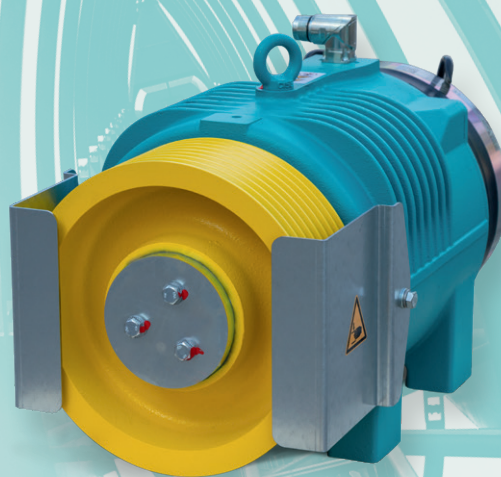


WSG-SF

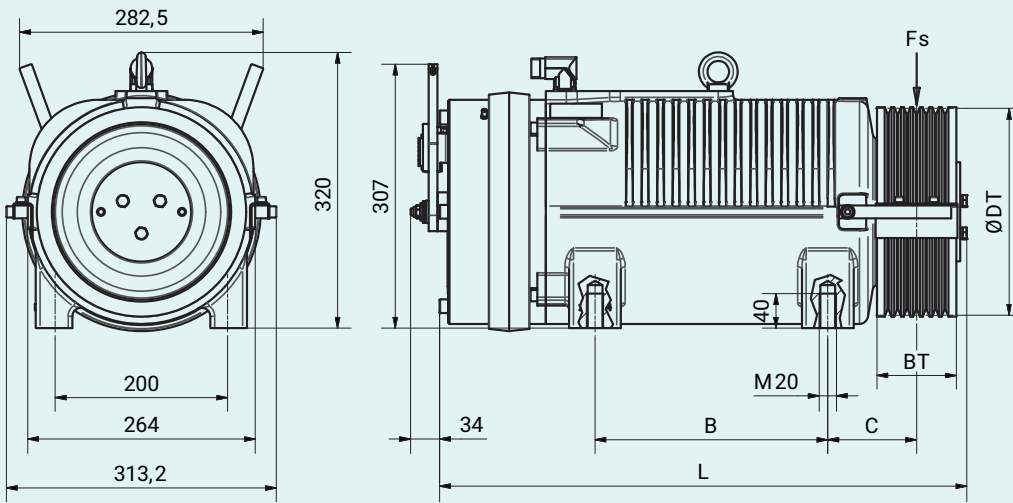
GEARLESS SYNCHRONOUS LIFT MACHINE



- ▶ 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.S		SF.4			
dia. D _T	160	210	240	160	210	240	160	210	240	320	240	320	160	210	240	320
B _T	130	120	92	130	120	92	130	120	92	105	92	105	130	120	92	105
C	133.5	117	103	133.5	117	103	133.5	117	103	109.5	103	109.5	133.5	117	103	109.5
L	532	520	501	532	520	501	660	636	617	617	617	617	660	636	617	617
B	190			190			270				270		270			
m _c [kg]	121			128			153				162		167			
J _c [kgm ²]	0.13	0.16	0.18	0.14	0.17	0.19	0.15	0.18	0.21	0.58	0.20	0.60	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.S				WSG-SF.4														
torque (S3-40%) M _N [Nm]	140				180				240				290				340														
max. torque M _{max} [Nm]	250				320				430				520				610														
brake torque M _{br} [Nm]	2 x 150 / (2 x 225)				2 x 225				2 x 280				2 x 450				2 x 450														
traction sheave D _T [mm]	160	210	240	160	210	240	160	210	240	320	240	320	160	210	240	320															
for loads up to Q [kg]	500	375	320	675	500	450	1,000	750	630	500	800	630	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]	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	4.8	13.2	-	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	7.7	19.4	5.8	19.4	-	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	-	7.3	19.4	-	-	11.3	26.0	8.5	20.5		

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