



## 523 Transaxle traction drive

### Heavy duty, self-contained drive axle, including motor, gearbox, differential, brake and wheel hubs

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

- Cut steel helical double reduction gearing for smooth and efficient operation
- Splined interface between motor and gearbox for serviceability
- Permanent magnet and wound field motor options
- Motor diameter: up to and including NEMA 56F (6-5/8")
- Oil seals on axle shafts to fight dirt intrusion
- Ball bearing construction
- Corrosion resistant all aluminum housing
- Housing thru holes for additional mounting options
- Neoprene mounting sleeves
- Multiple gear ratio choices

### Specifications

- Operation: Bi-directional
- Power: < 2 hp
- Voltage: 24V, 36V, 48V
- Motor: Permanent magnet or wound field
- Load capacity: < 2000 lbs
- Ratio: 8.2:1, 11.1:1, 15.9:1, 23.2:1, 29.4:1
- Output speed: 80–550 rpm

### Options

- Custom axle shafts to 1" diameter max
- Wheel flanges
- Plating available for added corrosion resistance
- Parking brake
- Extended mounting lengths available per customer specification

### Applications

- Floor care equipment
- Material handling
- Tugs
- Electric lawn tractors
- Personnel vehicles
- Single person golf cars
- Load movers



**Euclid Universal®**

A Kinetek Company®

Euclid Universal  
 30500 Bruce Industrial Parkway, Suite B  
 Solon, OH 44139  
 Phone: (440) 349-4083  
 Fax: (440) 349-4894  
 Email: sales@imperialelectric.com  
 Web: eucliduniversal.com

Dimensions

