

Fiche produit Motralec Ziehl Abegg Zasyn SM700 - fiche technique | Motralec

■ **DEMANDE DE PRIX RAPIDE** : <https://www.motralec.com/demandeContact>

External rotor motors ZAsyn

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Drive technology for elevators 2025

ZAsyn gearless elevator machine

SM700



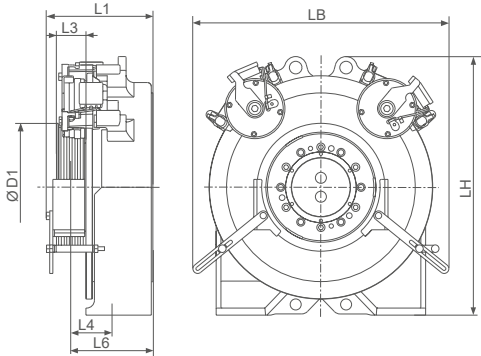
Synchronous motor actuated by permanent magnets and according to the provisions of the Lift Directive 2014/33/EU

- Drive
- NdFeB magnets
 - Installation depth of ≤ 336 mm makes it perfect for mounting on the wall of the elevator shaft
 - 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

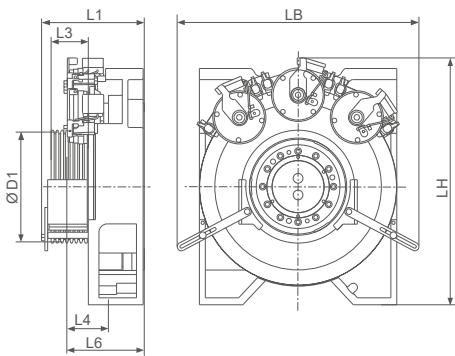
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Technical data

SM700.09AL-14AL



SM700.16AL3-A

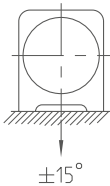


Motor type	Nominal torque	Max. axle load	Nominal speed	Rated output power	L1	LH	L4	L6	LB	D1	L3	Weight	
	Nm	kg	rpm	kW	mm	mm	mm	mm	mm	mm	mm	kg	
SM700.09AL-30	500	3000	60 - 96	3.0 - 5.0	306	838	106	276	710	400	60	530	
SM700.12AL-30	750		60 - 168	4.5 - 13.0	336		121	306			90	535	
SM700.14AL-30	850		60 - 192	5.5 - 17.0	366		106	276			120	540	
SM700.16AL3-A-30	1150	3600	96 - 156	11.6 - 18.8	326	888	110	250			90	580	
					356			125	265			120	595
					366			130	270			130	605
SM700.16AL-A-30	800 - 1000		60 - 240	6.5 - 20.0	326	850	110	250			90	565	
					356			125	265			120	570
					366			130	366			130	575

Scope of delivery and options

SM700	Standard	Options
Motor	Gearless elevator machine	-
Traction sheave	See D1	-
Brake	Certified brake system	Mechanical hand release system with bowden cables
Brake monitoring	Microswitch	-
Motor cable	-	10 m, 15 m, 20 m, 25 m halogen free
Absolute encoder	EnDat	SSI / SinCos
Rope guard	2 pieces	-
Temperature monitoring	PTC thermistor	PT100-thermistor
Cooling	Surface cooling	-
Mounting	-	Console for wall mounting

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
1:1	375	1.00	400	SM700.09AL-30	3	10	3.0	7.6
	525	0.63	400	SM700.12AL-30	5		4.5	11.5
	630	1.00	400	SM700.12AL-30	5		4.5	11.5
	675	0.63	400	SM700.16AL-A-30	6		6.5	16.5
	800	2.00	400	SM700.16AL3-A-30	7		11.6	29.0
2:1	675	1.00	400	SM700.09AL-30	3		5.0	11.5
	1000	1.60	400	SM700.16AL-A-30	5		16.0	41.5
	1000	1.60	400	SM700.14AL-30	5		14.0	33.5
	1000	1.75	400	SM700.12AL-30	4		13.0	32.5
	1000	2.00	400	SM700.14AL-30	5		17.0	40.5
	1250	2.50	400	SM700.16AL-A-30	6		20.0	50.0
	1275	1.75	400	SM700.14AL-30	5		15.0	36.5
	1275	2.50	400	SM700.16AL-A-30	5		20.0	50.0
	1350	1.00	400	SM700.16AL-A-30	6		10.0	25.0
	1500	1.60	400	SM700.16AL3-A-30	7		18.8	48.0



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

Moteur Ziehl Abegg ZASYN SM700



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www.motralec.com/.../ziehl-abegg

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