

Superior Electric SS241-1032
Slo-Syn Indexer Motor



**Limited Availability
New From Surplus Stock**

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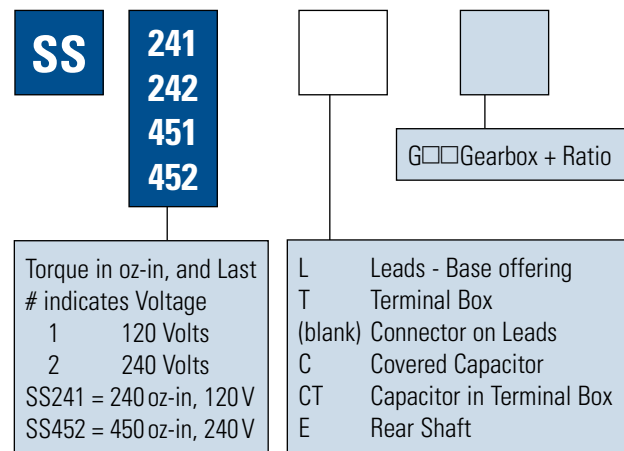
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SS240,SS450 Series 90mm Frame Size (NEMA Sizes 23, 34, 42)



- Motor torque up to 450 oz-in (1059 N-cm)
- 72 RPM @ 60 Hz - 60 RPM @ 50 Hz
- 120 and 240 volt AC versions
- Needs only a capacitor to operate from single-phase power
- Available with integral capacitor for single phase operation
- Operates directly from three-phase power
- Leaded, connector or terminal box connections
- Planetary gearboxes available – See pages 18 and 20



120 Volt, 60 Hz, Single Phase, 72 RPM

* Type Number	voltage	Torque (min)		# Load Inertia		amps	Wiring Diagram	Phase Shifting Capacitor (250 VAC)	
		oz-in	N-cm	lb-in ²	kg-cm ²			Kit Number	μF
SS241□	120	240	169	2.5	7	0.40	C	201053-037	7.5
SS451□	120	450	318	5.5	16	0.80	C	201053-042	14

240 Volt, 60 Hz, Single Phase, 72 RPM

* Type Number	voltage	Torque (min)		# Load Inertia		amps	Wiring Diagram	Phase Shifting Capacitor (250 VAC)	
		oz-in	N-cm	lb-in ²	kg-cm ²			Kit Number	μF
SS242□	208/240	240	169	2.5	7	0.20	C	201053-038	2
SS452□	208/240	450	318	7.5	22	0.30	C	201053-044	3

240 Volt, 50 Hz, Single Phase, 60 RPM

* Type Number	voltage	Torque (min)		# Load Inertia		amps	Wiring Diagram	Phase Shifting Capacitor (250 VAC)	
		oz-in	N-cm	lb-in ²	kg-cm ²			Kit Number	μF
SS242□	240	240	169	1	3	0.20	C	201053-038	2
SS242□	220	240	169	1	3	0.20	C	201053-041	2.5
SS452□	220/240	450	318	2	6	0.30	C	201053-061	4

SS240, SS450 (Continued)

Three Phase, 208 - 240 Volt, 60 Hz, 72 RPM

* Type Number	voltage	Torque (min)		# Load Inertia		amps	Wiring Diagram
		oz-in	N-cm	lb-in ²	kg-cm ²		
SS242□	208/240	250	177	2.5	7	0.20	3 Ø
SS452□	208	475	335	4.5	13	0.30	3 Ø

Three Phase, 208 Volt, 50 Hz, 60 RPM

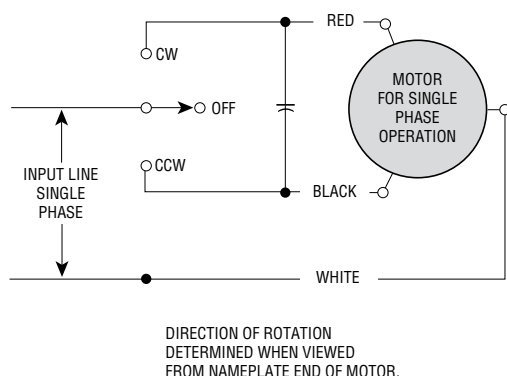
* Type Number	voltage	Torque (min)		# Load Inertia		amps	Wiring Diagram
		oz-in	N-cm	lb-in ²	kg-cm ²		
SS242□	208	250	177	4	12	0.20	3 Ø
SS452□	208	475	335	4.5	13	0.30	3 Ø

Connection Diagrams

Terminations

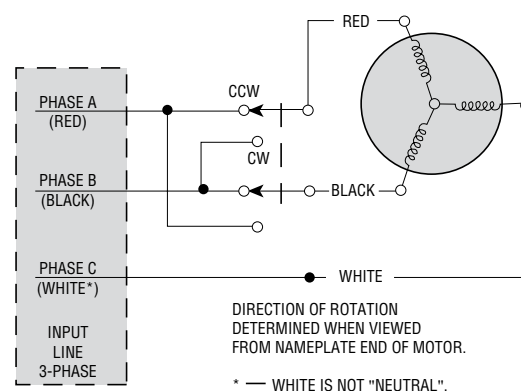
Lead Color	Connector Motor	Terminal Box Motor
Red	Pin # 7	Terminal # 1
Black	Pin # 6	Terminal # 3
White	Pin # 2	Terminal # 2

C Connection



Single-Phase Operation

3 Ø Connection

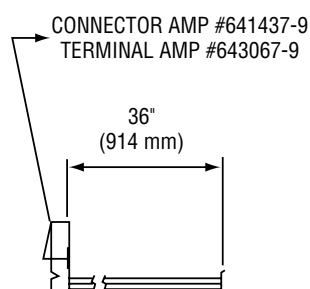


Three-Phase Operation

Mating Connector with Leads

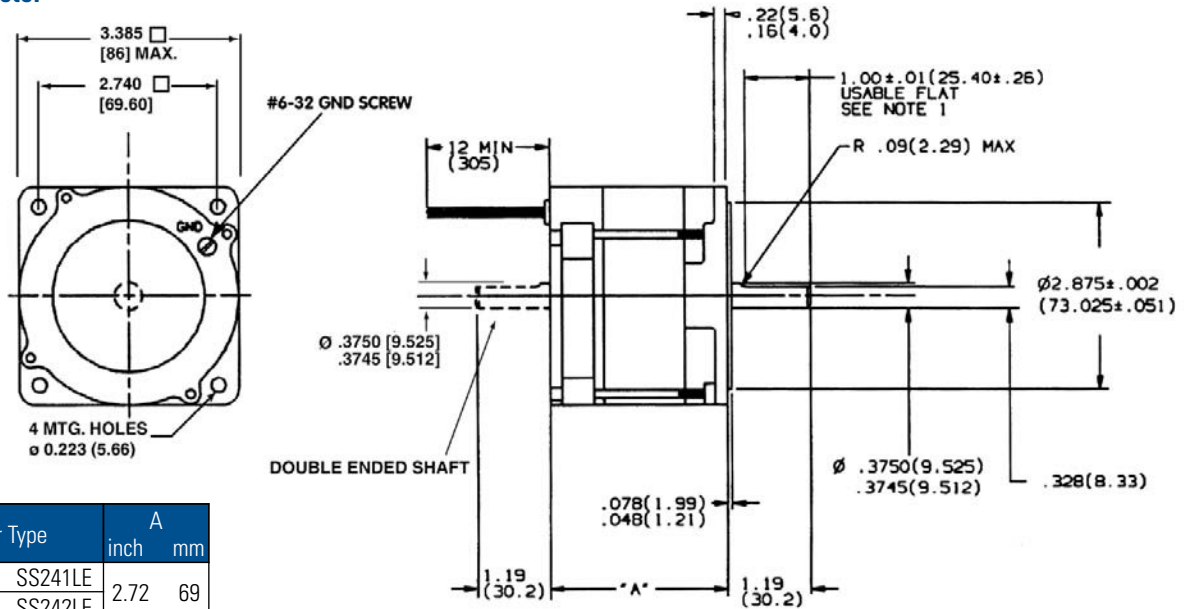
Part number 225505-001

Mating connectors with 36" (914mm) long leads are available for making connections to motors that have connectors.



SS240, SS450 (Continued)

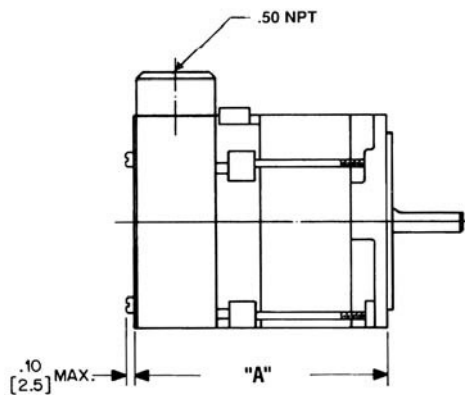
Leaded Motor



Motor Type	A	inch	mm
SS241L SS241LE	2.72	69	
SS451L SS451LE	4.32	110	
SS452L SS452LE			

Terminal Box

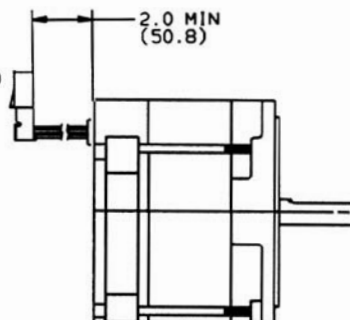
Motor Type	A	inch	mm
SS241T SS242T	4.05	103	
SS451T SS452T	5.65	144	



Connector

Motor Type	Connector
SS241 SS241E	SS241E
SS242 SS242E	SS242E
SS451 SS451E	SS451E
SS452 SS452E	SS452E

CONNECTOR AMP #641437-9
TERMINAL AMP #643067-9

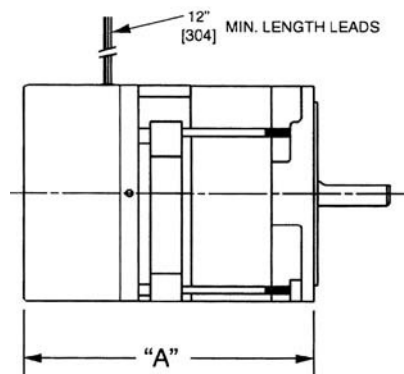


Dimensions are shown in inches (mm)

SS240, SS450 (Continued)

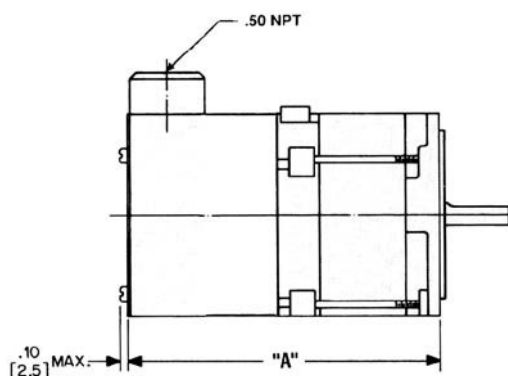
Covered Capacitor

Motor Type	A	
inch	mm	
SS241C	4.69	119
SS242C		
SS451C	6.29	160
SS452C		



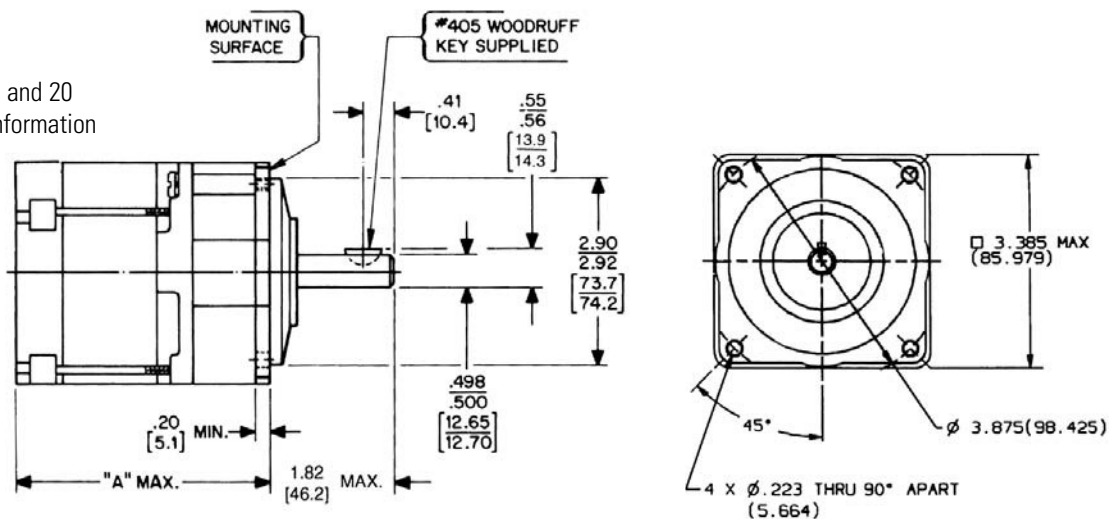
Capacitor in Terminal Box

Motor Type	A	
inch	mm	
SS241CT	5.48	139
SS242CT		
SS451CT	7.08	180
SS452CT		



Gearmotors

See pages 18 and 20
for gearbox information



Motor Series	Gearbox Ratio	B	Leaded & Connector Motors				Terminal Box Motors		Covered Capacitor Motors		Capacitor in Terminal Box Motors	
		inch mm	Leaded Motors	Connector Motors	A		Motor Type	inch mm	Motor Type	inch mm	Motor Type	inch mm
SS240	3:1 thru 5:1	1.19 30.2	SS241LG□□	SS241G□□	3.91	99	SS241TG□□	5.24 133	SS241CG□□	5.88 149	SS241CTG□□	6.67 169
	9:1 thru 25:1	1.81 46.0	SS242LG□□	SS242G□□	4.53 115		SS242TG□□	5.86 149	SS242CG□□	6.50 165	SS242CTG□□	7.29 185
	27:1 thru	2.38 60.5			5.10 130			6.43 163		7.07 180		7.86 200
SS450	3:1 thru 5:1	1.19 30.2	SS451LG□□	SS451G□□	5.51 140		SS451TG□□	6.84 174	SS451CG□□	7.48 190	SS451CTG□□	8.27 210
	9:1 thru 25:1	1.81 46.0	SS452LG□□	SS452G□□	6.13 156		SS452TG□□	7.46 189	SS452CG□□	8.10 206	SS452CTG□□	8.89 226
	27:1 thru 125:1	2.38 60.5			6.70 170			8.03 204		8.67 220		9.46 240

Dimensions are shown in inches (mm)

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