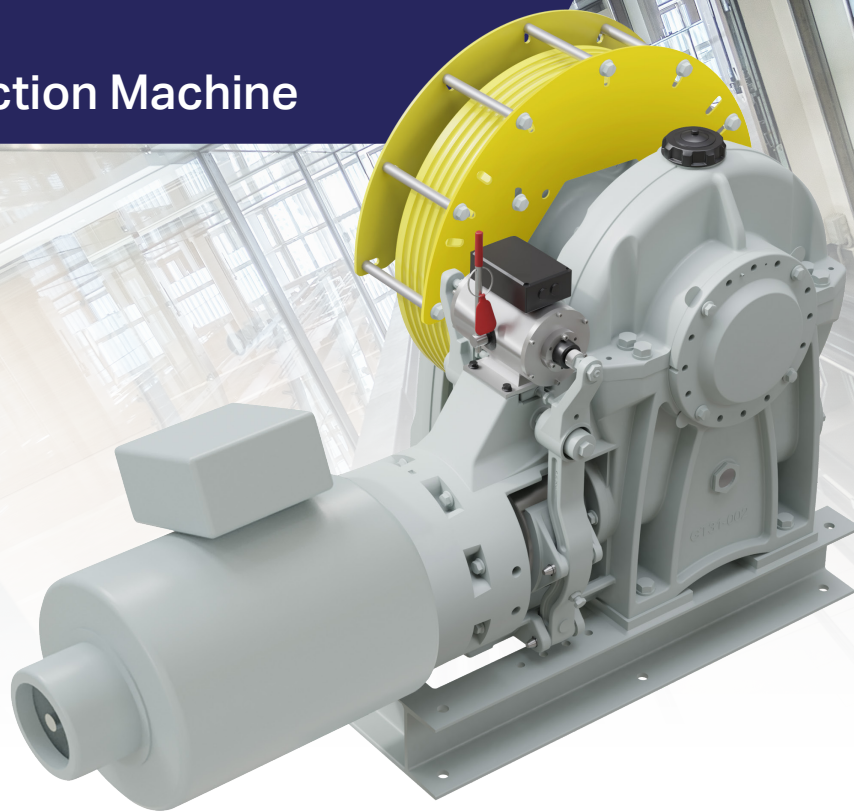


GT31

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 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 2,000 to 6,000 lbs (907 to 2,722 kg) with 1:1 roping
- Operates at speeds of 50 to 250 ft/min (0.25 to 1.27 m/sec) and capacities of 4,000 to 12,000 lbs (1,814 to 5,443 kg) with 2:1 roping
- Smaller universal-fabricated steel base with integrated Rope Gripper® mounting
- Weight 2,100 lbs not including motor
- LH and RH configurations
- Quiet braking solenoid
- Sealed bearings for reduced maintenance
- Enhanced bronze gear material
- Width: 28.8"/732 mm
- Height*: 43.6"/1108 mm
- Length*: 68"/1728 mm
- Flange mounted motor for easy removal
- Traction wheel rope retainer
- Maximum sheave shaft load 25,000 lbs

*Height and length assumes 30-in sheave and 326TC motor

OPTIONAL FEATURES

- 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 (2.29 M/S)	500 F/M (2.54 M/S)
2,000 (907 kg)	GT11	GT11	GT11	GT11	GT11	20 HP	25 HP	25 HP	30 HP	35 HP
2,500 (1,134 kg)	GT11	GT11	GT11	GT11	20 HP	25 HP	25 HP	30 HP	35 HP	40 HP
3,000 (1,361 kg)	10 HP	12.5 HP	15 HP	20 HP	25 HP	25 HP	30 HP	35 HP	40 HP	45 HP
3,500 (1,588 kg)	12.5 HP	15 HP	20 HP	20 HP	25 HP	30 HP	35 HP	40 HP	45 HP	50 HP
4,000 (1,814 kg)	12.5 HP	15 HP	20 HP	25 HP	30 HP	35 HP	40 HP	45 HP	50 HP	CF
4,500 (2,041 kg)	15 HP	20 HP	25 HP	25 HP	30 HP	40 HP	40 HP	50 HP	CF	CF
5,000 (2,268 kg)	15 HP	20 HP	25 HP	30 HP	35 HP	40 HP	45 HP	CF	CF	CF
5,500 (2,495 kg)	20 HP	25 HP	25 HP	30 HP	40 HP	45 HP	CF	CF	CF	CF
6,000 (2,722 kg)	20 HP	25 HP	30 HP	30 HP	45 HP	CF	CF	CF	CF	CF

CF = Contact Factory | Horsepower required may change with sheave diameter options.

Horsepower selection chart assumes 30-in sheave configuration capacity of 2,000 to 4,500 lbs (907 to 2,041 kg);

26-in sheave configuration capacities of 5,000 to 6,000 lbs (2,268 to 2,722 kg)

HORSEPOWER SELECTION CHART / 2:1 ROPING, COUNTERWEIGHT 40% CAPACITY

CAR CAPACITY	SUGGESTED HORSEPOWER AT SPEEDS OF:					
	50 F/M (0.25 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)	GT11	GT11	12.5 HP	20 HP	25 HP	GT11
4,500 (2,041 kg)	GT11	GT11	15 HP	20 HP	25 HP	30 HP
5,000 (2,268 kg)	GT11	15 HP	20 HP	20 HP	30 HP	35 HP
5,500 (2,495 kg)	GT11	15 HP	20 HP	25 HP	30 HP	40 HP
6,000 (2,722 kg)	GT11	20 HP	20 HP	25 HP	35 HP	40 HP
7,000 (3,175 kg)	12.5 HP	20 HP	25 HP	30 HP	35 HP	45 HP
8,000 (3,629 kg)	12.5 HP	25 HP	30 HP	35 HP	40 HP	CF
9,000 (4,082 kg)	15 HP	25 HP	30 HP	35 HP	45 HP	CF
10,000 (4,536 kg)	15 HP	25 HP	35 HP	40 HP	CF	CF
12,000 (5,443 kg)	20 HP	30 HP	40 HP	45 HP	CF	CF

CF = Contact Factory | Horsepower required may change with sheave diameter options.

Horsepower selection chart assumes 30-in sheave configuration capacity of 4,000 to 9,000 lbs (1,814 to 4,082 kg);

26-in sheave configuration capacities of 10,000 to 12,000 lbs (4,536 to 5,443 kg)

COMMON SPARE PARTS LOCATED AT VANTAGE RSC



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