


Model	For rated loads up to [kg]	Car speed range in 2:1 [m/s]	Traction sheaves diameter range [mm]	Max Static Load [kN-kg]
SGS9 	1600	0,63 ... 2,00	120(*) , 160(*), 200, 210,240	29,4-3000

With central sheave (for systems with cantilever arches, with gauges guides and reduced headrooms).

* Pu-coated ropes

Hilighted pulley diameter is the one used to calculate max allowed capacity in standard condition (see calculation for each model).

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



Rated Torque **290 Nm (S3 40%)**
 Braking Torque **2x280 Nm**
 Power Range (min - max) **1,8 - 8,8 kW**
 Maximum Static Load **29,4 kN - 3000 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]
SGS9150B	120	0,63	1600	1600	199	6,25	15,39	33,4	7 x Ø 6,5 (*)
SGS9150B	160	0,63	1000	1200	199	3,90	12,9	25	5 x Ø 6,5 (*)
SGS9150B	160	1,00	1000	1200	254	6,22	15,1	39,6	5 x Ø 6,5 (*)
SGS9150B	200	0,63	800	950	120	3,61	9,7	20	9 x Ø 6,5
SGS9150B	200	1,00	800	950	199	5,85	15,3	31,7	10 x Ø 6,5
SGS9150B	210	0,63	800	950	120	3,55	9,91	19	8 x Ø 6,5
SGS9150B	210	1,00	675	930	199	5,01	13,7	30,2	9 x Ø 6,5
SGS9150B	210	1,60	630	930	291	7,83	18,7	48,5	10 x Ø 6,5
SGS9150B	240	0,63	675	930	120	2,99	9,6	16,6	7 x Ø 6,5
SGS9150B	240	1,00	675	930	199	4,88	15,3	26,4	8 x Ø 6,5
SGS9150B	240	1,60	480	700	254	5,83	13,4	42,4	7 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°
Acceleration	0,3±0,5m/s ² for car speed ≤ 1 m/s 0,5±0,7m/s ² 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.

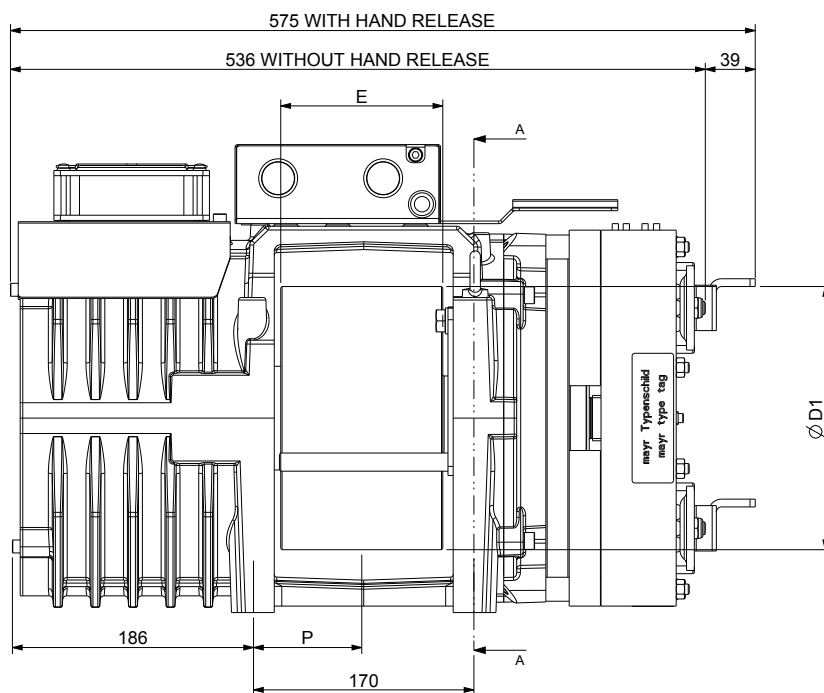
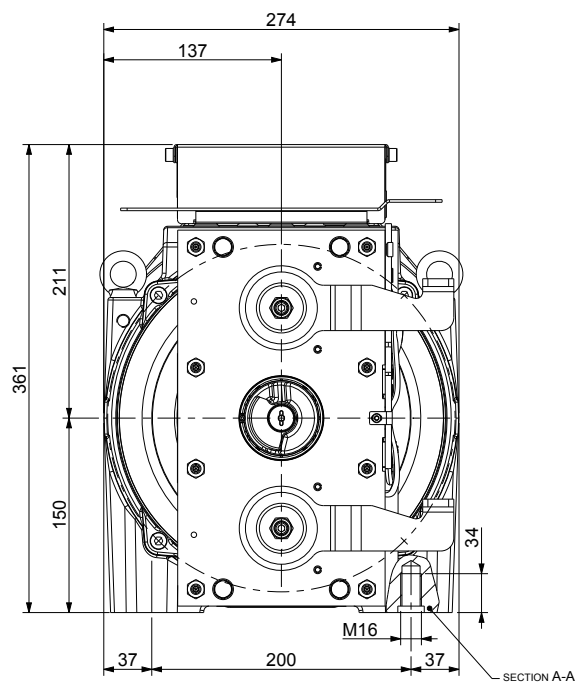
* Pu-coated ropes

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

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

SGS9 - DIMENSIONS

Mod. SGS9150B



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	90	66	142	0,11	CSW*	290	29,4 - 3000	8,8
160	125	85		0,15				
200				0,20				
210				0,23				
240				0,29				

Brake Specifications

Braking Torque: 2x280 [Nm]
Standard Supply Voltage: 207 [V DC]
Power: 2x79 [W]
Degree of Protection: IP10

Standard Encoder Data

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

Ventilation data

Voltage: 230 [V]
Power: 1x16 [W]

* CSW: Conventional single wrap.

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



by
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