

SYNCHRONOUS MOTOR FAMILY

Series 57mm (SC) Direct Drive Synchronous Motor



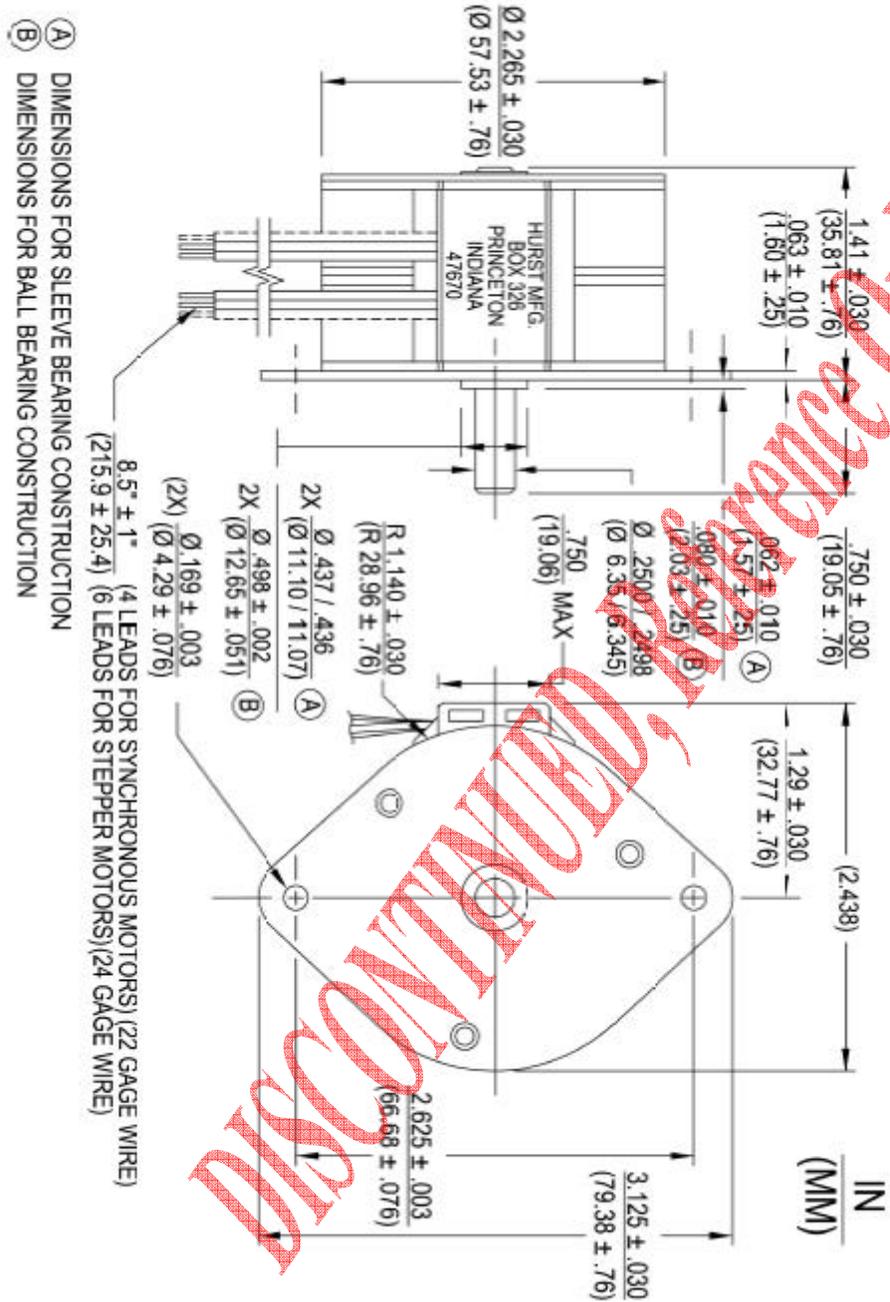
Output Speed:	15 to 300 RPM
Insulation Class:	Class A (105°C)
Lead Wire:	4 leads 22AWG (approx. 8.5 inches [215.9 mm])
Operation Ambient Temp:	-10°C to +40°C (approx.)
Shaft Bearing:	Sleeve Bearing
 Recognition:	E53578(N), Component-Impedance Protected Motors, 115Vac Standard Rotor
 Certification:	Card No. 42576, Motors and Generators, 115 Vac, 60 Hz, Standard Rotor, 9 watts max.
Note: Typical data subject to change without notification	

SC Series motors, both direct drive and geared versions, have excellent size/torque ratios. All are designed for dependable service in applications where space is limited. Compact direct drive motors - only 1.5" [38.1 mm] long - have torque ratings from 8.75 to 11.5 oz-in [61.8 to 81.2 mN-m]. Standard geared SC Series models are available with output shaft speeds from 15 to 120 RPM. Other shaft speeds are available.

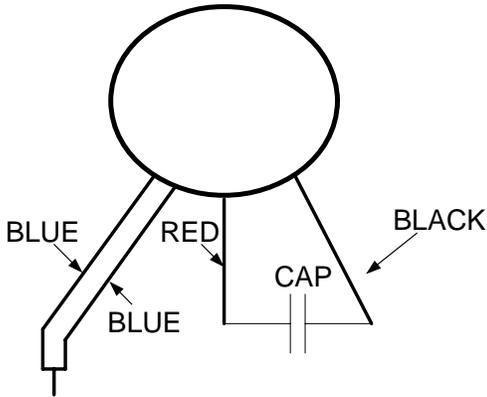
Notes:

- Sleeve bearings are standard. Ball bearings may be specified as well as double ended shafts.
- SC Series Motors 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 (oC)	Weight (oz)	Weight (g)	Shaft Bearing
SC	4401-001	300	8.75	61.79	7	.68	35	10	283.5	SLEEVE
SC	4405-001	300	9.2	65.0	7	.68	35	10	283.5	BALL
SC	4407-001	300	11.0	77.68	9	.85	40	10	283.5	SLEEVE
SC	4411-001	300	11.5	81.21	9	.85	40	10	283.5	BALL

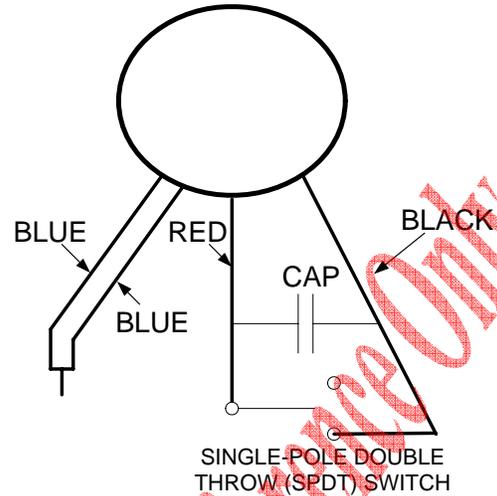


Wiring Diagram



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.

DISCONTINUED, SURPLUS ONLY