

Fiche produit Motralec Ziehl Abegg Zatop SM250 45 SM250 60 Sm250.80 - fiche technique | Motralec

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Elevator machine ZAtop
ZAtop, 2025

Drive technology for elevators 2025

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ZAtop gearless elevator machine

SM250.45, SM250.60, SM250.80



SM250.45B/60B



SM250.80D

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

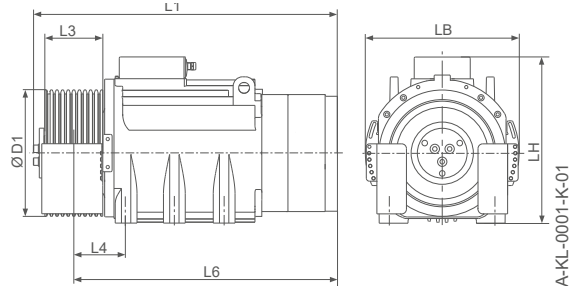
- Elevator machine
- NdFeB magnets
 - For fast elevators of up to 4 m/s
 - Noise emissions: < 50 dB(A)
 - Insulation class F with temperature monitoring

- 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

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Technical data

SM250

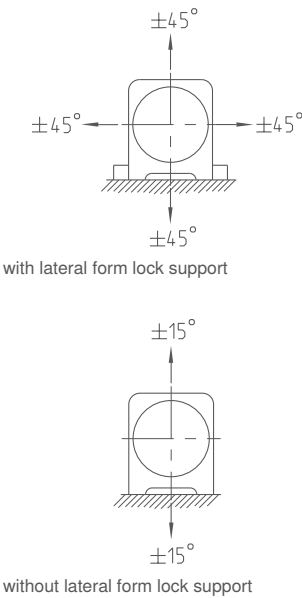


Motor type	Nominal torque Nm	Max. axle load kg	Nominal speed rpm	Rated output power kW	L1 mm	LH mm	L4 mm	L6 mm	LB mm	D1 mm	L3 mm	Weight kg
SM250.45B-20	900 - 1120	6000	60 - 336	7.0 - 31.7	922	535	163	785	410	320	182	635
									425	400	150	640
									500		186	650
									520	500	150	670
									543	520		680
									620	600		695
SM250.60B-20	1200 - 1600	8000	54 - 300	12.6 - 72.3	1147	645	170	999	660	640		750
									847	410	320	695
									425	400	150	700
									500		186	715
									520	500	150	735
									543	520		740
SM250.80D-20	2000 - 2500	8000	54 - 300	12.6 - 72.3	1147	645	170	999	620	600		765
									660	640		810
									474	440	200	1020
									546	520		1041
									666	640		1128

Scope of delivery and options

SM250	Standard	Options
Motor	Gearless elevator machine	-
Traction sheave	See D1	-
Brake	Certified brake system	Mechanical hand release
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	Speed	Traction sheave	Motor type	Number of ropes	Rope diameter	Motor power	Rated current
	kg	m/s	mm			mm	kW	A
1:1	630	1.60	520	SM250.45B-20	7	12.0	7.0	22.0
	1000	1.60	520	SM250.60B-20	7	13.0	10.0	30.0
	1000	2.00	320	SM250.45B-20	10	8.0	14.1	37.0
	1000	2.00	520	SM250.80D-20	9	12.0	18.8	52.0
	1250	1.60	640	SM250.80D-20	7	16.0	14.1	50.0
	1250	2.00	400	SM250.60B-20	10	10.0	16.0	43.0
2:1	1000	1.00	640	SM250.45B-20	8	10.0	7.0	22.0
	1050	1.60	600	SM250.45B-20	7	13.0	12.7	34.0
	1250	1.60	640	SM250.60B-20	8	11.0	16.0	43.0
	1275	1.00	500	SM250.45B-20	8	8.0	11.3	31.5
	1600	1.00	320	SM250.45B-20	10	8.0	14.1	37.0
	1600	1.60	320	SM250.45B-20	10	8.0	20.1	50.0
	1600	2.50	320	SM250.45B-20	10	8.0	31.7	73.0
	1600	2.50	640	SM250.80D-20	9	13.0	36.4	94.0
	2000	1.60	320	SM250.45B-20	10	8.0	20.1	50.0
	2000	1.60	520	SM250.80D-20	11	10.0	25.1	67.0
	2000	2.50	500	SM250.60B-20	9	10.0	32.0	80.0
	2500	2.00	520	SM250.80D-20	9	13.0	40.8	120.0
	3000	1.00	440	SM250.80D-20	11	11.0	28.3	86.0
	3000	1.60	440	SM250.80D-20	11	10.0	28.9	78.0
4:1	5000	1.00	440	SM250.80D-20	11	10.0	36.4	94.0
	6300	1.00	440	SM250.80D-20	11	10.0	53.4	150.0
	6500	0.80	440	SM250.80D-20	11	10.0	40.8	120.0
6:1	6000	1.00	520	SM250.80D-20	8	10.0	46.5	118.0



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

Ventilateur Ziehl Abegg ZATOP SM250 45 SM250 60 SM250.80



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Voir la gamme Ziehl Abegg sur notre site :

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