

SYNCHRONOUS MOTOR FAMILY

Series 57mm (SC) Geared Synchronous Motor



Output Speed:	15 to 300 RPM
Torque Range:	Up to 116 oz-in [819 mN-m]
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.)
Gear Unit:	Zinc Die Cast AGMA 7 Standard with hardened steel gears
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	

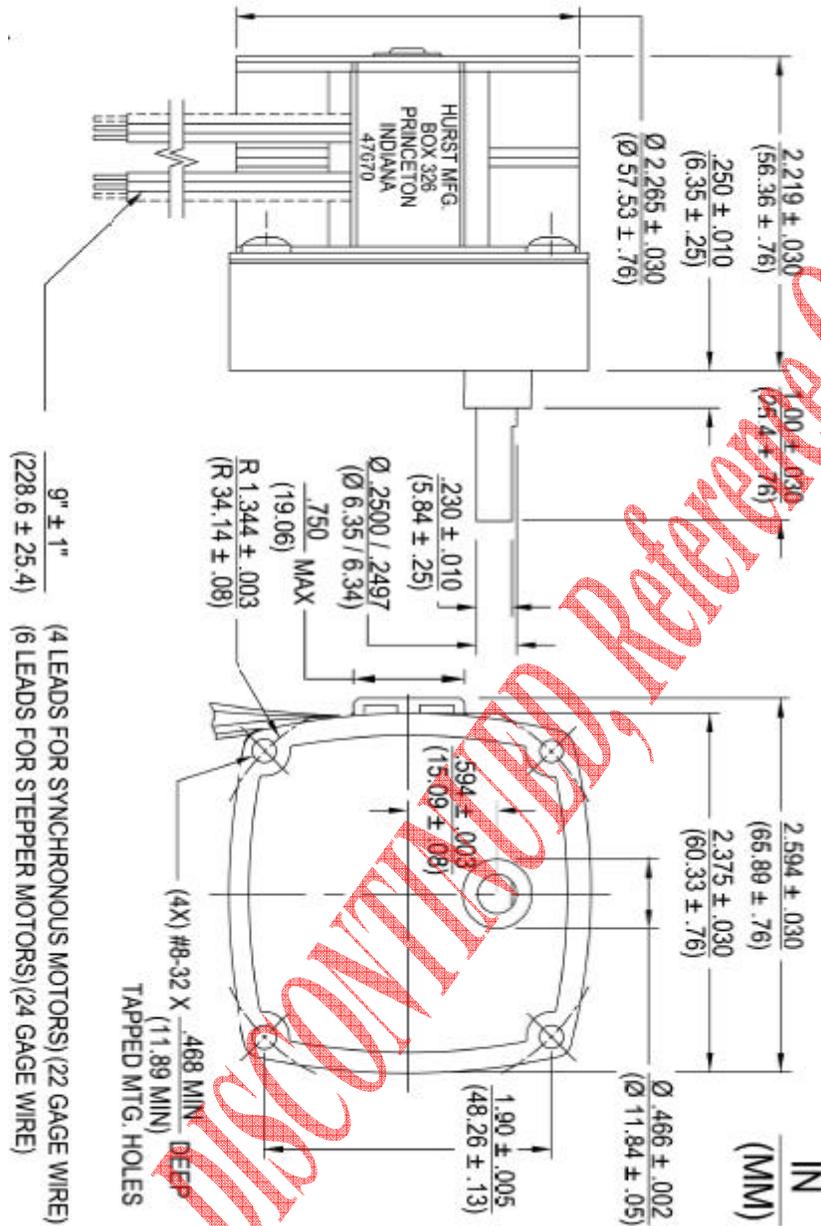
SC Series motors, both direct drive and geared versions, have excellent size/torque ratios. All are designed for dependable service in applications where space is limited. Standard geared SC Series models are available with output shaft speeds from 15 to 120 RPM. Other shaft speeds are available. SC Series Motors are 115 VAC at 60 Hz and require a capacitor.

Notes:

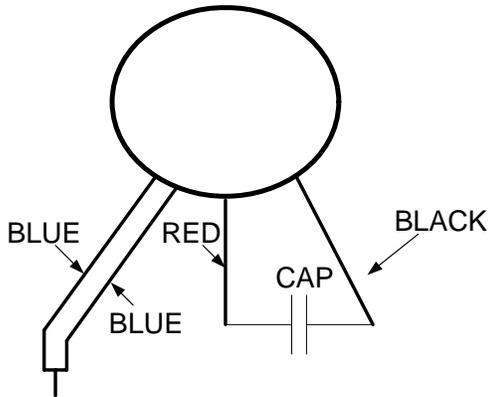
- Sleeve bearings are standard. Ball bearings may be specified as well as double ended shafts.

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)
SC	4402-012	15	116*	819*	7	.68	35	18	510.3
SC	4402-013	20	99	699	7	.68	35	18	510.3
SC	4402-015	30	66	466	7	.68	35	18	510.3
SC	4402-017	60	33	233	7	.68	35	18	510.3
SC	4402-020	120	16.5	116.5	7	.68	35	18	510.3
SC	4402-003	30	82.5	582.6	9	.85	40	18	510.3
SC	4408-004	60	41	289.5	9	.85	40	18	510.3
SC	4408-007	120	20.5	144.8	9	.85	40	18	510.3

* Maximum Gear Train Loading.

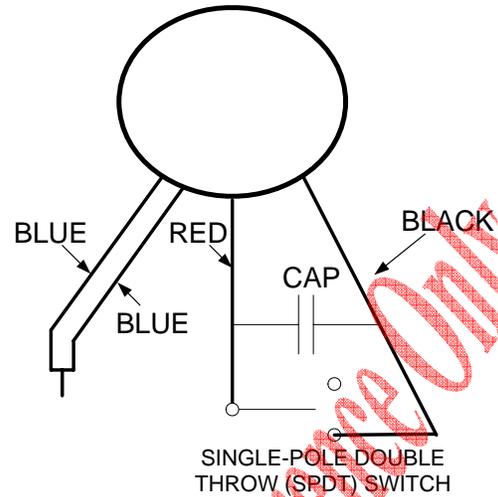


Wiring Diagram



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, HURST ONLY