

# GLV-40D1

## 1:1 DWT Gearless Traction Machine

### COMPACT EFFICIENT VERSATILE

Ideal for Modernization  
and New Construction 1:1  
Double Wrap Traction (DWT)  
Overhead Traction Applications



### GENERAL SPECIFICATIONS

- Speed: Up to 800 fpm
- Capacity: Up to 4,000 lbs
- Roping: 1:1 – Double Wrap Traction
- Drive Sheave Diameter: 25"
- Maximum Sheave Shaft Load: 39,600 lbs
- Grooving: Up to (14) - 5/8" (25" Drive Sheave) Ropes
- Counterweight: 40 - 50%<sup>1</sup>
- Machine Weight: 5,300 lbs
- Physical Dimensions: 39.82" W x 41.49" H x 47.78" D

### BENEFITS

- Consume up to **40% Less Power** than Traditional Asynchronous Motors
- Low Audible Noise – *Best in Class Performance*
- Compact Design Inclusive of Outboard Bearing Post
- Armless Block Type Brakes – Quiet | Fewer Moving Parts
- High-Grade Rare Earth Magnets – Highly Efficient, High Torque
- Passenger Comfort - Smooth Stepless Motor Control
- Low Force Required for Manual Brake Release

### STANDARD FEATURES

- Superior 30 Pole PMAC Motor Technology
- Four Brakes – Sets of Two are Independently Controlled and Capable of Stopping and Holding 125% of Rated Capacity<sup>2</sup>
- Sheave Removal / Replacement Using Standard Field Tools
- 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 and Adjustable to Arc of Contact

### OPTIONS

- Machine Bases w/ Secondary and/or Deflector Sheave, and Vibratory Isolation. Loose Sheaves available.
- RopeGripper® Compatible<sup>1</sup>
- Shielded Encoder Cable Lengths - **KEB**: 15 m (49 ft), 20 m (65 ft), 30 m (98 ft), 40 m (131 ft), 50 m (164 ft) and 75 m (246 ft) | **Magnetek**: 20 m (65 ft), 40 m (131 ft), 50 m (164 ft) and 100 m (328 ft)
- Rope Guards
- Breakdown | Crating | Factory Personnel Reassembly Service
- Modernization Design Services and New Construction Running Platform / Design Services
- Custom Grooving For Specific Applications
- Loose Deflector or Compound Sheaves

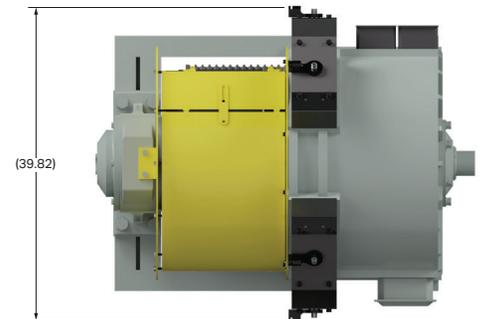
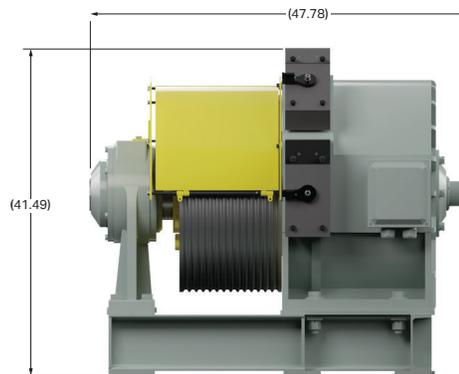
<sup>1</sup> Data is based on 50% counterweighting. Please contact your Hollister Whitney sales professional for lower counterweight percentages. Be sure to check [www.hollisterwhitney.com/products/](http://www.hollisterwhitney.com/products/) regularly for product updates.

<sup>2</sup> Although a rope brake is optional, Hollister Whitney GL machines are designed to incorporate the RopeGripper® which acts directly on the suspension means mitigating the risks associated with loss of traction.



**GLV-40D1 (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-40D1-A-V401B	400	2000	16	30	61	380	15.3	30	1398	2796	50	25
GLV-40D1-A-V402B	700	2000	28	30	107	380	26.8	53	1398	2796	50	25
GLV-40D1-A-V403B	800	2000	32	30	122	380	30.5	60	1398	2796	50	25
GLV-40D1-B-V401B	400	2500	20.5	30	61	380	15.3	38	1764	3528	50	25
GLV-40D1-B-V402B	700	2500	35.9	30	107	380	26.8	67	1764	3528	50	25
GLV-40D1-B-V403B	800	2500	40.9	30	122	380	30.5	75.8	1764	3528	50	25
GLV-40D1-C-V401B	400	3500	28.2	30	61	380	15.3	52.0	2428	4856	50	25
GLV-40D1-C-V402B	700	3500	49.4	30	107	380	26.8	92.1	2428	4856	50	25
GLV-40D1-C-V403B	800	3500	56.3	30	122	380	30.5	104.3	2428	4856	50	25
GLV-40D1-D-V401B	400	4000	31.7	30	61	380	15.3	58.5	2731	5462	50	25
GLV-40D1-D-V402B	700	4000	55.6	30	107	380	26.8	103.6	2731	5462	50	25
GLV-40D1-D-V403B	800	4000	63.3	30	122	380	30.5	106.6	2731	5462	50	25



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