Specifications_



The UniDrive[®] motor has just one moving part, operates almost silently and gives you unprecedented flexibility in manufacturing lead time.

The new UniDrive[®] motor is a solution offering greater reliability and design freedom. The system is remarkably simple and cost effective. It consists of an externally-mounted direct drive brushless DC motor and an electronic speed control.

Extreme Reliability: 200,000 Hour Bearing Life

The new UniDrive[®] system uses an extremely reliable 4^{*}/_{*}inch diameter brushless DC servo-motor with an electronically-controlled operating speed of just 450 rpm. It produces high torque at low speed without using failureprone gear reducers, linkages or drive chains. The net result of the low speed combined with the robust bearings is a 193,000 hour calculated bearing life (L₁₀ ANSI/ AFBMA Std 9-1978.)

Almost Silent Operation

The UniDrive[®] motor is almost silent in operation at full power. There are no gears, drive chains or other moving parts to generate noise.

UniDrive[®] Motor 24VDC 160 Watt 110533

Plug and Play Simplicity

The UniDrive[®] motor controller is a rugged, reliable device that gives you a simple plug and play connection. You control your manufacturing lead-time.

Simple to Service

If a motor ever fails, it is easy to replace because it's mounted externally. Only one part number needs to be stocked for spares and repairs.

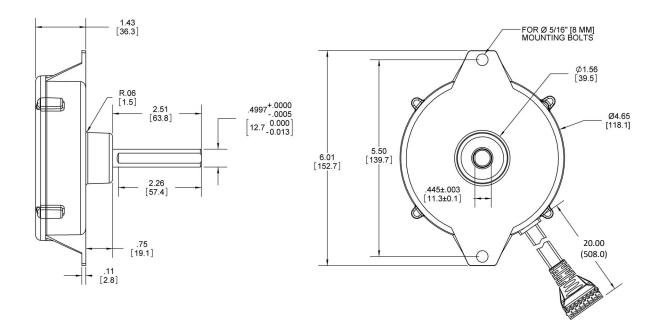
Features

- 24V brushless DC motor
- 4.63" Ø x 1.5"L
- Shaft 0.5"Ø x 2.5"L with flat
- 20" leads with connector
- 6.5-160W input
- 90-450 RPM
- 15 in-lbf continuous torque

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Specifications_



US Patent 7,537,107

Motor Series		160W24			
Description	U	US Units		Metric Units	
Input Power					
Voltage (rated)	24	VDC	24	VDC	
Amperage (rated)	6.5	Amps	6.5	Amps	
Amperage (no-load)	0.27	Amps	0.27	Amps	
Watts (rated)	156	Watts	156	Watts	
Output					
Speed (rated)	450	RPM	47.1	r/s	
Speed (minimum)	90	RPM	9.4	r/s	
Torque (continuous)	15	In·lbf	1.69	N∙m	
Torque (starting)	42	In·lbf	4.75	N∙m	
Motor Constants					
K _E (Back EMF)	42.2	V/kRPM	0.40	V/r/s	
K _T (Torque/Amp)	57.1	In∙oz/A	0.40	N·m/A	
R _T (Terminal Resistance)	0.67	Ohms	0.67	Ohms	

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For more information, contact: <u>Sales@AutomationControlsGroup.com</u> Telephone: (619) 677-6530



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