

Woodward Engineered Components

Product Specification AC Control Motor Size 23 (Size H)

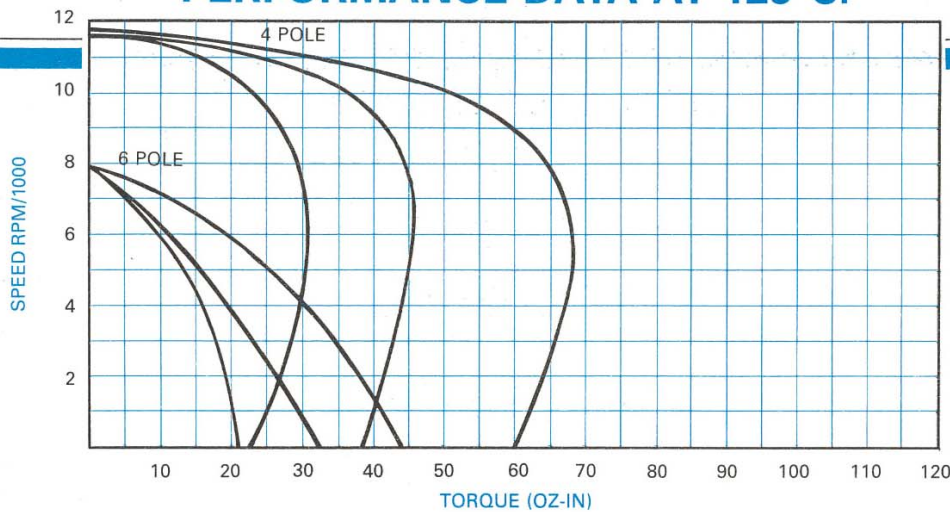
FEATURES

- Life — 5000 Hrs.
- Operating temp. range —65°C to +225°C
- Mil S — 22432 Qualified
- Low inertia
- Power output — 370 Watts
- Torque capacity — 60 In-Oz.



TYPE
H

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	DATA AT (10000 RPM)							DATA AT STALL						NO LOAD SPEED
200-200	173.8	23.5	122.0	130.0	.68	.67	78.2	22.5	25.0	200	200	.61	.60	47.0
200-500	259.0	35.0	96.4	256.5	.69	.64	97.5	38.0	40.0	200	500	.61	.69	86.7
500-500	370.0	50.0	245.0	252.0	.64	.64	127.0	60.0	67.0	500	500	.67	.69	92.4

6 POLE	DATA AT (6000 RPM)							DATA AT STALL						NO LOAD SPEED
60-120	44.4	10.0	27.0	65.6	.42	.45	48.2	20	19.5	60	120	.51	.58	35.8
120-120	66.5	15.0	58.8	61.7	.41	.42	54.0	31	29.0	120	120	.57	.58	39.5
120-240	88.7	20.0	49.0	126.5	.32	.41	86.8	44	42.0	120	240	.57	.64	103.6

+1.847.673.8300

Airframe Systems

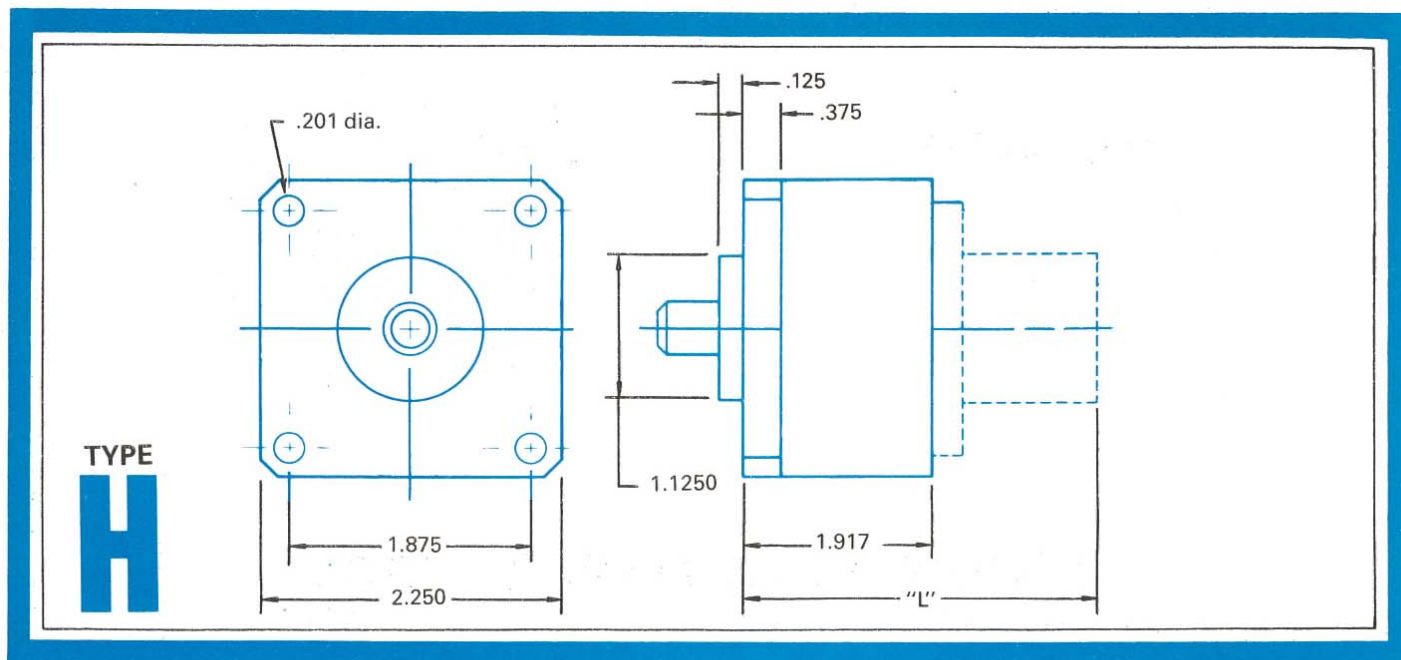
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WOODWARD

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MECHANICAL DATA

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

H400	MOTOR ONLY	1.917	30.0	9.8×10^{-4}
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MOTOR BRAKES

SIZE 11	Motor-11 Brake	2.714	38.5	9.9×10^{-4}
SIZE 15	Motor-15 Brake	3.092	44.0	10.8×10^{-4}

MOTOR TACHOMETERS

8S400	Motor-8 Short Tach	2.490	37.8	9.8×10^{-4}
8L400	Motor-8 Tach	2.730	38.5	9.8×10^{-4}
8N400	Motor-8 Network Tach	3.090	38.7	9.9×10^{-4}
11D400	Motor-11 Design Tach	3.173	41.0	10.4×10^{-4}
11N400	Motor-11 Network Tach	3.571	41.5	10.4×10^{-4}

MOTOR TACHOMETER/BRAKES

8S400	Motor-8 Short Tach-11 Brake	3.372	39.3	10.0×10^{-4}
	Motor-8 Short Tach-15 Brake	3.750	44.8	10.9×10^{-4}
8L400	Motor-8 Tach-11 Brake	3.612	40.0	10.0×10^{-4}
	Motor-8 Tach-15 Brake	3.990	45.5	10.9×10^{-4}
11D400	Motor-11 Design Tach-11 Brake	4.055	42.5	10.6×10^{-4}
	Motor-11 Design Tach-15 Brake	4.433	48.0	11.5×10^{-4}