

# 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° to +85°C

30 $\mu$ F to 70 $\mu$ F – -40° 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

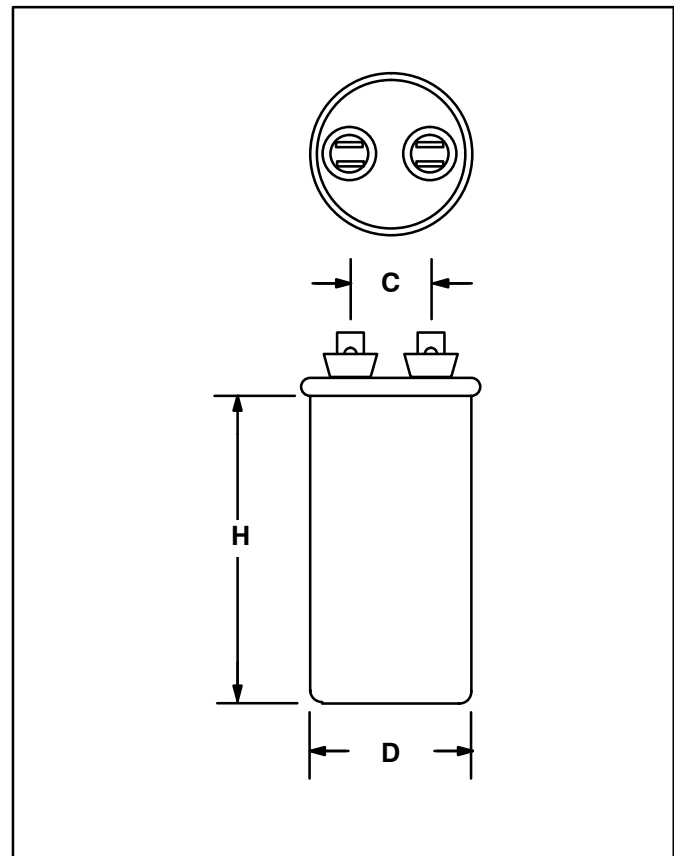
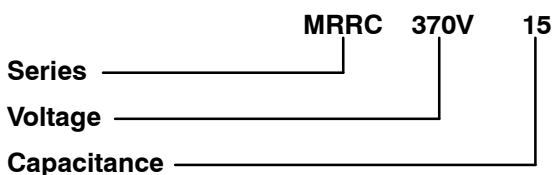
30 $\mu$ F to 70 $\mu$ F – 0.1% Max

**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



# ROUND MOTOR RUN AC ELECTROLYTIC

## MRRC SERIES

### 370VAC Ratings and Dimensions

| NTE Type Number | Capacitance<br>$\mu\text{F}$ | Tolerance<br>% | Case Dimensions * – Inch (mm) |              |             |
|-----------------|------------------------------|----------------|-------------------------------|--------------|-------------|
|                 |                              |                | D                             | H            | C           |
| MRRC370V4       | 4                            | 6              | 1.75 (44.5)                   | 2.00 (50.8)  | 0.85 (21.6) |
| MRRC370V5       | 5                            | 6              | 1.75 (44.5)                   | 2.00 (50.8)  | 0.85 (21.6) |
| MRRC370V7R5     | 7.5                          | 6              | 1.75 (44.5)                   | 2.00 (50.8)  | 0.85 (21.6) |
| MRRC370V15      | 15                           | 6              | 1.75 (44.5)                   | 2.38 (60.5)  | 0.85 (21.6) |
| MRRC370V20      | 20                           | 6              | 1.75 (44.5)                   | 2.63 (66.8)  | 0.85 (21.6) |
| MRRC370V25      | 25                           | 6              | 1.75 (44.5)                   | 2.63 (66.8)  | 0.85 (21.6) |
| MRRC370V30      | 30                           | 6              | 1.78 (45.2)                   | 2.79 (70.9)  | 0.85 (21.6) |
| MRRC370V35      | 35                           | 6              | 2.00 (50.8)                   | 3.00 (76.2)  | 0.85 (21.6) |
| MRRC370V40      | 40                           | 6              | 1.75 (44.5)                   | 3.75 (95.3)  | 0.85 (21.6) |
| MRRC370V45      | 45                           | 6              | 2.00 (50.8)                   | 3.38 (85.9)  | 0.85 (21.6) |
| MRRC370V50      | 50                           | 6              | 2.00 (50.8)                   | 3.75 (95.3)  | 0.85 (21.6) |
| MRRC370V55      | 55                           | 6              | 2.07 (52.6)                   | 4.25 (108.0) | 0.85 (21.6) |
| MRRC370V60      | 60                           | 6              | 2.00 (50.8)                   | 3.75 (95.3)  | 0.85 (21.6) |
| MRRC370V65      | 65                           | 6              | 2.00 (50.8)                   | 4.00 (101.6) | 0.85 (21.6) |
| MRRC370V70      | 70                           | 6              | 2.00 (50.8)                   | 4.75 (120.7) | 0.85 (21.6) |
| MRRC370V80      | 80                           | 6              | –                             | –            | –           |

\* These dimensions are for reference only, please consult the factory for actual size.

### 440VAC Ratings and Dimensions

| NTE Type Number | Capacitance<br>$\mu\text{F}$ | Tolerance<br>% | Case Dimensions * – Inch (mm) |              |             |
|-----------------|------------------------------|----------------|-------------------------------|--------------|-------------|
|                 |                              |                | D                             | H            | C           |
| MRRC440V20      | 20                           | 6              | 1.75 (44.5)                   | 2.75 (69.9)  | 0.84 (21.3) |
| MRRC440V25      | 25                           | 6              | 1.75 (44.5)                   | 3.00 (76.2)  | 0.84 (21.3) |
| MRRC440V30      | 30                           | 6              | 1.75 (44.5)                   | 3.38 (85.9)  | 0.81 (20.6) |
| MRRC440V35      | 35                           | 6              | 1.75 (44.5)                   | 3.75 (95.3)  | 0.81 (20.6) |
| MRRC440V40      | 40                           | 6              | 1.75 (44.5)                   | 4.00 (101.6) | 0.81 (20.6) |
| MRRC440V45      | 45                           | 6              | 2.07 (52.6)                   | 4.33 (110.0) | 0.81 (20.6) |
| MRRC440V50      | 50                           | 6              | 2.00 (50.8)                   | 3.75 (95.3)  | 0.81 (20.6) |
| MRRC440V55      | 55                           | 6              | 2.00 (50.8)                   | 4.00 (101.6) | 0.81 (20.6) |
| MRRC440V60      | 60                           | 6              | 2.50 (63.5)                   | 3.75 (95.3)  | 0.81 (20.6) |
| MRRC440V65      | 65                           | 6              | 2.50 (63.5)                   | 4.00 (101.6) | 0.81 (20.6) |
| MRRC440V70      | 70                           | 6              | 2.50 (63.5)                   | 4.75 (120.7) | 0.81 (20.6) |
| MRRC440V80      | 80                           | 6              | 2.50 (63.5)                   | 4.75 (120.7) | 0.81 (20.6) |

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