

# DUAL ROUND MOTOR RUN AC ELECTROLYTIC

## MRRC SERIES

The MRRC Series Dual 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:

- Dual Rated Values
- Three .250" Quick Connect Terminals
- Round Aluminum Case
- Aluminum Oil Filled Construction
- Plastic Dry Construction
- 370VAC and 440VAC Types
- 10,000 AFC Protected

### RATINGS

#### Capacitance Range:

370 Volts – 5 $\mu$ F / 15 $\mu$ F to 5 $\mu$ F / 80 $\mu$ F

440 Volts – 5 $\mu$ F / 15 $\mu$ F to 7.5 $\mu$ F / 60 $\mu$ F

### PERFORMANCE SPECIFICATIONS

**Operating Temperature Range:** -40°C to +70°C

**Dissipation Factor:** 0.1% Max

**Leakage Current:** 30 $\mu$ A Max

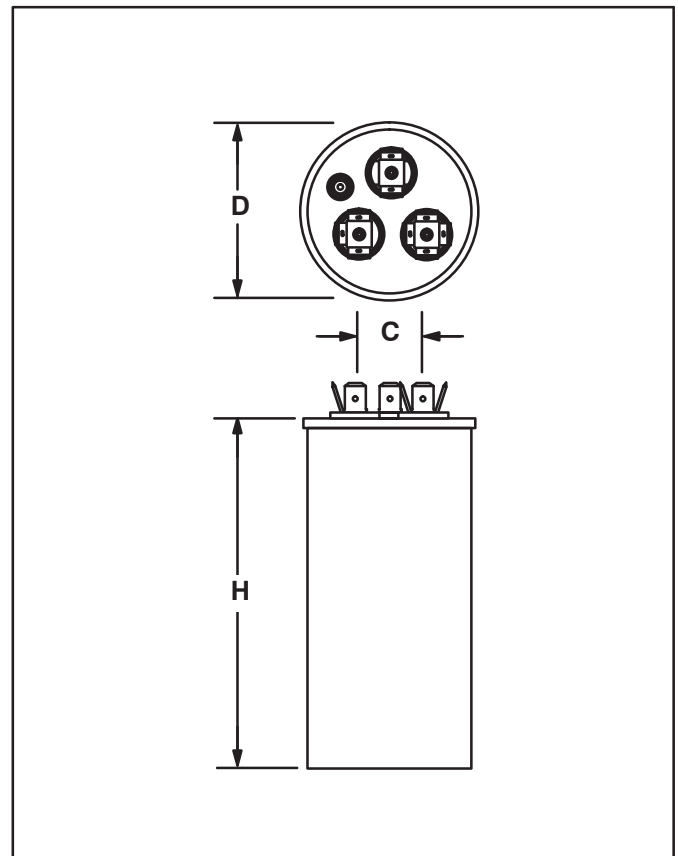
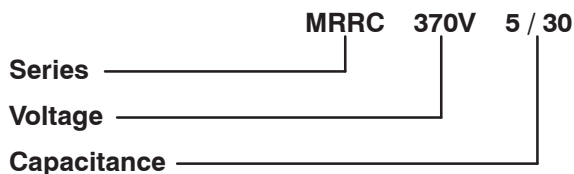
**Operating Frequency:** 50 – 60Hz

**Operating Life:** 60,000 hours with 94% survival

### 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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### 370VAC Ratings and Dimensions

| NTE Type Number | Capacitance<br>$\mu\text{F}$ | Tolerance<br>% | Case Dimensions * - Inch (mm) |              |             |
|-----------------|------------------------------|----------------|-------------------------------|--------------|-------------|
|                 |                              |                | D                             | H            | C           |
| MRRC370V5/15    | 5 / 15                       | 5              | 2.07 (52.6)                   | 2.17 (55.0)  | 0.81 (20.6) |
| MRRC370V7R5/15  | 7.5 / 15                     | 5              | 2.07 (52.6)                   | 2.75 (69.9)  | 0.81 (20.6) |
| MRRC370V5/20    | 5 / 20                       | 5              | 2.07 (52.6)                   | 2.56 (65.0)  | 0.81 (20.6) |
| MRRC370V7R5/20  | 7.5 / 20                     | 5              | 2.07 (52.6)                   | 2.75 (69.9)  | 0.81 (20.6) |
| MRRC370V10/20   | 10 / 20                      | 5              | 2.07 (52.6)                   | 2.95 (75.0)  | 0.81 (20.6) |
| MRRC370V5/25    | 5 / 25                       | 5              | 2.07 (52.6)                   | 2.95 (75.0)  | 0.81 (20.6) |
| MRRC370V7R5/25  | 7.5 / 25                     | 5              | 2.07 (52.6)                   | 2.95 (75.0)  | 0.81 (20.6) |
| MRRC370V10/25   | 10 / 25                      | 5              | 2.07 (52.6)                   | 2.95 (75.0)  | 0.81 (20.6) |
| MRRC370V3/30    | 3 / 30                       | 5              | 2.07 (52.6)                   | 2.95 (75.0)  | 0.81 (20.6) |
| MRRC370V5/30    | 5 / 30                       | 5              | 2.07 (52.6)                   | 2.95 (75.0)  | 0.81 (20.6) |
| MRRC370V7R5/30  | 7.5 / 30                     | 5              | 2.07 (52.6)                   | 3.35 (85.0)  | 0.81 (20.6) |
| MRRC370V10/30   | 10 / 30                      | 5              | 2.07 (52.6)                   | 3.54 (90.0)  | 0.81 (20.6) |
| MRRC370V5/35    | 5 / 35                       | 5              | 2.07 (52.6)                   | 3.35 (85.0)  | 0.81 (20.6) |
| MRRC370V7R5/35  | 7.5 / 35                     | 5              | 2.07 (52.6)                   | 3.35 (85.0)  | 0.81 (20.6) |
| MRRC370V5/40    | 5 / 40                       | 5              | 2.07 (52.6)                   | 3.54 (90.0)  | 0.81 (20.6) |
| MRRC370V7R5/40  | 7.5 / 40                     | 5              | 2.07 (52.6)                   | 3.54 (90.0)  | 0.81 (20.6) |
| MRRC370V10/40   | 10 / 40                      | 5              | 2.07 (52.6)                   | 3.94 (100.0) | 0.81 (20.6) |
| MRRC370V5/45    | 5 / 45                       | 5              | 2.07 (52.6)                   | 3.94 (100.0) | 0.81 (20.6) |
| MRRC370V7R5/45  | 7.5 / 45                     | 5              | 2.07 (52.6)                   | 3.94 (100.0) | 0.81 (20.6) |
| MRRC370V10/45   | 10 / 45                      | 5              | 2.07 (52.6)                   | 3.94 (100.0) | 0.81 (20.6) |
| MRRC370V5/50    | 5 / 50                       | 5              | 2.07 (52.6)                   | 4.92 (125.0) | 0.81 (20.6) |
| MRRC370V7R5/50  | 7.5 / 50                     | 5              | 2.07 (52.6)                   | 4.33 (110.0) | 0.81 (20.6) |
| MRRC370V10/50   | 10 / 50                      | 5              | 2.07 (52.6)                   | 4.33 (110.0) | 0.81 (20.6) |
| MRRC370V5/55    | 5 / 55                       | 5              | 2.07 (52.6)                   | 4.92 (125.0) | 0.81 (20.6) |
| MRRC370V7R5/55  | 7.5 / 55                     | 5              | 2.07 (52.6)                   | 4.33 (110.0) | 0.81 (20.6) |
| MRRC370V10/55   | 10 / 55                      | 5              | 2.07 (52.6)                   | 4.33 (110.0) | 0.81 (20.6) |
| MRRC370V5/60    | 5 / 60                       | 5              | 2.07 (52.6)                   | 4.92 (125.0) | 0.81 (20.6) |
| MRRC370V7R5/60  | 7.5 / 60                     | 5              | 2.07 (52.6)                   | 4.92 (125.0) | 0.81 (20.6) |
| MRRC370V5/80    | 5 / 80                       | 5              | 2.46 (62.5)                   | 3.94 (100.0) | 0.81 (20.6) |

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

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### 440VAC Ratings and Dimensions

| NTE Type Number | Capacitance<br>$\mu\text{F}$ | Tolerance<br>% | Case Dimensions * – Inch (mm) |              |             |
|-----------------|------------------------------|----------------|-------------------------------|--------------|-------------|
|                 |                              |                | D                             | H            | C           |
| MRRC440V5/15    | 5 / 15                       | 5              | 2.07 (52.6)                   | 2.56 (65.0)  | 0.81 (20.6) |
| MRRC440V7R5/15  | 7.5 / 15                     | 5              | 2.07 (52.6)                   | 2.56 (65.0)  | 0.81 (20.6) |
| MRRC440V5/20    | 5 / 20                       | 5              | 2.07 (52.6)                   | 2.95 (75.0)  | 0.81 (20.6) |
| MRRC440V7R5/20  | 7.5 / 20                     | 5              | 2.07 (52.6)                   | 2.95 (75.0)  | 0.81 (20.6) |
| MRRC440V5/25    | 5 / 25                       | 5              | 2.07 (52.6)                   | 3.35 (85.0)  | 0.81 (20.6) |
| MRRC440V7R5/25  | 7.5 / 25                     | 5              | 2.07 (52.6)                   | 3.35 (85.0)  | 0.81 (20.6) |
| MRRC440V5/30    | 5 / 30                       | 5              | 2.07 (52.6)                   | 3.94 (100.0) | 0.81 (20.6) |
| MRRC440V7R5/30  | 7.5 / 30                     | 5              | 2.07 (52.6)                   | 3.94 (100.0) | 0.81 (20.6) |
| MRRC440V10/30   | 10 / 30                      | 5              | 2.07 (52.6)                   | 3.94 (100.0) | 0.81 (20.6) |
| MRRC440V5/35    | 5 / 35                       | 5              | 2.07 (52.6)                   | 3.94 (100.0) | 0.81 (20.6) |
| MRRC440V7R5/35  | 7.5 / 35                     | 5              | 2.07 (52.6)                   | 4.33 (110.0) | 0.81 (20.6) |
| MRRC440V5/40    | 5 / 40                       | 5              | 2.07 (52.6)                   | 4.33 (110.0) | 0.81 (20.6) |
| MRRC440V7R5/40  | 7.5 / 40                     | 5              | 2.07 (52.6)                   | 4.25 (110.0) | 0.81 (20.6) |
| MRRC440V5/45    | 5 / 45                       | 5              | 2.46 (62.5)                   | 3.94 (100.0) | 0.81 (20.6) |
| MRRC440V7R5/45  | 7.5 / 45                     | 5              | 2.46 (62.5)                   | 3.94 (100.0) | 0.81 (20.6) |
| MRRC440V5/50    | 5 / 50                       | 5              | 2.46 (62.5)                   | 3.94 (100.0) | 0.81 (20.6) |
| MRRC440V7R5/50  | 7.5 / 50                     | 5              | 2.46 (62.5)                   | 3.94 (100.0) | 0.81 (20.6) |
| MRRC440V5/55    | 5 / 55                       | 5              | 2.46 (62.5)                   | 3.94 (100.0) | 0.81 (20.6) |
| MRRC440V7R5/55  | 7.5 / 55                     | 5              | 2.46 (62.5)                   | 3.94 (100.0) | 0.81 (20.6) |
| MRRC440V5/60    | 5 / 60                       | 5              | 2.46 (62.5)                   | 4.33 (110.0) | 0.81 (20.6) |
| MRRC440V7R5/60  | 7.5 / 60                     | 5              | 2.46 (62.5)                   | 4.33 (110.0) | 0.81 (20.6) |

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