UniDrive® Motor

(UL Recognized)

Output Wattage from 25 - 120 Watts
24 VDC, D-Shaft or Keyed

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

The 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 with electronic speed control options.

Extreme Reliability: Up to 250,000 Hour Bearing Life*

The UniDrive® system uses an extremely reliable 4⅝-inch diameter brushless DC motor with an electronically controlled operating speed ranging from 55 to 700 RPM. It produces high torque at low speed without using failure-prone gear reducers, linkages, or drive chains. The net result of the lower speed combined with the robust bearings is a large, 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.

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
- Three shaft options
- 20" leads with connector
- 25W - 120W rated outputs
- Speed ranges from 55 - 700 RPM
- Up to 15 in-lbf continuous torque

*Based on wattage size.

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UniDrive®

S-UD22042501R01

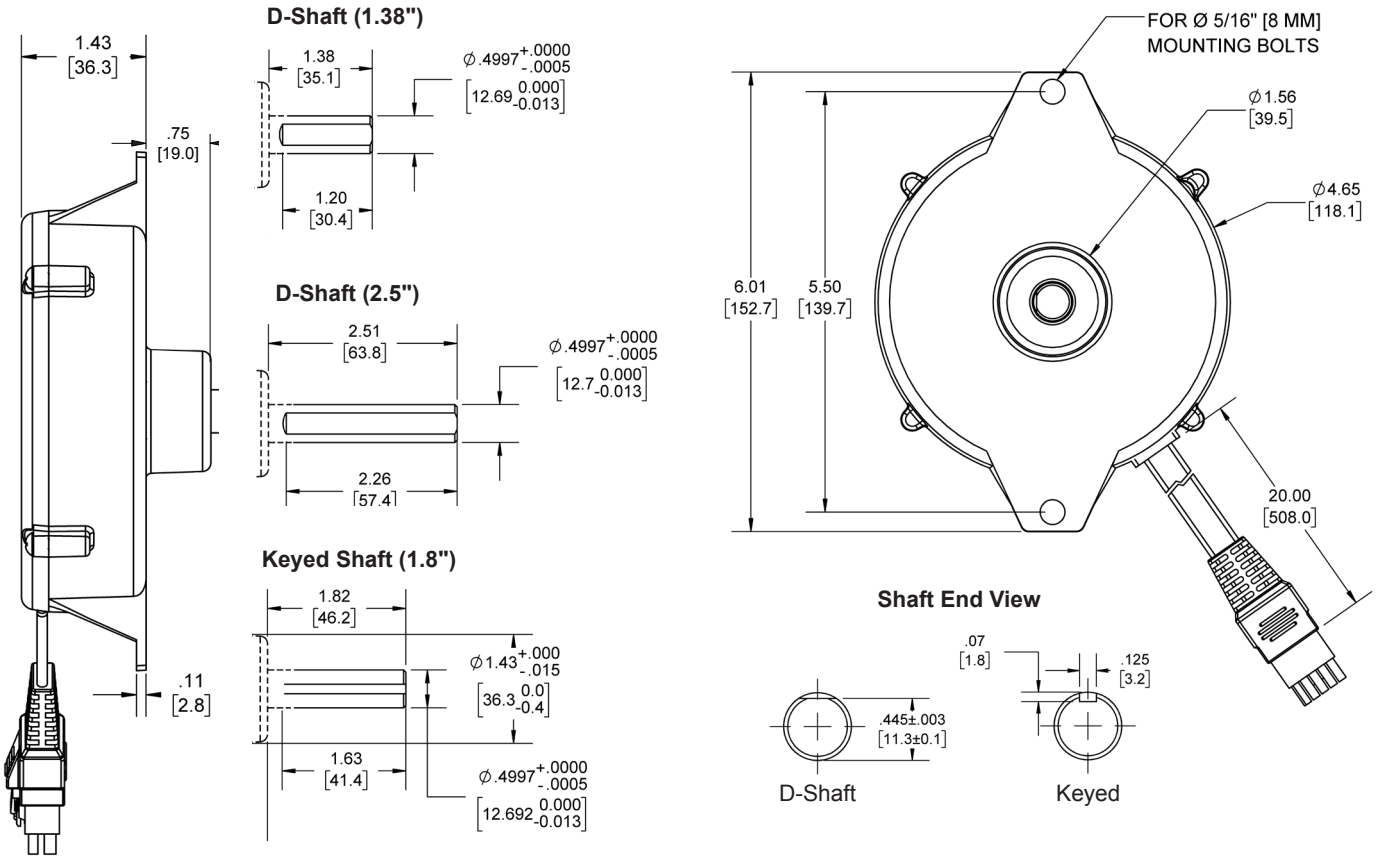
Automation ControlsGroup
Simplicity in Motion

SPECIFICATIONS

				INPUT			OUTPUT						
	Part Number	Shaft Type	Shaft (Inches)	Voltage (Rated)	Amperage (Rated)	Amperage (No-Load)	Rated Output Watts	Maximum Speed RPM	Torque at Max Speed	Rated Speed	Torque at Rated Speed	Minimum Speed	Stall/ Starting Torque
25W	300985	D-Shaft	2.5	24 VDC	2	0.2	25	350	3	280	8	70	>8
48W	300986	D-Shaft	2.5	24 VDC	3	0.2	48	280	10	250	15	55	>15
	301481	D-Shaft	1.38										
	301373	Keyed	1.8										
60W	300987	D-Shaft	2.5	24 VDC	4	0.3	60	350	15	350	15	70	>15
	301233	Keyed	1.8										
80W	300988	D-Shaft	2.5	24 VDC	5	0.4	80	450	15	450	15	90	>15
	301234	Keyed	1.8										
100W	300989	D-Shaft	2.5	24 VDC	6	0.5	100	560	15	560	15	110	>15
	301235	Keyed	1.8										
120W	300990	D-Shaft	2.5	24 VDC	7	0.6	120	700	14	700	14	140	>14
	301236	Keyed	1.8										

Performance shown is typical and is dependent on the control used and the motor temperature.

DIMENSIONS



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