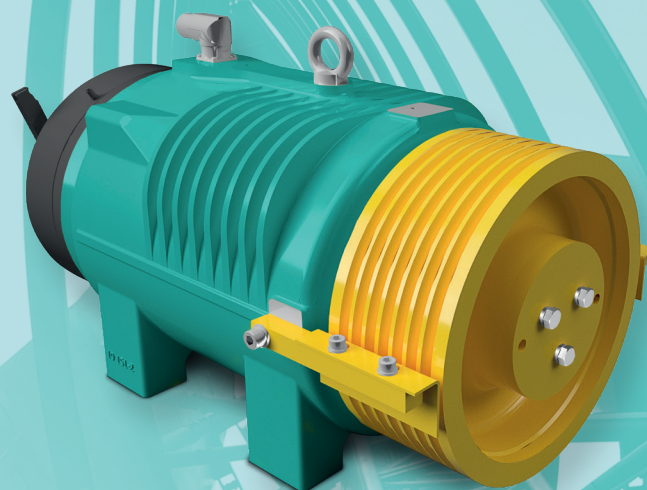


WSG-SF

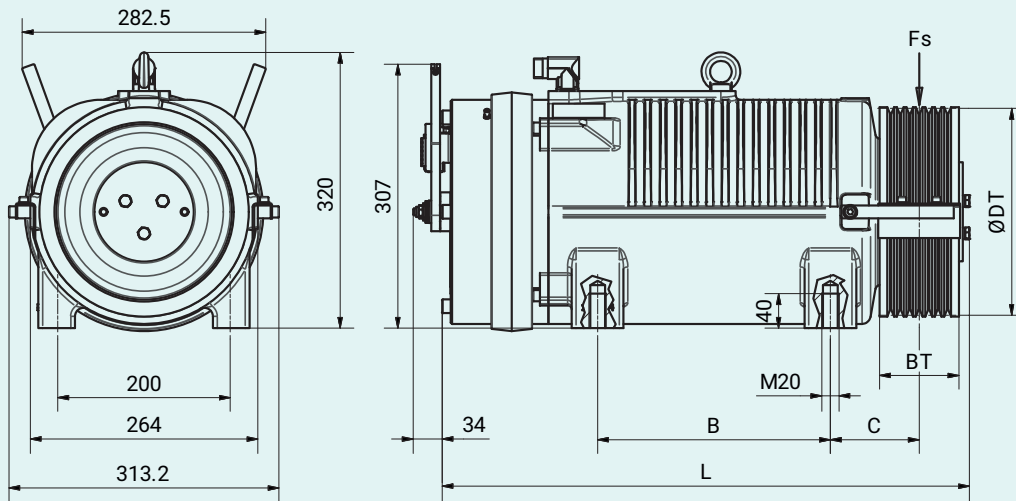
GEARLESS SYNCHRONOUS LIFT MACHINE



- ▶ 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 26 kN
- ▶ Rope tension in all directions

WSG-SF

GEARLESS SYNCHRONOUS LIFT MACHINE



WSG-	SF.1			SF.2			SF.3				SF.4			
dia. D_T	160	210	240	160	210	240	160	210	240	320	160	210	240	320
B_T	130	120	92	130	120	92	130	120	92	105	130	120	92	105
C	133.5	117	103	133.5	117	103	133.5	117	103	109.5	133.5	117	103	109.5
L	532	520	501	532	520	501	660	636	617	617	660	636	617	617
B	190			190			270				270			
m_G [kg]	121			128			153				167			
J_G [kgm ²]	0.13	0.16	0.18	0.14	0.17	0.19	0.15	0.18	0.21	0.58	0.17	0.21	0.23	0.61

FEATURES

- Compliant with EN 81-20/50
- Rope tension in all directions
- Low-vibration and silent thanks to a perfectly matching magnet design
- Modular system allows a lot of options
- Solid construction for permissible shaft loads at the traction sheave up to 26 kN
- Safety brake system with electro-magnetical release, manual release as an option, contacts for brake control
- EC type-examination certificate according to EN 81-20/50, can be used for UCM solution
- Synchronous motor, 16-pole, with high-efficiency permanent magnets, insulation class 155 (F)
- Variable options regarding voltage, speed, torque, measuring system and traction sheave parameters

motor type	WSG-SF.1				WSG-SF.2				WSG-SF.3				WSG-SF.4															
torque (S3-40%) M_N [Nm]	140				180				240				340															
max. torque M_{max} [Nm]	250				320				430				610															
brake torque M_{br} [Nm]	2 x 150 / (2 x 225)				2 x 225				2 x 280				2 x 450															
traction sheave D_T [mm]	160	210	240	160	210	240	160	210	240	320	160	210	240	320														
for loads up to Q [kg]	500	375	320	675	500	450	1,000	750	630	500	1,500	1,250	1,000	800														
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]	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	1.75	5.0	1.3	5.0	1.2	5.0	2.3	6.5	1.7	6.5	1.5	6.5	3.0	9.0	2.3	7.0	2.0	7.0	1.5	7.0	4.2	12.0	3.2	10.0	2.8	10.0	2.1	10.0
0.63	2.2	7.5	1.7	5.0	1.5	5.0	2.8	9.0	2.2	6.5	1.9	6.5	3.8	12.0	2.9	9.0	2.5	9.0	1.9	7.0	5.4	17.0	4.1	12.0	3.6	12.0	2.7	10.0
1.0	3.5	9.0	2.7	7.5	2.3	7.5	4.5	11.5	3.4	9.0	3.0	9.0	6.0	15.0	4.6	12.0	4.0	12.0	3.0	9.0	8.5	20.5	6.5	17.0	5.7	17.0	4.2	12.0
1.6	-	-	4.3	11.0	3.7	9.0	-	-	5.5	14.0	4.8	11.5	-	-	7.3	17.5	6.4	15.0	4.8	12.0	-	-	10.4	26.0	9.1	20.5	6.8	17.0
2.0	-	-	5.3	13.5	4.7	11.0	-	-	6.9	16.0	6.0	14.0	-	-	9.1	22.0	8.0	17.5	6.0	15.0	-	-	13.0	32.0	11.3	26.0	8.5	20.5

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