

Fiche produit Motralec Ziehl Abegg Zatop SM180 - fiche technique | Motralec

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Elevator machine ZAtop
ZAp, 1110

Drive technology for elevators 2025

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ZAtop gearless elevator machine
SM180

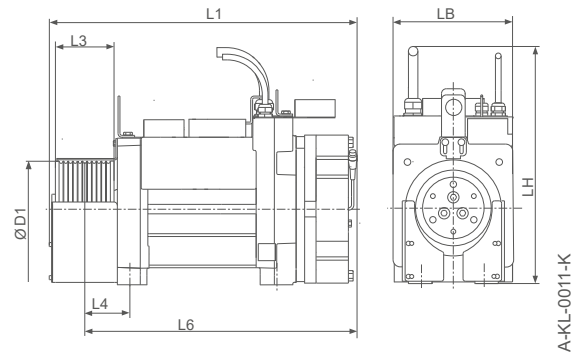


Synchronous motor actuated by permanent magnets and according to the provisions of the Lift Directive 2014/33/EU

- Elevator machine
- NdFeB magnets
 - Structural width ≤ 255 mm for the narrowest shaft dimensions
 - Noise emissions: < 50 dB(A)
 - Insulation class F with temperature monitoring
- Brake system
- Safety component in accordance with Lift Directive 2014/33/EU
 - Separately activated brake circuits
 - Deployable as an element of the ascending car overspeed protection means
 - Deployable as part of the protection against unintended car movement

Technical data

SM180



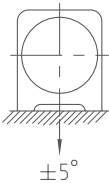
Deflection pulleys	Page 70
Forced ventilation	Page 73
ZAlift	Page 76
Motor cables	Page 111

Motor type	Nominal torque Nm	Max. axle load kg	Nominal speed rpm	Rated output power kW	L1 mm	LH mm	L4 mm	L6 mm	LB mm	D1 mm	L3 mm	Weight kg
SM180.24C	215	1500	162 - 384	3.6 - 8.6	500	500	77	428	255	120	68	147
										160	68	152
										200	68	155
										240	76	156
SM180.35C	295	1850	162 - 384	5.0 - 11.9	566	500	83	490	255	120	76	173
										160	76	178
										200	76	182
										240	88	183
SM180.45C	385	2500	162 - 306	6.5 - 12.3	633	500	101	558	255	120	76	188
										160	76	182
										200	106	209
										240	106	217
SM180.46C	445	2500	162 - 306	7.5 - 13.8	633	500	101	558	255	120	76	182
										160	76	178
										200	106	219
										240	106	226
SM180.46C	430	2500	162 - 306	7.5 - 13.8	633	500	101	558	255	120	76	182
										160	76	178

Scope of delivery and options

SM180	Standard	Options
Motor	Gearless elevator machine	-
Traction sheave	See D1	-
Brake	Certified brake system	Mechanical hand release system with or without bowden cables
Brake monitoring	Microswitch	Inductive proximity switches
Motor cable	-	10 m, 15 m, 20 m, 25 m halogen free
Absolute encoder	EnDat	BiSS-C / SSI / SinCos / TTL
Rope guard	2 pieces	3. Rope guard
Temperature monitoring	PTC thermistor	PT100-thermistor
Cooling	Surface cooling	Forced ventilation

Resulting rope force



Example configurations

Other configurations, also outside of the examples listed below, are possible.
Our calculation software ZAlift is available to you for fast and convenient calculation of your elevator machine.

Suspension	Payload kg	Speed m/s	Traction sheave mm	Motor type	Number of ropes	Rope diameter mm	Motor power kW	Rated current A
2:1	480	1.00	240	SM180.24C-14	7	6 - 6.7	3.6	10.0
	480	2.00	200	SM180.24C-14	7		8.6	22.0
	630	1.60	200	SM180.24C-14	7		6.9	17.0
	675	1.00	200	SM180.24C-14	7		4.3	11.0
	675	1.00	240	SM180.35C-14	8		5.0	13.0
	675	1.60	240	SM180.35C-14	8		8.0	19.0
	800	1.60	200	SM180.35C-14	8		9.5	21.0
	800	1.60	240	SM180.45C-14	11		10.4	27.0
	1000	1.00	240	SM180.45C-14	11		6.5	17.5
	1150	1.60	200	SM180.45C-14	11		12.3	30.0
	1250	1.60	240	SM180.46C-14	11		12.0	31.0
	1275	1.00	240	SM180.46C-14	11		7.5	20.0



ZAtop gearless elevator machine

SM190



Synchronous motor actuated by permanent magnets and according to the provisions of the Lift Directive 2014/33/EU

Elevator machine

- NdFeB magnets
- Structural width ≤ 322 mm for the narrowest shaft dimensions
- Noise emissions: < 50 dB(A)
- Insulation class F with temperature monitoring

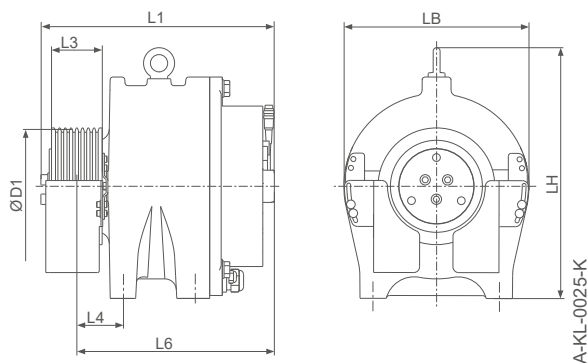
Brake system

- Safety component in accordance with Lift Directive 2014/33/EU
- Separately activated brake circuits
- Deployable as an element of the ascending car overspeed protection means
- Deployable as part of the protection against unintended car movement

Machine frames	Page 63
Deflection pulleys	Page 70
Adapter plates	Page 59
ZAlift	Page 76

Technical data

SM190



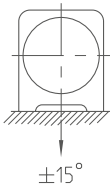
Motor type	Nominal torque Nm	Max. axle load kg	Nominal speed rpm	Rated output power kW	L1 mm	LH mm	L4 mm	L6 mm	LB mm	D1 mm	L3 mm	Weight kg
SM190.11B-20	180	1850	168 - 192	3,2 – 3,6	406	436	81	344	322	200	76	121
										240	66	125



Scope of delivery and options

SM190	Standard	Options
Motor	Gearless elevator machine	-
Traction sheave	See D1	-
Brake	Certified brake system	Mechanical hand release system and bowden cables
Brake monitoring	Microswitch	-
Motor cable	10 m	-
Absolute encoder	BiSS-C / SSI / SinCos	EnDat
Rope guard	2 pieces	-
Temperature monitoring	PTC thermistor	-
Cooling	Surface cooling	-

Resulting rope force



Example configurations

Other configurations, also outside of the examples listed below, are possible.
Our calculation software ZAlift is available to you for fast and convenient calculation of your elevator machine.

Suspension	Payload	Speed	Traction sheave	Motor type	Number of ropes	Rope diameter	Motor power	Rated current
	kg	m/s	mm			mm	kW	A
2:1	450	1,00	240	SM190.11B-20	4	6,5	4,4	10,0
	480	1,00	200	SM190.11B-20	5	6,5	5,0	11,0



Besoin d'un prix ou d'un conseil technique ?

Ventilateur Ziehl Abegg ZATOP SM180



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DEMANDER UN PRIX >