

GLV-40S1

1:1 SWT Gearless Traction Machine



POWERFUL EFFICIENT VERSATILE

**Ideal for Modernization and
New Construction 1:1 Single
Wrap Traction (SWT) Overhead
Traction Applications**

GENERAL SPECIFICATIONS

- Speed: Up to 500 fpm
- Capacity: Up to 4,000 Lbs.
- Roping: 1:1 - Single Wrap Traction
- Drive Sheave Diameters: 20" or 25"
- Maximum Sheave Shaft Load: 22,000 Lbs.
- Grooving: Up to 9 - 1/2" or 7 - 5/8" Ropes
- Counterweight %: 40 - 50%
- Machine Weight: 4,180 Lbs.
- Physical Dimensions: 39.82" W x 41.65" H x 40.66" D

BENEFITS

- Compact Design Inclusive of Outboard Bearing Post
- Armless Block Brakes – Quiet | Fewer Moving Parts
- 40 – 50% Counterweighting¹
- High-Grade Rare Earth Magnets – High Torque, Low Temperature
- Highly Efficient / Lower Power Consumption
- Low Audible Noise
- Passenger Comfort - Smooth Stepless Motor Control
- Low Force Required for Manual Brake Release

STANDARD FEATURES

- Superior 30 Pole PMAC Motor Technology
- Four Block Brakes – Sets of Two are Independently Controlled and capable of stopping and holding 125% of rated capacity²
- Sheave Removal / Replacement Using Standard Field Tools
- Serviceable Bearings
- Heidenhain ECN 1313 - 2048 PPR - EnDat Digital Encoder with Standard 60 in. Pigtail Fitted with Round 17 PIN Coupling
- Thermal Protection Device
- Rope Retention – Continuous Adjustable to Arc of Contact
- CSA listed

¹ At the time of this publication, the technical specifications are based on 50% counterweighting. Please contact your Hollister Whitney sales professional for lower counterweight percentages and be sure to check www.hollisterwhitney.com/products/ for periodic product updates and product additions.

² Although a rope brake is optional for a dual independently controlled machine brake systems capable of stopping and holding 125% of rated capacity, for those that specify the Emergency Brake to operate directly on the suspension means, Hollister Whitney ACPM Gearless machines are engineered to easily incorporate a RopeGripper mitigating loss of traction potential.

OPTIONS

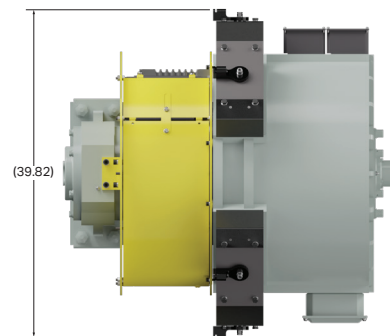
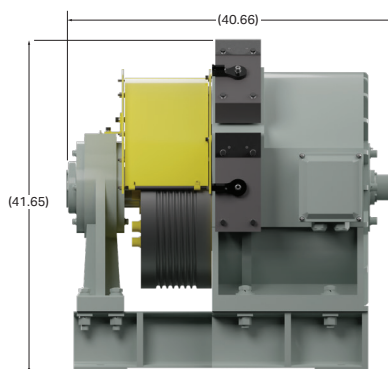
- Breakdown | Crating | Factory Personnel Reassembly Service
- Machine Bases With Deflector Sheave and Vibratory Isolation
- RopeGripper® Compatible²
- Shielded Encoder Cable Lengths - **KEB**: 15m (49 ft), 20m (65 ft), 30m (98 ft), 40m (131 ft), 50m (164 ft) and 75m (246 ft) | **Magnetek**: 20m (65 ft), 40m (131 ft), 50m (164 ft) and 100m (328 ft)
- Rope Guards
- Loose Deflector Sheaves
- Modernization and New Construction Design Services
- New Construction Complete Running Platforms Available
- Custom Grooving for Specific Applications

GLV-40S1 (20" WHEEL)

HW PART #	SPEED (FPM)	CAPACITY (LBS)	MOTOR RATING (HP)	POLES	RATED (RPM)	RATED VOLTAGE (V)	RATED FREQ (HZ)	RATED CURRENT (A)	RATED TORQUE (FT-LBS)	MAX ACCEL TORQUE (FT-LBS)	CWT (%)	SHEAVE DIA (IN.)
GLV-40S1-A-VS401A	200	2500	10.2	30	38	380	9.5	17.0	1409	2818	50	20
GLV-40S1-A-VS402A	350	2500	18	30	67	380	16.8	29.8	1409	2818	50	20
GLV-40S1-A-VS403A	500	2500	25.5	30	95	380	23.8	42.0	1409	2818	50	20
GLV-40S1-B-VS401A	200	3500	14.0	30	38	380	9.5	24.5	1941	3882	50	20
GLV-40S1-B-VS402A	350	3500	24.7	30	67	380	16.8	41.6	1941	3882	50	20
GLV-40S1-B-VS403A	500	3500	35.1	30	95	380	23.8	59.5	1941	3882	50	20
GLV-40S1-C-VS401A	200	4000	15.8	30	38	380	9.5	27.5	2185	4370	50	20
GLV-40S1-C-VS402A	350	4000	27.8	30	67	380	16.8	46.9	2185	4370	50	20
GLV-40S1-C-VS403A	500	4000	39.4	30	95	380	23.8	66.7	2185	4370	50	20

GLV-40S1 (25" WHEEL)

HW PART #	SPEED (FPM)	CAPACITY (LBS)	MOTOR RATING (HP)	POLES	RATED (RPM)	RATED VOLTAGE (V)	RATED FREQ (HZ)	RATED CURRENT (A)	RATED TORQUE (FT-LBS)	MAX ACCEL TORQUE (FT-LBS)	CWT (%)	SHEAVE DIA (IN.)
GLV-40S1-A-VS401B	200	2500	10.4	30	31	380	7.7	17.0	1764	3528	50	25
GLV-40S1-A-VS402B	350	2500	18.1	30	54	380	13.5	29.8	1764	3528	50	25
GLV-40S1-A-VS403B	500	2500	25.5	30	76	380	19	42.0	1764	3528	50	25
GLV-40S1-B-VS401B	200	3500	14.3	30	31	380	7.7	24.5	2428	4856	50	25
GLV-40S1-B-VS402B	350	3500	24.9	30	54	380	13.5	41.6	2428	4856	50	25
GLV-40S1-B-VS403B	500	3500	35.1	30	76	380	19	59.5	2428	4856	50	25
GLV-40S1-C-VS401B	200	4000	16.1	30	31	380	7.7	27.5	2731	5462	50	25
GLV-40S1-C-VS402B	350	4000	28.0	30	54	380	13.5	46.9	2731	5462	50	25
GLV-40S1-C-VS403B	500	4000	39.4	30	76	380	19	66.7	2731	5462	50	25



1 Hollister-Whitney Parkway
Quincy, IL 62305
Ph: 217.222.0466
Fax: 217.222.0493

info@hollisterwhitney.com
www.hollisterwhitney.com
sales@vantageelevation.com
www.vantageelevation.com



Chicago 877.300.5830
New York 347.226.4555
Miami 877.241.9354
L.A. 877.300.5816
Toronto 888.425.2262