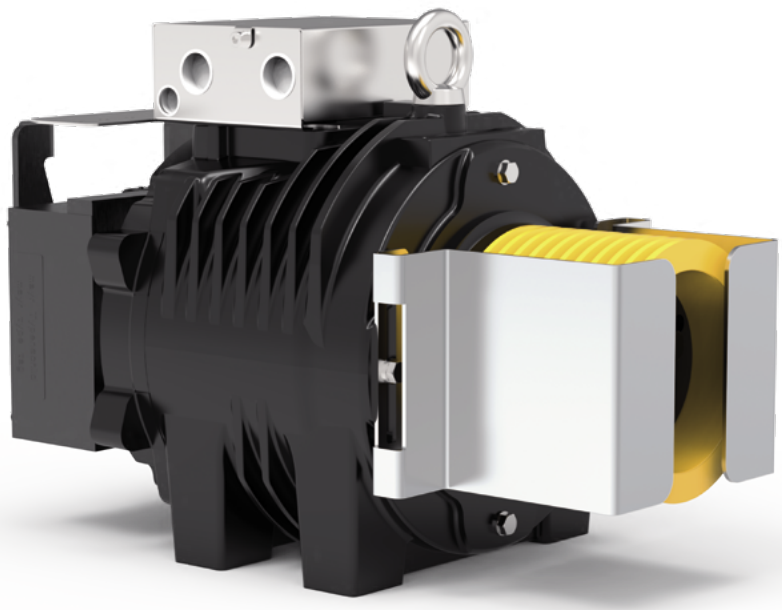
Rated Torque **165 Nm (S3 40%)**
Braking Torque **2x180 Nm**
Power Range (min - max) **1 - 5 kW**
Maximum Static Load **22,6 kN - 2300 kg**
Maximum Weight **142 kg**
Motor Rated Voltage **360 V - 208 V**



CONFIGURATION EXAMPLES TABLE**

Model	Ø Traction sheave	Car speed	Q Rated load	P Car weight	rpm	P ***	I ***	Installation frequency	Ropes Nr x diameter Ø
	[mm]	[m/s]	[kg]	[kg]	[min-1]	[kW]	[A]	[Hz]	[mm]
SG10145B	120	0,63	800	950	199	3,13	8,1	33,3	4 x Ø 6,5 (*)
SG10145B	160	0,63	675	930	199	2,65	9,2	24,9	4 x Ø 6,5 (*)
SG10145B	160	1,00	630	900	254	3,96	10,1	39,6	4 x Ø 6,5 (*)
SG10145B	200	0,63	480	700	120	2,22	6,3	20	6 x Ø 6,5
SG10145B	200	1,00	400	550	199	3,05	8,3	31,7	6 x Ø 6,5
SG10145B	210	0,63	450	680	120	2,11	6,3	19,1	6 x Ø 6,5
SG10145B	210	1,00	400	600	199	3,17	9,1	30,2	7 x Ø 6,5
SG10145B	210	1,60	320	500	291	4,16	10,5	48,5	6 x Ø 6,5
SG10145B	240	0,63	400	600	120	1,84	6,3	16,6	5 x Ø 6,5
SG10145B	240	1,00	320	500	199	2,36	7,7	26,6	4 x Ø 6,5
SG10145B	240	1,60	320	500	254	3,96	9,5	42,4	5 x Ø 6,5

Configurations specifications	
Harmonized standards of reference	EN 81-20 e EN 81-50
Roping - Wrapping type	2:1 - Conventional Single Wrap
Machine position	Top
Compartment efficiency	0,9
Nr of deflection pulleys on ball bearings	2 for rated load ≤ 1000 kg 3 for rated load > 1000 kg
Counterweight balancing	50%
Travel height	30 m
Duty cycle	S3 40%
Starts/hour	180
Wrapping angle	180°
Accelleration	0,3÷0,5m/s² for car speed ≤ 1 m/s 0,5÷0,7m/s² for car speed > 1 m/s

Refer to the product configurator for the value of the short circuit torque, the relative speed and the minimum voltage that allows the operation of gearless machine.

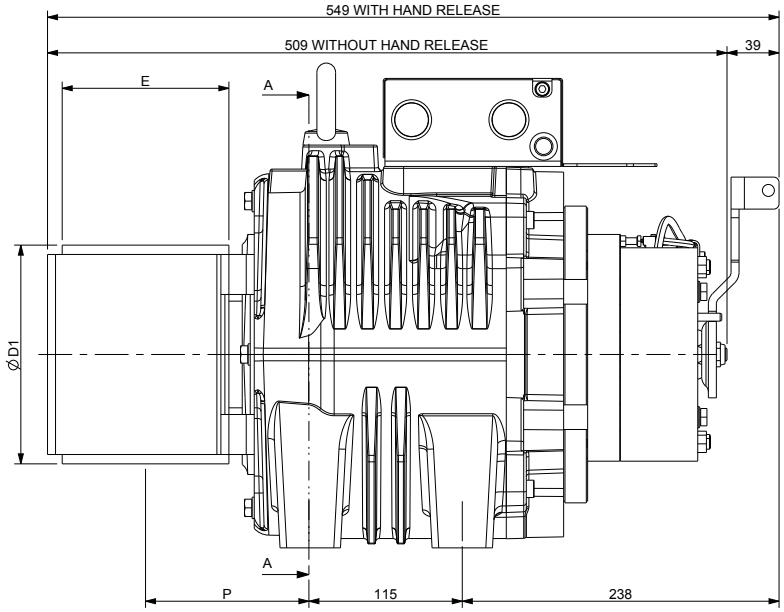
* Pu-coated ropes

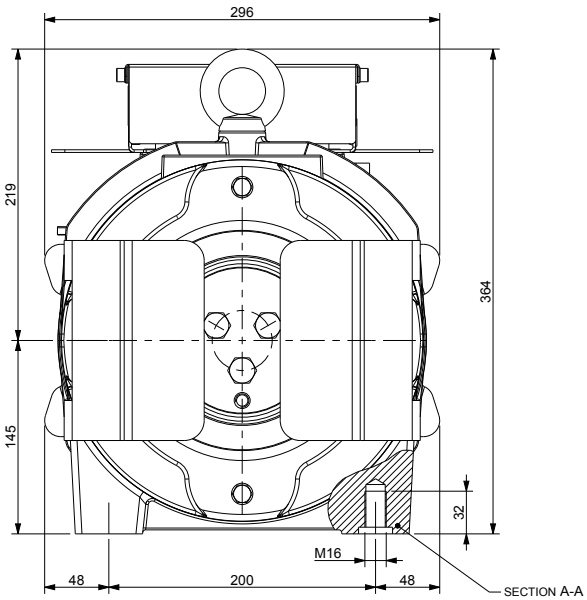
** Sample data; for more detailed evaluations we recommend our product configurator.

*** Values referred to configuration table (360V)

SG10 - DIMENSIONS

Mod. SG10145B





Ø D1	E	P	Max Weight	Inertia	Roping System	Torque S3 40%	Max Static Load	Max Power **
[mm]	[mm]	[mm]	[kg]	[kgm^2]		[Nm]	[kN - kg]	[kW]
120	125	123	142	0,09	CSW*	165	22,6 - 2300	5
160				0,12				
200				0,17				
210				0,20				
240				0,26				
270				0,51				
320		118		0,60				

Brake Specifications
Braking Torque: 2x180 [Nm]
Standard Supply Voltage: 207 [V DC]
Power: 2x68 [W]
Degree of Protection: IP10

Standard Encoder Data
Type: Absolute EnDat
Model: Heidenhain ECN 1313
Postions values/rev: 2048 imp 13 bits
Degree of Protection: IP40
Standard Cable Length: 10 [m]

* CSW: Conventional single wrap.

** Sample data; for more detailed evaluations we recommend our product configurator.