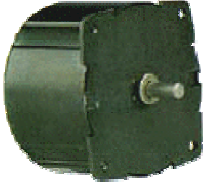




SYNCHRONOUS MOTOR FAMILY

Series 73mm (RA) Direct Drive Synchronous Motor



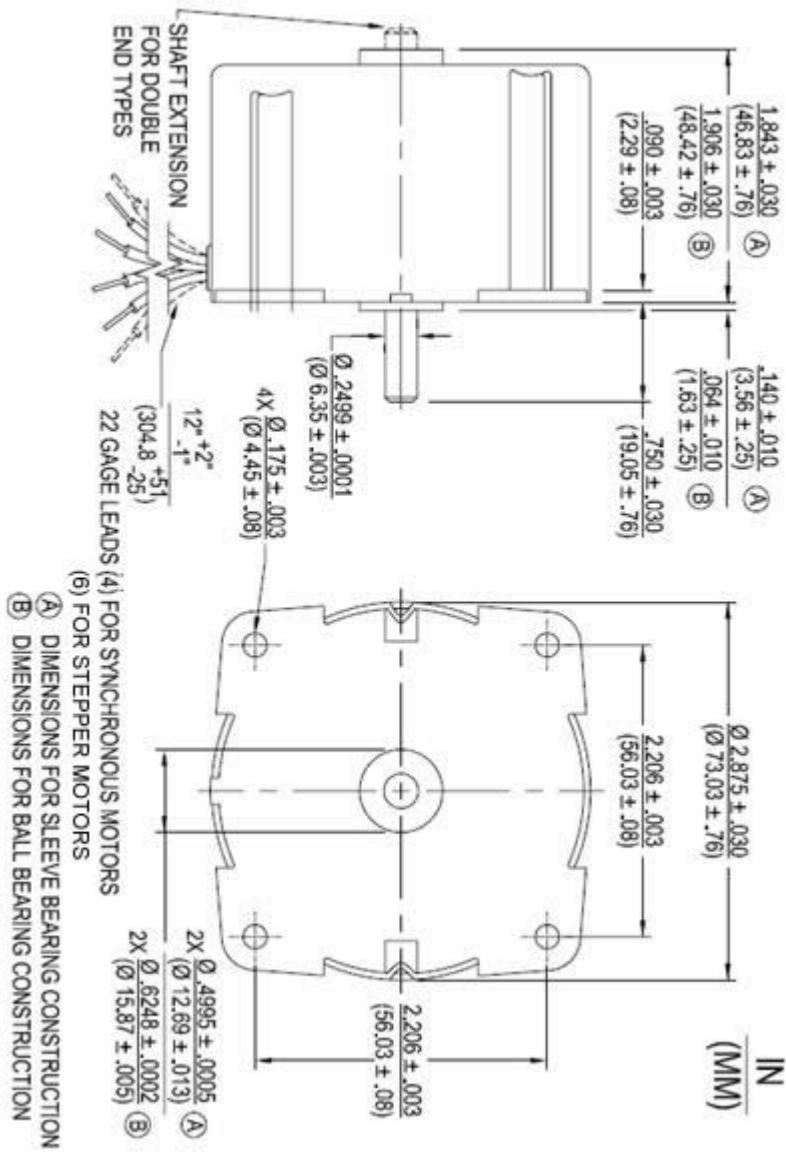
Output Speed:	300 RPM
Lead Wire:	4 leads 22AWG (approx. 12 inches [304.8 mm])
Operation Ambient Temp:	-10°C to +40°C (approx.)
Shaft Bearing:	Sleeve or Ball Bearing Available
 Recognition:	E53578(N), Component-Impedance Protected Motors, 115Vac 60 Hz Standard Rotor
 Certification:	Card No. 42576, Motors and Generators, 115 Vac, 60 Hz, 11 watts max.
Capacitor is required for operation.	
Note: Typical data subject to change without notification	

The rugged RA series is the largest direct drive motor of the HURST® permanent magnet synchronous line with dynamic torque ratings of 15 ounce-inches [105.9 mN-m] (standard) and 20 ounce-inches [141.2 mN-m] Hi-Torque. At 60Hz rotor speed is 300 RPM. Motors are available with a single or double ended shaft. Sleeve and ball bearings are available.

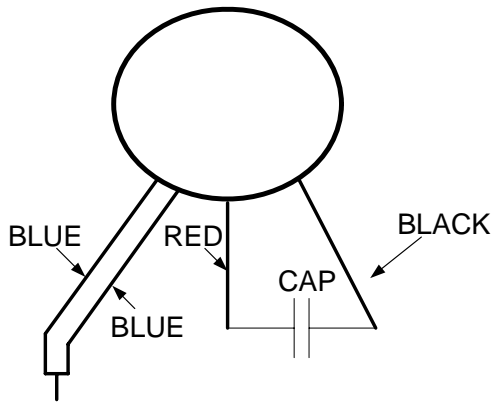
RA motors are designed to assure reliable starting in the desired direction and to eliminate unwanted reversal of rotation under load. Motors listed are 115 VAC at 60 Hz and require a capacitor.

Model	Part Number	Output Speed (RPM)	Rated Torque (oz-in)	Rated Torque (mN-m)	Input Power (watts)	Capacitor Value (mfd)	Full Load Temp. Rise (°C)	Weight (oz)	Weight (g)	Shaft Bearing
RA	3901-001	300	15	105.9	11	1.0	37	26	737.1	SLEEVE
RA	3905-001	300	20	141.2	14.5	1.3	46	26	737.1	SLEEVE
RA	3911-001	300	15	105.9	11	1.0	37	26	737.1	BALL
RA	3915-001	300	20	141.2	14.5	1.3	46	26	737.1	BALL

Bold face listings indicate Hi-Torque rotor.

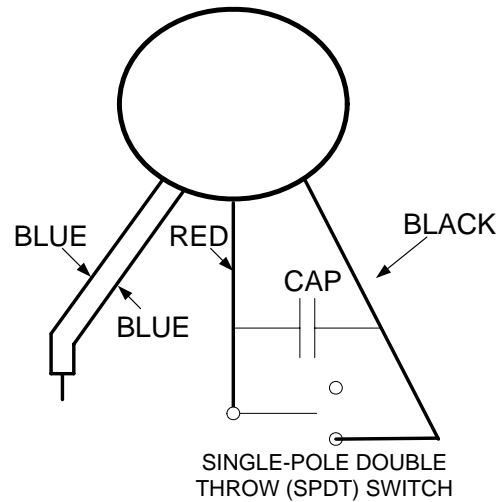


Wiring Diagram



Capacitors are non-polarized and must always be connected between the red and black leads. Always connect the (2) coil blue leads together. Connect the power supply to the blue leads and red lead to produce clockwise (CW) rotation viewing shaft end. Connect the power supply to the blue leads and black lead to produce counter-clockwise (CCW) rotation viewing shaft end.

Optional Wiring Diagram with Switch



Capacitors are non-polarized and must always be connected between the red and black leads. Always connect the (2) coil blue leads together. Connect the power supply to the blue leads and red lead to produce clockwise (CW) rotation viewing shaft end. Connect the power supply to the blue leads and black lead to produce counter-clockwise (CCW) rotation viewing shaft end.