


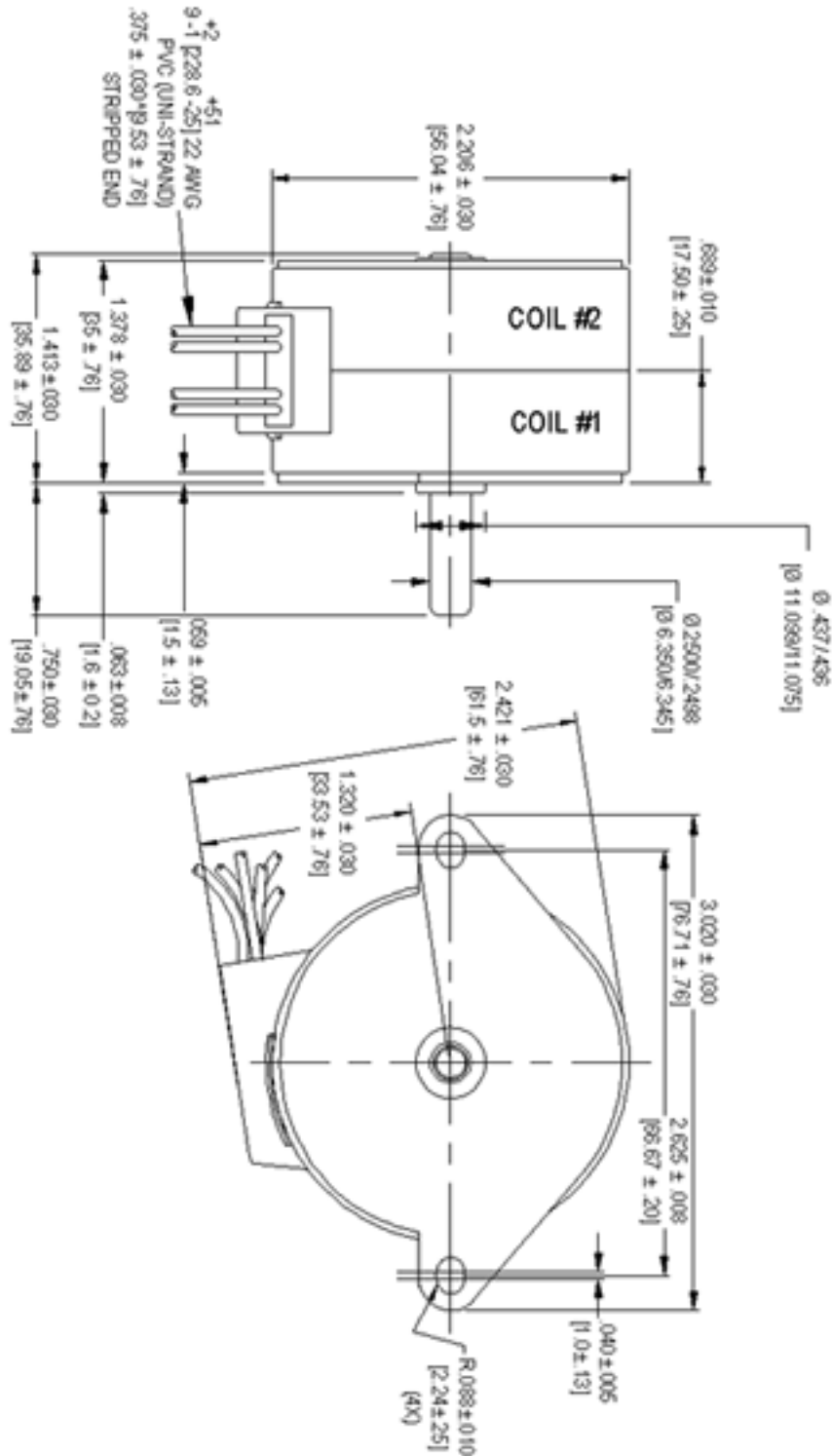
SYNCHRONOUS MOTOR FAMILY

Series 55mm (LYD55) Direct Drive Synchronous Motor

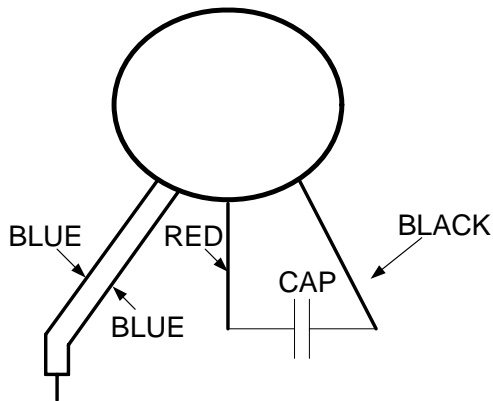


Frame Size:	55mm
Output Speed:	250/300 RPM (50/60 Hz respectively)
Standard Voltages:	115/230 Vac & 24 Vac 50/60 Hz
Insulation Class:	Class A (105°C)
Lead Wire:	4 leads 22AWG (approx. 9 inches [228.6 mm])
Operation Ambient Temp:	-10°C to +40°C (approx.)
Shaft Bearings:	Sleeve bearings
 Recognition:	E53578(N), Component-Impedance Protected Motors
Capacitor is required for operation. Capacitor supplied with 115 Vac motors.	
Note: Typical data subject to change without notification	

Part Number	"SA" P/N REF.	Voltage (Vac)	Minimum Holding Torque (g-cm)	Minimum Holding Torque (oz-in)	Output Speed (RPM) 50Hz	Output Speed (RPM) 60Hz	Capacitor Value (mfd) (50/60 Hz)	Resistance (Ohms/Phase)	Input Watts (W)
LYD55T-024DL	4001-003	24	468	6.5	250	300	.15/.12	75	5
LYD55T-115DL	4001-001	115	468	6.5	250	300	.62/0.5	1530	5
LYD55T-230DL		220/230/240	468	6.5	250	300	.15/.12	5997	5
LYD55T-024DS		24	612	8.5	250	300	20/15	63	7
LYD55T-115DS	4017-001	115	612	8.5	250	300	.85/0.68	1265	7
LYD55T-230DS		220/230/240	612	8.5	250	300	.22/.18	4960	7
LYD55T-024DH		24	792	11	250	300	24/20		9.5
LYD55T-115DH		115	792	11	250	300	1.0/.85		9.5
LYD55T-230DH		220/230/240	792	11	250	300	.27/.22		9.5

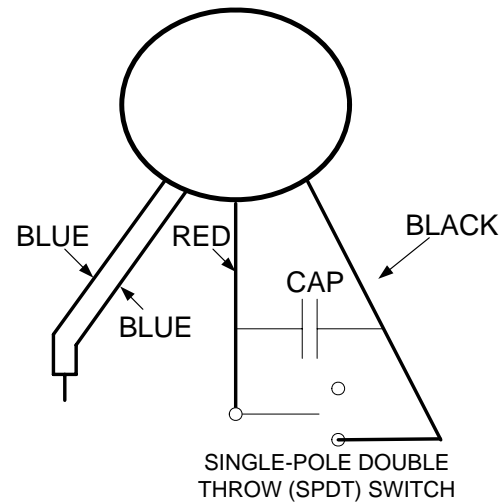


Wiring Diagram



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.