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 – ½” or 7 - ¾” 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% Counterweighting\(^1\)
• 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 capacity\(^2\)
• 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

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\(^1\) 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.
GLV-40S1 1:1 Gearless Traction Machine

OPTIONS

- Breakdown | Crating | Factory Personnel Reassembly Service
- Machine Bases With Deflector Sheave and Vibratory Isolation
- RopeGripper® Compatible
- 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)

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<th>SPEED (FPM)</th>
<th>CAPACITY (LBS)</th>
<th>MOTOR RATING (HP)</th>
<th>POLES</th>
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GLV-40S1 (25” WHEEL)

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