

WSG-TB.M for North America

Belted Gearless Machine for MRL Applications



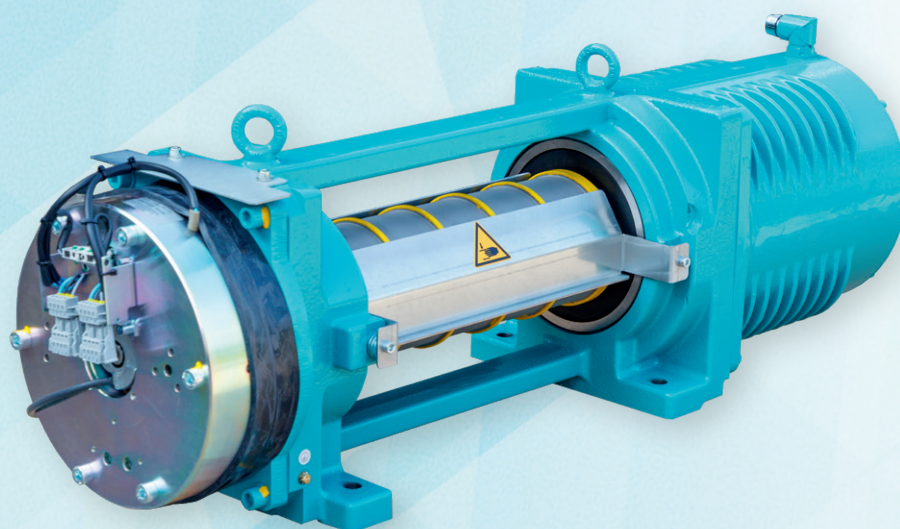
Residential



Homelift



Modernisation

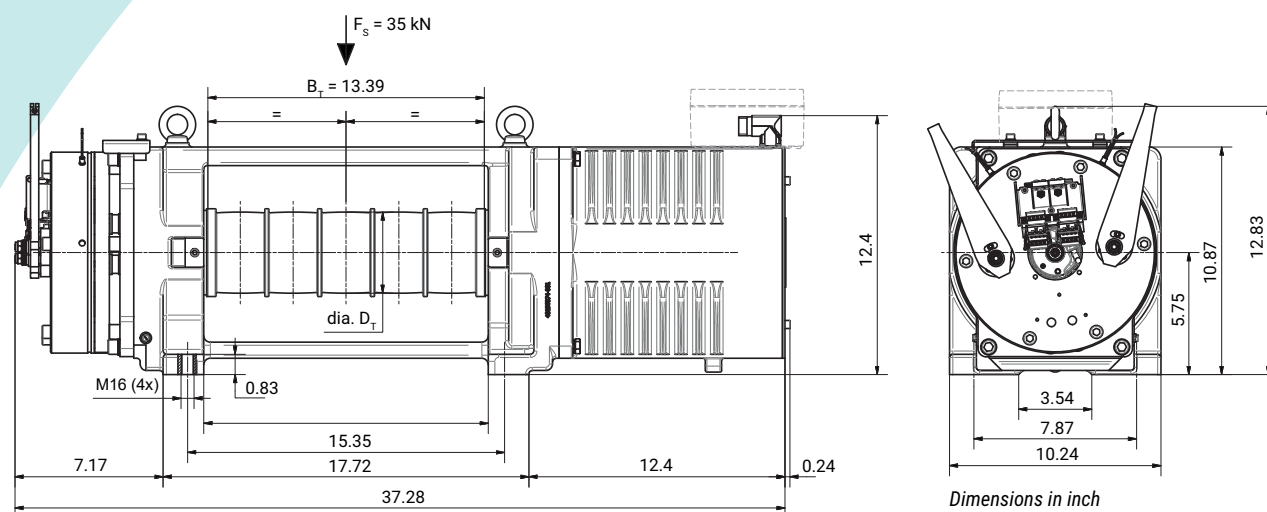


- ▶ ACPM Synchronous Gearless Machine for the North American Market
- ▶ With FT-1 Fire Rated Flat Belts
- ▶ According to ASME A17.1/B44 with TÜV certification for UL/CSA standards
- ▶ Shaft loads up to 7,860 LBS
- ▶ Up to 4,500 lbs Capacity, 2:1 Roping

RISE WITHOUT LIMITS

WSG-TB.M for belts sizing 30 mm

Belted Gearless Machine for MRL Applications



FEATURES

- Machine weight less than 430 lbs
- Specially designed for five flat belts (With Belt Sizing 30 mm - 1.18 in)
- 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
- Power connection via terminal box or connector
- 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	195
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	6.9	15.5	388	9.3	15.5	567	16.2	29.2
	2500 lbs		8.1	18.0		10.7	18.0		18.8	33.9
	3000 lbs		9.5	21.1		12.6	21.1		22.1	39.8
	3500 lbs		10.9	24.2		14.5	24.2		25.4	45.7
	4000 lbs		12.3	27.3		16.3	27.3			
	4500 lbs		13.7	30.4		18.2	30.4			

Reference values with 50 % counterweight and without belt weight compensation. Achievable power and current depends on specific elevator system data.

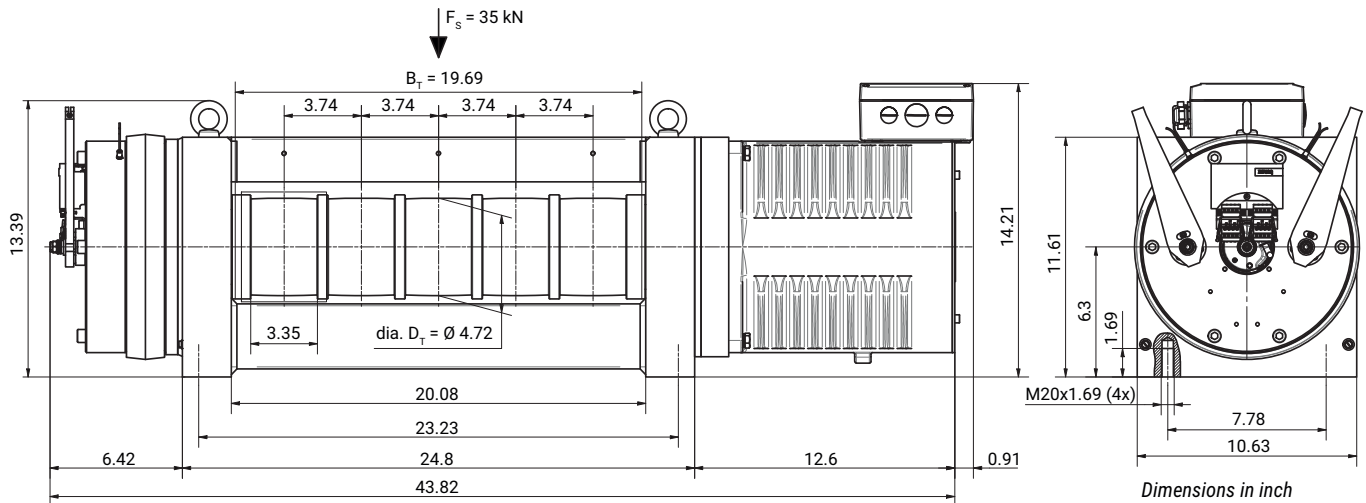
WSU-TB.M-5E382 dia. D_T = 3.94"	WSU-TB.M-5E611 dia. D_T = 4.72"
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Contact a Wittur Sales Professional and permit us to assist you.

Wittur USA Inc., 7852 Bavaria Road, Twinsburg, OH 44087 USA, Phone +1 (216) 524 0100, info.us@wittur.com

WSG-TB.M - XL for belts sizing 60 mm

Belted Gearless Machine for MRL Applications



FEATURES

- Machine weight less than 575 lbs
- Specially designed for five flat belts (With Belt Sizing 60 mm - 2.36 in)
- 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
- Power connection via terminal box or connector
- 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-XL	
torque (S3-40 %)	M_N [ft-lbs]	215	195
max. torque	M_{max} [ft-lbs]	385	
brake torque	M_{br} [ft-lbs]	2 x 330	

Application data		2 : 1								
		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	243	7.8	21.0	325	10.4	21.0	567	18.3	33.0
	2500 lbs		9.0	24.0		12.7	24.0		20.9	37.7
	3000 lbs		10.4	27.7		13.8	27.7		24.2	43.6
	3500 lbs		11.8	31.5		15.7	31.5		27.5	49.5

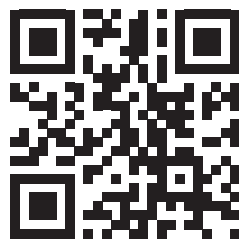
Reference values with 50 % counterweight and without belt weight compensation. Achievable power and current depends on specific elevator system data.

WSU-TB.M-6E382 dia. $D_T = 4.72$	WSU-TB.M-6E611 dia. $D_T = 4.72$
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RISE WITHOUT LIMITS



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