

# GT31 OD

## Geared Traction Machine

### POWERFUL, COMPACT & EASY TO INSTALL

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



### BENEFITS

- Easy installation, adjustments and preventative maintenance
- Flange mount motors dismount easily and simplify costly motor alignment
- Simple brake adjustments
- Eliminates machine room access limitations
- Removable deflector sheave upright assembly
- Removable and adjustable column supports
- Integrated rope gripper mounting options standard

### STANDARD FEATURES

- Designed for machine room applications with VVVF A/C controls
- Standard NEMA C-face motor interface
- Quiet braking solenoid
- Manual brake release
- Sealed bearings for reduced maintenance
- Enhanced bronze gear material
- Traction wheel rope retainer
- LH and RH configurations
- Smaller universal-fabricated ductile iron base
- Integrated Rope Gripper® mounting between traction sheave and deflector sheave for ease of serviceability
- Available with a 30-in. sheave
- Operates at speeds of 100 to 500 ft/min (0.51 to 2.54 m/sec) and capacities of 3,000 to 6,000 lbs (1,361 to 2,722 kg) with 1:1 roping
- Operates at speeds of 50 to 250 ft/min (0.51 to 1.27 m/sec) and capacities of 2,500 to 12,000 lbs (1,134 to 5,443 kg) with 2:1 roping
- Width: 39.4"/1,001mm
- Height: 83.2"/2,113mm
- Length\*: 65.9"/1,674mm
- Weight: 3,251 lbs not including motor
- Maximum sheave shaft load 25,000 lbs
- 25" Deflector Sheave with adjustable rope deflection

\* Length assumes 326TC motor

## OPTIONAL FEATURES

- Basement set applications
- Anchor layout template
- Anchor bolts

## FOR QUOTE, PLEASE SPECIFY

- Operating capacity and speed
- 1:1 or 2:1 roping
- Power supply

### HORSEPOWER SELECTION CHART / 1:1 ROPING, COUNTERWEIGHT 40% 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)
2,500 (1,133 kg)	GT11	GT11	GT11	GT11	GT11	GT11	GT11	29.5	33.2	36.9
3,000 (1,360 kg)	GT11	GT11	GT11	GT11	21.0	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	32.0	36.1	42.8	N/A	N/A
4,500 (2,041 kg)	12.6	16.0	19.8	22.9	29.5	35.4	40.0	47.2	N/A	N/A

### HORSEPOWER SELECTION CHART / 2:1 ROPING, COUNTERWEIGHT 40% 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)
4,500 (2,041 kg)	GT11	GT11	GT11	GT11	23.0	29.8
5,000 (2,269 kg)	GT11	GT11	GT11	GT11	25.3	32.6
5,500 (2,500 kg)	GT11	GT11	17.4	21.4	27.6	35.5
6,000 (2,722 kg)	GT11	GT11	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

Horsepower selection chart assumes 30-in sheave configuration.



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