TAB Series Heavy-Duty Transaxles

1 HP, Multi-Reduction, Helical gear, Differentiating

Allied Motion's TAB series heavy-duty transaxles are designed for battery-powered vehicles in pulling, pushing and ride-on applications. These durable transaxles are available with PMDC motors wound for 12 up to 240 VDC with the ability to output over 1 HP continuous shaft power.

In addition to powered push/pull applications, the TAB transaxles are well-suited for motorized transporter carts, AGVs, small electric construction vehicles, larger medical mobility devices, and other powered utility vehicles.

Features & Benefits

- Rated for 2000 lb (907 kg) vehicle weight
- Hardened steel and powder metal gears for durability and long life
- Cast aluminum gearbox to maximize strength and reduce weight
- Class B (130 °C) winding insulation
- Heavy-duty internal brush rigging, accessible for brush replacement
- Differentiating output shafts for smooth, jitter-free cornering
- Synthetic grease lubrication for long-life operation
- Ball bearing construction in both motor and gearbox
- 4-pole PMDC motor for high torque
- 1-inch (25.4 mm) dia. output shafts
- Modular design for easy motor, gearbox, or brake replacement
- Electromechanical holding brake, rated up to 60 lb-in, with override and controller feedback

Options

- High temperature Class H (180 °C) winding insulation
- Weather-proof (IP65) design
- Custom leads and/or connectors
- Versions without holding brake
- Square or round mounting provisions
- Custom output shaft
- Internal motor cooling fan



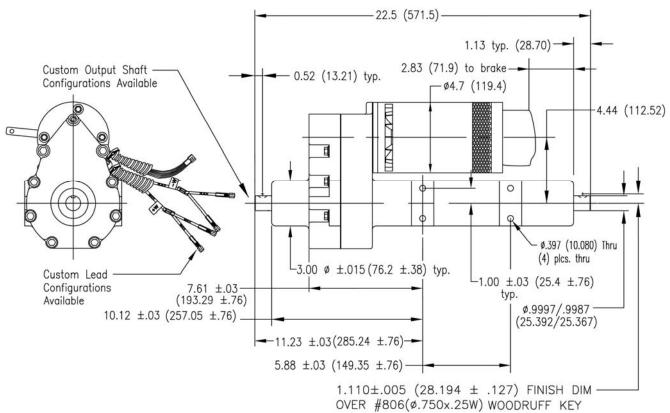
- Specially designed for heavyduty pushers-pullers and transporter cart applications up to 2000 lb (907 kg) vehicle weight
- 36 VDC PMDC motor; optional windings from 12 up to 240 VDC
- Over 1 HP continuous output shaft power

SPECIFICATIONS

| Model | Voltage | Gear | Weight | Rated Torque | Rated Speed | No-load Speed | | Current | | Rated Power |
|--------------|---------|---------|---------|--------------|-------------|---------------|------|---------|------|-------------|
| | (VDC) | Ratio | lb (kg) | lb-in (Nm) | RPM | RPM | Pk A | Rated A | NL A | HP (W) |
| GTB-51370018 | 36 | 30.87:1 | 40 (18) | 836 (94.5) | 78 | 90 - 104 | 147 | 30 | 2 | 1.03 (769) |
| GTB-51370006 | 36 | 15.5:1 | 40 (18) | 200 (22.6) | 233 | 234-271 | 236 | 22.5 | 4.5 | 0.74 (552) |

TAB Series Heavy-Duty Transaxle

DIMENSIONS

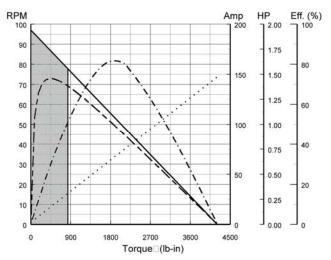


Dimensions shown are inches (mm)



PERFORMANCE

GTB-51370018



GTB-51370006

