5	
		520	8xØ13	20	2055	31,6	146,9	24,5	62,6	
1,5		440	8xØ11	20	1739	47,4	260,4	43,4	93,2	
		480	8xØ12	20	1897	47,4	238,7	39,8	84,6	
		520	8xØ13	20	2055	47,4	220,4	36,7	91,6	
1,6		440	8xØ11	20	1739	50,6	277,8	46,3	93,2	
		480	8xØ12	20	1897	50,6	254,6	42,4	101,6	
		520	8xØ13	20	2055	50,6	235,1	39,2	91,6	
1,75		480	8xØ12	20	1897	55,3	278,5	46,4	101,6	
		520	8xØ13	20	2055	55,3	257,1	42,8	110,1	
2		520	8xØ13	20	2055	63,2	293,8	49,0	110,1	
6000	0,5	440	8xØ11	20	2057	18,7	86,8	14,5	35,3	
	0,63	440	8xØ11	20	2057	23,6	109,4	18,2	52,9	
	1	440	8xØ11	20	2057	37,4	173,6	28,9	76,4	
	1,5	440	8xØ11	20	2057	56,1	260,4	43,4	110,2	
	1,6	440	8xØ11	20	2057	59,8	277,8	46,3	110,2	



Montanari Group

GEARLESS & GEARBOX
TRACTION MACHINES



GEARLESS

RANGE OVERVIEW



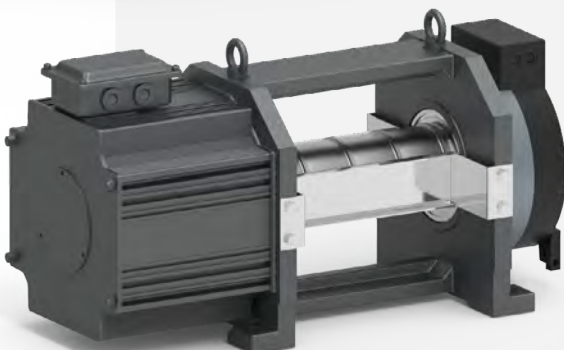
MDG45



MDG45 - FG



MDG63



MDG100



static load
2000 kg


load
450 kg

speed
up to 1 m/s

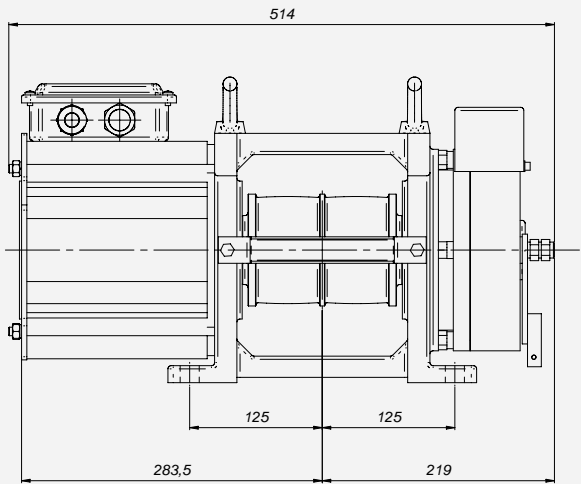
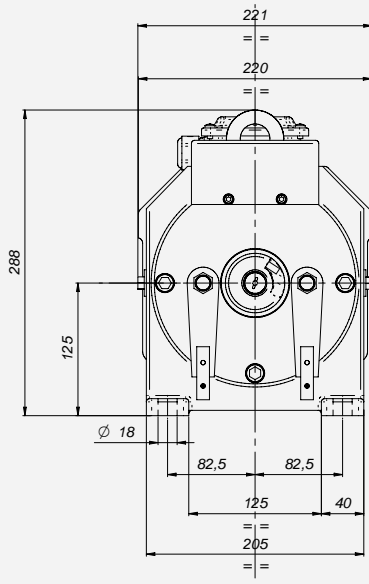
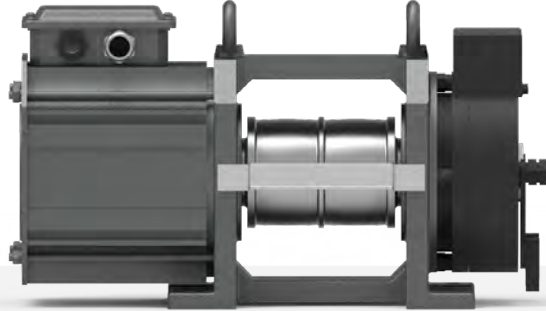
sheave
100 mm

weight
90 kg

Encoder	Poles	Nominal Torque	IP Code	BELT		
				Width	min - max	Pitch
		Nm		mm	n°	mm
ECN 1313 ERN 1387	16	74 S5-25%	IP41	60	2	65
Brake						
[2x125Nm] - 154W - DC110V/1.4A						

Load		Sheave				Torque	Power	RPM	Freq.	Current 380V	Current 220V								
		Ø	Width	n	Pitch														
kg	m/s	mm	mm		mm	Nm	kW	RPM	Hz	A	A								
260	0,30	100	60	2	65	43	0,5	115	15,3	2,7	4,3								
	0,40						0,7	153	20,4	2,7	4,3								
	0,50						0,9	191	25,5	2,7	5,5								
	0,63						1,1	241	32,1	2,7	5,5								
	1,00						1,7	382	50,9	4,3	7,9								
320	0,30					100	60	2	65	53	0,6	115	15,3	3,4	5,3				
	0,40										0,8	153	20,4	3,4	5,3				
	0,50										1,1	191	25,5	3,4	6,8				
	0,63										1,3	241	32,1	3,4	6,8				
	1,00										2,1	382	50,9	5,3	9,8				
400	0,30									100	60	2	65	66	0,8	115	15,3	4,2	6,6
	0,40														1,1	153	20,4	4,2	6,6
	0,50														1,3	191	25,5	4,2	8,5
	0,63														1,7	241	32,1	4,2	8,5
	1,00														2,6	382	50,9	6,6	12,2
450	0,30	100	60	2	65									74	0,9	115	15,3	4,8	7,4
	0,40														1,2	153	20,4	4,8	7,4
	0,50														1,5	191	25,5	4,8	9,5
	0,63														1,9	241	32,1	4,8	9,5
	1,00														3,0	382	50,9	7,4	13,7

1 - The values are obtained considering system balanced at the 45%
2 - Data are subject to change without prior notice





static load
2000 kg

load
450 kg

speed
up to 1 m/s

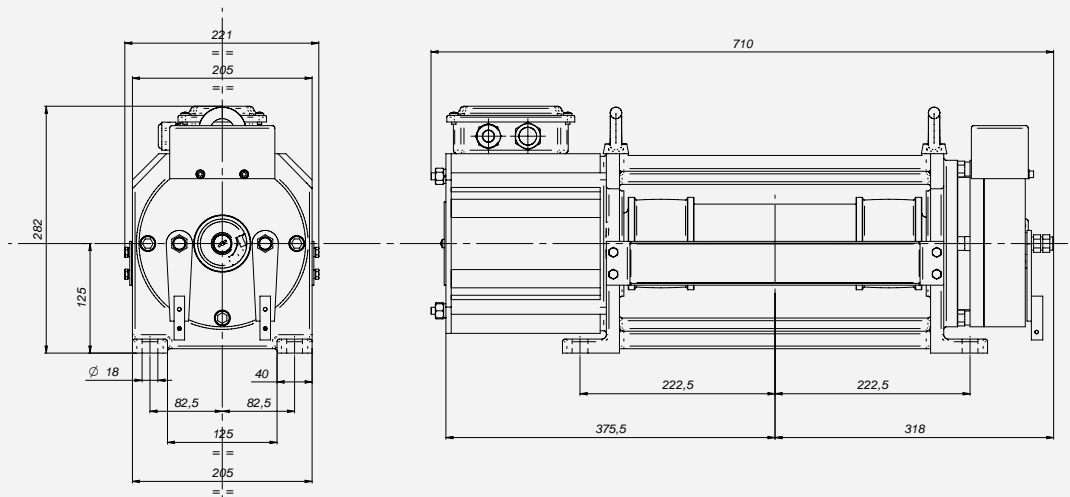
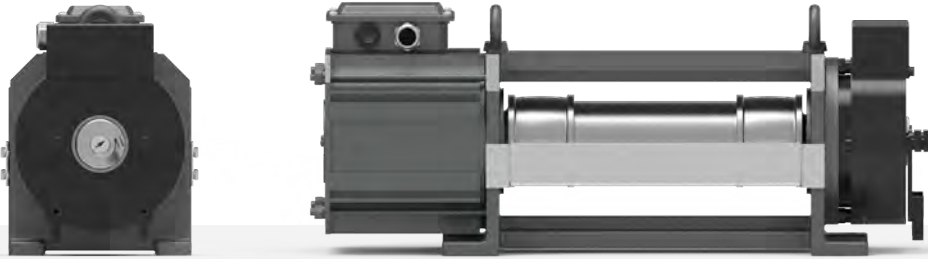
sheave
100 mm

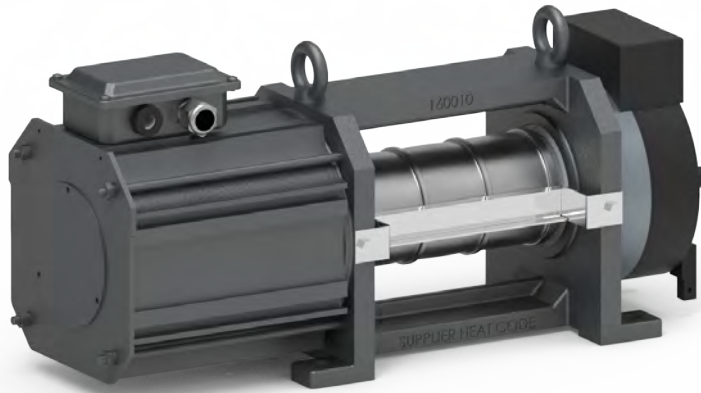
weight
95 kg

Encoder	Poles	Nominal Torque	IP Code	BELT		
				Width	min - max	Pitch
		Nm		mm	n°	mm
ECN 1313 ERN 1387	16	74 S5-25%	IP41	60	2	260
Brake						
[2x125Nm] - 154W - DC110V/1.4A						

Load	⤴	Sheave				Torque	Power	RPM	Freq.	Current 380V	Current 220V								
		∅	Width	n	Pitch														
kg	m/s	mm	mm		mm	Nm	kW	RPM	Hz	A	A								
260	0,30	100	60	2	65	43	0,5	115	15,3	2,7	4,3								
	0,40						0,7	153	20,4	2,7	4,3								
	0,50						0,9	191	25,5	2,7	5,5								
	0,63						1,1	241	32,1	2,7	5,5								
	1,00						1,7	382	50,9	4,3	7,9								
320	0,30					100	60	2	65	53	0,6	115	15,3	3,4	5,3				
	0,40										0,8	153	20,4	3,4	5,3				
	0,50										1,1	191	25,5	3,4	6,8				
	0,63										1,3	241	32,1	3,4	6,8				
	1,00										2,1	382	50,9	5,3	9,8				
400	0,30									100	60	2	65	66	0,8	115	15,3	4,2	6,6
	0,40														1,1	153	20,4	4,2	6,6
	0,50														1,3	191	25,5	4,2	8,5
	0,63														1,7	241	32,1	4,2	8,5
	1,00														2,6	382	50,9	6,6	12,2
450	0,30	100	60	2	65									74	0,9	115	15,3	4,8	7,4
	0,40														1,2	153	20,4	4,8	7,4
	0,50														1,5	191	25,5	4,8	9,5
	0,63														1,9	241	32,1	4,8	9,5
	1,00														3,0	382	50,9	7,4	13,7

1 - The values are obtained considering system balanced at the 45%
2 - Data are subject to change without prior notice





static load
2000 kg


load
630 kg

speed
up to 1 m/s

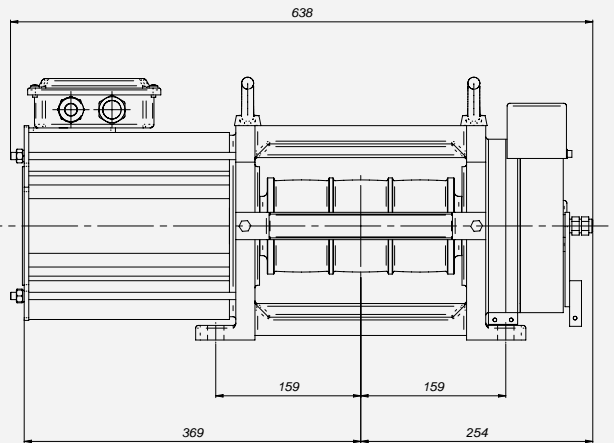
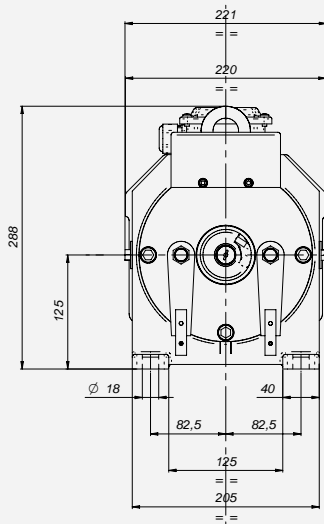
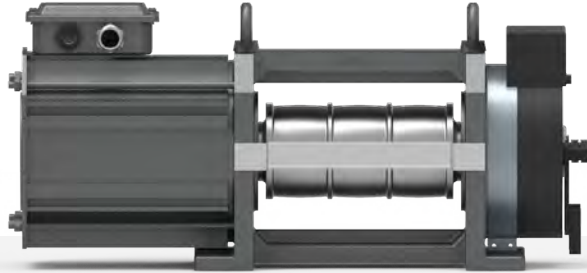
sheave
100 mm

weight
120 kg

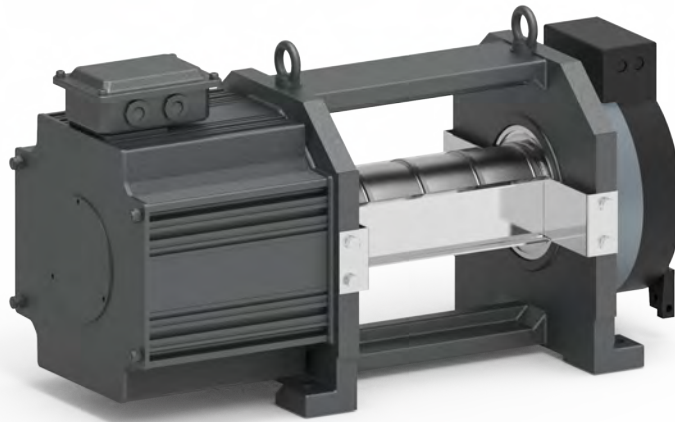
Encoder	Poles	Nominal Torque	IP Code	BELT		
				Width	min - max	Pitch
		Nm		mm	n°	mm
ECN 1313 ERN 1387	16	104 S5-40%	IP41	60	3	65
Brake						
[2x125Nm] - 154W - DC110V/1.4A						

2:1	Load		Sheave				Torque	Power	RPM	Freq.	Current 380V	Current 220V
			Ø	Width	n	Pitch						
	kg	m/s	mm	mm		mm	Nm	kW	RPM	Hz	A	A
630	0,30	100	60	3	65	104	1,2	115	15,3	5,0	8,7	
	0,40						1,7	153	20,4	5,0	8,7	
	0,50						2,1	191	25,5	7,0	11,9	
	0,63						2,6	241	32,1	7,0	11,9	
	0,75						3,1	286	38,2	8,7	16,9	
	1,00						4,1	382	50,9	8,7	16,9	

1 - The values are obtained considering system balanced at the 45%
2 - Data are subject to change without prior notice



MDG100



static load
2100 kg

load
1000 kg

speed
up to 1 m/s

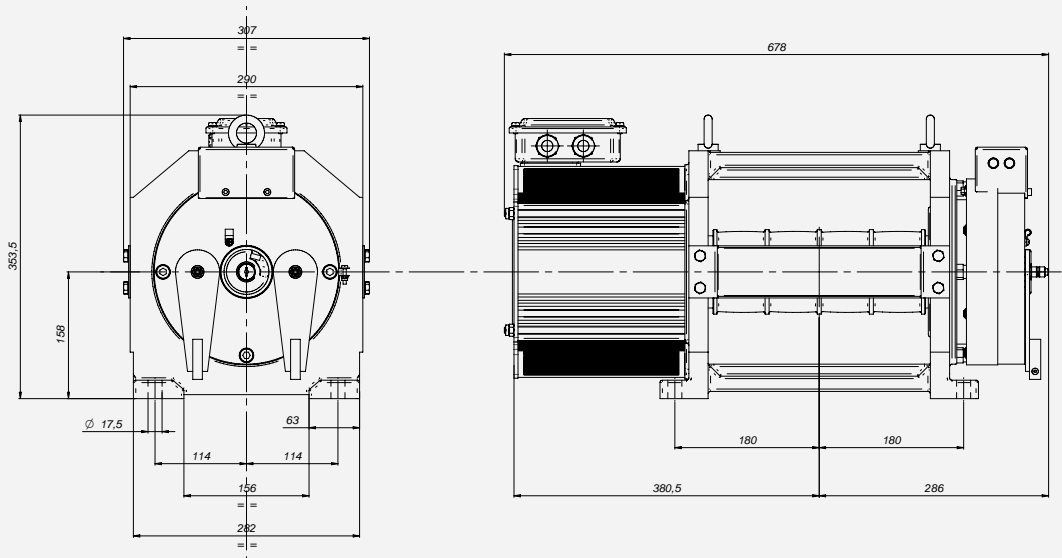
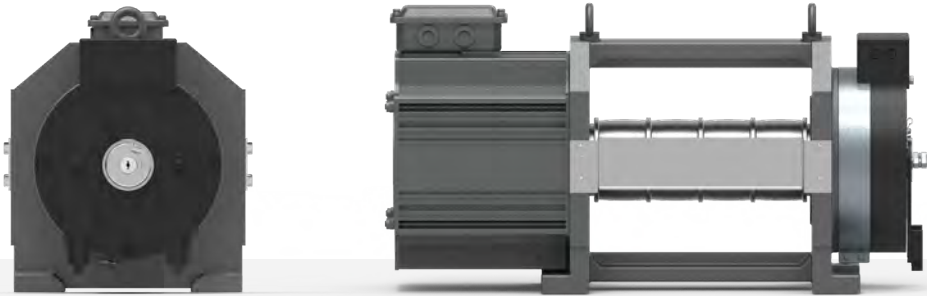
sheave
100 mm

weight
140 kg

Encoder	Poles	Nominal Torque	IP Code	BELT		
				Width	min - max	Pitch
		Nm		mm	n°	mm
ECN 1313 ERN 1387	16	164 S5-40%	IP41	60	4	65
Brake						
[2x200Nm] - 209W - DC110V/1.9A						

2:1	Load		Sheave				Torque	Power	RPM	Freq.	Current 380V	Current 220V
			Ø	Width	n	Pitch						
	kg	m/s	mm	mm		mm	Nm	kW	RPM	Hz	A	A
800	0,40	100	60	4	65	131	2,1	153	20,4	9,6	20,4	
	0,50						2,6	191	25,5	15,2	25,5	
	0,63						3,3	241	32,1	15,2	32,1	
	1,00						5,3	382	50,9	20,0	50,9	
1000	0,40	100	60	4	65	164	2,6	153	20,4	12,0	20,4	
	0,50						3,3	191	25,5	19,0	25,5	
	0,63						4,1	241	32,1	19,0	32,1	
	1,00						6,6	382	50,9	25,1	50,9	

1 - The values are obtained considering system balanced at the 45%
2 - Data are subject to change without prior notice



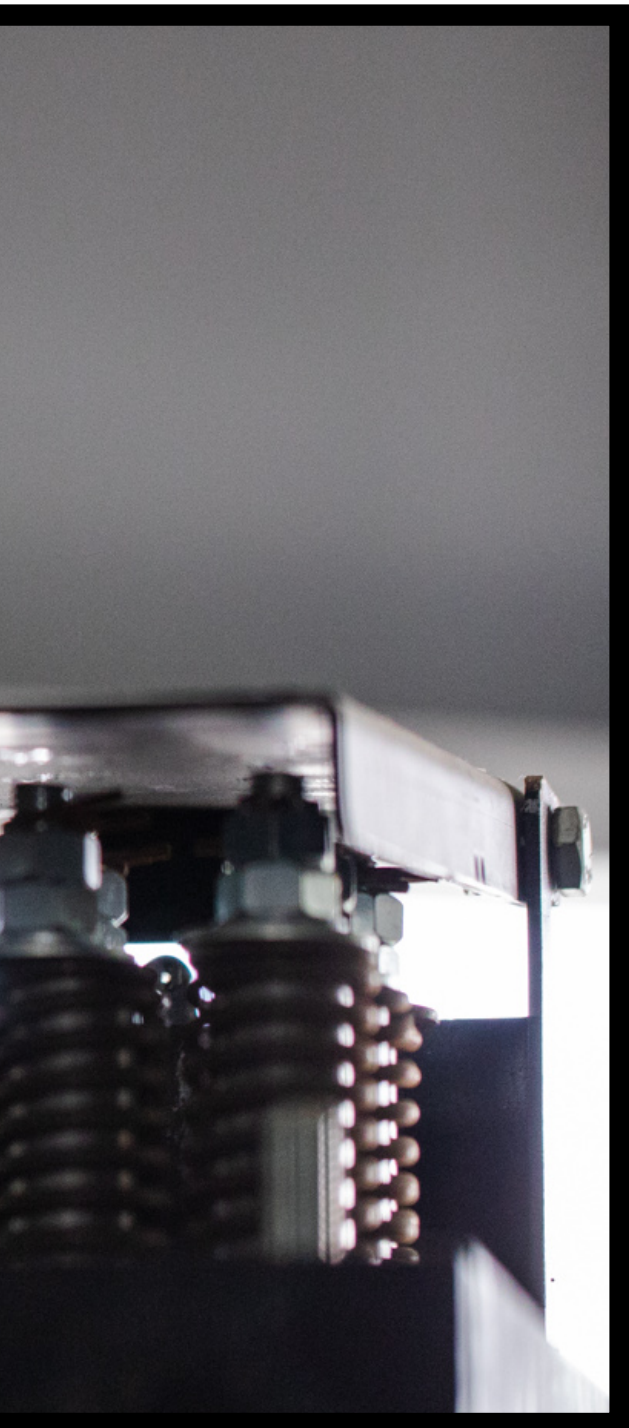


Montanari Group

GEARLESS&GEARBOX
TRACTION MACHINES

SAFETY





**SAFETY IS A PRIORITY.
WE START FROM THIS PREMISE
FOR THE PLANNING
OF EVERY MINIMUM DETAIL.**



TECHNICAL FEATURES

The speed governors manufactured by Montanari can be used for cabin or counterweight safety gears. Operation can be in both downward and upward direction. The choice of the desired model is possible from the selection table.

Different accessories are available depending on the model of speed governor:

- remote control;
- anticreeping;
- encoder;
- phonic wheel;
- protection cover.

GENERAL NOTES
Speed governors compliant with Directive 95/16/CE - 2014/33/UE.
Orders should specify operation speed V and tripping speed V1.
GROOVES
On request for all speed governors the >=50 HRC hardness heat-treated groove can be supplied.
ELECTROMAGNET
Characteristics for the remote control electromagnet (CR):
12 – 24 – 48 D.C. Volts, 230 A.C. Volts. ED 10%
CONTACT CHARACTERISTICS
Standard
Manual reset
AC 15 - 230V – 6A / DC 13 – 48V – 2A
OPTIONAL - IP65
Manual reset
AC15 – 230V – 4A

KEY TO SYMBOLS

Vn m/s	nominal speed
V1 m/s	tripping speed
BA	Type of base
	1 = standard
	3 = narrow
Ø PUL	pulley diameter
M	handside
	DX = right, SX = left
BD	bi-directional
CR	remote control
FC	limit switch
CT	contact type
	A: 1 standard elec. Contact
N	no
S	yes

On request speed governors can be supplied in other configurations apart from those illustrated in this catalogue.

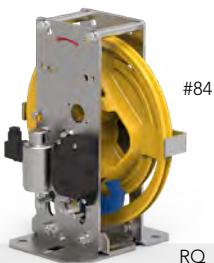


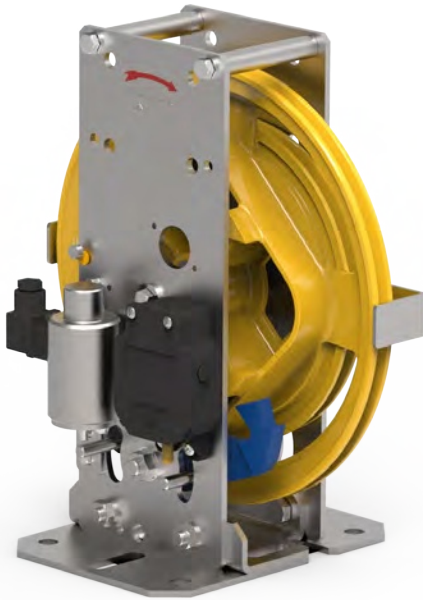
SPEED GOVERNORS

RANGE		RQ			RQ-A			NOR
MODEL		RQ200	RQ250	RQ300	RQ-A200	RQ-A250	RQA-300	NOR
SHEAVE DIAMETER	mm	200	250	300	200	250	300	300
ROPES	mm	6 - 6,5	6 - 8		6 - 6,5		6 - 6,5 - 8	6 - 8
TEST SHEAVE		YES			YES			YES
NOMINAL SPEED	m/sec	≤ 1,60	≤ 2,00	≤ 2,40	0,15 - 2,00	0,50 - 2,50	0,50 - 3,00	0,30 - 1,50
TRIPPING SPEED	m/sec	0,5 - 2	0,63 - 2,50	0,75 - 3	0,22 - 2,60	0,47 - 3,23	0,46 - 3,45	0,40 - 2,00
DRIVE SYSTEM		HARPOON			HARPOON			HARPOON
		MONO/BIDIRECTIONAL			MONO/BIDIRECTIONAL			MONODIRECTIONAL
BASE		STANDARD			STANDARD			STANDARD
BOLT HOLES PITCH CIRCLE	mm	130			170			219
BOLT SLOT PITCH CIRCLE	mm	163						-
BASE		NARROW			NARROW			-
BOLT HOLES PITCH CIRCLE	mm	132			132			

COMPONENTS					
REMOTE CONTROL		OPTIONAL		OPTIONAL	-
ENCODER		OPTIONAL		OPTIONAL	-
ANTICREEPING		OPTIONAL		OPTIONAL	-
COVER		OPTIONAL		OPTIONAL	
LIMIT SWITCH		-		-	-
PHONIC WHEEL		OPTIONAL		OPTIONAL	-

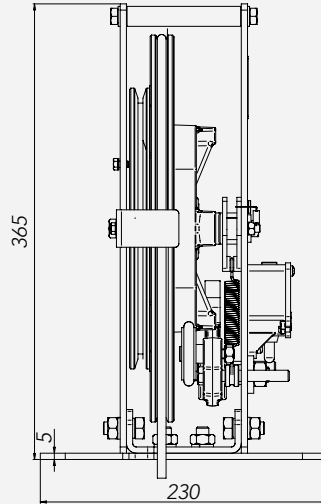
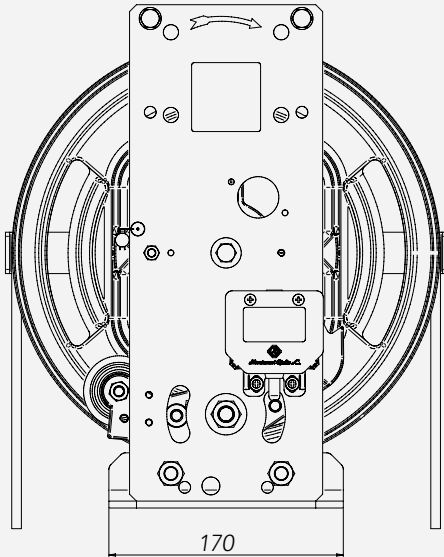
SPECIAL EXECUTION		RQ200	RQ250	RQ300	RQ-A200	RQ-A250	RQA-300	NOR
REDUCED HEIGHT		OPTIONAL	-	-	OPTIONAL	-	-	-
HANGING		OPTIONAL			OPTIONAL			
REDUCED HEIGHT/HANGING		OPTIONAL	-	-	OPTIONAL	-	-	



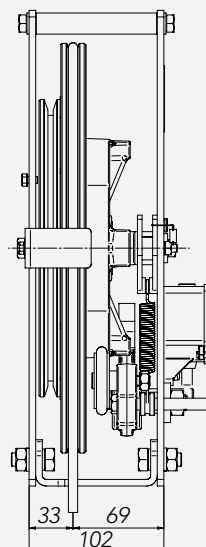
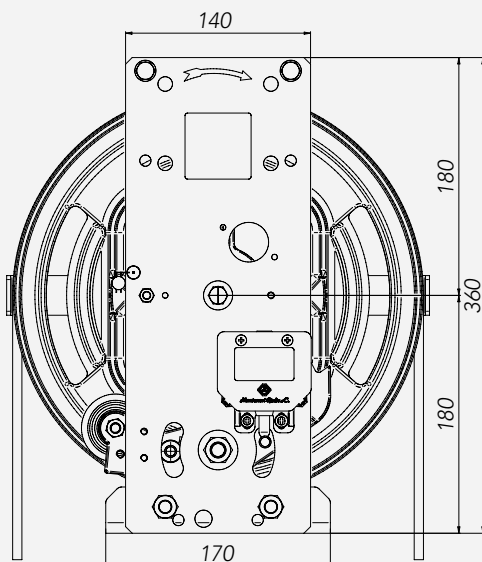
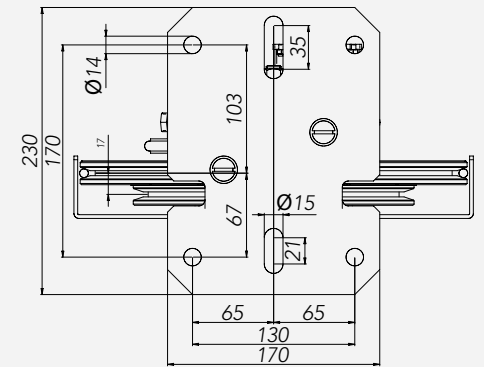


RQ	Vn	Ø Rope
mm	m/s	mm
200	≤ 1,60	6 - 6,5
250	≤ 2,00	6 - 8
300	≤ 2,40	6 - 8

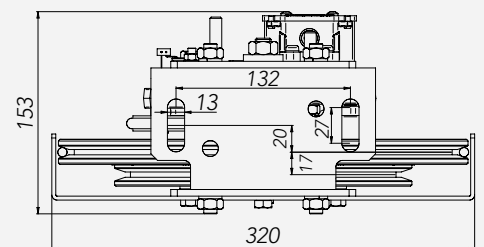
+
on request
anticreeping
encoder
remote control
phonic wheel

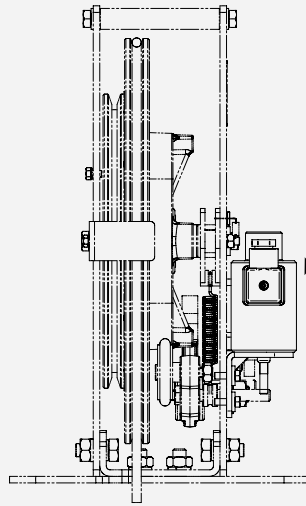
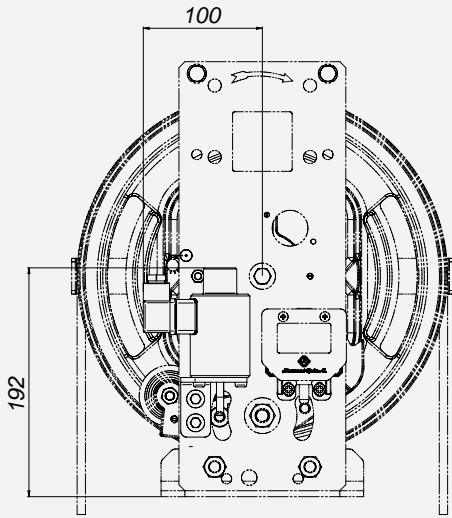


STANDARD BASE

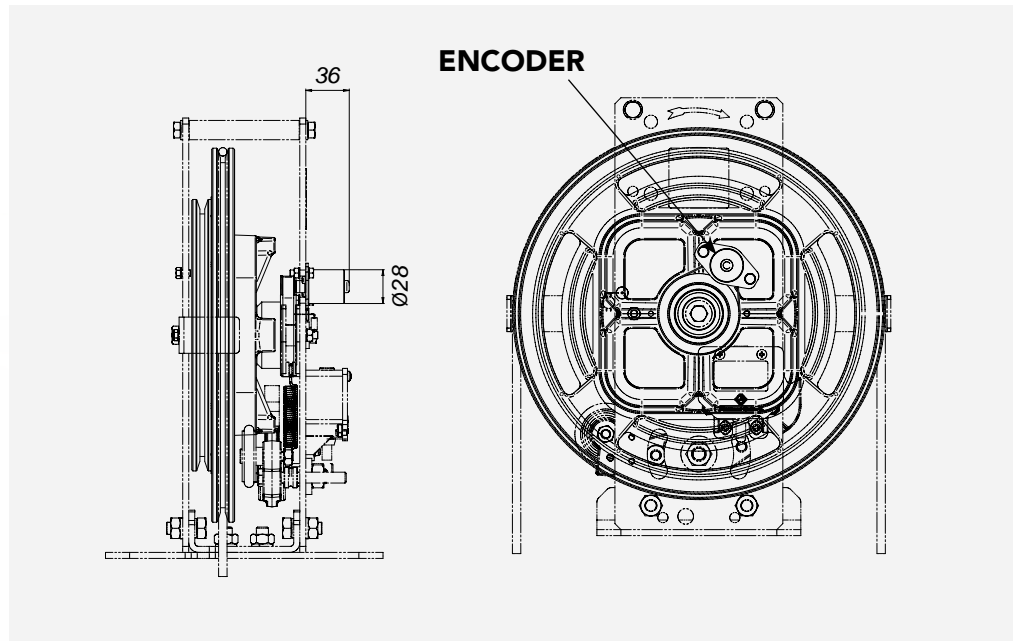
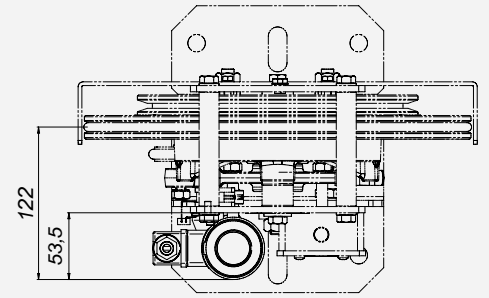


NARROW BASE

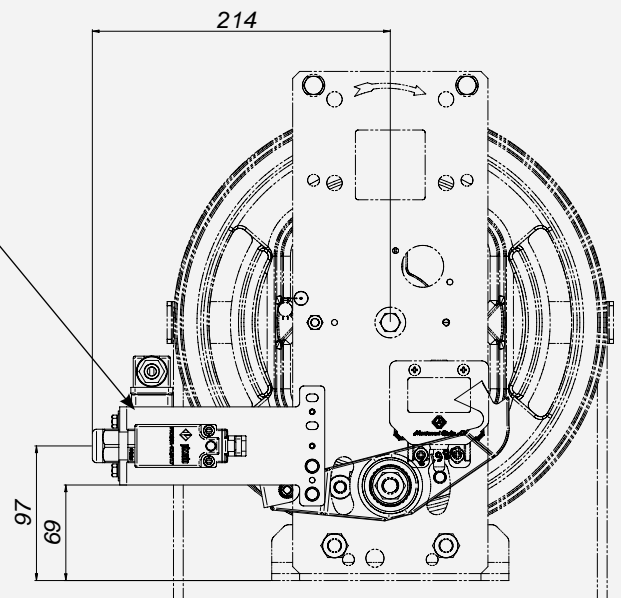
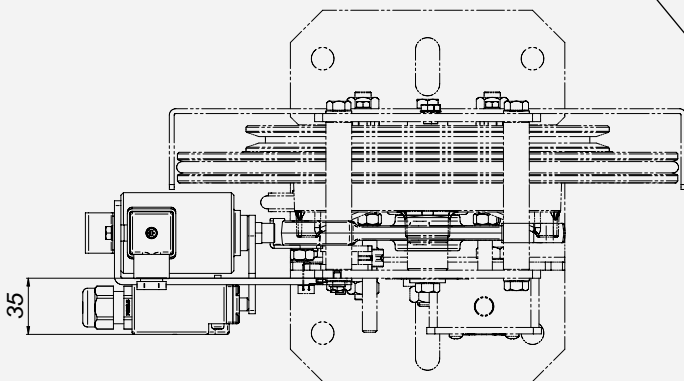




REMOTE CONTROL



ANTICREEPING



PHONIC WHEEL

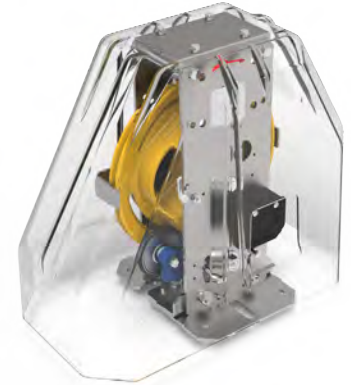
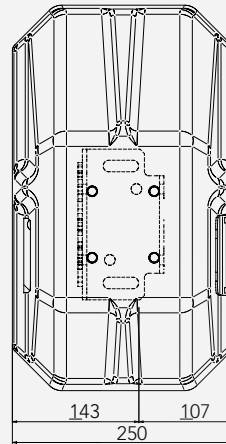
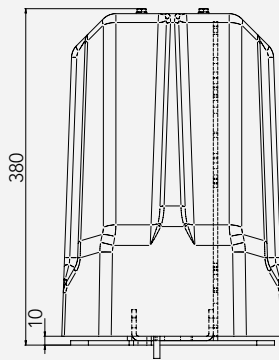
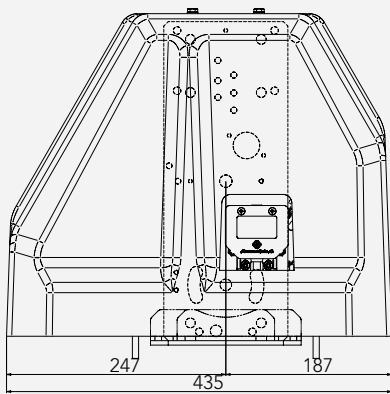


300mm

250mm

200mm

TECHNICAL FEATURES		
INDUCTIVE SENSOR		PNP
SUPPLY	Vdc	10-30 V
	IoutMAX	100 mA
RESOLUTION		10,5 mm/pulse
POSSIBILITY TO ADD A FURTHER SENSOR AT 90° FOR DIRECTION CONTROL		



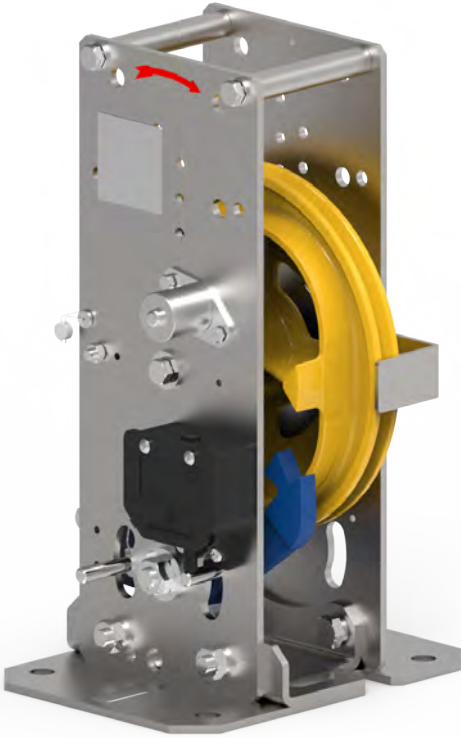
ART. PE0000521

ANTI-CREEPING - Electrical data

ARTICLE	ELECTROMAGNET	CONTACT OF ANTI-CREEPING	CONTACT OF THE SPEED-GOVERNOR
RQxxxxxx50xx3	12 Vdc 100% ED 0,95 A 20° C IP 41	1NC – 1NO AC-15, Ue/Ie 250 V / 6 A DC-15, Ue/Ie 24 V / 6 A IP67	Contact with manual reset 2NC, AC-15, Ue/Ie 400 V / 3 A 2NC, DC-13, Ue/Ie 24 V / 10 A IP54
RQxxxxxx51xx3	24 Vdc 100% ED 0,48 A 20° C IP 41		
RQxxxxxx52xx3	48 Vdc 100% ED 0,24 A 20° C IP 41		
RQxxxxxx59xx3	230 Vac 100% ED 0,06 A 10° C IP 41	1NC – 1NO AC-15, Ue/Ie 250 V / 6 A DC-15, Ue/Ie 24 V / 6 A IP67	Contact with electrical reset 2NC, DC-13, Ue/Ie 24 V / 6 A Electromagnet 24 V DC – 15% / + 10%, 4,2 A -15% 3% ED, IP67
RQxxxxxx51xx4	24 Vdc 100% ED 0,48 A 20° C IP 41		Contact with electrical reset 2NC, DC-13, Ue/Ie 24 V / 6 A Electromagnet 48 V DC – 15% / + 10%, 2,1 A -15% 3% ED, IP67
RQxxxxxx52xx4	48 Vdc 100% ED 0,24 A 20° C IP 41		
RQxxxxxx59xx4	230 Vac 100% ED 0,06 A 10° C IP 41		Contact with electrical reset 2NC, DC-15, Ue/Ie 250 V / 6 A Electromagnet 230 V AC – 15% / + 10%, 0,5 A -15% 3% ED, IP67

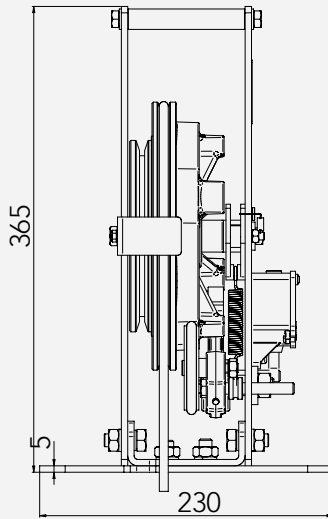
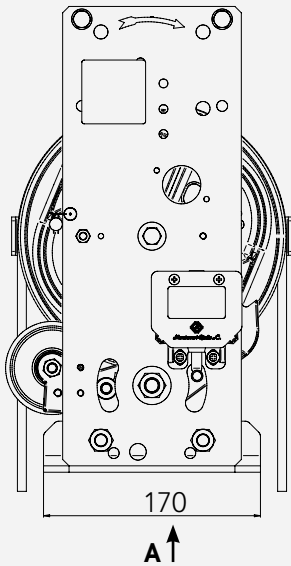
RQ	AAA	B	C	D	E	FF	GG	H
							<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>

AAA	200		Ø 200 mm
	250	PULLEY <input type="checkbox"/>	Ø 250 mm <input type="checkbox"/>
	300		Ø 300 mm
B	M	DRIVE SYSTEM	Monodirectional
	B		Bidirectional
C	D	TRIPPING CONFIGURATION	Clockwise
	S		AntiClockwise
D	0	BASE	Standard
	1		Narrow
E	0	Vn	< 1,60 m/s
	5		≥ 1,60 m/s
Optional			
FF	00	REMOTE CONTROL	NO
	01		12V DC
	02		24V DC
	03		48V DC
	10		230V AC
	50	ANTICREEPING	12V DC
	51		24V DC
	52		48V DC
59	230V AC		
GG	00	CONFIGURATION	NO
	01		Encoder standard
	05		Phonic wheel
H	0	OPTIONAL	Standard contact 1NC
	3		Contact with manual reset 2NC
	4		Contact with electrical reset 2NC
	C		Contact with automatic reset Vn ≤ 1,0 m/s - 2NC

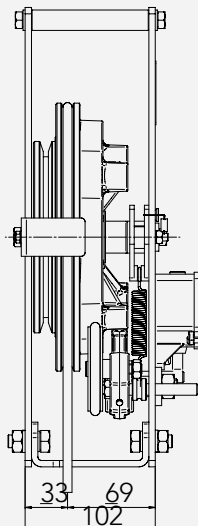
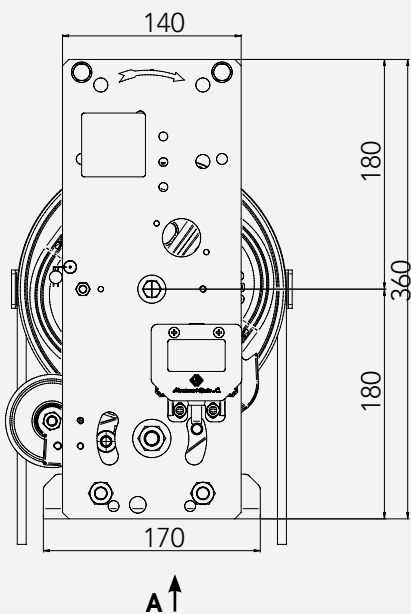
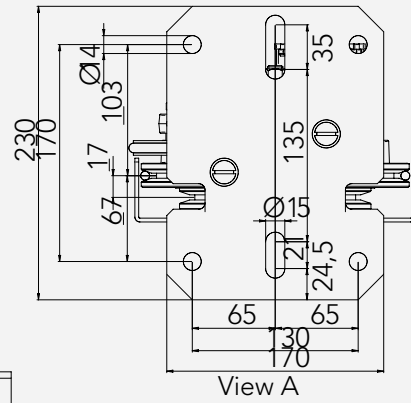


RQ-A	Vn		Ø Rope
	m/s		
mm	min	max	mm
200	0,15	≤ 2,00	6 - 6,5
250	0,30	≤ 2,50	6 ÷ 8
300	0,30	≤ 3,00	

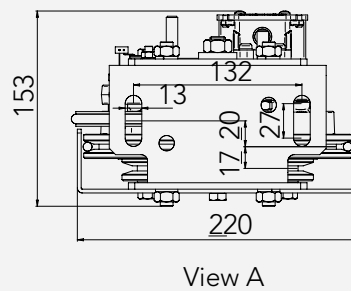
+
on request
anticreeping
encoder
remote control
phonic wheel



STANDARD BASE



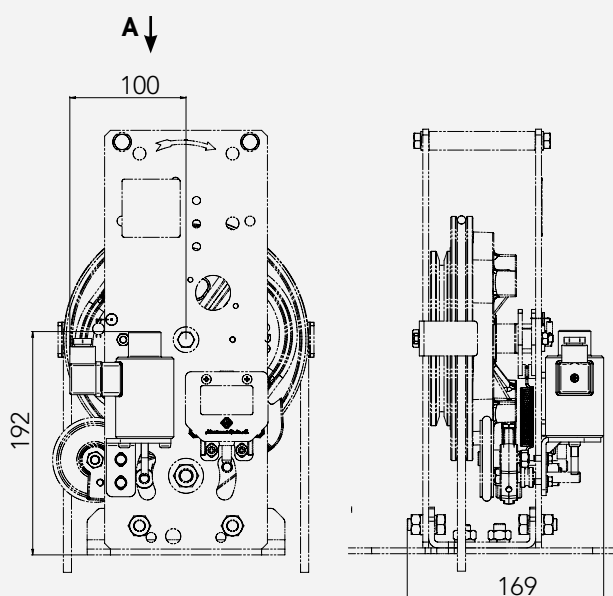
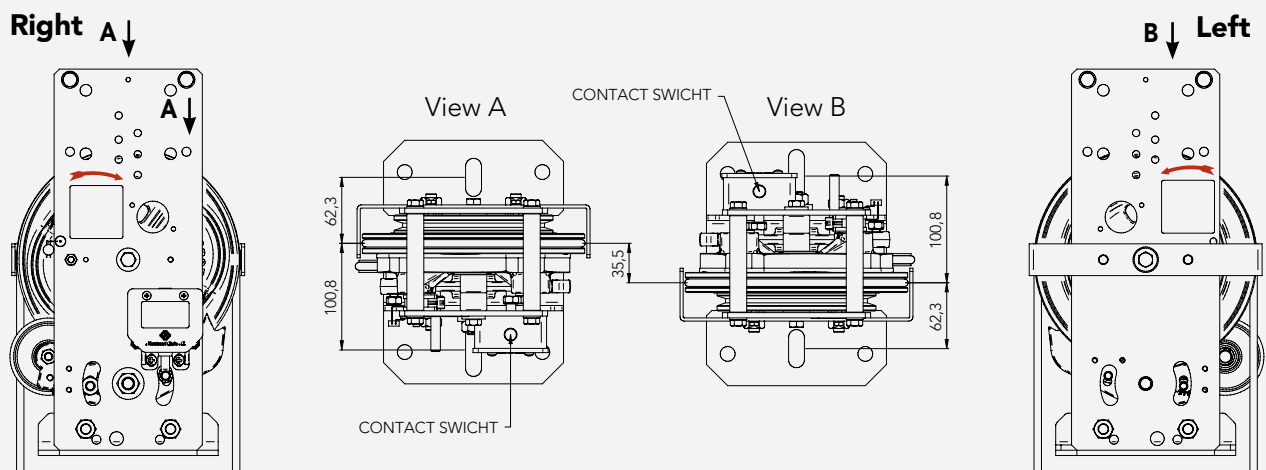
NARROW BASE



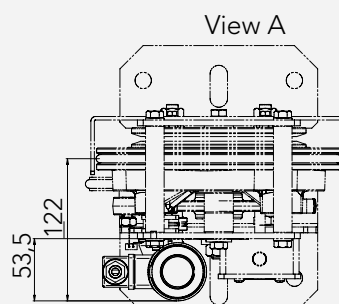
IMPORTANT

One way RQ-A: handside definition

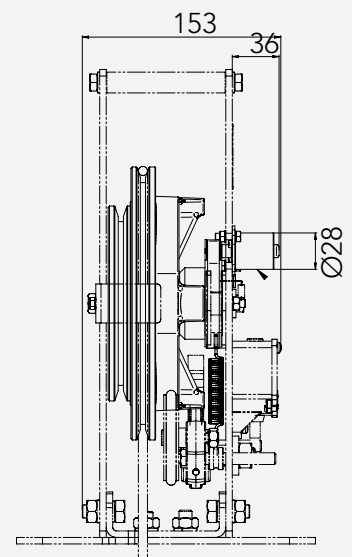
The arrow on the speed governor indicates the direction of intervention of the safety gear. In the right-hand one way configuration it is on the contact side while in the left-hand configuration it is on the opposite side. See the drawing below.



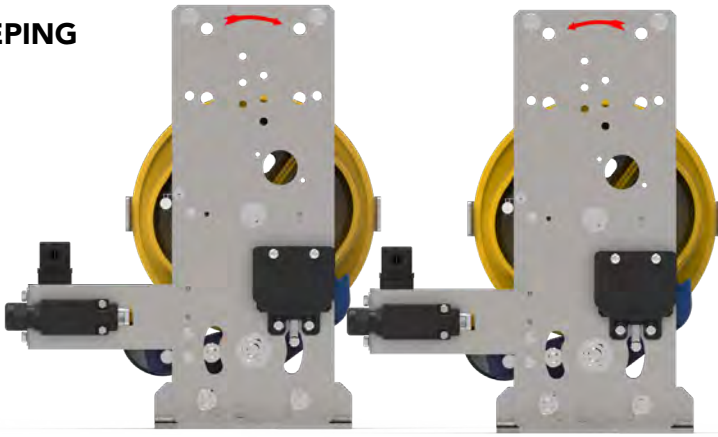
REMOTE CONTROL



ENCODER



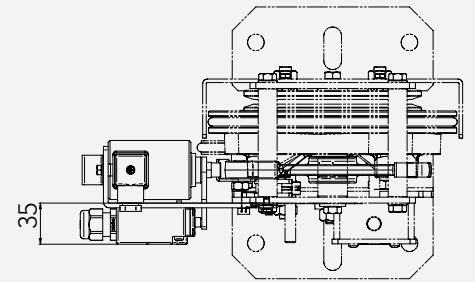
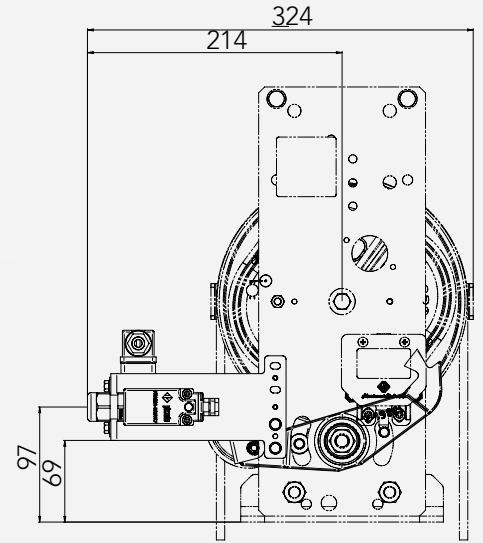
ANTICREEPING



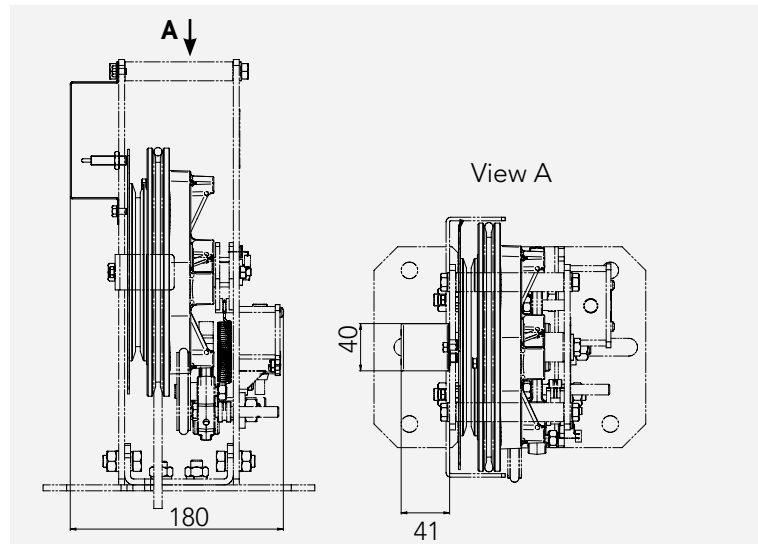
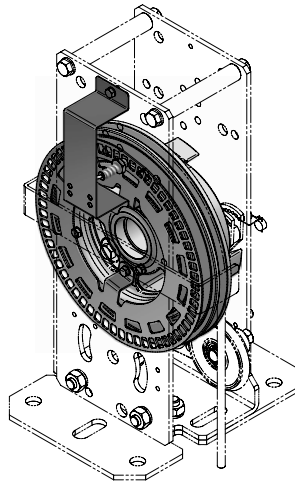
Only Bidirectional / Remote control included

Note: the downward direction of the safety gear is indicated by the arrow.


If due to space requirements it is necessary to install the speed governor rotated by 180 °, attention must be paid to the direction of the intervention.



PHONIC WHEEL

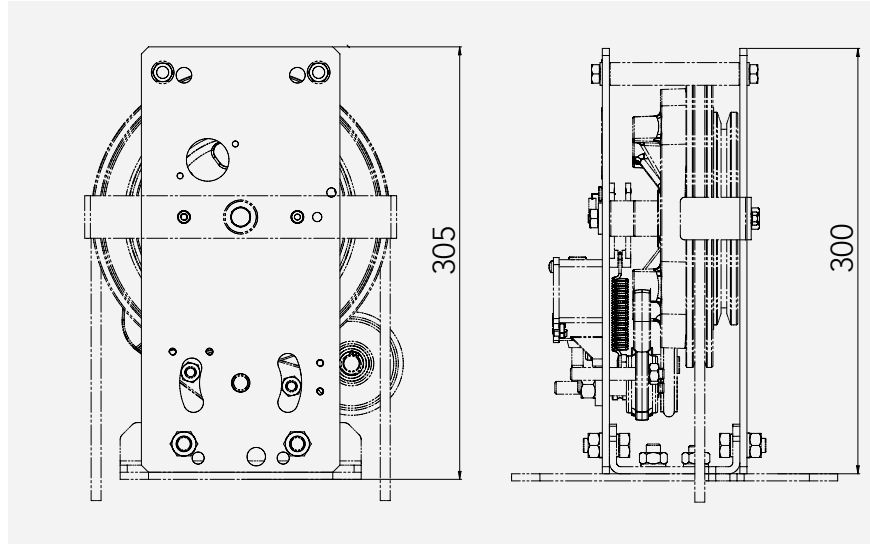
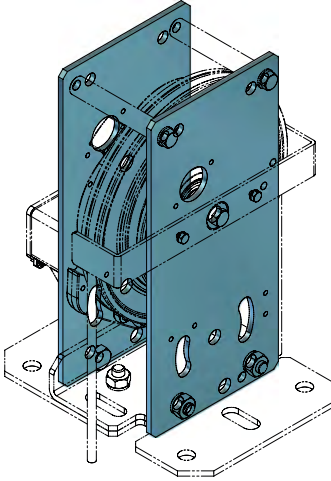


TECHNICAL FEATURES

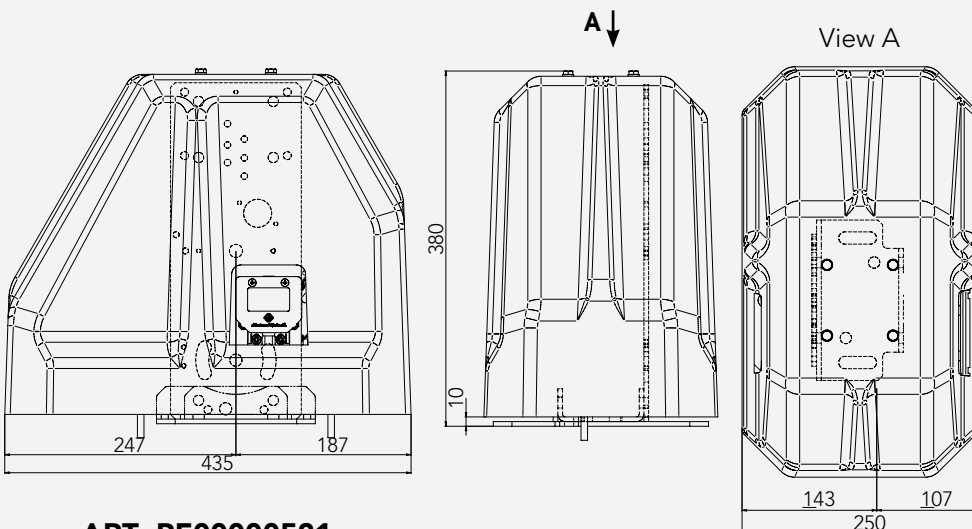
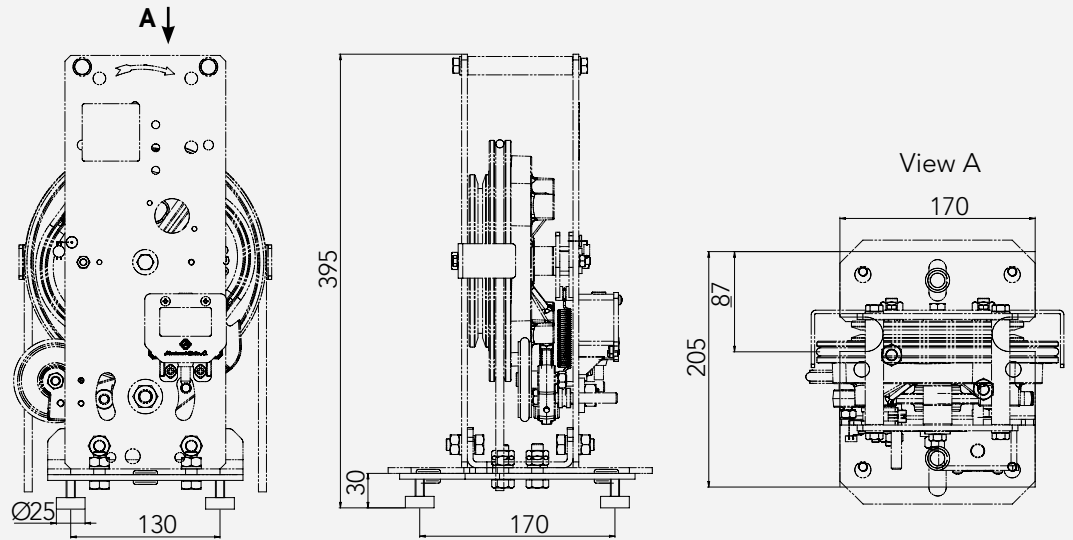
INDUCTIVE SENSOR		PNP
SUPPLY	Vdc	10-30 V
	IoutMAX	100 mA
RESOLUTION		10,5 mm/pulse
POSSIBILITY TO ADD A FURTHER SENSOR AT 90° FOR DIRECTION CONTROL		

LOWERED

Only for RQ-A200

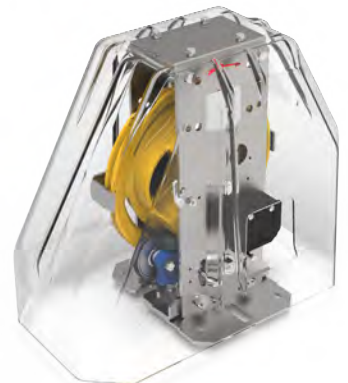


ANTIVIBRATION BASE



ART. PE0000521

COVER

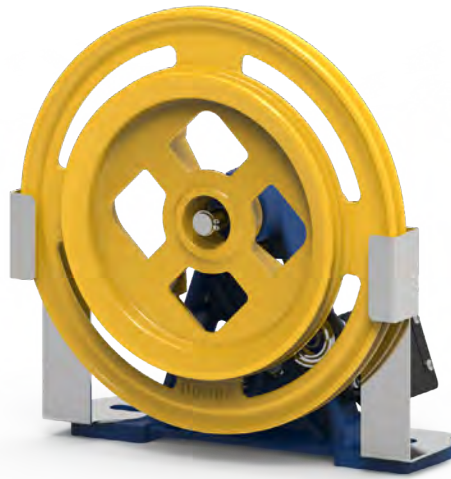


RQ	AA	B	C	D	E	FGH	I	L	0	A
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		

AA	20		Ø 200 mm	
	25	PULLEY	Ø 250 mm	
	30		Ø 300 mm	
B	0	PULLEY TREATMENT	Normal	
	1		Tempered	
C	0	TRIPPING CONFIGURATION	Bidirectional DX / Clockwise	
	1		Bidirectional SX / AntiClockwise	
	2		One Way DX / Clockwise	
	3		One Way SX / AntiClockwise	
D	0	BASE	Narrow	
	1		Standard	
E	2	CONTACT	2NC - IP4X : Manual Reset	
	3		2NC - IP 4X - V\leq1m/s : Automatic reset	
	4		1NC 12V IP4X : Electrical Reset	
	5		1NC 24V IP4X : Electrical Reset	
	6		1NC IP67 : Manual Reset	
	7		2NC 24V IP67 : Electrical Reset	
	8		2NC 48V IP67 : Electrical Reset	
	9		2NC 230V IP67 : Electrical Reset	
Optional				
F G H	000	REMOTE CONTROL	NO	
	100		12V DC	
	200		24V DC	
	300		48V DC	
	400		230V AC	
	011		ANTICREEPING	12V DC
	021			24V DC
	031			48V DC
	041			230V AC
	051			100V DC
			Only Bidirectional / Remote control included	
I	0	CONFIGURATION	Standard	
	1		Hanged	
	2		Lowered (H300mm/only for RQ-A200)	
L	0	ENCODER	NO	
	1		Encoder standard	
	4		Pred. Encoder (No Encoder)	
	7	PHONIC WHEEL	Without inductive sensor	
	8		With inductive sensor	

ANTI-CREEPING - Electrical data

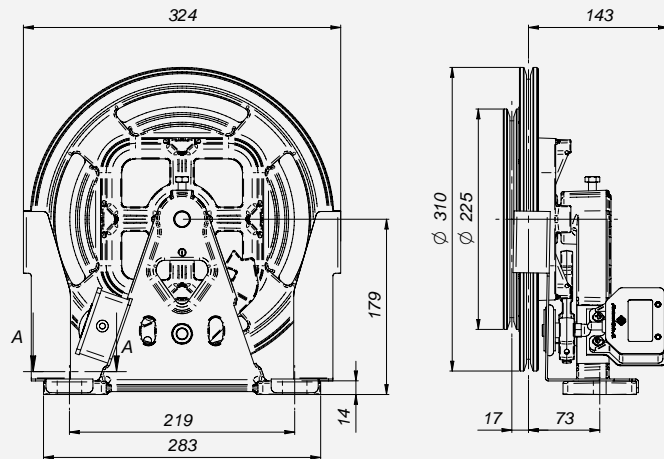
ARTICLE	ELECTROMAGNET	CONTACT OF ANTI-CREEPING	CONTACT OF THE SPEED-GOVERNOR
RQxxxxx2x11xxxA	12 Vdc 100% ED 0,95 A 20° C IP 41	1NC – 1NO AC-15, Ue/Ie 250 V / 6 A DC-15, Ue/Ie 24 V / 6 A IP67	Contact with manual reset 2NC, AC-15, Ue/Ie 400 V / 3 A 2NC, DC-13, Ue/Ie 24 V / 10 A IP54
RQxxxxx2x21xxxA	24 Vdc 100% ED 0,48 A 20° C IP 41		
RQxxxxx2x31xxxA	48 Vdc 100% ED 0,24 A 20° C IP 41		
RQxxxxx2x41xxxA	230 Vac 100% ED 0,06 A 10° C IP 41		
RQxxxxx7x21xxxA	24 Vdc 100% ED 0,48 A 20° C IP 41	1NC – 1NO AC-15, Ue/Ie 250 V / 6 A DC-15, Ue/Ie 24 V / 6 A IP67	Contact with electrical reset 2NC, DC-13, Ue/Ie 24 V / 6 A Electromagnet 24 V DC – 15% / + 10%, 4,2 A -15% 3% ED, IP67
RQxxxxx8x31xxxA	48 Vdc 100% ED 0,24 A 20° C IP 41		Contact with electrical reset 2NC, DC-13, Ue/Ie 24 V / 6 A Electromagnet 48 V DC – 15% / + 10%, 2,1 A -15% 3% ED, IP67
RQxxxxx9x41xxxA	230 Vac 100% ED 0,06 A 10° C IP 41	1NC – 1NO AC-15, Ue/Ie 250 V / 6 A DC-15, Ue/Ie 24 V / 6 A IP67	Contact with electrical reset 2NC, DC-15, Ue/Ie 250 V / 6 A Electromagnet 230 V AC – 15% / + 10%, 0,5 A -15% 3% ED, IP67



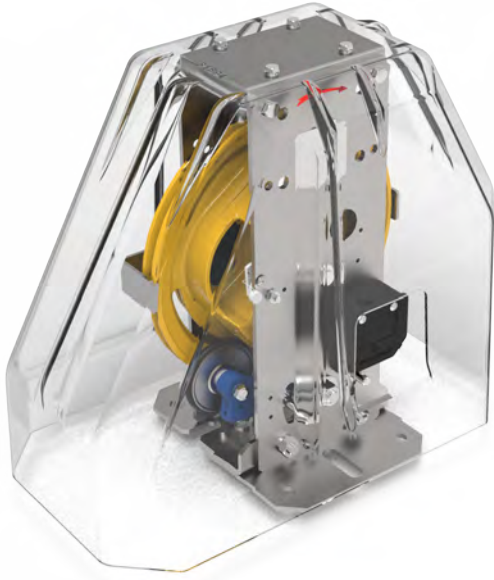
Metal Sheet protection on request.

Speed governor with pulley dia. 300 mm and test groove, one-way or bidirectional. TÜV approved according to Directive 95/16/CE - 2014/33/UE. Rated speed up to 1,50 m/s. Available also with protection upon request.

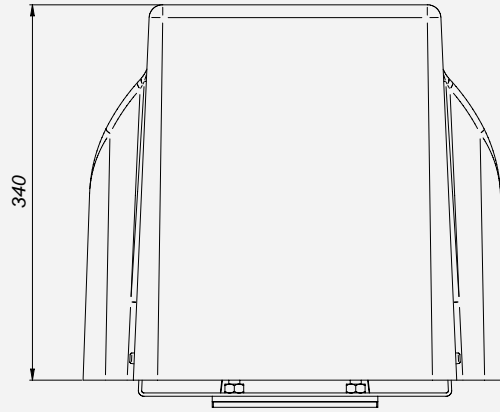
Features		Vn	
		0,30 - 0,44	0,45 - 1,50
One way	Right side	AC0001040E	AC00010400
	Left side	AC0001050E	AC00010500



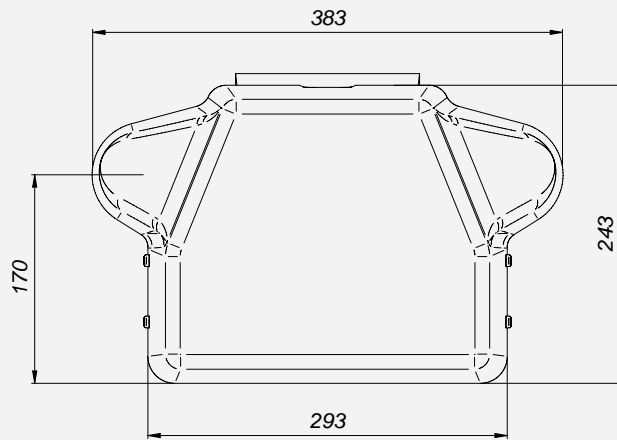
HANDSIDE DX



ART. PE00000521



ART. PE00000176
 ART. PE00000178
 ART. PE00000179



Mod.	Art.
NOR	PE00000179
RQ/RQ-A	PE00000521

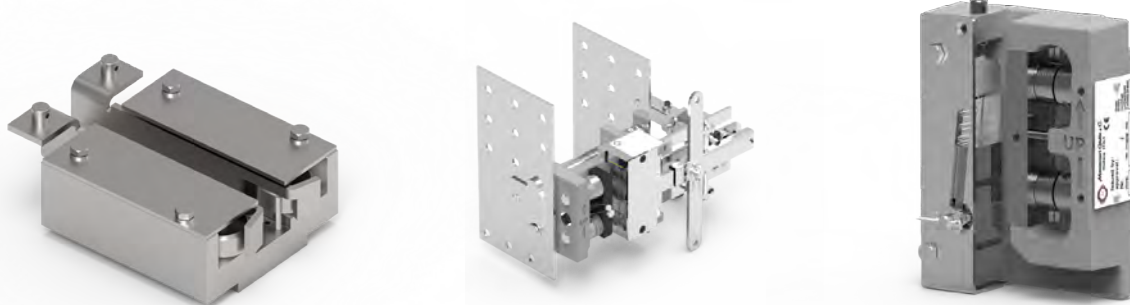


Montanari Group

GEARLESS&GEARBOX
TRACTION MACHINES

Safety Gears





Montanari produces a wide range of safety gear units compliant with Directive 95/16/CE - 2014/33/EU Type-examination certificate available:

- instantaneous safety gears;
- one-way progressive safety gears (downwards);
- two-way progressive safety gears (upwards/downwards).

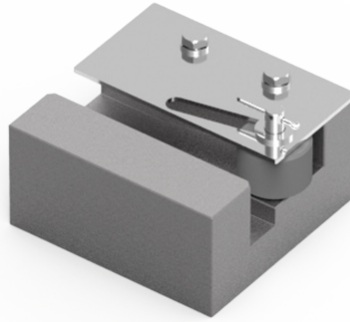
KEY TO SYMBOLS

P	Cabin mass including accessories
Q	Capacity
V	Cabin speed
V1	Tripping speed
H	Guide-rail tickness
TOS	Dry and lubed drawn guides
TO	Drawn and lubed guides
TS	Drawn and non lubed drawn guides
LOS	Dry and lubed machined guides
LO	Machined and lubed guides
LS	Machined and non - lubed guides
SF	Ascending brake force
Bil	Balance factor (0.5 = 50%)
g	Acceleration by force of gravity
dec	Deceleration by ascending brake force (dec <= g)

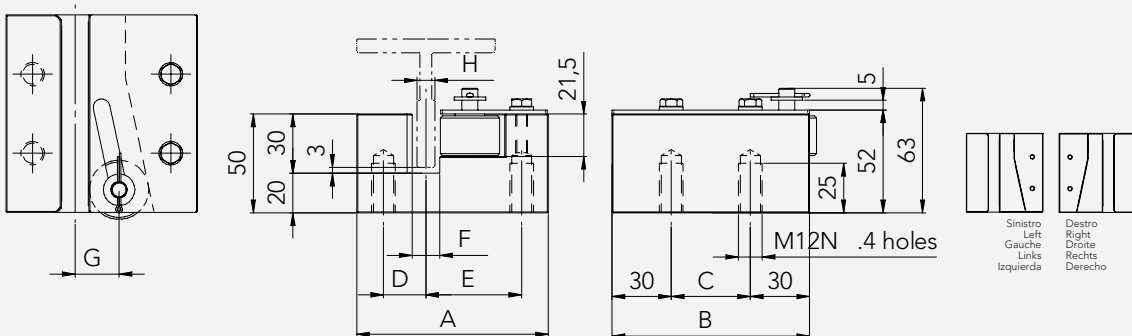
TAB282.2 - INSTANTANEOUS

TYPE	V m/s	H mm	ART.	A	B	C	D	E	F	G
PL50	0,63	8	AC00000874	97	100	40	21.5	48.5	14	22
		9	AC00000875							
		10	AC00000876							

V1		PL50	
		H	
		8-9 mm	10 mm
Counterweight	Cabin	m/s	P + Q max kg
		0,1	1647 1983
		0,2	1628 1960
		0,3	1597 1923
		0,4	1556 1873
		0,5	1506 1812
		0,6	1449 1744
		0,7	1387 1670
		0,8	1322 1591
		0,9	1255 1511
		1,0	1188 1430
		1,1	1122 1350
		1,2	1057 1272
		1,32	983 1183
		1,5	879 1058
1,65	800 963		



PL50

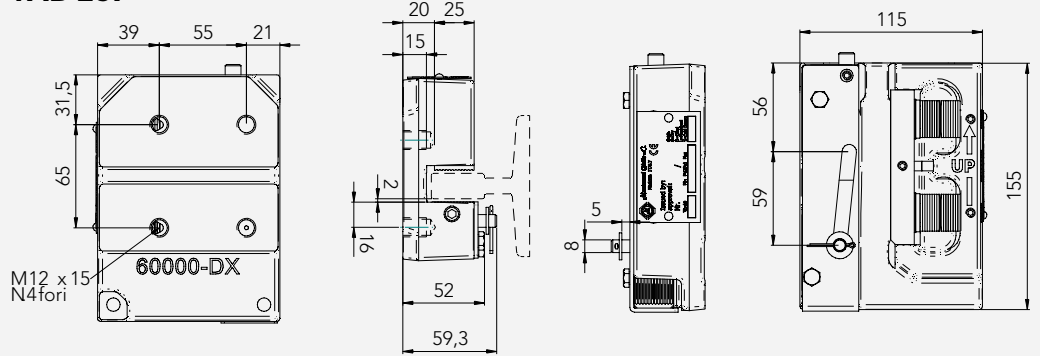


TAB	ART.	H mm	Vn m/s	V1 m/s	P + Q max kg
287	AC00001502	11 - 16	2	2,88	LS 582 - 4300 LO 635 - 4190 TS 638 - 3469 TO 626 - 2813
	AC00001503	7 - 10			
287.1	AC00001508	11 - 16			
	AC00001509	7 - 10			

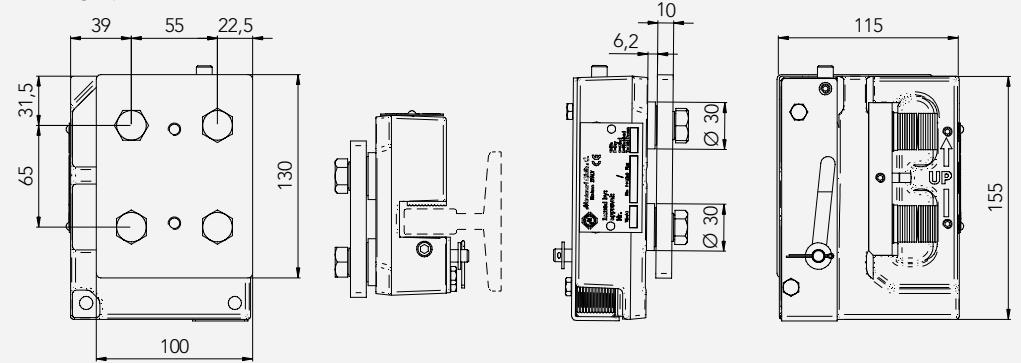
Suitable for cantilevered frames



TAB 287

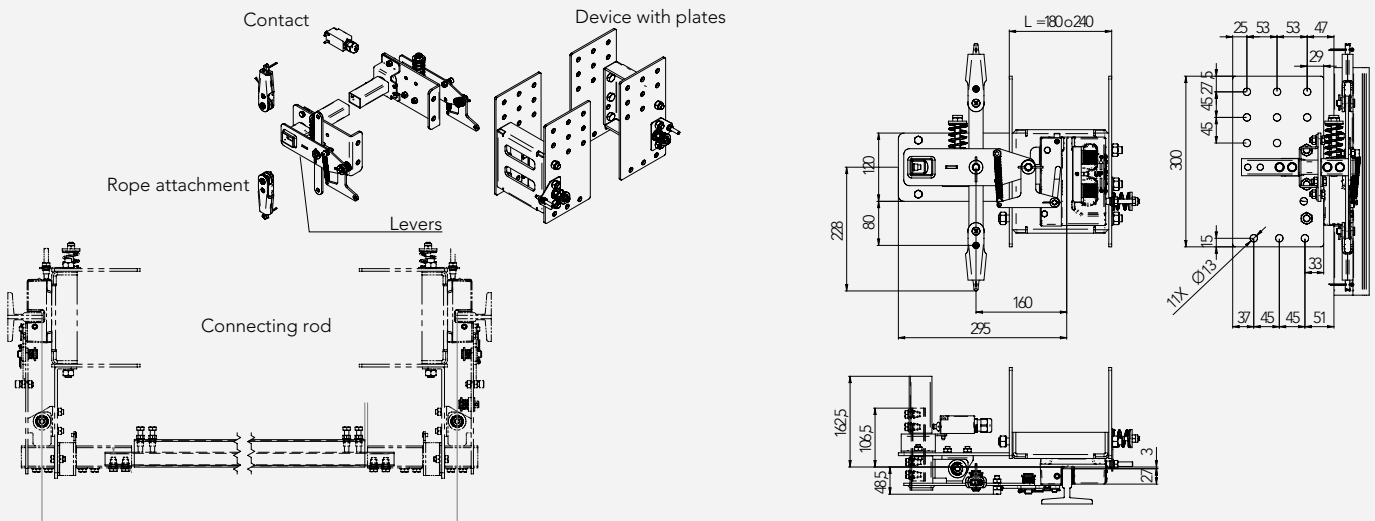


TAB 287.1

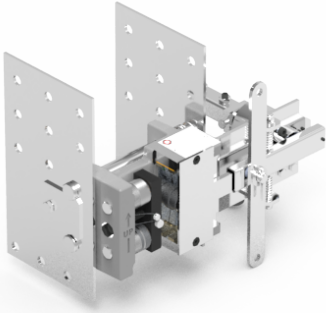


Suitable for standard frames

TAB287 - 287.1 - OPTIONAL		
Device with plates	AC00001504	L = 180 mm
	AC00001505	L = 240 mm
Group of levers	AC00001500	L = 180 mm
	AC00001501	L = 240 mm
Connecting rod	AC00000361	800 <= DBG <= 1150
	AC00000362	1150 <= DBG <= 1800
	AC00000363	1800 <= DBG <= 2150
Contact with manual reset	AC00001506	Pizzato FR17A3-K15
Contact with automatic reset	AC00001507	Pizzato FR6A1-C1 CPL
Rope attachment	AV90000486	Ø 5 - 6.5 mm
	AV90000545	Ø 6 - 8 mm

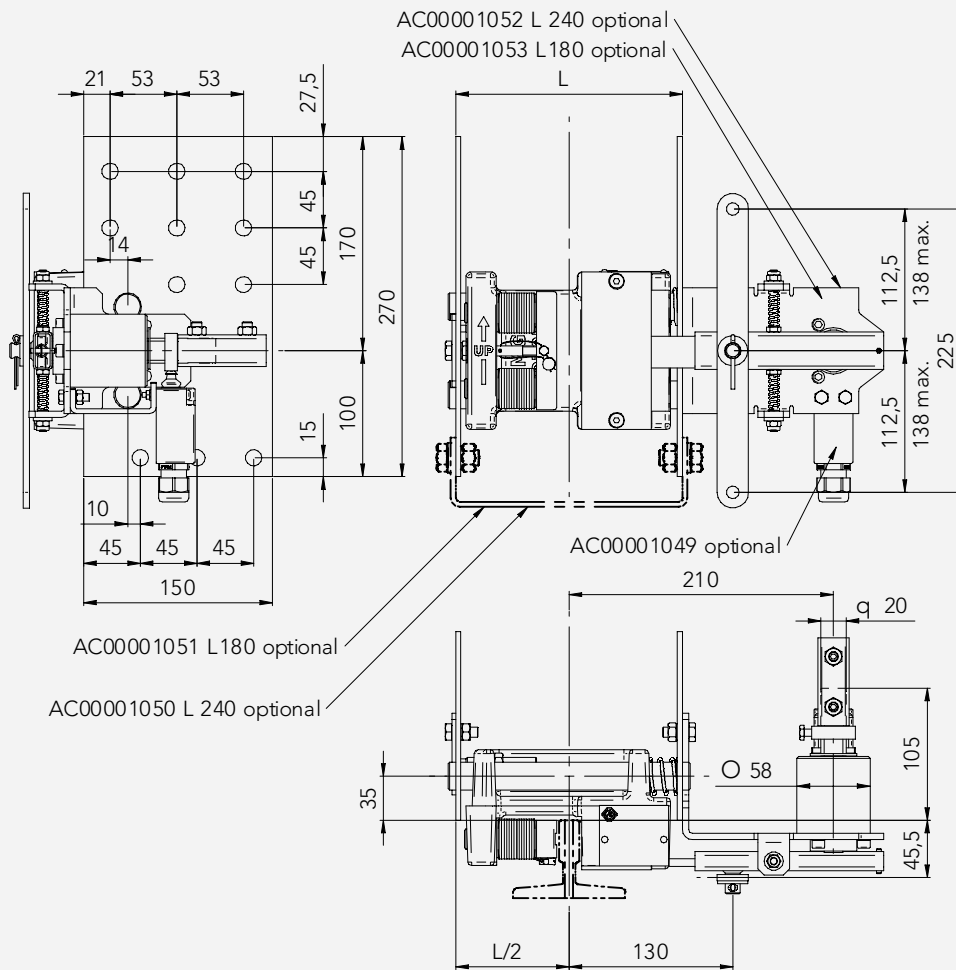


TAB283.10 - 12
TWO-WAY PROGRESSIVE

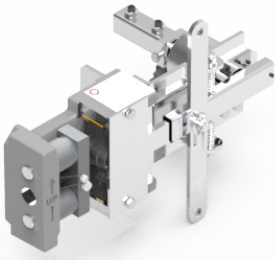


Suitable for standard frames

TYPE	L	ART	P + Q max kg	SF N	V m/s	V1 m/s	H mm
PPR25BD	180	AC00001054	TO 568 - 3002 TS 605 - 2864 LO 716 - 2561 LS 601 - 2919	8916 ÷ 47124 9495 ÷ 44948 11234 ÷ 40202 9441 ÷ 45820	2,29	2,63	8 - 16
	240	AC00001055					
PPR40BD	180	AC00001089	TO 3002 - 3997 TS 2865 - 4009 LO 2562 - 4662 LS 2920 - 4638	8916 ÷ 47124 9495 ÷ 44948 11234 ÷ 40202 9441 ÷ 45820	2,29	2,63	8 - 16
	240	AC00001090					

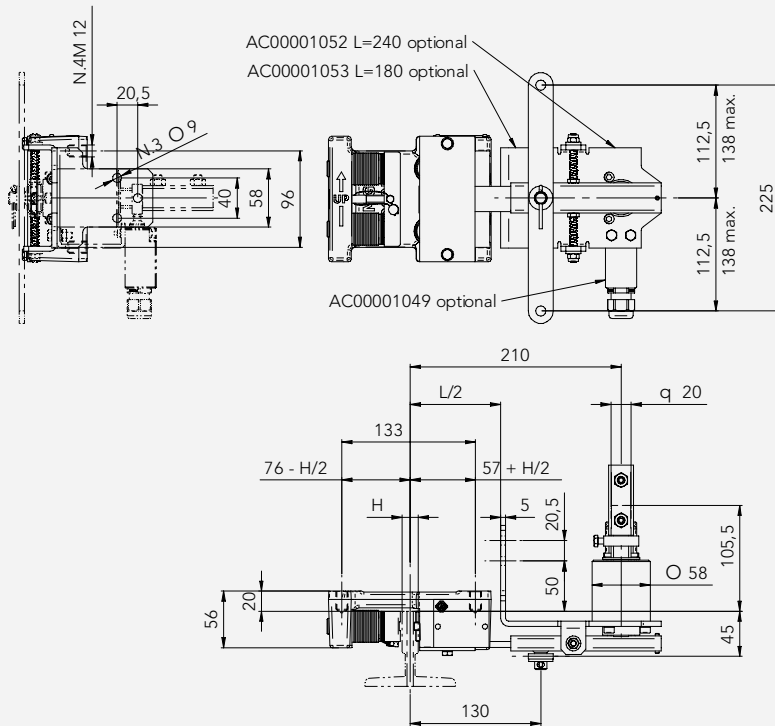


TAB283.11 - 13
TWO-WAY PROGRESSIVE



Suitable for cantilevered frames

TYPE	L	ART	P + Q max kg	SF N	V m/s	V1 m/s	H mm
PPR25BD	90/120	AC00001056	TO 568 - 3002 TS 605 - 2864 LO 716 - 2561 LS 601 - 2919	47124 ÷ 62735 44949 ÷ 62921 40203 ÷ 73173 45821 ÷ 72790	2,29	2,63	8 - 16
PPR40BD	-	AC00001091	TO 3002 - 3997 TS 2865 - 4009 LO 2562 - 4662 LS 2920 - 4638	47124 ÷ 62735 44949 ÷ 62921 40203 ÷ 73173 45821 ÷ 72790			



OPTIONAL TAB283.10-11-12-13

Electrical contact for safety gears	PPR25BD	AC00001049
Adapter for sliding shoe, safety gear	PPR25BD Tab. T.283.10 L = 240	AC00001050
	PPR25BD Tab. T.283.10 L = 180	AC00001051
Group of levers for safety gear type	PPR25BD Tab. T.283.10 L=240 Tab. T.283.11 L=120	AC00001052
	PPR25BD Tab. T.283.10 L=180 Tab. T.283.11 L=90	AC00001053
Connecting rod	AC00001099	800 ≤ DBG ≤ 1200
	AC00001100	1200 < DBG ≤ 1600
	AC00001101	1600 < DBG ≤ 2150
Rope attachment	AV90000486	Ø 6 - 6.5 mm

Calculation check to determine SF braking force required for ascent:

$$SF = (2 \times P + Bil \times Q) \times dec + Bil \times Q \times g$$



Montanari Group

GEARLESS&GEARBOX
TRACTION MACHINES

COMPONENTS



Italian Management and manufacturing plant.
Modena - Italy: view of the testing tower shaft.



**NEVER NEGLECT
THE DETAILS
TO GET
GREAT RESULTS.**



Diverting Pulleys



Diverting pulleys are available in different configurations and can be supplied with or without shaft and brackets. The maximum load specified shall be understood as a static load, while assessments of duration can be performed only knowing operating conditions, load and speed on the pulley. Pulleys with different features are available upon request (pitch, \varnothing ropes, grooves no. and load).

WITHOUT SHAFT



WITH SHAFT

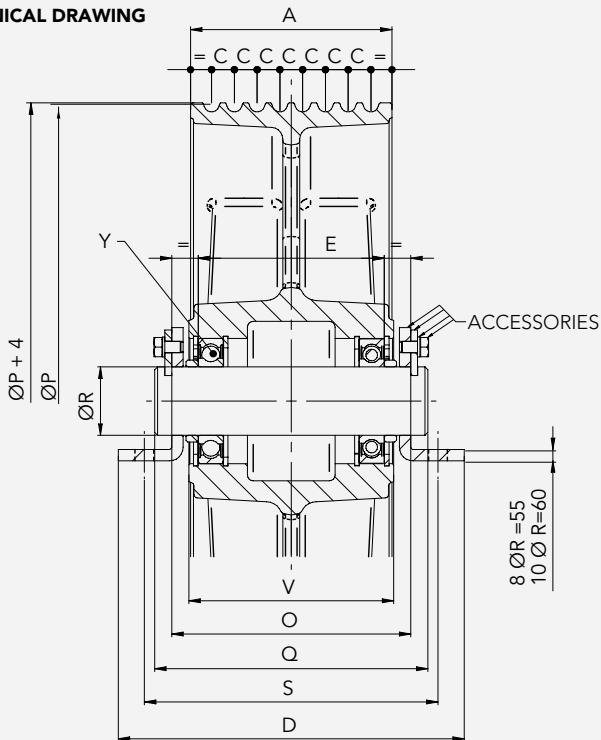


WITH KEEPER BRACKETS

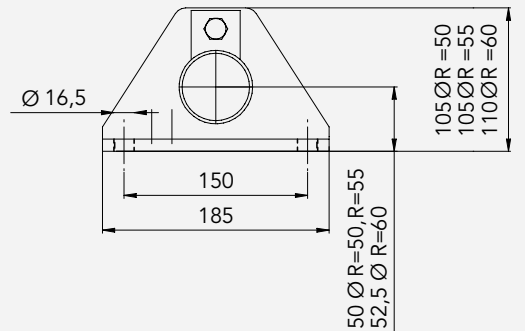


PULLEY CONFIGURATION			Pulley Diameter	Mount. Hole C.D.	Mount Bracket EZE Distance	Shaft Groove Distance	Shaft Length	Shaft Diam.	No. Of Grooves	Rope Diam.	Face Width	Bearing EZE Distance	Pitch	Bearing Hub Width	Bearing Used	Max. Load						
WITH SHAFT	WITHOUT SHAFT	WITH KEEPER BRACKETS	P	S	D	O	Q	R	G	B	A	E	C	V	Y							
			mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm		daN (kg)						
PS02411090	PS02400090	PS02413090	240	184	224	150	170	50	5	6,5	90	81	12	95	6210	1800						
PS02411091	PS02400091	PS02413091		224	264	190	210															
PS02411092	PS02400092	PS02413092		264	304	230	250															
PS02411093	PS02400093	PS02413093		184	224	150	170															
PS02411094	PS02400094	PS02413094		224	264	190	210															
PS02411095	PS02400095	PS02413095		264	304	230	250															
PS02411096	PS02400096	PS02413096		184	224	150	170															
PS02411097	PS02400097	PS02413097		224	264	190	210															
PS02411098	PS02400098	PS02413098		264	304	230	250															
PS02411099	PS02400099	PS02413099		184	224	150	170															
PS02411100	PS02400100	PS02413100		224	264	190	210															
PS02411101	PS02400101	PS02413101		264	304	230	250															
PS03211189	PS03200189	PS03213189		320	184	224	150		170		55	4		8			77	82	17	96	6011	2100
PS03211190	PS03200190	PS03213190			224	264	190		210													
PS03211191	PS03200191	PS03213191			264	304	230		250													
PS03211140	PS03200140	PS03213140	184		224	150	170															
PS03211192	PS03200192	PS03213192	224		264	190	210															
PS03211193	PS03200193	PS03213193	264		304	230	250															
PS03211141	PS03200141	PS03213141	184		224	150	170															
PS03211194	PS03200194	PS03213194	224		264	190	210															
PS03211195	PS03200195	PS03213195	264		304	230	250															
PS03211196	PS03200196	PS03213196	184		224	150	170															
PS03211197	PS03200197	PS03213197	224		264	190	210															
PS03211198	PS03200198	PS03213198	264		304	230	250															
PS03211199	PS03200199	PS03213199	224		264	190	210															
PS03211200	PS03200200	PS03213200	264		304	230	250															
PS03211201	PS03200201	PS03213201	184		224	150	170															
PS03211202	PS03200202	PS03213202	224	264	190	210																
PS03211203	PS03200203	PS03213203	264	304	230	250																
PS03211204	PS03200204	PS03213204	224	264	190	210																
PS03211205	PS03200205	PS03213205	264	304	230	250																
									8		154	144	17	158	6211	5000						
									8		113	104	12	118	6011	2100						
											154	144	17	158	6211	5000						

TECHNICAL DRAWING



SUPPORT TECHNICAL DRAWING



PULLEY CONFIGURATION			Pulley Diameter	Mount. Hole C.D.	Mount Bracket EZE Distance	Shaft Groove Distance	Shaft Length	Shaft Diam.	No. Of Grooves	Rope Diam.	Face Width	Bearing EZE Distance	Pitch	Bearing Hub Width	Bearing Used	Max. Load	
WITH SHAFT	WITHOUT SHAFT	WITH KEEPER BRACKETS	P	S	D	O	Q	R	G	B	A	E	C	V	Y		
			mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm		daN (kg)	
PS04011268	PS04000268	PS04013268	400	184	224	150	170	55	3	10	75	82	17	96	6011	2100	
PS04011269	PS04000269	PS04013269		224	264	190	210										
PS04011270	PS04000270	PS04013270		264	304	230	250										
PS04011271	PS04000271	PS04013271		184	224	150	170										
PS04011272	PS04000272	PS04013272		224	264	190	210										
PS04011273	PS04000273	PS04013273		264	304	230	250										
PS04011263	PS04000263	PS04013263		184	224	150	170										
PS04011274	PS04000274	PS04013274		224	264	190	210										
PS04011275	PS04000275	PS04013275		264	304	230	250										
PS04011276	PS04000276	PS04013276		184	224	150	170										
PS04011277	PS04000277	PS04013277		224	264	190	210										
PS04011278	PS04000278	PS04013278		264	304	230	250										
PS04011279	PS04000279	PS04013279		184	224	150	170										
PS04011280	PS04000280	PS04013280		224	264	190	210										
PS04011281	PS04000281	PS04013281		264	304	230	250										
PS05211114	PS05200114	PS05213114		520	184	224	150	170	55	4	10	87	82	17	96	6211	3950
PS05211115	PS05200115	PS05213115			224	264	190	210									
PS05211116	PS05200116	PS05213116			264	304	230	250									
PS05211117	PS05200117	PS05213117	184		224	150	170										
PS05211118	PS05200118	PS05213118	224		264	190	210										
PS05211119	PS05200119	PS05213119	264		304	230	250										
PS05211120	PS05200120	PS05213120	184		224	150	170										
PS05211121	PS05200121	PS05213121	224		264	190	210										
PS05211122	PS05200122	PS05213122	264		304	230	250										
PS05211123	PS05200123	PS05213123	238		284	190	214										
PS05211124	PS05200124	PS05213124	278		324	230	254										
PS05211125	PS05200125	PS05213125	238		284	190	214										
PS05211126	PS05200126	PS05213126	278		324	230	254										
PS05211129	PS05200129	PS05213129	278		324	230	254										
PS05211130	PS05200130	PS05213130	184		224	150	170										
PS05211131	PS05200131	PS05213131	224		264	190	210										
PS05211132	PS05200132	PS05213132	264		304	230	250										
PS05211133	PS05200133	PS05213133	184		224	150	170										
PS05211134	PS05200134	PS05213134	224	264	190	210											
PS05211135	PS05200135	PS05213135	264	304	230	250											
PS05211136	PS05200136	PS05213136	184	224	150	170											
PS05211137	PS05200137	PS05213137	224	264	190	210											
PS05211138	PS05200138	PS05213138	264	304	230	250											
PS05211139	PS05200139	PS05213139	238	284	190	214											
PS05211140	PS05200140	PS05213140	278	324	230	254											
PS05211141	PS05200141	PS05213141	264	304	230	254											





Montanari Group

GEARLESS&GEARBOX
TRACTION MACHINES

Rope components



The rope attachment is symmetrical and compliant with the current regulations. Standard lengths are reported on the catalogue, other sizes are available on demand.
Orders should contain the rope attachment item code and the one of the accessories.

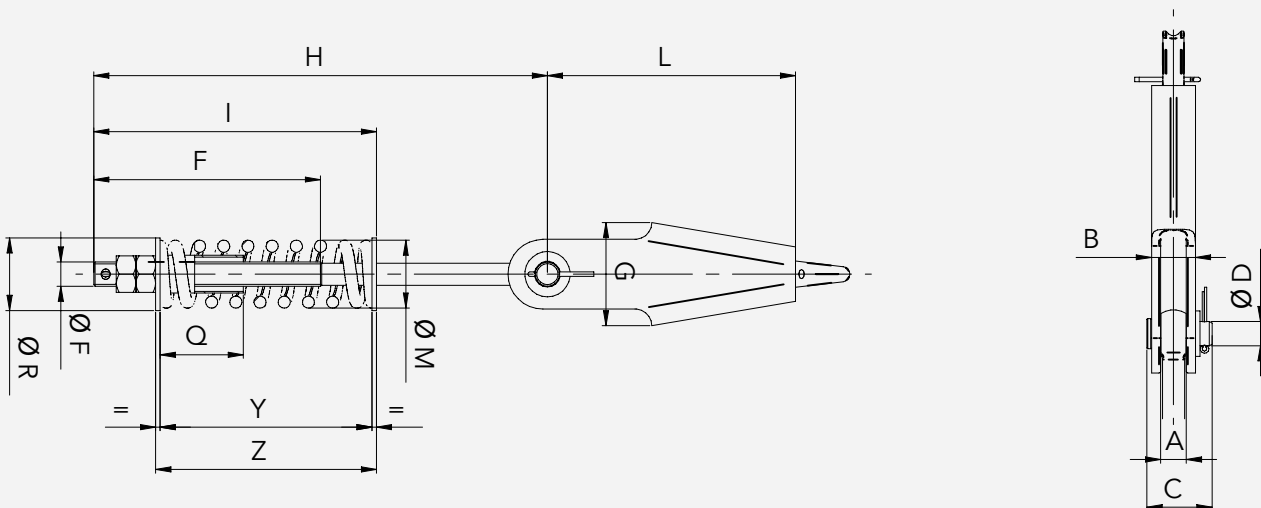
SYMMETRICAL WITH SPRING AND DISTANCE PIECE

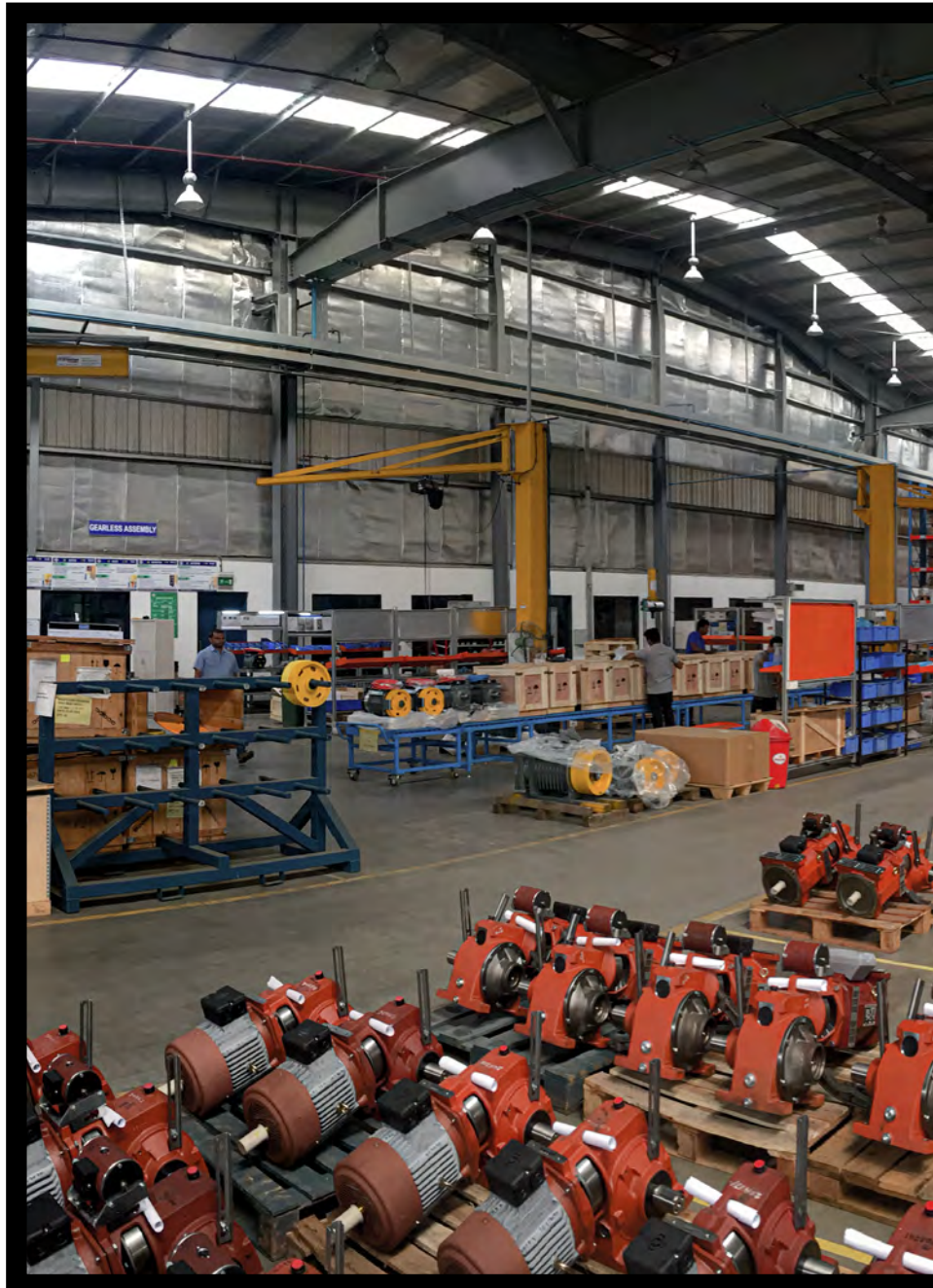


Item	Rope	A	B	C	D	F	G	H	I	L	ØF	Breaking load
	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	kN
AC00000487	6 - 8	14	22	36	12	150	45	300	162	130	M12	40.0
AC00000488	9 - 11	17	29	48	16	150	60	300	167	167	M16	73.0
AC30000489	12 - 14	22	38	60	18	200	74	460	174	174	M20	89.3

**Spring with distance piece							
Rope attachment	Item	Max. Load	ØM	ØR	Q	Y	Z
		kg	mm	mm	mm	mm	mm
6 - 8	AC00000484	70	35	38	55	100	105
9 - 11	AC00000485	120	40	38	55	120	125
12 - 14	AC00000486	300	52	50	65	150	155

** Not included. At the moment of the order write the item code.





Manufacturing plant.
Pune - Maharashtra: panoramic view of manufacturing area.



**MONTANARI LIFTS
COMPONENTS
MANUFACTURING
PLANT**

По вопросам продаж и поддержки обращайтесь:

Алматы (7273)495-231
Архангельск (8182)63-90-72
Астрахань (8512)99-46-04
Барнаул (3852)73-04-60
Белгород (4722)40-23-64
Брянск (4832)59-03-52
Владивосток (423)249-28-31
Волгоград (844)278-03-48
Вологда (8172)26-41-59
Воронеж (473)204-51-73
Екатеринбург (343)384-55-89
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Казань (843)206-01-48
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Калуга (4842)92-23-67
Кемерово (3842)65-04-62
Киров (8332)68-02-04
Краснодар (861)203-40-90
Красноярск (391)204-63-61
Курск (4712)77-13-04
Липецк (4742)52-20-81
Магнитогорск (3519)55-03-13
Москва (495)268-04-70
Мурманск (8152)59-64-93
Набережные Челны (8552)20-53-41
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Киргизия (996)312-96-26-47

Новокузнецк (3843)20-46-81
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Омск (3812)21-46-40
Орел (4862)44-53-42
Оренбург (3532)37-68-04
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Симферополь (3652)67-13-56
Казахстан (7172)727-132

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Сочи (862)225-72-31
Ставрополь (8652)20-65-13
Сургут (3462)77-98-35
Тверь (4822)63-31-35
Томск (3822)98-41-53
Тула (4872)74-02-29
Тюмень (3452)66-21-18
Ульяновск (8422)24-23-59
Уфа (347)229-48-12
Хабаровск (4212)92-98-04
Челябинск (351)202-03-61
Череповец (8202)49-02-64
Ярославль (4852)69-52-93