

# GT11

## 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 disassembly and reassembly
- Eliminates machine room access limitations
- Simple motor coupling and brake adjustments
- Compact footprint; fits through 29.5" doors
- Easy installation, adjustments and preventative maintenance
- Flange mount motors dismount easily and simplify costly motor alignment

### STANDARD FEATURES

- Available with either a 22-in., 26-in., or 30-in. sheave
- Standard NEMA C-face motor interface
- Designed for machine room applications with VVVF A/C controls
- Operates at speeds of 100 to 500 ft/min (0.51 to 2.54 m/sec) and capacities of 1,000 to 3,000 lbs (454 to 1,361 kg) with 1:1 roping and 1,000 to 6,000 lbs (454 to 2,722 kg) with 2:1 roping
- Smaller universal-fabricated steel base with integrated Rope Gripper® mounting
- Weight: 1800 lbs not including motor
- LH and RH configurations
- Quiet braking solenoid
- Sealed bearings for reduced maintenance
- Enhanced bronze gear material
- Width\*: 28.4"/722mm
- Height\*: 40.6"/1032mm
- Length: 64"/1626mm
- Flange mounted motor for easy removal/replacement
- Traction wheel rope retainer
- Maximum sheave shaft load 17,000 lbs

\*Height and width assumes 30-in sheave and 326TC motor

## OPTIONAL FEATURES

- Basement set applications
- Overhead deflector applications
- Standard or seismic frame isolation
- Machine block-up assemblies

## 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
- Isolation dimensions (sheave centerline to beam centerlines on either side)

### 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)
1,000 (453 kg)	5 HP	5 HP	7.5 HP	10 HP	10 HP	12.5 HP	15 HP	20 HP	20 HP	25 HP
1,500 (680 kg)	5 HP	7.5 HP	10 HP	12.5 HP	12.5 HP	15 HP	20 HP	25 HP	25 HP	30 HP
2,000 (907 kg)	7.5 HP	7.5 HP	10 HP	15 HP	20 HP	20 HP	25 HP	30 HP	30 HP	35 HP
2,500 (1,133 kg)	7.5 HP	10 HP	12.5 HP	20 HP	20 HP	25 HP	30 HP	GT31	GT31	GT31
3,000 (1,360 kg)	10 HP	12.5 HP	15 HP	20 HP	GT31	GT31	GT31	GT31	GT31	GT31

### 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)
1,000 (453 kg)	5 HP	7.5 HP	5 HP	12.5 HP	7.5 HP	20 HP
1,500 (680 kg)	5 HP	7.5 HP	7.5 HP	12.5 HP	10 HP	20 HP
2,000 (907 kg)	5 HP	7.5 HP	7.5 HP	12.5 HP	12.5 HP	20 HP
2,500 (1,133 kg)	5 HP	10 HP	10 HP	12.5 HP	15 HP	20 HP
3,000 (1,361 kg)	5 HP	10 HP	10 HP	15 HP	20 HP	25 HP
3,500 (1,588 kg)	7.5 HP	12.5 HP	12.5 HP	15 HP	20 HP	25 HP
4,000 (1,814 kg)	7.5 HP	12.5 HP	15 HP	20 HP	25 HP	30 HP
4,500 (2,041 kg)	7.5 HP	15 HP	15 HP	20 HP	GT31	GT31
5,000 (2,269 kg)	7.5 HP	15 HP	20 HP	20 HP	GT31	GT31
5,500 (2,500 kg)	10 HP	20 HP	GT31	GT31	GT31	GT31
6,000 (2,722 kg)	10 HP	20 HP	GT31	GT31	GT31	GT31

Horsepower selection chart assumes 30-in sheave configuration.  
Horsepower required may be lower with smaller sheave diameter options.



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