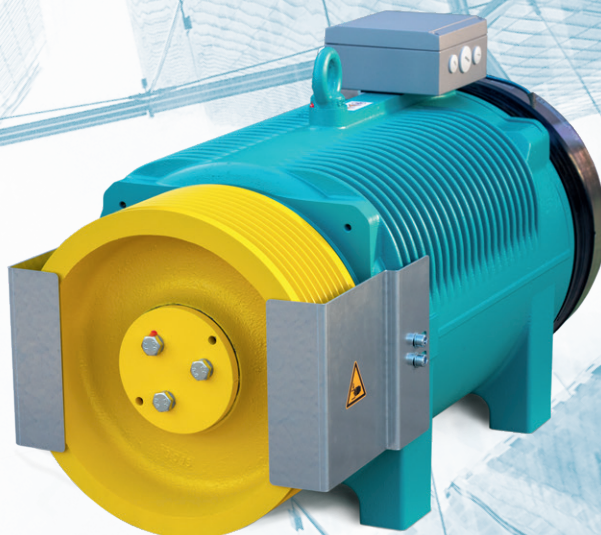


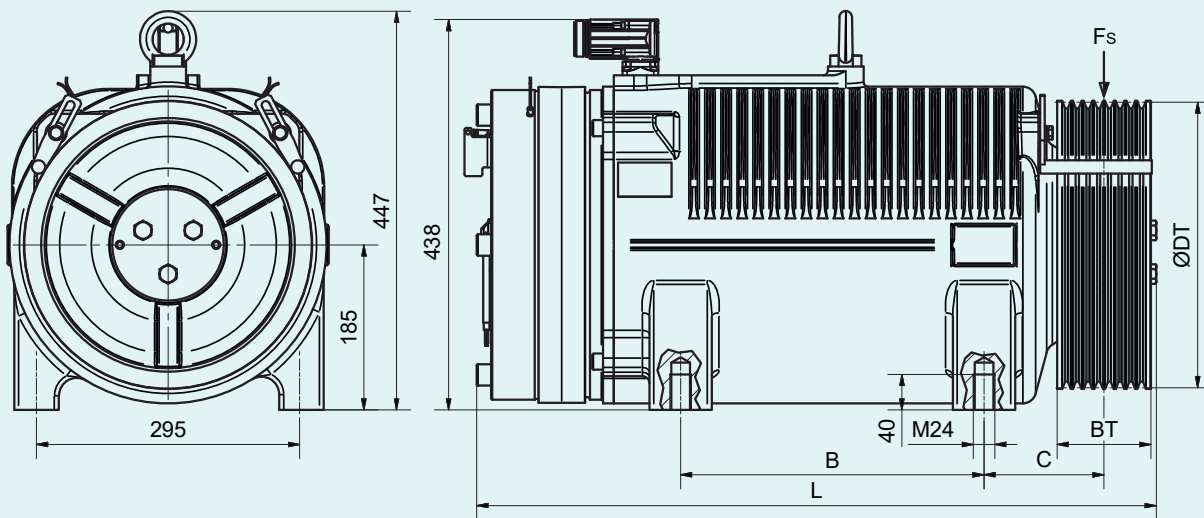
WSG-MF

GEARLESS SYNCHRONOUS LIFT MACHINE

- ▶ Low-vibration and silent thanks to a perfectly matching magnet design
- ▶ Compliant with EN 81-20/50
- ▶ Modular system allows a lot of options
- ▶ Shaft loads up to 45 kN
- ▶ Rope tension in all directions



GEARLESS SYNCHRONOUS LIFT MACHINE



WSG-	MF.1				MF.2			MF.3	
$\emptyset D_T$	240	270	320	400	270	320	400	320	400
B_T	120	120	120	105	120	120	105	120	105
C	158	158	142	134.5	158	142	134,5	142	134.5
L	649	649	633	618	774	758	743	771	756
B	235				340			340	
m_g [kg]	269	273	266	278	323	316	328	355	368
J_g [kgm ²]	0.57	0.63	0.84	1.5	0.74	0.95	1.6	1.06	1.7

FEATURES

- | | | | | | | | |
|----------------------------------|---------------------------|------|------|------|-----|------|------|
| ■ Compliant with EN 81-20/50 | m_g [kg] | 269 | 273 | 266 | 278 | 323 | 316 |
| ■ Rope tension in all directions | J_g [kgm ²] | 0.57 | 0.63 | 0.84 | 1.5 | 0.74 | 0.95 |
- Modular system allows a lot of options
 - Low-vibration and silent thanks to a perfectly matching magnet design
 - Solid construction for permissible shaft loads at the traction sheave up to 45 kN
 - Safety brake system with electro-magnetical release, manual release as an option, contacts for brake control, dust cover for the brake air gap
 - EC type-examination certificate according to EN 81-20/50, can be used for UCM solution
 - Synchronous motor, 20-pole, with high-efficiency permanent magnets, insulation class 155 (F)
 - Variable options regarding voltage, speed, torque, measuring system and traction sheave parameters

*) On request a traction sheave with a diameter of 210, 480 or 520 mm is also available.

Motor type		WSG-MF.1								WSG-MF.2						WSG-MF.3			
torque (S3-40 %)	M _N [Nm]	500								700						900			
max. torque	M _{max} [Nm]	950								1,330						1,710			
brake torque	M _{br} [Nm]	2 x 600								2 x 900						2 x 1,200			
traction sheave *)	D _T [mm]	240		270		320		400		270		320		400		320		400	
for loads	Q [kg]	1,350		1,275		1,075		850		1,800		1,350		1,200		1,800		1,600	
suspension		table applies for 2 : 1																	
	v [ms]	P _N [kW]	I _N [A]	P _N [kW]	I _N [A]	P _N [kW]	I _N [A]	P _N [kW]	I _N [A]	P _N [kW]	I _N [A]	P _N [kW]	I _N [A]	P _N [kW]	I _N [A]	P _N [kW]	I _N [A]	P _N [kW]	I _N [A]
	0.5	4.2	15.5	3.7	11.5	3.1	11.5	2.5	8.3	5.2	17.6	4.4	13.2	3.5	11.3	5.6	16.9	4.5	16.9
	0.63	5.2	15.5	4.7	15.5	3.9	11.5	3.1	11.5	6.5	17.6	5.5	17.6	4.4	13.2	7.1	22.9	5.7	16.9
	1.0	8.3	19.3	7.4	19.3	6.2	15.5	5.0	15.5	10.4	26.4	8.7	21.1	7.0	17.6	11.2	26.7	9.0	22.9
	1.6	13.3	28.1	11.9	28.1	10.0	22.1	8.0	19.3	16.6	34.8	14.0	31.7	11.2	26.4	18.0	40.2	14.4	32.1
	2.0					12.5	28.1	10.0	22.1			17.5	34.8	14.0	31.7	22.5	45.5	18.0	40.2

Reference values. Achievable nominal load depends on specific elevator system data.

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