

# RICHEY CAPACITOR, INC

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## Series RR65 UL Motor Run Capacitors



### *Technical Specifications*

<b>Standard:</b>	<b>IEC60252</b>
<b>Working Frequency:</b>	50/60 Hz
<b>Capacitance Range:</b>	3 $\mu$ F ~ 80 $\mu$ F
<b>Capacitance Tolerance:</b>	$\pm$ 5%, $\pm$ 3% upon request
<b>Rated Voltage:</b>	370 & 440/450VAC
<b>Temperature range:</b>	-40/+85, 90, 100°C
<b>Dielectric dissipation:</b>	$\leq$ 0.002 (50Hz~100Hz)
<b>Life expectancy:</b>	3,000 hours (class C) 10,000 hours (class B)

### **Features:**

These capacitors take heavy-edge metallized Al/Zn PP film for their dielectric. The elements are tightly wound by velocity winders and are canned into aluminum cases. Refined castor oil is used as an impregnation agent in which the capacitors are soaked in vacuum and high temperature conditions, giving more reliable performance and longer lifespan to the capacitor. Oval and round cans are available.

### **Applications:**

Broadly applied to starting and running of single-phase AC motors at 50/60Hz frequency. Typical applications for this range of capacitors include air conditioners and high power illuminators for the sake of power factor compensation.

# Series RR65 Round Type

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Rated Voltage (VAC)	Capacitance ( $\mu$ F)	Size (D x L) (mm)
370	3	45 x 60
	4	45 x 60
	5	45 x 60
	6	45 x 60
	7.5	45 x 60
	10	45 x 60
	12.5	45 x 60
	15	45 x 60
	17.5	45 x 75
	20	45 x 75
	25	45 x 75
	30	45 x 80
	35	50 x 95
	40	50 x 95
	45	50 x 95
	50	50 x 95
	55	50 x 100
	60	63.5 x 95
	70	63.5 x 95
	80	63.5 x 95

Rated Voltage (VAC)	Capacitance ( $\mu$ F)	Size (D x L) (mm)
440/450	15	45 x 95
	20	45 x 95
	25	45 x 95
	30	45 x 95
	35	45 x 100
	40	45 x 100
	45	63.5 x 100
	50	63.5 x 100
	55	63.5 x 100
	60	63.5 x 100
	65	63.5 x 100
	70	63.5 x 120
	75	63.5 x 120
	80	63.5 x 120

# Series RR65 Round Dual Type

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Rated Voltage (VAC)	Capacitance (μF)	Size (D x L) (mm)
370		
	15/5	50 x 70
	25/5	50 x 100
	25/7.5	50 x 100
	30/5	50 x 110
	30/7.5	50 x 110
	35/4	50 x 110
	35/5	50 x 110
	35/6	50 x 110
	35/7.5	50 x 110
	35/10	10 x 110
	40/5	50 x 110
	40/7.5	50 x 110
	40/10	50 x 110
	45/5	50 x 125
	45/7.5	50 x 125
	50/5	50 x 125
	50/7.5	50 x 125
	50/10	50 x 125
	55/5	50 x 125
	60/5	50 x 135
	60/7.5	63.5 x 120
	60/8	63.5 x 120
	60/10	63.5 x 120
60/15	63.5 x 120	
80/5	63.5 x 120	
80/10	63.5 x 130	

Rated Voltage (VAC)	Capacitance (μF)	Size (D x L) (mm)
440/450	25/6	50 x 105
	25/7.5	50 x 105
	35/4	50 x 105
	35/5	50 x 105
	35/6	50 x 120
	40/5	50 x 120
	40/10	50 x 120
	45/5	50 x 120
	45/7.5	50 x 125
	55/5	60 x 130
	60/5	60 x 130
	60/7.5	60 x 130

## Series RR65 Oval Type

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Rated Voltage (VAC)	Capacitance (μF)	Length (mm)	Width (mm)	Height (mm)
370	3	52	32	55
	4	52	32	55
	5	52	32	55
	6	52	32	65
	7.5	52	32	65
	10	52	32	65
	12.5	52	32	100
	15	52	32	100
	20	52	32	110

Rated Voltage (VAC)	Capacitance (μF)	Length (mm)	Width (mm)	Height (mm)
440/450	4	52	32	55
	10	52	32	65
	15	52	32	95

## Series RR65 Oval Dual Type

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Rated Voltage (VAC)	Capacitance (μF)	Length (mm)	Width (mm)	Height (mm)
370	15/4	71	45	73
	15/5	71	45	73
	25/3	71	45	78
	25/4	71	45	78
	25/5	71	45	78
	30/5	71	45	83
	30/7.5	71	45	93
	35/5	71	45	93
	45/5	71	45	108
	50/5	71	45	113
	60/7.5	71	45	128

Rated Voltage (VAC)	Capacitance (μF)	Length (mm)	Width (mm)	Height (mm)
44/450	25/5	71	45	88