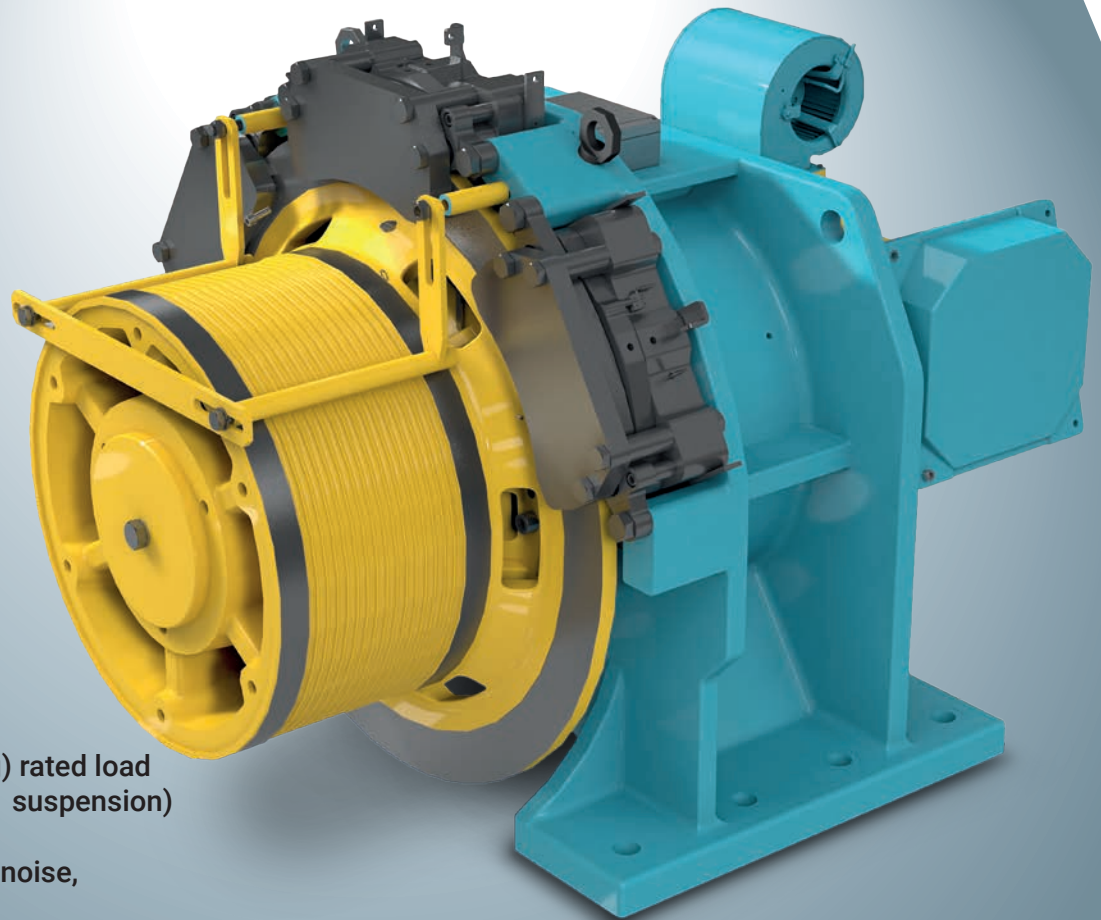


WSG-29 / WGG-29

GEARLESS SYNCHRONOUS TRACTION MACHINE

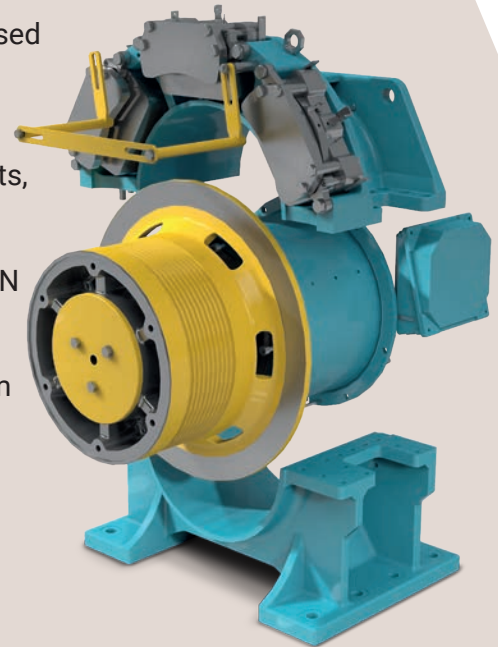


- High performance:
up to 11000 lbs (5000 kg) rated load
and 16,4 ft/s (5 m/s) (2:1 suspension)
- High energy efficiency
- Extremely low operating noise,
excellent ride comfort
- Rope tension in all directions
- Customized bed plates available
- Compliant with ASME A17.1
- UL / CSA approved.

WSG-29 / WGG-29

GEARLESS SYNCHRONOUS TRACTION MACHINE

- For fast elevators with an excellent ride comfort (suspension 2:1 up to 16,4 ft/s)
- Compact and extremely powerful
- High efficiency, reduced power consumption, extremely low-noise level
- Solid construction for permissible shaft loads FS at the traction sheave up to 300,000 N
- Safety brake system with electro-magnetical release, two/three multi-pole spring-operated brakes with a holding braking torque $2/3 \times 4,600\text{Nm}$, 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
- Interchangeable traction sheave, positive locking with rotor, groove profiles according to elevator system
- Synchronous motor, 22-pole, with high-efficiency permanent magnets, insulation class 155 (F), low noise ventilation, temperature control, terminal box
- Inverter compatible measuring devices (e. g. SENDIX; ECN 413; ERN 487)
- Degree of protection IP 23M/IP 12S
- Variable options regarding voltage, speed, torque, measuring system and traction sheave parameters
- Compliant with ASME A17.1
- **Also available in WGG execution with patented split housing for High-Rise modernization**



Machine		WSG-29.1 / WGG			WSG-29.2 / WGG			WSG-29.3 / WGG		
torque S1, (S3-40%)	M _N [Nm]	2400 (3800)			3100 (4900)			4000 (6300)		
max. torque	M _{max} [Nm]	7000			9000			11600		
brake torque	M _{br} [Nm]	2 x / 3 x 4600			2 x / 3 x 4600			3 x 4600		
traction sheave	Ø D _T [mm]	650			650			650		
for rated loads	Q [kg]	up to 2750 ... 3000			up to 3200 ... 4000			up to 4000 ... 5000		
suspension		table applies for 2:1								
Motor currents applicable to 500...620 V DC link voltage	v [m/s]	n _N [rpm]	P _N (S1) [kW]	I _N (S1) [A]	n _N [rpm]	P _N (S1) [kW]	I _N (S1) [A]	n _N [rpm]	P _N (S1) [kW]	I _N (S1) [A]
	1,0	59	14,8	48	59	19,2	59	59	24,7	74
	2,0	118	29,7	89	118	38,3	107	118	49,4	130
	3,0	176	44,2	120	176	57,1	153	176	73,7	208
	4,0	235	59,1	179	235	76,3	213	235	98,4	257
	5,0	294	73,9	212	294	95,4	265	294	123	345

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