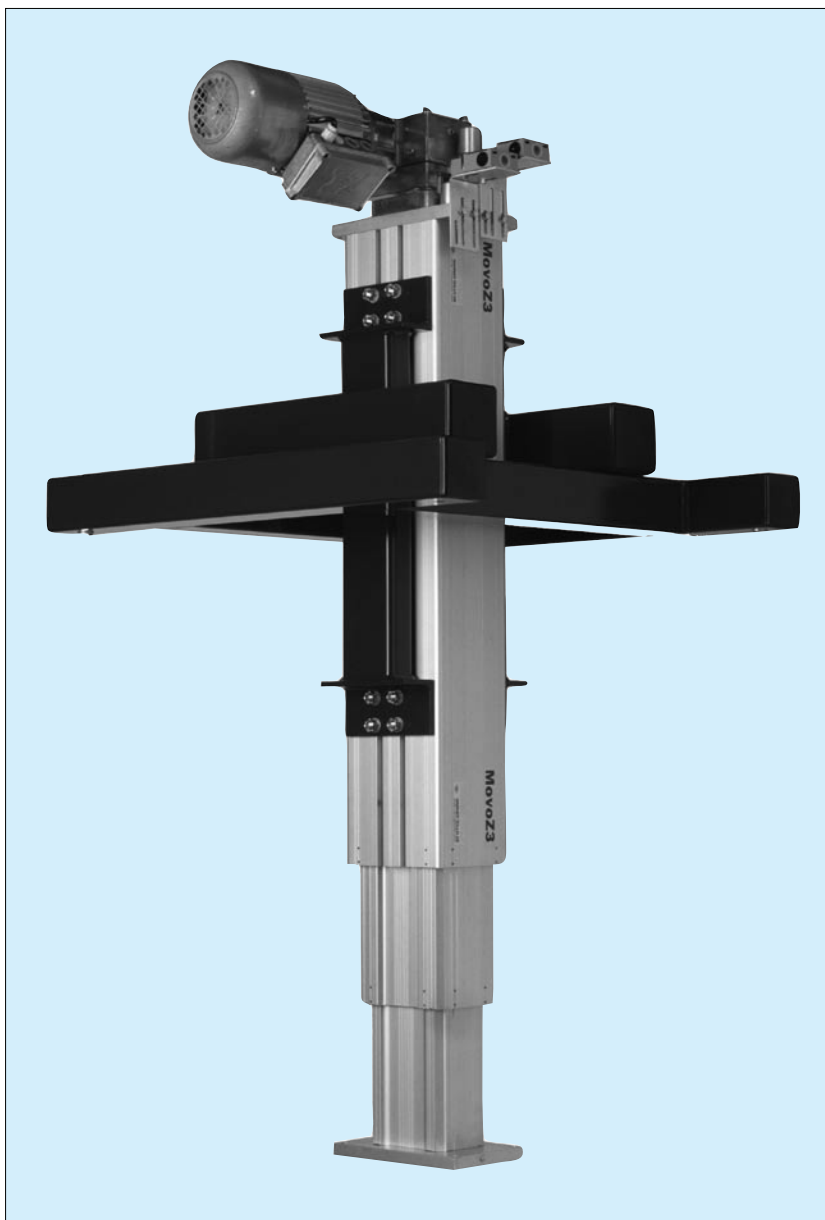
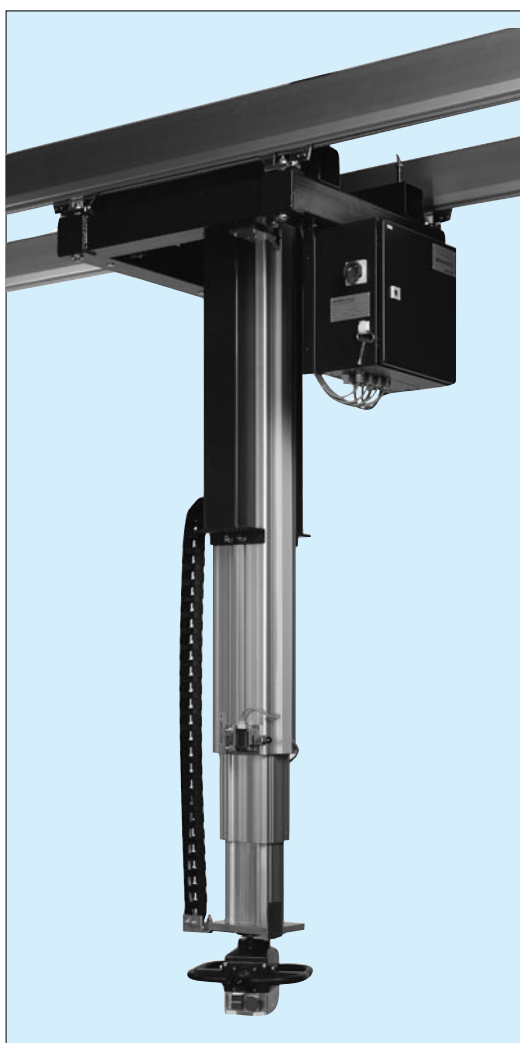


Movolift - general product information

Movolift

Consists of a MovoZ Z3 unit fitted with mounting frame, gearbox, three phase asynchronous brake motor and limit switches, prepared for suspension in a Movorail or Tollobelt system.

- Stroke up to 1,5 m
- Safety nut
- Lifting speed up to 0,4 m/s
- Load up to 7500 N
- Three types of frames available:
frame without rotation, frame with $\pm 360^\circ$
manual rotation and frame with $\pm 360^\circ$
motorized rotation.



General

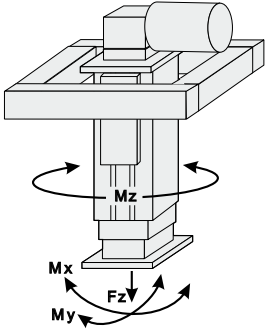
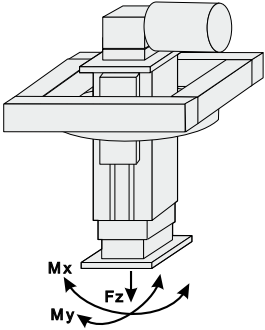
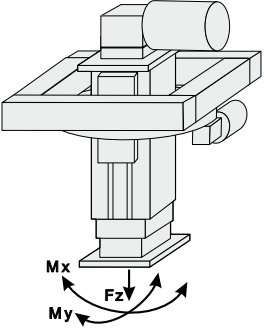
Parameters	MLZ31	MLZ33	MLZ35	MLZ37	MLZ39
Lifting motor	3 × 230/400 Vac 50 Hz 1,1 kW 230 Vac brake	3 × 230/400 Vac 50 Hz 1,1 kW 230 Vac brake	3 × 230/400 Vac 50 Hz 1,1 kW 230 Vac brake	3 × 230/400 Vac 50 Hz 2,2 kW 230 Vac brake	3 × 230/400 Vac 50 Hz 2,2 kW 230 Vac brake
Ambient temperature (°C)	-20 to 70	-20 to 70	-20 to 70	-20 to 70	-20 to 70
Weight without rotation, type A (kg)	140 + Max. retracted × 0,42			150 + Max. retracted × 0,44	
Weight with manual rotation, type B (kg)	235 + Max. retracted × 0,42			245 + Max. retracted × 0,44	
Weight with motorized rotation, type C (kg)	280 + Max. retracted × 0,42			290 + Max. retracted × 0,44	

Load capacity

Parameters	MLZ31	MLZ33	MLZ35	MLZ37	MLZ39
Max. lifting stroke (m)	1,5	1,5	1,5	1,5	1,5
Fz max. lifting load. (N)	5000*	2400*	1100*	7500*	3500*
Mx max. (Nm)	2000	2000	2000	2000	2000
My max. (Nm)	2000	2000	2000	2000	2000
Mz max. (Nm)	330	330	330	330	330
Max. lifting speed (m/s)	0,09	0,2	0,4	0,13	0,3

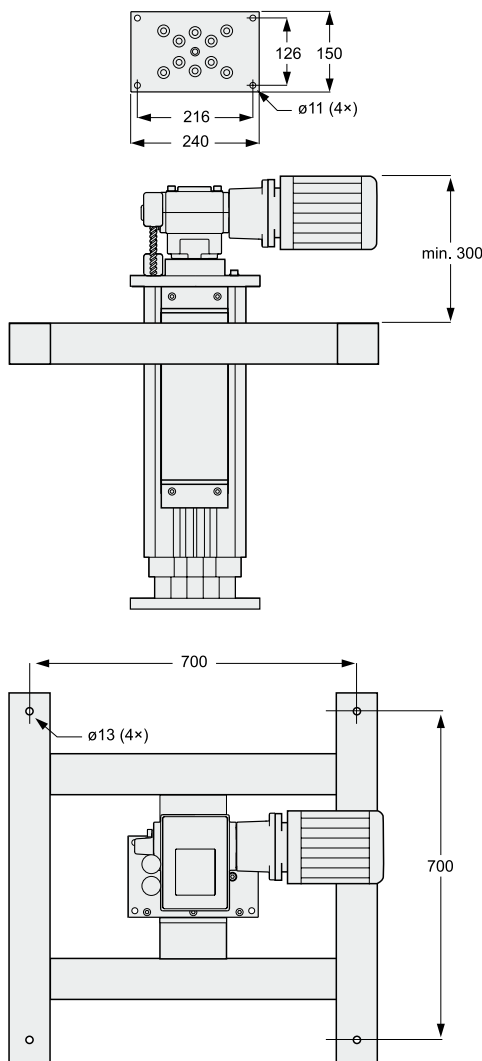
* The max. lifting capacity for any application ultimately depends on the values for Mx, My and Mz

Rotation data

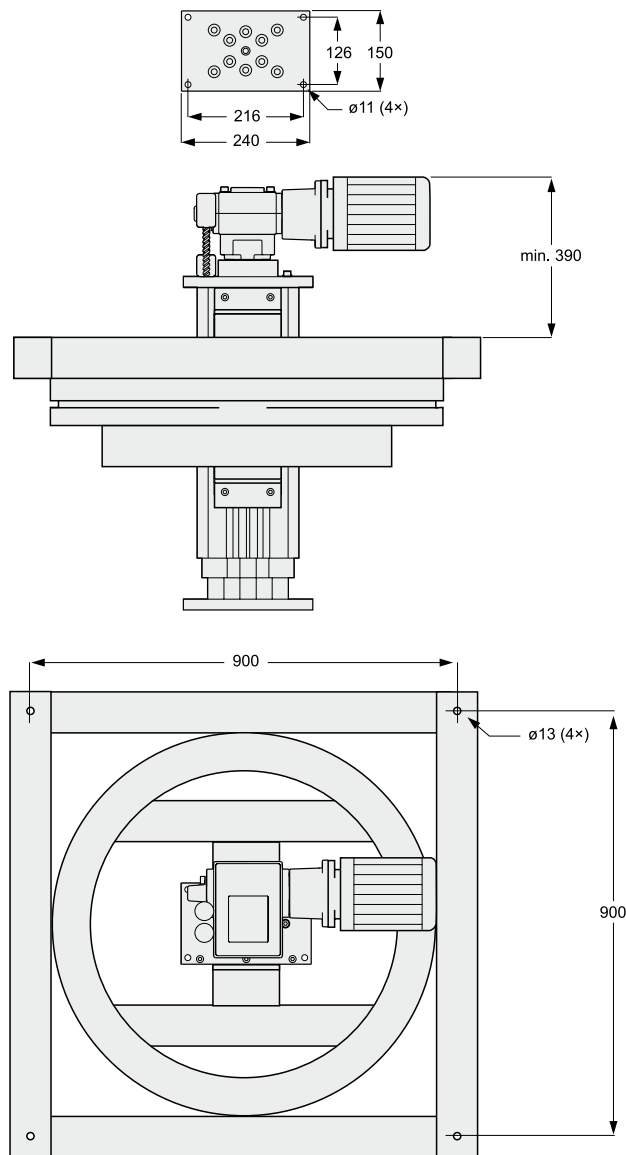
Parameters	MLZ3 · A	MLZ3 · B	MLZ3 · C
Type of rotation	none	manual ± 360°	motorized ± 360°
Rotation motor	–	–	3 × 230/400Vac 50 Hz 0,37 kW
Max. rotation speed (rpm)	–	–	10 rpm
Anti back driving mechanism	–	no	yes, self-locking
			

Dimensions

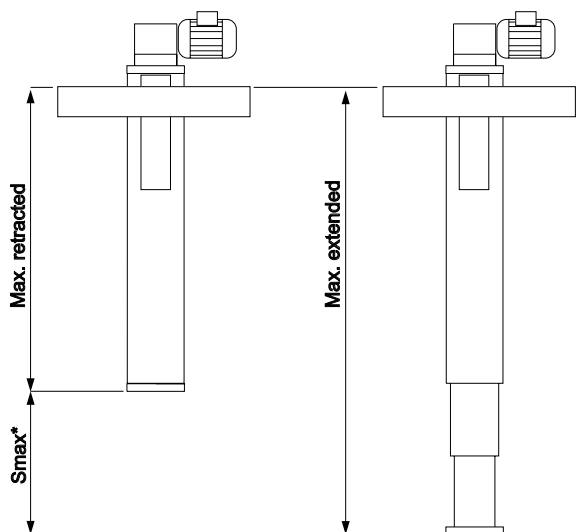
Designation: MLZ31(3/5/7/9)A



Designation: MLZ31(3/5/7/9)B(C)



Ordering length



* Smax = maximum stroke between the mechanical stops of the unit (theoretical stroke). Safe stroke is normally about 100 mm shorter (practical stroke).

Designation information

Movolift

Designation example	ML	Z3	3	A	087	157
Unit type Movolift	ML					
Type of lifting unit MovoZ Z3		Z3				
Max, lifting load / max. lifting speed 5000 N / 0,09 m/s 2400 N / 0,20 m/s 1100 N / 0,40 m/s 7500 N / 0,13 m/s 3500 N / 0,30 m/s			1 3 5 7 9			
Frame type No rotation Manual rotation Motorized rotation				A B C		
Max. retracted length (min. length from the top of the frame) in cm	
Max. extended length (max. length from the top of the frame) in cm

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