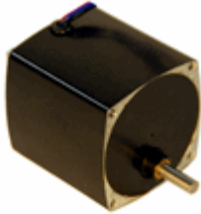


SYNCHRONOUS MOTOR FAMILY

Series 60mm (T) Geared Synchronous Motor



Torque Range:	Up to 250 oz-in [1765 mN-m]
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.)
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, 7 watts max.
Note: Typical data subject to change without notification	

Reversible, permanent magnet synchronous series T geared motors are available in a wide range of speeds. The gear trains are the most rugged with a maximum recommended loading of 250 oz-in [1765.4 mN-m] at 1 RPM. All gears are hobbed to AGMA 7 quality. Pinions are extruded from a special steel with a modified long addendum tooth form to provide higher strength. Pinions are held to the same AGMA 7 quality level as the gears. Both pinion and gear teeth are case hardened for wear resistance and rotate upon hardened and ground steel studs.

Standard motors are 115V, 60Hz but other voltages may be specified. Sleeve bearings are standard. Capacitors are required for operation and must be used in the circuit even if the motor is used in a unidirectional mode.

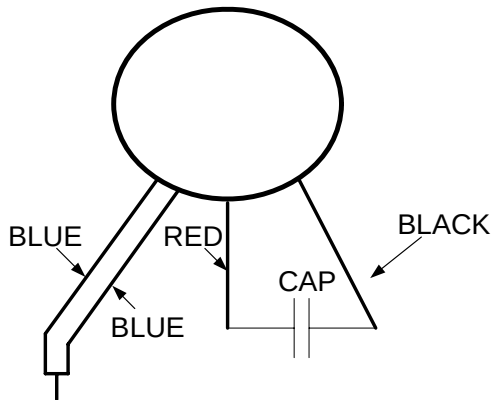
Model	Part Number	Reduction	Rated Torque (oz-in)	Rated Torque (mN-m)	Output Speed (RPM)	Input Power (watts)	Voltage (VAC) 50HZ	Voltage (VAC) 60HZ	Capacitor Value (mfd)	Capacitor not supplied	Weight (oz)	Weight (g)
T	2602-039	1200	250	1765.4	0.25	7		115	0.68		27	765.4
T	2602-034	600	250	1765.4	0.5	7		115	0.68		27	765.4
T	2602-001	300	250	1765.4	1	7		115	0.68		27	765.4
T	2602-055	250	250	1765.4	1	6	220		0.18 440VAC +/-10%	X	27	765.4
T	2602-002	200	240	1694.8	1.5	7		115	0.68		27	765.4
T	2602-004	150	233	1645.3	2	7		115	0.68		27	765.4
T	2602-020	125	233	1645.3	2	6	115		0.68		27	765.4
T	2602-053	125	233	1645.3	2	6	230		0.18 440VAC +/-5%	X	27	765.4
T	2602-074	150	233	1645.3	2	7		230	0.18 440VAC +/-5%	X	27	765.4
T	2602-090	125	233	1645.3	2	6	220		0.18 440VAC +/-10%	X	27	765.4
T	2602-084	100	228	1610	2.5	6	220		0.18 440VAC +/-10%	X	27	765.4
T	2602-005	100	224	1581.8	3	7		115	0.68		27	765.4
T	2602-012	75	218	1539.4	4	7		115	0.68		27	765.4
T	2602-046	75	218	1539.4	4	7		220	0.18 440VAC +/-10%	X	27	765.4
T	2602-056	240	218	1539.4	4	6	220		0.18 440VAC +/-10%	X	27	765.4
T	2602-076	75	218	1539.4	4	7		230	0.18 440VAC +/-5%	X	27	765.4
T	2602-079	62.5	218	1539.4	4	6	230		0.18 440VAC +/-5%	X	27	765.4
T	2602-093	75	218	1539.4	4	7		24	15 100VDC +/-10%	X	27	765.4
T	2602-017	60	215	1518.2	5	7		115	0.68		27	765.4
T	2602-013	50	210	1482.9	6	7		115	0.68		27	765.4
T	2602-043	50	210	1482.9	6	7		220	0.18 440VAC +/-10%	X	27	765.4
T	2602-048	41.67	210	1482.9	6	6	220		0.18 440VAC +/-10%	X	27	765.4
T	2602-073	50	210	1482.9	6	7		240	0.15 440VAC +/-5%	X	27	765.4

Model	Part Number	Reduction	Rated Torque (oz-in)	Rated Torque (mN-m)	Output Speed (RPM)	Input Power (watts)	Voltage (VAC) 50HZ	Voltage (VAC) 60HZ	Capacitor Value (mfd)	Capacitor not supplied	Weight (oz)	Weight (g)
T	2602-091	50	210	1482.9	6	7		24	15 100VDC +/-10%	X	27	765.4
T	2602-006	30	180	1271.1	10	7		115	0.68		27	765.4
T	2602-047	25	149	1052.2	10	6	220		0.18 440 VAC +/-10%	X	27	765.4
T	2602-057	30	180	1271.1	10	7		220	0.18 440VAC +/-10%	X	27	765.4
T	2602-037	25	149	1052.2	12	7		115	0.68		27	765.4
T	2602-007	20	120	847.4	15	7		115	0.68		27	765.4
T	2602-026	16.67	99	699.1	15	6	115		0.68		27	765.4
T	2602-072	16.67	99	699.1	15	6	220		0.18 440VAC +/-10%	X	27	765.4
T	2602-092	20	120	847.4	15	7		240	0.15 440VAC +/-5%	X	27	765.4
T	2602-082	16.67	99	699.1	18	7		115	0.68		27	765.4
T	2602-040	15	96	677.9	20	7		115	0.68		27	765.4
T	2602-008	12	77	543.7	25	7		115	0.68		27	765.4
T	2602-014	10	64	451.9	30	7		115	0.68		27	765.4
T	2602-029	8.33	53	374.3	30	6	115		0.68		27	765.4
T	2602-045	8.33	53	374.3	30	6	220		0.18 440VAC +/-10%	X	27	765.4
T	2602-049	8.5	53	374.3	30	6	230		0.18 440VAC +/-5%	X	27	765.4
T	2602-083	10	64	451.9	30	7		24	15 100VDC +/-10%	X	27	765.4
T	2611-005	10	79	557.9	30	9.5		115	0.85		27	765.4
T	2602-009	5	32	226	60	7		115	0.68		27	765.4
T	2602-030	0.06	26	183.6	60	6	115		0.68		27	765.4
T	2602-044	4.17	26	183.6	60	6	220		0.18 440VAC +/-10%	X	27	765.4
T	2602-070	5	32	226	60	7		220	0.18 440VAC +/-10%	X	27	765.4
T	2611-007	5	39.5	278.9	60	9.5		115	0.85		27	765.4
T	2602-081	4.17	26.5	187.1	72	7		115	0.68		27	765.4
T	2602-010	3	19	134.2	100	7		115	0.68		27	765.4

Model	Part Number	Reduction	Rated Torque (oz-in)	Rated Torque (mN-m)	Output Speed (RPM)	Input Power (watts)	Voltage (VAC) 50HZ	Voltage (VAC) 60HZ	Capacitor Value (mfd)	Capacitor not supplied	Weight (oz)	Weight (g)
T	2602-015	2.5	16	113	120	7		115	0.68		27	765.4
T	2602-032	4.06	13	91.8	120	6	115		0.68		27	765.4
T	2602-042	2.5	13	91.8	120	6	230		0.18 440VAC +/-5%	X	27	765.4
T	2602-059	2.08	13	91.8	120	6	220		0.18 440VAC +/-10%	X	27	765.4
T	2611-010	2.5	19.75	139.5	120	9.5		115	0.85		27	765.4
T	2611-019	2.5	18	127.1	120	10	220		0.22 440VAC +/-10%	X	27	765.4
T	2602-011	2	13	91.8	150	7		115	0.68		27	765.4
T	2602-071	12	77	543.7	25	7		24	15 100VDC +/-10%	X	27	765.4
T	2602-080	10	64	451.9	25	6	230		0.18 440VAC +/-5%	X	27	765.4
T	2602-086	10	64	451.9	25	6	220		0.18 440VAC +/-10%	X	27	765.4
T	2602-089	2.5	15.5	109.5	100	6	220		0.18 440VAC +/-10%	X	27	765.4

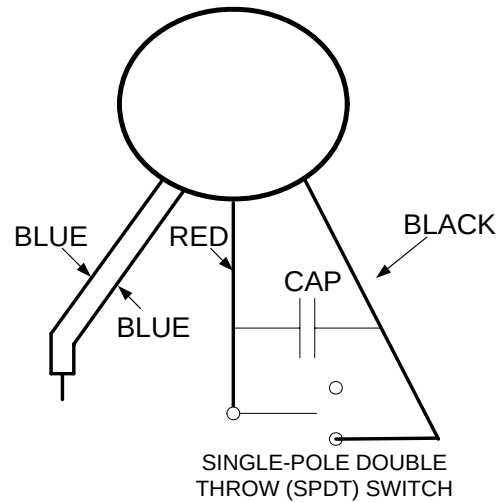


Wiring Diagram



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.