

Chassisdrive 14 Wheel motor

Compact, durable traction drives for electric powered equipment

For the past 50 years, Euclid Universal has worked to establish its position as a global leader in the power transmission field. Working with diverse Original Equipment Manufacturers, Euclid designs and builds gear drive systems for special applications where off-the-shelf items will not fit or meet exacting rugged duty performance requirements. While the competition adapts drives originally designed for completely different purposes such as automotive windshield wipers and industrial conveyors, Euclid Universal produces gearmotors, gearheads, speed reducers and transaxles custom-made to meet the unique needs of each customer.

Our flexibility in engineering and production affords rapid response in design, prototype and production. Requirements for either low- or high-volume orders can be handled within our facility at competitive costs. We test for sound and vibration issues to assure pre-established requirements are met on each shipment.



Features

- Field replaceable brake and motor
- High quality "EP" grease for maintenance-free operation
- Specifically designed as a self contained drive; simply bolt on and plug in
- Non-ventilated permanent magnet, series or SepEx motor
- Designed with quality seals and bearings, as well as hunter tooth gearing
- Available with or without a mechanical 6" disk brake, parking and service duty, or electric parking brake
- Main housing cast in corrosion resistant aluminum
- Designed with a 14" x 4.5" x 10.5" solid rubber X-grooved rubber tire. Options: grey non-marking, black wet traction, or polyurethane
- 34:1 or 44:1 total double reduction
- Identification tagged with serial number for easy tracking

Applications

- Floor care equipment
- Material handling
- Aerial work platforms
- Automated guided vehicles
- Load movers

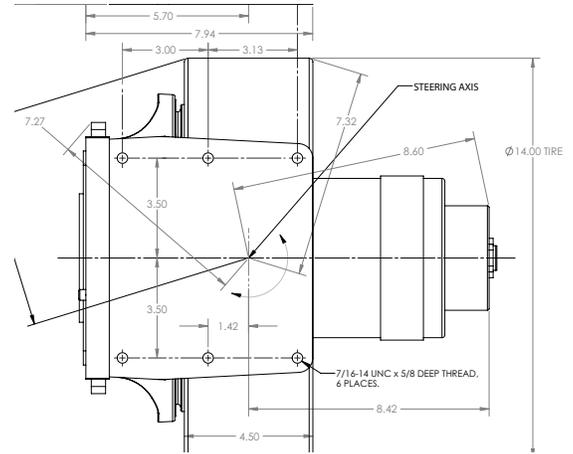
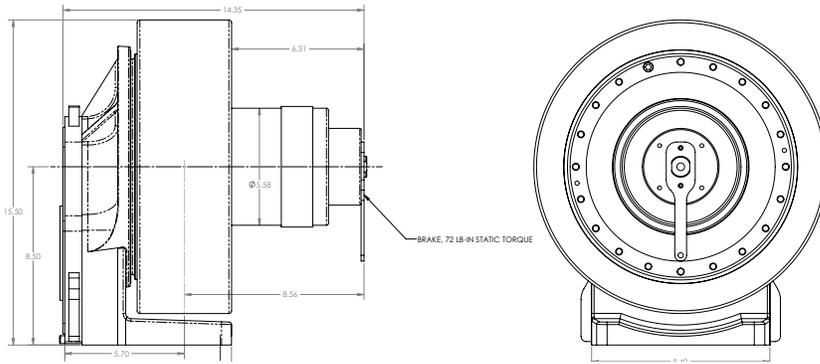


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Dimensions



Specifications

- Weight:** 125 lbs +/- options
- Housing:** Two piece cast aluminum
- Lubrication:** Extreme pressure grease
- Tire:** 14" H x 4.5" W x 10.5" ID, solid rubber X-grooved optional in non-marking gray or wet traction black, polyurethane
- Motor:** 140mm wound field (series or SepEx), 140mm AC, 4.6" PMDC
 - wound field 24, 36, 48V to 2hp continuous
 - AC 36V to 2hp continuous
 - PMDC 24, 36, 48V to 2hp continuous
- Speed:** 0-5 mph
- Wheel load:** 2000 lbs (rubber tire), 4000 lbs (polyurethane tire)
- Gearbox:** 34:1 or 44:1 total ratio, double reduction, helical primary, steel heat treated gears
- Brake*:**
 - Mechanical caliper 6" floating disk, 680 lb-ft @ wheel
 - Electric parking, 800 in-lb up to 3168 in-lb @ wheel
- Swing radius:** 6"-9" +/- options

*Note that each of the Wheel Motors are available with this brake. Refer to factory for part number.



Load tester at assembly bench



Computer-based vibration testing during assembly



P/N	MOTOR HP	MOTOR RMP	VOLTAGE	RATIO	TIRE TYPE	WHEEL LOAD	OUTPUT RPM	GROUND SPEED	OUTPUT TORQUE (CONT.)
14CD6542D44	1-1/4 HP	3200 RPM	36V SEPEX	44:1	RUBBER	2000 lbs.	73 RPM	3.03 mph	1083 in-lbs.
14CD6543D44	1-1/4 HP	3200 RPM	36V SEPEX	44:1	RUBBER	2000 lbs.	73 RPM	3.03 mph	1083 in-lbs.
14CD6542D32	1-1/4 HP	3200 RPM	36V SEPEX	32:1	RUBBER	2000 lbs.	100 RPM	4.16 mph	788 in-lbs.
14CD6543D32	1-1/4 HP	3200 RPM	36V SEPEX	32:1	RUBBER	2000 lbs.	100 RPM	4.16 mph	788 in-lbs.
14CD6544D44	1-1/4 HP	3200 RPM	36V SEPEX	44:1	POLYURETHANE	4000 lbs.	73 RPM	3.03 mph	1083 in-lbs.
14CD6545D44	1-1/4 HP	3200 RPM	36V SEPEX	44:1	POLYURETHANE	4000 lbs.	73 RPM	3.03 mph	1083 in-lbs.
14CD6544D32	1-1/4 HP	3200 RPM	36V SEPEX	32:1	POLYURETHANE	4000 lbs.	100 RPM	4.16 mph	788 in-lbs.
14CD6545D32	1-1/4 HP	3200 RPM	36V SEPEX	32:1	POLYURETHANE	4000 lbs.	100 RPM	4.16 mph	788 in-lbs.
14CD6546D44	2 HP	3800 RPM	36V PM	44:1	RUBBER	2000 lbs.	86 RPM	3.58 mph	1459 in-lbs.
14CD6547D44	2 HP	3800 RPM	36V PM	44:1	RUBBER	2000 lbs.	86 RPM	3.58 mph	1459 in-lbs.
14CD6546D32	2 HP	3800 RPM	36V PM	32:1	RUBBER	2000 lbs.	119 RPM	4.95 mph	1061 in-lbs.
14CD6547D32	2 HP	3800 RPM	36V PM	32:1	RUBBER	2000 lbs.	119 RPM	4.95 mph	1061 in-lbs.
14CD6548D44	2 HP	3800 RPM	36V PM	44:1	POLYURETHANE	4000 lbs.	86 RPM	3.58 mph	1459 in-lbs.
14CD6549D44	2 HP	3800 RPM	36V PM	44:1	POLYURETHANE	4000 lbs.	86 RPM	3.58 mph	1459 in-lbs.
14CD6548D32	2 HP	3800 RPM	36V PM	32:1	POLYURETHANE	4000 lbs.	119 RPM	4.95 mph	1061 in-lbs.
14CD6549D32	2 HP	3800 RPM	36V PM	32:1	POLYURETHANE	4000 lbs.	119 RPM	4.95 mph	1061 in-lbs.