

# ROUND MOTOR RUN AC ELECTROLYTIC

## MRRC SERIES

The MRRC Series Motor Run Capacitors offer outstanding electrical characteristics, high capacitance stability over time and temperature, and very low internal power losses (Dissipation Factor). Possible applications include; electric motor, pumps, air conditioning, compressor, lighting, and general purpose AC applications.

### FEATURES:

- Two .250" Quick Connect Terminals
- Low-Loss, Self-Healing Metallized Polypropylene Film Dielectric
- Round Aluminum Case
- 370VAC and 440VAC Types
- 10,000 AFC Protected

### RATINGS

#### Capacitance Range:

370 Volts – 4 $\mu$ F to 70 $\mu$ F

440 Volts – 20 $\mu$ F to 70 $\mu$ F

### PERFORMANCE SPECIFICATIONS

#### Operating Temperature Range:

4 $\mu$ F to 25 $\mu$ F – -25°C to +85°C

30 $\mu$ F to 70 $\mu$ F – -40°C to +70°C

**Operating Frequency:** 50 – 60Hz

**Insulation Resistance:** 2000M $\Omega$  min between terminals and case

#### Dissipation Factor:

4 $\mu$ F to 25 $\mu$ F – 0.15% Max at 60Hz, +25°C

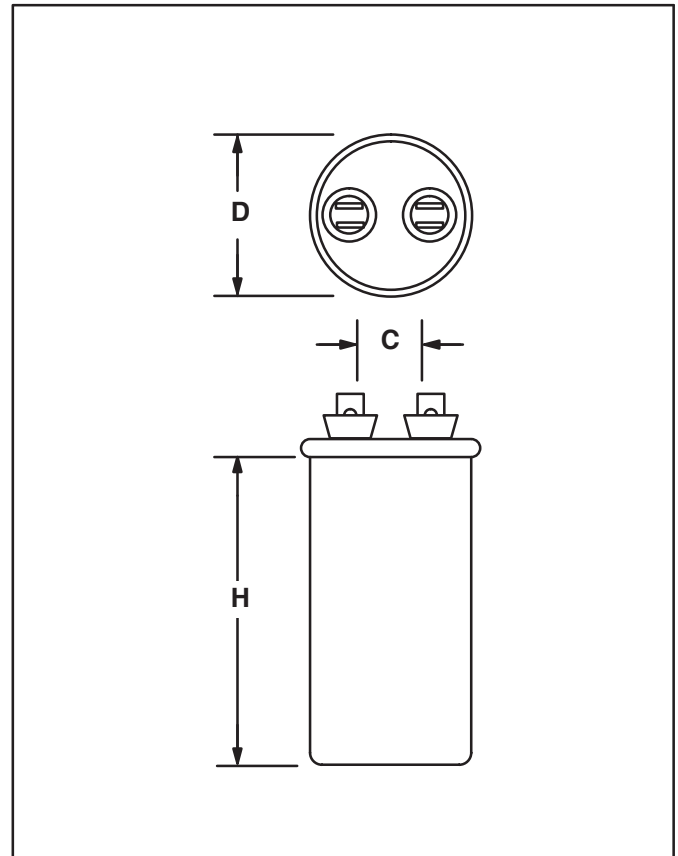
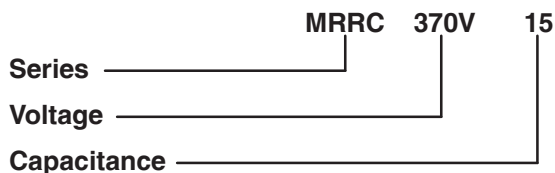
30 $\mu$ F to 70 $\mu$ F – 0.1% Max

**Overvoltage:** 175% of standard rated voltage for 10 seconds

### CAPACITOR CONSTRUCTION

These devices feature a low-loss, self-healing metallized Polypropylene Film dielectric system, which is oil-filled, and is protected by a 10,000 AFC Safety Pressure Interrupter.

### ORDERING INFORMATION



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## MRRC SERIES

### 370VAC Ratings and Dimensions

NTE Type Number	Capacitance $\mu\text{F}$	Tolerance %	Case Dimensions – Inch (mm)		
			D	H	C
MRRC370V4	4	5	1.67 (42.0)	2.17 (55.0)	0.84 (21.3)
MRRC370V5	5	5	1.67 (42.0)	2.17 (55.0)	0.84 (21.3)
MRRC370V7R5	7.5	5	1.87 (47.0)	2.36 (60.0)	0.84 (21.3)
MRRC370V15	15	5	1.87 (47.0)	2.95 (75.0)	0.84 (21.3)
MRRC370V20	20	5	2.07 (52.6)	2.56 (65.0)	0.81 (20.6)
MRRC370V25	25	5	1.87 (47.0)	3.94 (100.0)	0.84 (21.3)
MRRC370V30	30	5	2.07 (52.6)	2.95 (75.0)	0.81 (20.6)
MRRC370V35	35	5	2.07 (52.6)	2.95 (75.0)	0.81 (20.6)
MRRC370V40	40	5	2.07 (52.6)	3.75 (95.25)	0.81 (20.6)
MRRC370V45	45	5	2.07 (52.6)	3.45 (90.0)	0.81 (20.6)
MRRC370V50	50	5	2.07 (52.6)	3.94 (100.0)	0.81 (20.6)
MRRC370V55	55	5	2.07 (52.6)	4.33 (110.0)	0.81 (20.6)
MRRC370V60	60	5	2.07 (52.6)	4.33 (110.0)	0.81 (20.6)
MRRC370V65	65	5	2.46 (62.5)	3.94 (100.0)	0.81 (20.6)
MRRC370V70	70	5	2.46 (62.5)	5.00 (127.0)	0.81 (20.6)

### 440VAC Ratings and Dimensions

NTE Type Number	Capacitance $\mu\text{F}$	Tolerance %	Case Dimensions – Inch (mm)		
			D	H	C
MRRC440V20	20	5	1.87 (47.0)	3.94 (100.0)	0.84 (21.3)
MRRC440V25	25	5	1.87 (47.0)	3.94 (100.0)	0.84 (21.3)
MRRC440V30	30	5	2.07 (52.6)	3.35 (85.0)	0.81 (20.6)
MRRC440V35	35	5	2.07 (52.6)	3.94 (100.0)	0.81 (20.6)
MRRC440V40	40	5	2.07 (52.6)	3.94 (100.0)	0.81 (20.6)
MRRC440V45	45	5	2.07 (52.6)	4.33 (110.0)	0.81 (20.6)
MRRC440V50	50	5	2.07 (52.6)	4.33 (110.0)	0.81 (20.6)
MRRC440V55	55	5	2.46 (62.5)	3.94 (100.0)	0.81 (20.6)
MRRC440V60	60	5	2.46 (62.5)	3.94 (100.0)	0.81 (20.6)
MRRC440V65	65	5	2.46 (62.5)	4.33 (110.0)	0.81 (20.6)
MRRC440V70	70	5	2.46 (62.5)	4.92 (125.0)	0.81 (20.6)