

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 disassembly and reassembly
- Eliminates machine room access limitations
- Simple motor coupling and brake adjustments
- Easy installation, adjustments and preventative maintenance
- Flange mount motors dismount easily and simplify costly motor alignment

STANDARD FEATURES

- Available with a 30-in. sheave
- Standard NEMA C-face motor interface
- Operates at speeds of 50 to 500 ft/min (0.25 to 2.54 m/sec) and capacities of 2,000 to 4,500 lbs (907 to 2,041 kg) with 1:1 roping
- Operates at speeds of 50 to 250 ft/min (0.25 to 1.27 m/sec) and capacities of 2,500 to 9,000 lbs (1,134 to 4,082 kg) with 2:1 roping
- Integrated Rope Gripper® mounting between traction sheave and deflector sheave for ease of serviceability
- Weight: 3,251 lbs not including motor
- LH and RH configurations
- Quiet braking solenoid
- Sealed bearings for reduced maintenance
- Enhanced bronze gear material
- Width: 39.4"/1000 mm
- Height: 83.2"/2113 mm
- Length*: 63.9"/1623 mm (with 326TC motor)
- Flange mounted motor for easy removal
- Traction wheel rope retainer
- Maximum sheave shaft load 25,000 lbs
- 25" Deflector Sheave with adjustable rope deflection
- Removable deflector sheave upright assembly
- Removable and adjustable column supports
- Universal cast base

*Length varies by motor used. Measured from rear most part to end of motor.

OPTIONAL FEATURES

- Basement set applications
- Anchor layout template
- Anchor bolts

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

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

COMMON SPARE PARTS LOCATED AT VANTAGE RSC



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