

SYNCHRONOUS MOTOR FAMILY

Series 60mm (T) Direct Drive Synchronous Motor



Output Speed:	.25 to 300 RPM
Poles:	T Series 24 poles; TA Series 20 poles
Insulation Class:	Class A (105°C)
Lead Wire:	4 leads 22AWG (approx. 12 inches [304.8 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, 7 watts max.
Note: Typical data subject to change without notification	

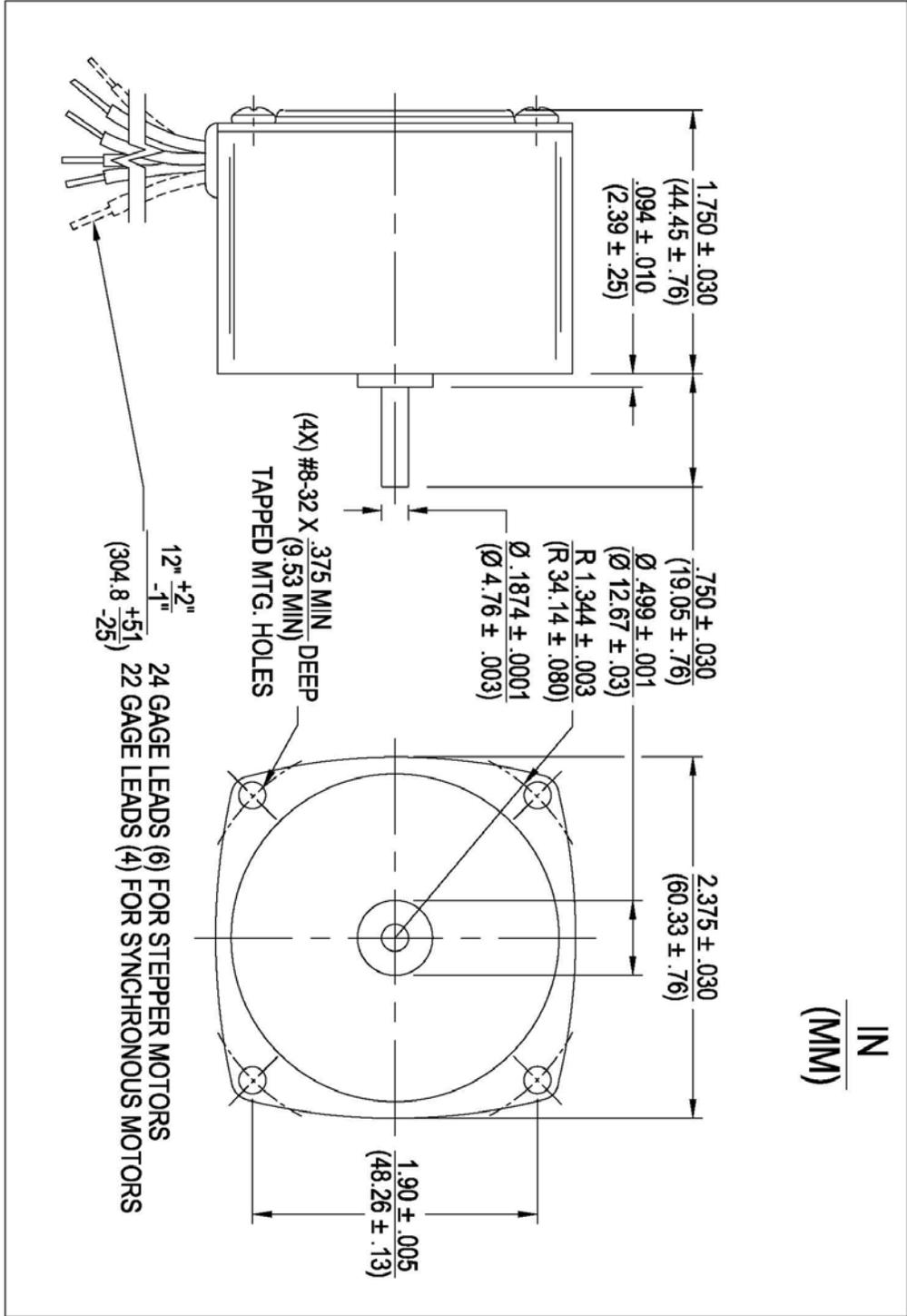
T series reversible, permanent magnet synchronous motors feature a rugged die cast housing. Motors can be furnished with either standard or Hi-Torque rotors. Sleeve bearings are standard.

T series motors have 24 poles. When operated at 60Hz, rotor speed is 300RPM.

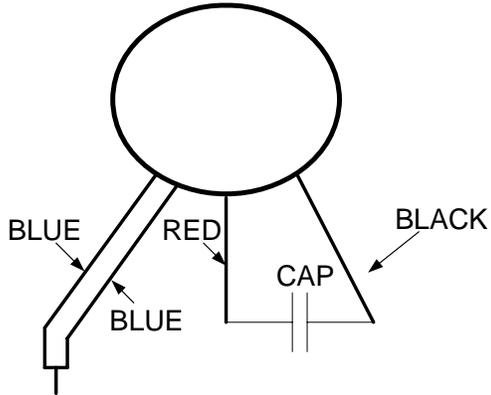
Notes:

- Standard motors are 115V 60Hz.
- A capacitor is required for operation and is furnished with only the stock T models. When used in a unidirectional mode the capacitor must be in the circuit.

Model	Part Number	Rated Torque @ 175 p/s (oz-in)	Rated Torque @ 175 p/s (mN-m)	Output Speed (RPM)	Input Power (watts)	Voltage (VAC) 50HZ	Voltage (VAC) 60HZ	Full Load Temp. Rise °C	Capacitor Value (mfd)	Capacitor not supplied	Weight (oz)	Weight (g)	Hi-Torque Rotor
T	2601-005	8.5	60	250	6	220		27	0.18, 440Vac, +/- 10%	X	20	567	
T	2601-001	8.5	60	300	7		115	27	0.68		20	567	
T	2609-001	10.25	72.4	300	9.5		115	38	0.85		20	567	X
TA	2601-004	6.6	46.6	300	6	115		32	0.75, 400Vac, +/- 10%	X	20	567	

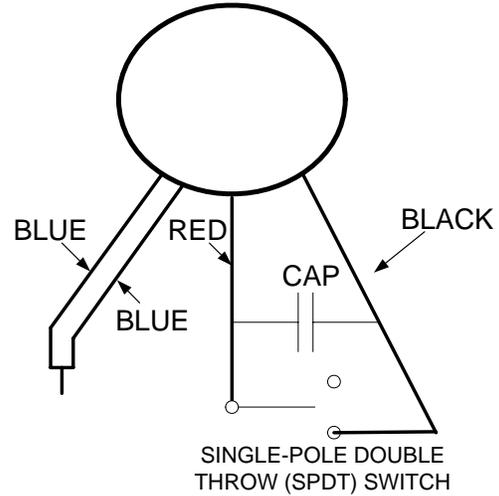


Wiring Diagram



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.