Brushless PM Motor

T 136 Torque Motor

Motor Parameters @ 77 °F / 25 °C		
Rated power	520 W	0.7 hp
Nominal Vin	24 VDC	
Rated torque @ 80 rpm	62.1 N·m	550 lbf·in
Max. no-load speed @ 21 V	200 rpm ± 10%	
Cooling type (ambient)	Free convection	
V_{emf}	100 V/krpm ± 10%	
Winding dc resistance	140 milliohms	
Winding inductance	500 µH	
Number of poles	28	
Max. winding temperature	148.9 °C	300 °F
Rotor inertia without brake	.005 kg·m^2	17 lb·in^2
Motor weight with brake	12 kg	26.4 lb
Motor weight without brake	10.9 kg	22 lb

Motor winding is 3-phase wye.
All data subject to change without notice.

System Features

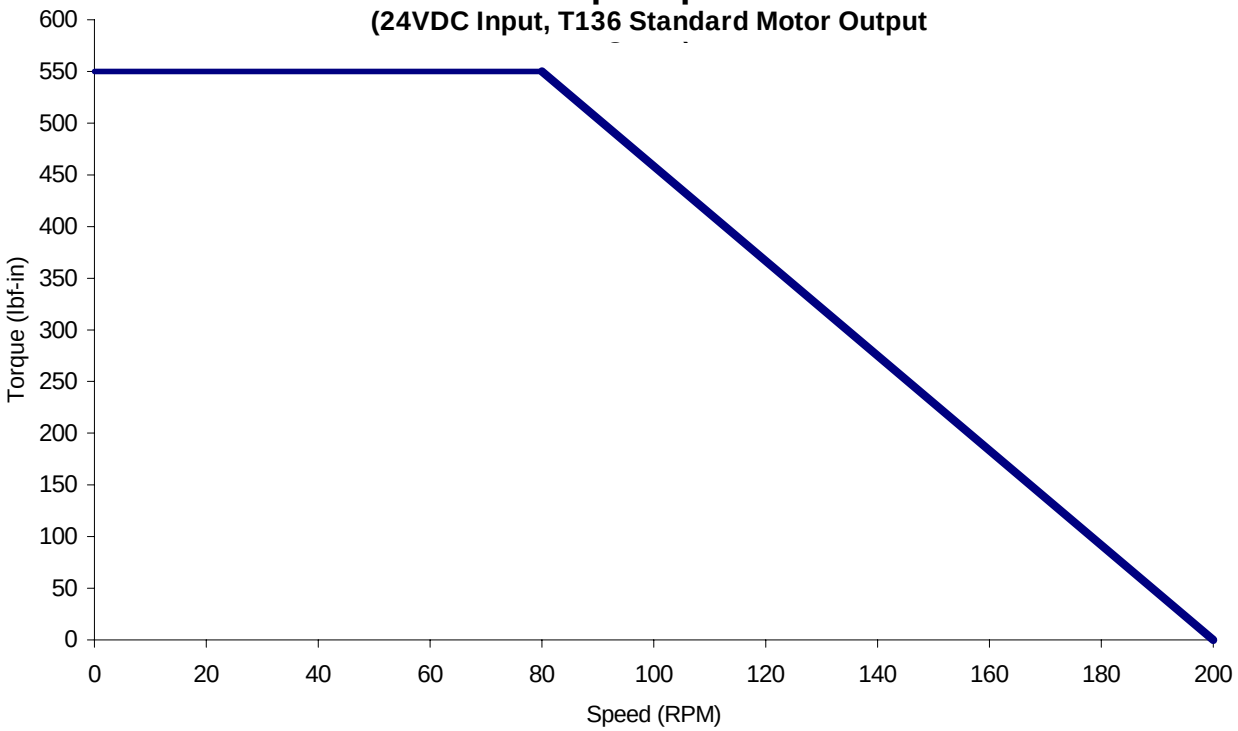
- **Low speed**
- **High torque**
- **Maximum efficiency**
- **Light weight**
- **High energy neodymium iron boron magnets**
- **High pole-count design for highest power density**
- **Hall Effect commutation sensing**

Options

- **Internally packaged holding brake**
- **Higher torque version 91.5 N·m (725 lbf·in)**

Motor Torque Speed Profile

(24VDC Input, T136 Standard Motor Output



T 136 Motor Dimensions

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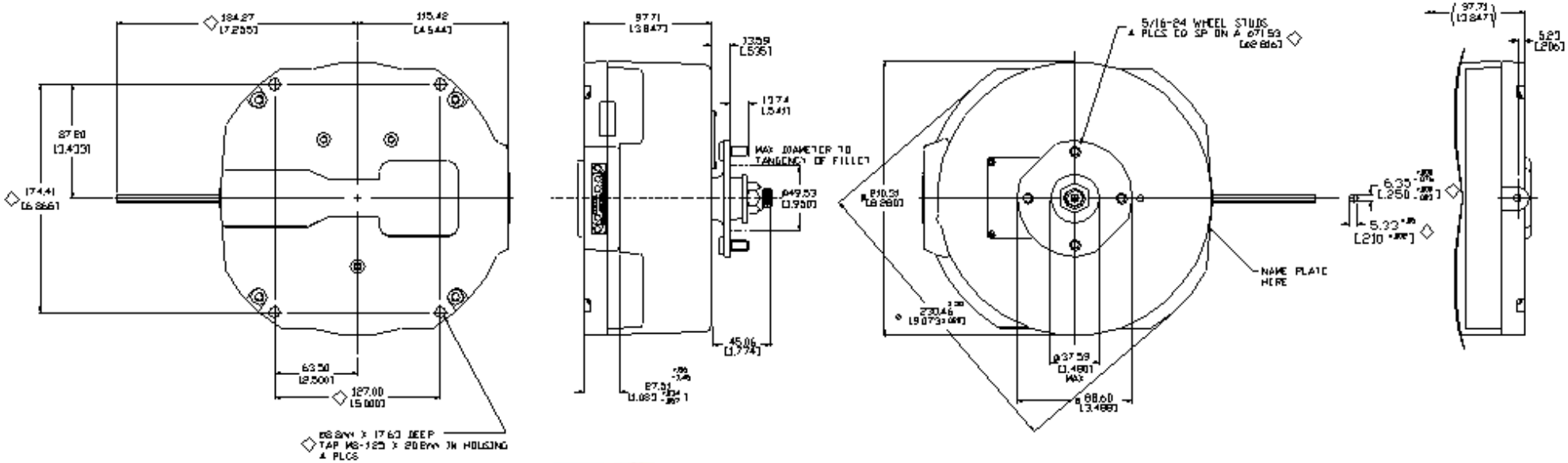

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