

# Type PSU AC Motor Start Capacitors

## Non-polarized, Aluminum Electrolytic AC Motor Start Capacitors



The Type PSU is a compact non-polar, dual voltage rated, AC motor start capacitor constructed in a round rugged bakelite case. To extend the life of relay contact switches, the PSU can be purchased with optional bleeder resistors assembled with 1/4" quick-connect terminals. An optional mounting system consisting of a bracket that is attached to the capacitor case with one end cap is available. The PL end caps are for use with wiring through the bracket to the motor and the PLA end caps are for off motor mounting.

### Optional Enhancements

### Highlights

End Caps

Mounting Bracket



Motor Start Resistor



- ◆ Dual quick-connect terminals
- ◆ Rugged bakelite case
- ◆ Compact Size
- ◆ Resistor options
- ◆ Mounting options
- ◆ Non-polar
- ◆ Meets EIA RS-463 Type 2 (Normal Performance)

### Specifications

<b>Capacitance Range:</b>	21 $\mu$ F to 1280 $\mu$ F
<b>Voltage Range</b>	110 Vac to 330 Vac
<b>Capacitance Tolerance:</b>	See ratings table
<b>Operating Temperature Range:</b>	-40 °C to 65 °C
<b>Storage Temperature Range:</b>	-55 °C to 85 °C
<b>Operating Frequency:</b>	50 Hz to 60 Hz
<b>Power Factor:</b>	10% max (12% $\leq$ 30 $\mu$ F)

### Ratings

Cap ( $\mu$ F)	Vac	Case Code	Diameter (Inches) $\pm .015$	Length (Inches) $\pm .06$	Catalog Part Number
21-25	110/125	1	1 7/16	2 3/4	PSU2115
25-30	110/125	1	1 7/16	2 3/4	PSU2515
30-36	110/125	1	1 7/16	2 3/4	PSU3015
36-43	110/125	1	1 7/16	2 3/4	PSU3615
43-52	110/125	1	1 7/16	2 3/4	PSU4315
47-56	110/125	1	1 7/16	2 3/4	PSU4715
53-64	110/125	1	1 7/16	2 3/4	PSU5315
64-77	110/125	1	1 7/16	2 3/4	PSU6415
72-86	110/125	1	1 7/16	2 3/4	PSU7215
88-106	110/125	1	1 7/16	2 3/4	PSU8815
108-130	110/125	1	1 7/16	2 3/4	PSU10815
124-149	110/125	1	1 7/16	2 3/4	PSU12415
130-156	110/125	1	1 7/16	2 3/4	PSU13015
145-174	110/125	1	1 7/16	2 3/4	PSU14515
161-193	110/125	1	1 7/16	2 3/4	PSU16115
189-227	110/125	1	1 7/16	2 3/4	PSU18915A
200-240	110/125	2	1 7/16	3 3/8	PSU20015

Cap ( $\mu$ F)	Vac	Case Code	Diameter (Inches) $\pm .015$	Length (Inches) $\pm .06$	Catalog Part Number
216-259	110/125	2	1 7/16	3 3/8	PSU21615
216-259	110/125	1	1 7/16	2 3/4	PSU21615A
233-280	110/125	2	1 7/16	3 3/8	PSU23315A
233-280	110/125	1	1 7/16	2 3/4	PSU23315B
243-292	110/125	2	1 7/16	3 3/8	PSU24315A
243-292	110/125	1	1 7/16	2 3/4	PSU24315B
270-324	110/125	2	1 7/16	3 3/8	PSU27015A
270-324	110/125	1	1 7/16	2 3/4	PSU27015B
300-360	110/125	4	1 13/16	3 3/8	PSU30015
324-389	110/125	3	1 7/16	4 3/8	PSU32415A
324-389	110/125	1	1 7/16	2 3/4	PSU32415B
340-408	110/125	4	1 13/16	3 3/8	PSU34015
340-408	110/125	2	1 7/16	3 3/8	PSU34015A
378-454	110/125	4	1 13/16	3 3/8	PSU37815
378-454	110/125	2	1 7/16	3 3/8	PSU37815A
400-480	110/125	4	1 13/16	3 3/8	PSU40015
400-480	110/125	2	1 7/16	3 3/8	PSU40015A

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Cap ( $\mu$ F)	Vac	Case Code	Diameter (Inches) $\pm 0.015$	Length (Inches) $\pm 0.06$	Catalog Part Number	Cap ( $\mu$ F)	Vac	Case Code	Diameter (Inches) $\pm 0.015$	Length (Inches) $\pm 0.06$	Catalog Part Number
430-516	110/125	4	1 13/16	3 3/8	PSU43015A	270-324	165	4	1 13/16	3 3/8	PSU27065B
430-516	110/125	2	1 7/16	3 3/8	PSU43015B	324-389	165	5	1 13/16	4 3/8	PSU32465
460-552	110/125	4	1 13/16	3 3/8	PSU46015A	324-389	165	4	1 13/16	3 3/8	PSU32465A
460-552	110/125	2	1 7/16	3 3/8	PSU46015B	340-408	165	5	1 13/16	4 3/8	PSU34065
540-648	110/125	4	1 13/16	3 3/8	PSU54015A	340-408	165	4	1 13/16	3 3/8	PSU34065A
540-648	110/125	5	1 13/16	4 3/8	PSU54015B	378-454	165	5	1 13/16	4 3/8	PSU37865
590-708	110/125	5	1 13/16	4 3/8	PSU59015A	378-454	165	4	1 13/16	3 3/8	PSU37865A
590-708	110/125	4	1 13/16	3 3/8	PSU59015B	400-480	165	5	1 13/16	4 3/8	PSU40065
645-774	110/125	5	1 13/16	4 3/8	PSU64515	400-480	165	4	1 13/16	3 3/8	PSU40065A
645-774	110/125	4	1 13/16	3 3/8	PSU64515A	430-516	165	5	1 13/16	4 3/8	PSU43065
708-850	110/125	5	1 13/16	4 3/8	PSU70815	430-516	165	4	1 13/16	3 3/8	PSU43065A
708-850	110/125	4	1 13/16	3 3/8	PSU70815A	460-552	165	5	1 13/16	4 3/8	PSU46065
720-864	110/125	5	1 13/16	4 3/8	PSU72015	460-552	165	4	1 13/16	3 3/8	PSU46065A
720-864	110/125	4	1 13/16	3 3/8	PSU72015A	540-648	165	7	2 1/16	4 3/8	PSU54065
800-960	110/125	5	1 13/16	4 3/8	PSU80015	540-648	165	4	1 13/16	3 3/8	PSU54065A
800-960	110/125	4	1 13/16	3 3/8	PSU80015A	21-25	220/250	1	1 7/16	2 3/4	PSU2135
815-978	110/125	5	1 13/16	4 3/8	PSU81515	25-30	220/250	1	1 7/16	2 3/4	PSU2535
815-978	110/125	4	1 13/16	3 3/8	PSU81515A	30-36	220/250	1	1 7/16	2 3/4	PSU3035
829-995	110/125	5	1 13/16	4 3/8	PSU82915A	36-43	220/250	1	1 7/16	2 3/4	PSU3635
829-995	110/125	4	1 13/16	3 3/8	PSU82915B	43-52	220/250	2	1 7/16	3 3/8	PSU4335B
850-1020	110/125	5	1 13/16	4 3/8	PSU85015	43-52	220/250	1	1 7/16	2 3/4	PSU4335C
850-1020	110/125	4	1 13/16	3 3/8	PSU85015A	47-56	220/250	2	1 7/16	3 3/8	PSU4735
1000-1200	110/125	7	2 1/16	4 3/8	PSU100015A	47-56	220/250	1	1 7/16	2 3/4	PSU4735A
1020-1224	110/125	7	2 1/16	4 3/8	PSU102015	53-64	220/250	2	1 7/16	3 3/8	PSU5335
1175-1410	110/125	7	2 1/16	4 3/8	PSU117515	53-64	220/250	1	1 7/16	2 3/4	PSU5335A
1280-1536	110/125	7	2 1/16	4 3/8	PSU128015	64-77	220/250	2	1 7/16	3 3/8	PSU6435
21-25	165	1	1 7/16	2 3/4	PSU2165A	64-77	220/250	1	1 7/16	2 3/4	PSU6435A
25-30	165	1	1 7/16	2 3/4	PSU2565A	72-86	220/250	4	1 13/16	3 3/8	PSU7235
30-36	165	1	1 7/16	2 3/4	PSU3065A	88-106	220/250	4	1 13/16	3 3/8	PSU8835
36-43	165	1	1 7/16	2 3/4	PSU3665A	108-130	220/250	4	1 13/16	3 3/8	PSU10835A
43-52	165	1	1 7/16	2 3/4	PSU4365A	124-149	220/250	5	1 13/16	4 3/8	PSU12435
47-56	165	1	1 7/16	2 3/4	PSU4765A	124-149	220/250	4	1 13/16	3 3/8	PSU12435A
53-64	165	1	1 7/16	2 3/4	PSU5365A	130-156	220/250	5	1 13/16	4 3/8	PSU13035
64-77	165	1	1 7/16	2 3/4	PSU6465A	130-156	220/250	4	1 13/16	3 3/8	PSU13035A
72-86	165	1	1 7/16	2 3/4	PSU7265A	145-174	220/250	5	1 13/16	4 3/8	PSU14535
88-106	165	2	1 7/16	3 3/8	PSU8865	145-174	220/250	4	1 13/16	3 3/8	PSU14535A
88-106	165	1	1 7/16	2 3/4	PSU8865A	161-193	220/250	7	2 1/16	4 3/8	PSU16135A
108-130	165	2	1 7/16	3 3/8	PSU10865	189-227	220/250	7	2 1/16	4 3/8	PSU18935A
108-130	165	1	1 7/16	2 3/4	PSU10865A	189-227	220/250	6	2 1/16	3 3/8	PSU18935B
124-149	165	2	1 7/16	3 3/8	PSU12465	216-259	220/250	7	2 1/16	4 3/8	PSU21635A
124-149	165	1	1 7/16	2 3/4	PSU12465A	216-259	220/250	6	2 1/16	3 3/8	PSU21635B
130-156	165	2	1 7/16	3 3/8	PSU13065	233-280	220/250	7	2 1/16	4 3/8	PSU23335A
130-156	165	1	1 7/16	2 3/4	PSU13065A	233-280	220/250	6	2 1/16	3 3/8	PSU23335B
145-174	165	2	1 7/16	3 3/8	PSU14565	243-292	220/250	7	2 1/16	4 3/8	PSU24335
145-174	165	1	1 7/16	2 3/4	PSU14565A	243-292	220/250	6	2 1/16	3 3/8	PSU24335A
161-193	165	2	1 7/16	3 3/8	PSU16165	270-324	220/250	7	2 1/16	4 3/8	PSU27035A
161-193	165	1	1 7/16	2 3/4	PSU16165A	270-324	220/250	6	2 1/16	3 3/8	PSU27035B
189-227	165	2	1 7/16	3 3/8	PSU18965B	16-20	330	2	1 7/16	3 3/8	PSU1630
189-227	165	1	1 7/16	2 3/4	PSU18965C	18-22	330	4	1 13/16	3 3/8	PSU1830
216-259	165	4	1 13/16	3 3/8	PSU21665A	21-25	330	1	1 7/16	2 3/4	PSU2130
233-280	165	3	1 7/16	4 3/8	PSU23365	21-25	330	2	1 7/16	3 3/8	PSU2130A
233-280	165	4	1 13/16	3 3/8	PSU23365A	25-30	330	2	1 7/16	3 3/8	PSU2530
243-292	165	3	1 7/16	4 3/8	PSU24365	30-36	330	2	1 7/16	3 3/8	PSU3030
243-292	165	4	1 13/16	3 3/8	PSU24365A	36-43	330	2	1 7/16	3 3/8	PSU3630
270-324	165	3	1 7/16	4 3/8	PSU27065A	43-52	330	2	1 7/16	3 3/8	PSU4330

See page 5.000 for capacitor hardware and resistor options.

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Cap (µF)	Vac	Case Code	Diameter (Inches) ±.015	Length (Inches) ±.06	Catalog Part Number	Cap (µF)	Vac	Case Code	Diameter (Inches) ±.015	Length (Inches) ±.06	Catalog Part Number
43-52	330	4	1 13/16	3 3/8	PSU4330A	189-227	330	8	2 9/16	4 3/8	PSU18930
47-56	330	4	1 13/16	3 3/8	PSU4730	189-227	330	7	2 1/16	4 3/8	PSU18930A
53-64	330	4	1 13/16	3 3/8	PSU5330B	216-259	330	8	2 9/16	4 3/8	PSU21630
64-77	330	4	1 13/16	3 3/8	PSU6430	216-259	330	7	2 1/16	4 3/8	PSU21630A
72-86	330	5	1 13/16	3 3/8	PSU7230B	270-324	330	8	2 9/16	4 3/8	PSU27030
72-86	330	4	1 13/16	3 3/8	PSU7230C	270-324	330	7	2 1/16	4 3/8	PSU27030A
88-106	330	5	1 13/16	4 3/8	PSU8830A	378-454	330	8	2 9/16	4 3/8	PSU37830
88-106	330	4	1 13/16	3 3/8	PSU8830B	460-552	330	8	2 9/16	4 3/8	PSU46030
108-130	330	7	2 1/16	4 3/8	PSU10830B						
124-149	330	8	2 9/16	4 3/8	PSU12430						
124-149	330	7	2 1/16	4 3/8	PSU12430A						
130-156	330	7	2 1/16	4 3/8	PSU13030A						
145-174	330	7	2 1/16	4 3/8	PSU14530A						
161-193	330	8	2 9/16	4 3/8	PSU16130						
161-193	330	7	2 1/16	4 3/8	PSU16130A						

See page 5.000 for capacitor hardware and resistor options.