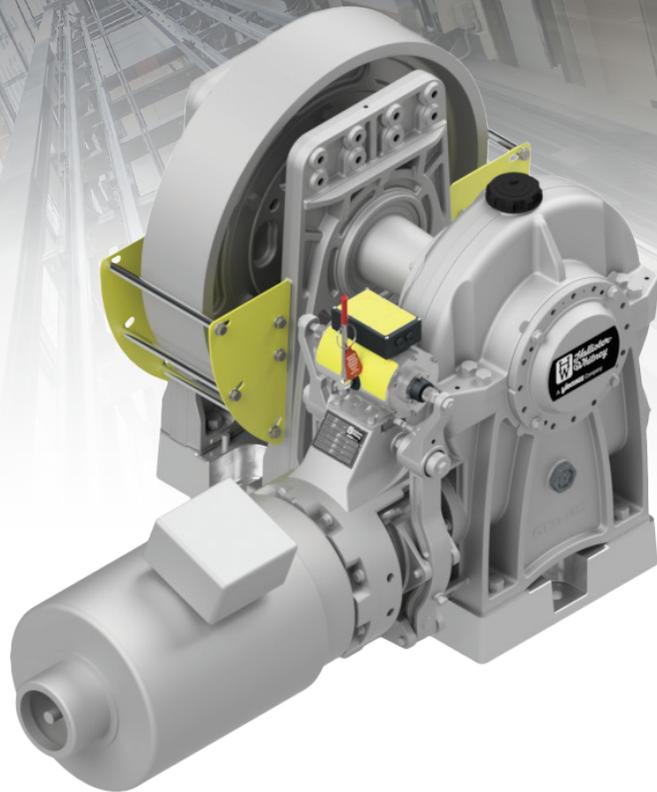


GT31 BS

Geared Traction Machine

POWERFUL, COMPACT & EASY TO INSTALL

Ideal for low to mid-rise traction elevator applications for new construction and modernization projects



BENEFITS

- Upstand easily removable for quick installation
- Allows up to 8" hoistway wall
- Simple motor coupling and brake adjustments
- Rope gripper mounting
- Easy installation, adjustments and preventative maintenance
- Flange mount motors dismount easily and simplify costly motor alignment

STANDARD FEATURES

- Approximate weight: Machine and base: 2435#
- Available with a 30-in. sheave and 26-in. on BS model
- Standard NEMA C-face motor interface
- Designed for machine room applications with VVVF A/C controls
- Operates at speeds of 50 to 500 ft/min (0.25 to 2.54 m/sec) and capacities of 2,000 to 6,000 lbs (907 to 2,722 kg) with 1:1 roping and 2,500 to 12,000 lbs (1134 to 5,443 kg) with 2:1 roping
- Smaller universal-fabricated ductile iron base
- LH and RH configurations
- Quiet braking solenoid
- Sealed bearings for reduced maintenance
- Enhanced bronze gear material
- Width*: 36.6"/930 mm
- Height*: 38.9"/988 mm (with 30" sheave)
- Length: 63.9"/1623 mm (with 30" sheave & 326TC motor)
- Maximum sheave shaft load 25,000 lbs

*Height and width vary by motor used.

OPTIONAL FEATURES

- Traction wheel rope retainer
- Machine guarding with rope guard
- Overhead applications
- Overhead deflector applications

WHEN ORDERING, PLEASE SPECIFY

- Operating capacity and speed
- Sheave diameter
- Power supply
- 1:1 or 2:1 roping
- Left or right hand
- Number, size and pitch of hoist rope
- Motors: 254TC, 256TC, 284TC, 286TC, 324TC, 326TC, 364TC and 365TC

1:1 ROPING, COUNTERWEIGHT @ 40% CAPACITY | 30" T.S. (2,000 TO 4,500 CAPACITY), 26" T.S. (5,000 TO 6,000 CAPACITY)

CAR CAPACITY	SUGGESTED HORSEPOWER AT SPEEDS OF:									
	100 F/M (0.51 M/S)	125 F/M (0.64 M/S)	150 F/M (0.76 M/S)	200 F/M (1.02 M/S)	250 F/M (1.27 M/S)	300 F/M (1.52 M/S)	350 F/M (1.78 M/S)	400 F/M (2.03 M/S)	450 F/M (1.13 M/S)	500 F/M (2.54 M/S)
2,000 (907 kg)	6.2	7.7	9.9	11.5	15.3	18.3	20.7	25.1	28.2	31.3
2,500 (1,133 kg)	7.5	9.4	11.9	13.8	18.1	21.7	24.5	29.5	33.2	36.9
3,000 (1,360 kg)	8.8	11	13.9	16	21	25.2	28.4	33.9	38.2	42.4
3,500 (1,588 kg)	10.2	12.7	15.9	18.3	23.8	28.6	32.3	38.3	43.1	47.9
4,000 (1,814 kg)	11.5	14.3	17.9	20.6	26.7	32	36.1	42.8	N/A	N/A
4,500 (2,041 kg)	12.6	16	19.8	22.9	29.5	35.4	40	47.2	N/A	N/A
5,000 (2,269 kg)	14.1	17.7	21.8	25.2	32.4	38.9	43.9	N/A	N/A	N/A
5,500 (2,500 kg)	15.5	19.3	23.8	27.5	35.3	42.3	N/A	N/A	N/A	N/A
6,000 (2,722 kg)	16.8	21	25.8	29.7	38.1	N/A	N/A	N/A	N/A	N/A

2:1 ROPING, COUNTERWEIGHT @ 40% CAPACITY | 30" T.S. (4,000 TO 9,000 CAPACITY), 26" T.S. (10,000 TO 12,000 CAPACITY)

CAR CAPACITY	SUGGESTED HORSEPOWER AT SPEEDS OF:					
	50 F/M (0.51 M/S)	100 F/M (0.51 M/S)	125 F/M (0.64 M/S)	150 F/M (0.76 M/S)	200 F/M (1.02 M/S)	250 F/M (1.27 M/S)
4,000 (1,814 kg)	6	10.4	12.9	16.1	20.7	26.9
4,500 (2,041 kg)	6.7	11.5	14.4	17.9	23	29.8
5,000 (2,269 kg)	7.4	12.7	15.9	19.7	25.3	32.6
5,500 (2,500 kg)	8.1	13.9	17.4	21.4	27.6	35.5
6,000 (2,722 kg)	8.8	15.1	18.9	23.2	29.9	38.4
7,000 (3,175 kg)	10.1	17.5	21.8	26.8	34.5	44.1
8,000 (3,629 kg)	11.5	19.9	24.8	30.4	39.2	N/A
9,000 (4,082 kg)	12.9	22.2	27.8	33.9	43.8	N/A
10,000 (4,536 kg)	14.2	24.6	30.8	37.5	N/A	N/A
12,000 (5,443 kg)	17	29.4	36.7	44.6	N/A	N/A



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