



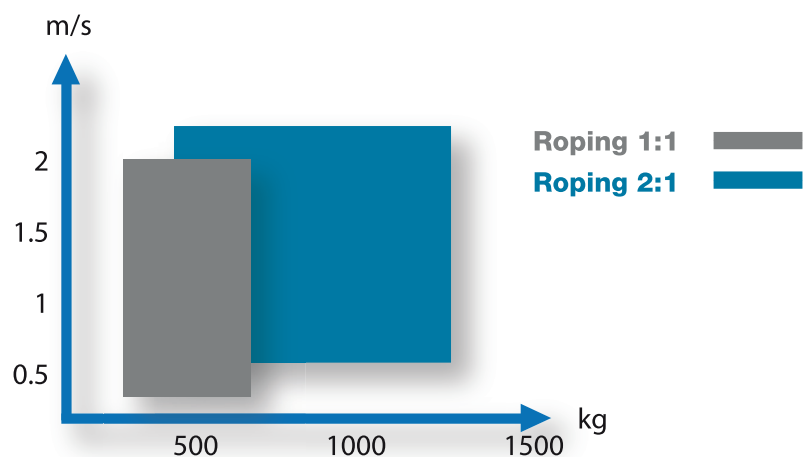
**Lift motor
MSYP-160**

**Maximum load
1250 kg**

Lift Motor MSYP-160 for Gearless Elevators

This gearless synchronous motor is manufactured in Europe. It can be used in a diverse range of traction elevators designs. With its load capacity of up to 1,250 kg and its speed of 2 m/s it is ideally suited for passenger elevators with medium sized cars.

- ▶ Low noise operation
- ▶ Smooth ride characteristics
- ▶ Reliable and efficient
- ▶ Perfect for passenger elevators with medium sized cars
- ▶ Manual brake release optional
- ▶ In package solution with YASKAWA inverter drive L1000A: Guaranteed drive comfort with minimized installation effort



Traction
elevator



Passenger
transport



Maximum
load

Standard Specifications and Dimensions

Roping 2:1

Motor Type	Rated Output (kW)	Load Q (kg)	Traction Sheave Ø (mm)	Grooves Rope Ø (mm)	R/min at 1 m/s	ID Number
MSYP-160.20-20	2.0	320	240	5 × 6.5	160	320160
MSYP-160.20-20	3.1	320	240	5 × 6.5	255	320255
MSYP-160.30-20	3.9	630	240	7 × 6.5	160	630160
MSYP-160.40-20	3.9	630	320	6 × 8.0	120	630120
MSYP-160.30-20	6.2	630	240	7 × 6.5	255	630255
MSYP-160.40-20	6.2	630	320	6 × 8.0	191	630191
MSYP-160.50-20	6.1	1000	240	10 × 6.5	160	100160
MSYP-160.60-20	6.1	1000	320	6 × 8.0	120	100120
MSYP-160.50-20	9.8	1000	240	10 × 6.5	255	100255
MSYP-160.60-20	9.8	1000	320	6 × 8.0	191	100191

Roping 1:1

Motor Type	Rated Output (kW)	Load Q (kg)	Traction Sheave Ø (mm)	Grooves Rope Ø (mm)	R/min at 1 m/s	ID Number
MSYP-160.30-20	2.0	320	240	7 × 6.5	80	320080
MSYP-160.40-20	2.0	320	320	6 × 8.0	60	320060
MSYP-160.30-20	3.1	320	240	7 × 6.5	128	320128
MSYP-160.40-20	3.1	320	320	6 × 8.0	96	320096
MSYP-160.50-20	3.0	480	240	10 × 6.5	80	480080
MSYP-160.60-20	3.0	480	320	6 × 8.0	60	480060
MSYP-160.50-20	4.7	480	240	10 × 6.5	128	480128
MSYP-160.60-20	4.7	480	320	6 × 8.0	96	480096
MSYP-160.60-20	3.9	630	240	10 × 6.5	80	630080
MSYP-160.60-20	6.2	630	240	10 × 6.5	128	630128

Additional versions upon request

Max. Axle load: 3,100 kg

Weight counter-balance at travel heights > 40 m

Motor Type	Dimensions (mm)									
	A	B	C	F	G	H	Dp	L	P	K
MSYP-160.20-20	180	83	123	110	99	139	240	70	251.5	442
MSYP-160.30-20	230	120	160	160	99	139	240 320	94	254 340	529
MSYP-160.40-20	280	120	160	210	99	139	240 320	94	254 340	579
MSYP-160.50-20	330	150 119	190 159	260	108	148	240 320	130 94	254 340	668 637
MSYP-160.60-20	380	150 119	190 159	310	108	148	240 320	130 94	254 340	718 687

