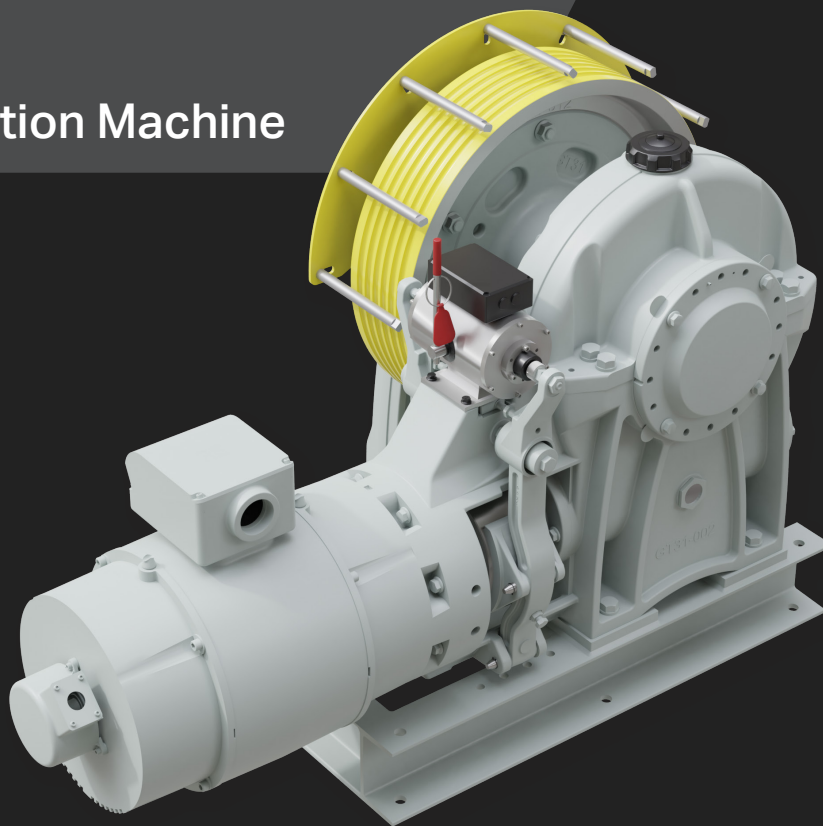


GT31

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 3,000 to 6,000 lbs (1,361 to 2,722 kg) with 1:1 roping and 3,000 to 12,000 lbs (1,361 to 5,554 kg) with 2:1 roping
- Smaller universal-fabricated steel base with integrated Rope Gripper® mounting
- LH and RH configurations
- Quiet braking solenoid
- Sealed bearings for reduced maintenance
- Enhanced bronze gear material
- Width: 28.85"/733mm
- Height 43.3"/105mm
- Length 65.5"/166.4mm
- Flange mounted motor for easy removal/replacement

OPTIONAL FEATURES

- Traction wheel rope retainer
- Machine guarding with rope guard
- Basement set applications
- Overhead deflector applications
- Standard or seismic frame isolation
- Machine block-up assemblies
- Maximum sheave shaft load 25,000 lbs

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)	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 (1,136 kg)	CF	CF	CF	CF	CF	CF	40 HP	40 HP	40 HP
3,000 (1,361 kg)	CF	CF	CF	25 HP	30 HP	40 HP	40 HP	40 HP	50 HP
3,500 (1,588 kg)	15 HP	20 HP	25 HP	30 HP	40 HP	40 HP	50 HP	50 HP	50 HP
4,000 (1,814 kg)	15 HP	20 HP	25 HP	30 HP	40 HP	50 HP	50 HP	50 HP	N/A
4,500 (2,041 kg)	15 HP	25 HP	30 HP	40 HP	40 HP	50 HP	50 HP	N/A	N/A
5,000 (2,269 kg)	15 HP	25 HP	30 HP	40 HP	50 HP	50 HP	N/A	N/A	N/A
5,500 (2,500 kg)	20 HP	25 HP	40 HP	40 HP	50 HP	N/A	N/A	N/A	N/A
6,000 (2,722 kg)	20 HP	30 HP	40 HP*	50 HP	N/A	N/A	N/A	N/A	N/A

CF: Contact Factory

HORSEPOWER SELECTION CHART / 2:1 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)
2,500 (1,136 kg)	CF	CF	CF	CF	20 HP
3,000 (1,361 kg)	CF	CF	CF	CF	25 HP
3,500 (1,588 kg)	15 HP	15 HP	20 HP	25 HP	30 HP
4,000 (1,814 kg)	15 HP	15 HP	20 HP	25 HP	30 HP
4,500 (2,041 kg)	15 HP	20 HP	20 HP	30 HP	40 HP
5,000 (2,269 kg)	15 HP	20 HP	25 HP	30 HP	40 HP
5,500 (2,500 kg)	20 HP	20 HP	25 HP	40 HP	40 HP
6,000 (2,722 kg)	20 HP	25 HP	25 HP	40 HP	50 HP
7,000 (3,176 kg)	20 HP	25 HP	30 HP	40 HP	50 HP
8,000 (3,629 kg)	25 HP	30 HP	40 HP	50 HP	N/A
10,000 (4,537 kg)	30 HP	40 HP	40 HP	N/A	N/A
12,000 (5,444 kg)	40 HP	40 HP	50 HP	N/A	N/A



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