

# HYBRID STEP MOTOR SIZE 14 1.8° STEP ANGLE

TECH AIR  
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	L INCH	WINDING	RATED VOLTAGE (VOLTS)	CURRENT/ PHASE (AMPS)	RES/ PHASE (OHMS)	INDUC/ PHASE (mH)	HOLDING TORQUE (gcm)	ROTOR INERTIA kgm <sup>2</sup>	DETENT TORQUE gcm
HY1418-12-02	1.02	BIPOLAR	7.4	0.28	26	27	700	10X10 <sup>-7</sup>	60
HY1418-13-02	1.10	BIPOLAR	10.0	0.5	20	14	1000	11X10 <sup>-7</sup>	80
HY1418-14-02	1.42	BIPOLAR	2.7	1.0	2.7	4.3	1400	14X10 <sup>-7</sup>	100

STEP ANGLE	1.8°±5%	SHAFT AXIAL PLAY	0.001" @ 450 gms	AMBIENT RANGE	-20° to +50°C
RESISTANCE TOLERANCE	±10%	SHAFT RADIAL PLAY	0.003" @ 450 grms	INSULATION RESISTANCE	100MΩ Min, 500 VDC
INDUCTANCE TOLERANCE	±20%	MAX RADIAL FORCE	28N	DIELECTRIC STRENGTH	500VAC for 1 minute
TEMP. RISE, @ RATED CUR., 2 Ø ON	80°C Max	MAX. AXIAL FORCE	10N		

