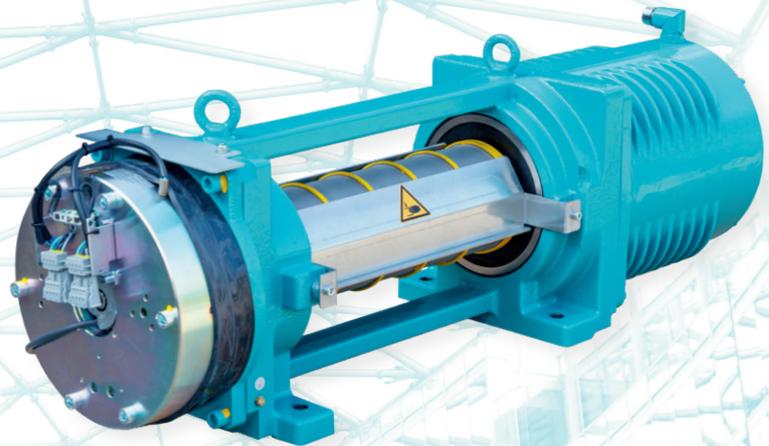


## WSG-TB.M for North America

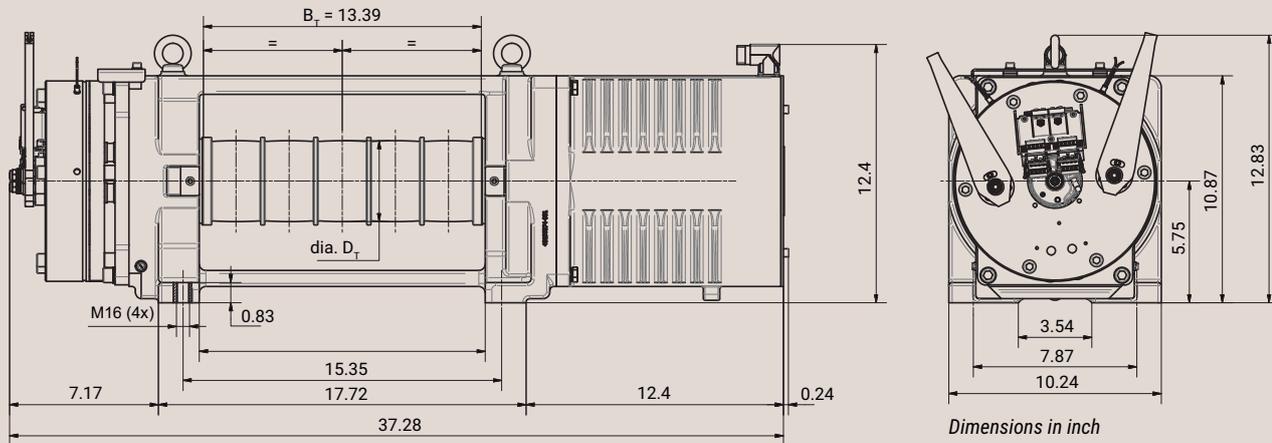
Belted Gearless Machine for MRL Applications



- ▶ ACPM Synchronous Gearless Machine for the North American Market
- ▶ With FT-1 Fire Rated Flat Belts
- ▶ According to ASME A17.1/B44 with TÜV certification for UL/CSA standards
- ▶ Shaft loads up to 7,860 LBS
- ▶ Up to 4,500 lbs Capacity, 2:1 Roping

# WSG-TB.M for North America

## Belted Gearless Machine for MRL Applications



### FEATURES

- Machine weight less than 500 lbs
- Specially designed for five flat belts (With Belt Sizing 30 mm)
- ECN 1313 EnDat Encoder as standard with 2048 pulses per revolution
- Low-vibration and quiet operation thanks to a perfectly matching magnet design
- For MRL Applications Up to 150' Travel
- Safety brake system with electro-magnetical release, manual release as an option, contacts for brake control, dust cover for the brake air gap
- Independent brake system holds 125 % rated capacity (with Separate Emergency and Standard Braking)
- Synchronous motor, 16-pole, with high-efficiency permanent magnets, insulation class 155 (F)

Motor type		WSG-TB.M
torque (S3-40 %)	$M_N$ [ft-lbs]	215
max. torque	$M_{max}$ [ft-lbs]	385
brake torque	$M_{br}$ [ft-lbs]	2 x 255

Application data	Roping	2 : 1								
	for Car Speed	150 fpm			200 fpm			350 fpm		
	Capacity	$n_A$ [rpm]	$P_A$ [hp]	$I_A$ [A]	$n_A$ [rpm]	$P_A$ [hp]	$I_A$ [A]	$n_A$ [rpm]	$P_A$ [hp]	$I_A$ [A]
Suitable for 400 V Supply voltage	2100 lbs	291	5.2	14.3	388	7.2	14.4	567	12.9	25.9
	2500 lbs		6.0	16.8		8.2	17.0		15.3	30.7
	3000 lbs		7.0	19.9		9.6	20.2		18.0	36.6
	3500 lbs		8.1	23.1		11.0	23.3		20.3	42.5
	4000 lbs		9.1	26.2		12.3	26.4			
	4500 lbs		10.2	29.4		13.7	29.6			

Reference values with 50 % counterweight and with belt weight compensation. Achievable power and current depends on specific elevator system data.

WSU-TB.M-0E382 dia. $D_T = 3.94"$	WSU-TB.M-0E611 dia. $D_T = 4.72"$
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