

Woodward Engineered Components

Product Specification AC Control Motor Size 15 (Size E)

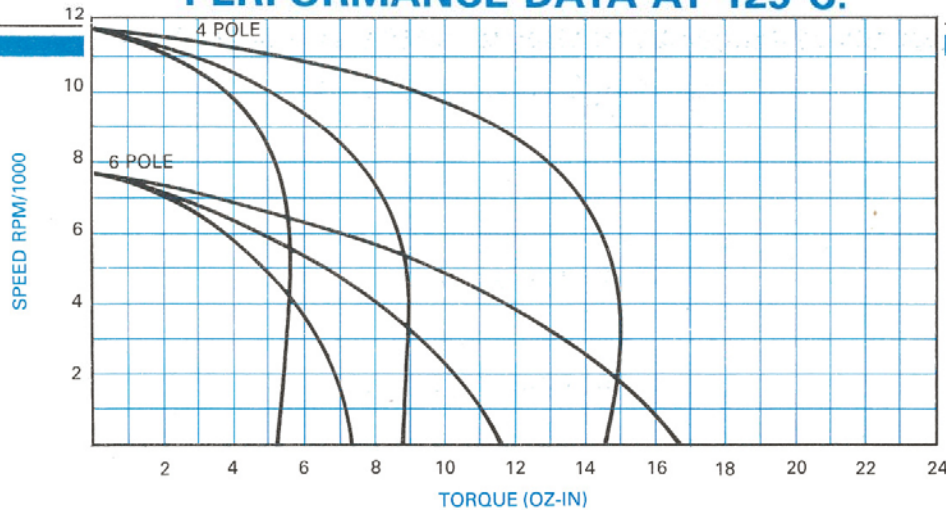
FEATURES

- Life — 5000 Hrs.
- Operating temp. range —65°C to +225°C
- Mil S — 22432 Qualified
- Low inertia
- Power output — 74 Watts
- Torque capacity — 17.0 In.-Oz.



TYPE
E

PERFORMANCE DATA AT 125°C.



MOTOR TYPE	TWO PHASE DATA AT +125°C UNIT TEMPERATURE 400 Hz													
	POWER OUT	TORQUE	POWER INPUT (WATTS)		POWER FACTOR		TOTAL POWER LOSS	TORQUE (OZ-IN)		POWER INPUT (WATTS)		POWER FACTOR		TOTAL POWER INPUT
	(WATTS)	(OZ-IN)	Ø1	Ø2	Ø1	Ø2	(WATTS)	125°	25°	Ø1	Ø2	Ø1	Ø2	(WATTS)

4 POLE	POWER OUT (9000 RPM)							DATA AT STALL						NO LOAD SPEED
50-50	27.9	4.5	28.9	29.5	.68	.69	28.5	5.1	4.2	50	50	.69	.67	11.7
50-125	43.3	6.5	22.0	81.7	.71	.74	60.4	8.7	8.9	50	125	.69	.76	36.5
125-125	73.9	11.1	65.7	70.0	.68	.65	61.8	14.4	15.7	125	125	.77	.76	33.1

6 POLE	POWER OUT (6000 RPM)							DATA AT STALL						NO LOAD SPEED
40-40	14.2	3.2	20.6	19.2	.42	.40	25.6	7.2	8.3	40	40	.64	.64	21.4
40-100	19.5	4.4	23.6	78.3	.38	.52	82.4	11.4	14.4	40	100	.64	.68	92.8
100-100	28.4	6.4	80.1	75.1	.46	.35	105.0	16.6	22.0	100	100	.70	.68	128.4

+1.847.673.8300

Airframe Systems

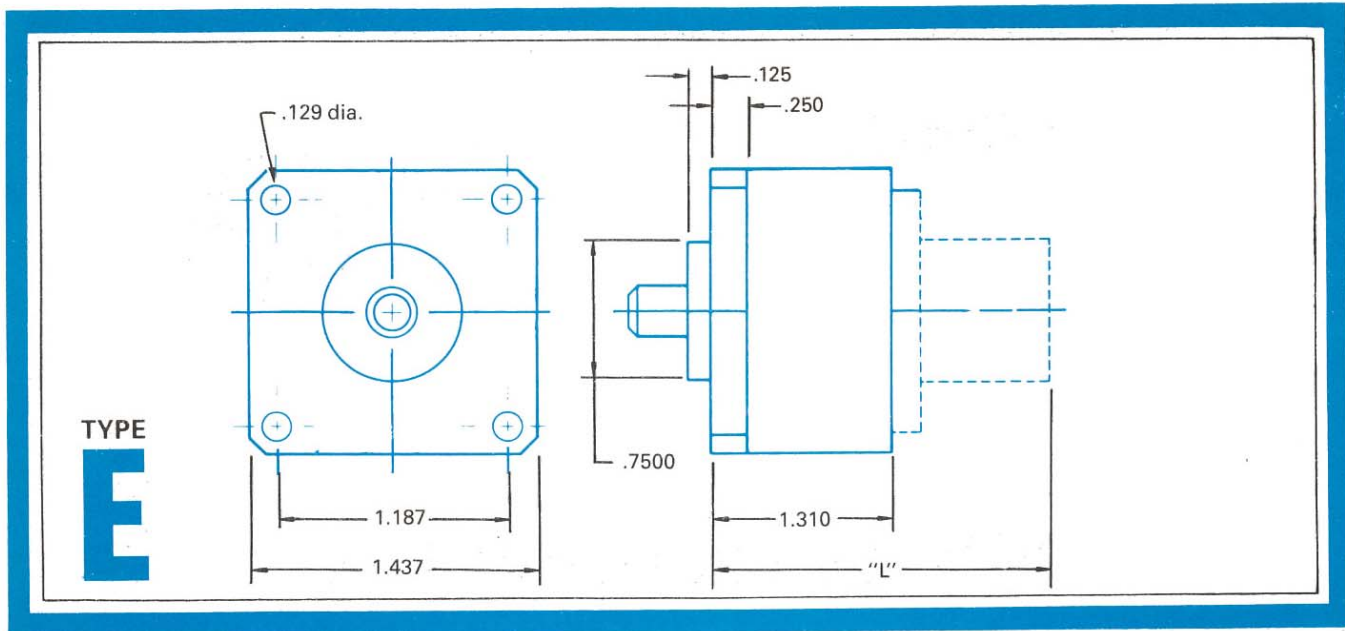
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WOODWARD

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MECHANICAL DATA

TYPE	DESCRIPTION	LENGTH "L" (IN)	TOTAL WEIGHT (OZ)	INERTIA
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MOTOR

E400	Motor Only	1.310	6.0	11.4×10^{-5}
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MOTOR BRAKES

SIZE 11	Motor-11 Brake	2.107	14.5	13.0×10^{-5}
SIZE 15	Motor-15 Brake	2.485	20.0	22.9×10^{-5}

MOTOR TACHOMETERS

8S400	Motor-8 Short Tach	1.883	13.8	11.7×10^{-5}
8L400	Motor-8 Tach	2.123	14.5	11.8×10^{-5}
8N400	Motor-8 Network Tach	2.483	14.7	12.7×10^{-5}
11D400	Motor-11 Design Tach	2.566	17.0	18.1×10^{-5}
11N400	Motor-11 Network Tach	2.964	17.5	18.1×10^{-5}

MOTOR TACHOMETERS/BRAKES

8S400	Motor-8 Short Tach-11 Brake	2.765	15.3	13.3×10^{-5}
	Motor-8 Short Tach-15 Brake	3.143	20.8	23.2×10^{-5}
8L400	Motor-8 Tach-11 Brake	3.005	16.0	13.4×10^{-5}
	Motor-8 Tach-15 Brake	3.383	21.5	23.3×10^{-5}
11D400	Motor-11 Design Tach-11 Brake	3.448	18.5	19.7×10^{-5}
	Motor-11 Design Tach-15 Brake	3.826	24.0	29.6×10^{-5}