

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.

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 heavy-duty 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

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

SPECIFICATIONS

Model	Voltage (VDC)	Gear Ratio	Weight lb (kg)	Rated Torque lb-in (Nm)	Rated Speed RPM	No-load Speed RPM	Current			Rated Power HP (W)
							Pk A	Rated A	NL A	
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)

