

MKR Series

370/440 VAC • 50/60 Hz



Product Overview

The MKR Series run capacitors are optimized for motor applications where enhanced torque and energy efficiency are critical. By providing a controlled phase shift to the motor's winding, these capacitors improve torque performance and elevate the power factor. Their robust design ensures reliable operation in continuous-duty environments, making them ideal for use in HVAC/R systems, pumps, compressors, and other industrial and commercial motor-driven equipment.

Certification & Compliance

cRUus

File No. E499991

Features & Benefits

FEATURES	BENEFITS
Single and dual rated values	To meet a broad range of applications
Round or oval case options	To maximize product footprint
Aluminum oil filled construction	To help cool and extend the life of the capacitor
Designed & manufactured in accordance with UL 810 and EIA standard RS-456	To ensure product meets quality benchmarks
Custom configurations available	To meet specific application and performance requirements

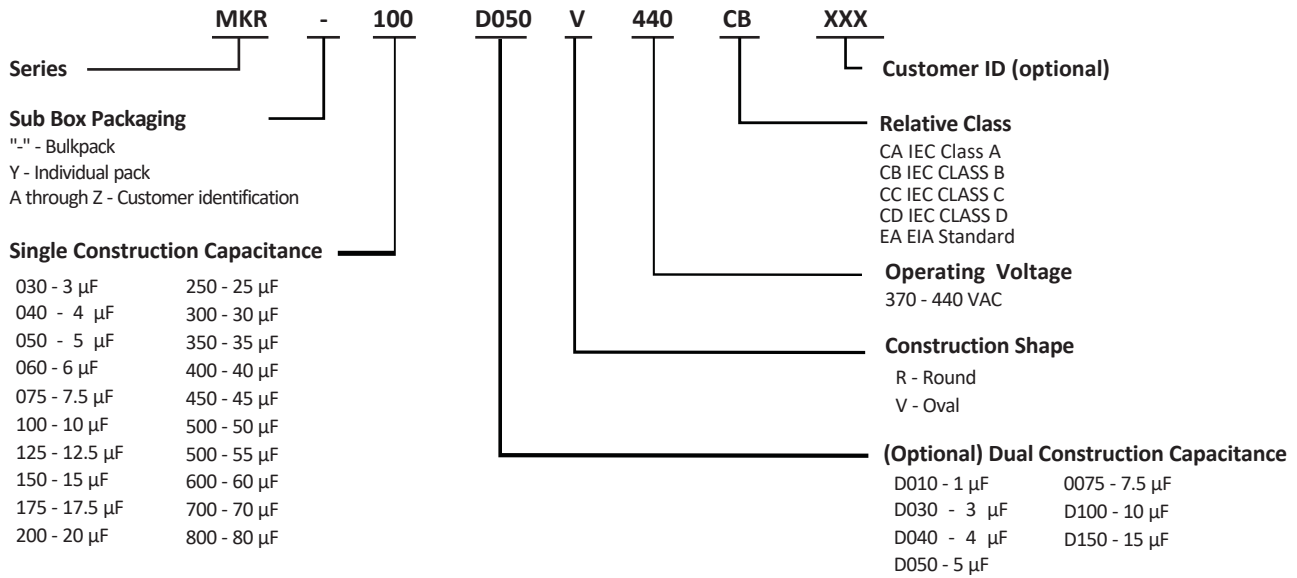
Applications

- HVAC/R
- Food & Beverage
- Pool & Spa
- Motors

Electrical Specifications

Coil Terminal Connections	.250" x .032" quick connect terminals
Rated AC Voltage	370 and 440 VAC
Operating Temperature	-40°C to 70°C; -40°F to 158°F (85°C is available upon request)
Dissipation Factor	0.1% max.
Internal Protection	0.1% max.; UL recognized internal protection bridge capable of interrupting up to 10K amp
Capacitance Tolerance	3% available
Leakage Current	30 μ A max.
Frequency	50/60 Hz
Operating Life	22,000 hours with 94% survival 60,000 hours available
Case Material/Finish	Unpainted aluminum construction
Mounting Method	Strap Mount

Part Number Nomenclature



Ordering Information

Oval Case - Single Construction

Oval Case - Single Construction - 370/440V						
Wholesale P/N	MKT P/N	Construction Type	Capacitance (μ F)	Capacitance Tolerance	Voltage 370/440 (VAC)	Frequency (Hz)
MEK-2/440	MKR-020V440CB	Single	2	3%	440	50/60
MEK-3/440	MKR-030V440CB	Single	3	3%	440	50/60
MEK-4/440	MKR-040V440CB	Single	4	3%	440	50/60
MEK-5/440	MKR-050V440CB	Single	5	3%	440	50/60
MEK-6/440	MKR-060V440CB	Single	6	3%	440	50/60
MEK-7.5/440	MKR-075V440CB	Single	7.5	3%	440	50/60
MEK-10/440	MKR-100V440CB	Single	10	3%	440	50/60
MEK-12.5/440	MKR-125V440CB	Single	12.5	3%	440	50/60
MEK-15/440	MKR-150V440CB	Single	15	3%	440	50/60
MEK-17.5/440	MKR-175V440CB	Single	17.5	3%	440	50/60
MEK-20/440	MKR-200V440CB	Single	20	3%	440	50/60
MEK-25/440	MKR-250V440CB	Single	25	3%	440	50/60
MEK-30/440	MKR-300V440CB	Single	30	3%	440	50/60
MEK-35/440	MKR-350V440CB	Single	35	3%	440	50/60
MEK-40/440	MKR-400V440CB	Single	40	3%	440	50/60
MEK-45/440	MKR-450V440CB	Single	45	3%	440	50/60
MEK-50/440	MKR-500V440CB	Single	50	3%	440	50/60
MEK-55/440	MKR-550V440CB	Single	55	3%	440	50/60
MEK-60/440	MKR-600V440CB	Single	60	3%	440	50/60
MEK-70/440	MKR-700V440CB	Single	70	3%	440	50/60
MEK-80/440	MKR-800V440CB	Single	80	3%	440	50/60



Ordering Information

Round Case - Single Construction

Round Case - Single Construction - 370/440V						
Wholesale P/N	MKT P/N	Construction Type	Capacitance (μF)	Capacitance Tolerance	Voltage 370/440 (VAC)	Frequency (Hz)
MEK-3/440R	MKR-030R440CB	Single	3	3%	440	50/60
MEK-4/440R	MKR-040R440CB	Single	4	3%	440	50/60
MEK-5/440R	MKR-050R440CB	Single	5	3%	440	50/60
MEK-7.5/440R	MKR-075R440CB	Single	7.5	3%	440	50/60
MEK-10/440R	MKR-100R440CB	Single	10	3%	440	50/60
MEK-12.5/440R	MKR-125R440CB	Single	12.5	3%	440	50/60
MEK-15/440R	MKR-150R440CB	Single	15	3%	440	50/60
MEK-20/440R	MKR-200R440CB	Single	20	3%	440	50/60
MEK-25/440R	MKR-250R440CB	Single	25	3%	440	50/60
MEK-30/440R	MKR-300R440CB	Single	30	3%	440	50/60
MEK-35/440R	MKR-350R440CB	Single	35	3%	440	50/60
MEK-40/440R	MKR-400R440CB	Single	40	3%	440	50/60
MEK-45/440R	MKR-450R440CB	Single	45	3%	440	50/60
MEK-50/440R	MKR-500R440CB	Single	50	3%	440	50/60
MEK-55/440R	MKR-550R440CB	Single	55	3%	440	50/60
MEK-60/440R	MKR-600R440CB	Single	60	3%	440	50/60
MEK-70/440R	MKR-700R440CB	Single	70	3%	440	50/60
MEK-80/440R	MKR-800R440CB	Single	80	3%	440	50/60

Ordering Information

Oval Case - Dual Construction

Oval Case - Dual Construction - 370/ 440V

Wholesale P/N	MKT P/N	Construction Type	Capacitance (μF)	Capacitance Tolerance	Voltage 370/440 (VAC)	Frequency (Hz)
MEK-5/5/440	MKR-050D050V440CB	Dual	5+5	3%	440	50/60
MEK-7.5/7.5/440	MKR-075D075V440CB	Dual	7.5+7.5	3%	440	50/60
MEK-10/10/440	MKR-100D100V440CB	Dual	10+10	3%	440	50/60
MEK-15/5/440	MKR-150D050V440CB	Dual	15+5	3%	440	50/60
MEK-15/10/440	MKR-150D100V440CB	Dual	15+10	3%	440	50/60
MEK-20/5/440	MKR-200D050V440CB	Dual	20+5	3%	440	50/60
MEK-20/10/440	MKR-200D100V440CB	Dual	20+10	3%	440	50/60
MEK-25/3/440	MKR-250D030V440CB	Dual	25+3	3%	440	50/60
MEK-25/5/440	MKR-250D050V440CB	Dual	25+5	3%	440	50/60
MEK-25/7.5/440	MKR-250D075V440CB	Dual	25+7.5	3%	440	50/60
MEK-25/15/440	MKR-250D150V440CB	Dual	25+15	3%	440	50/60
MEK-30/5/440	MKR-300D050V440CB	Dual	30+5	3%	440	50/60
MEK-30/7.5/440	MKR-300D075V440CB	Dual	30+7.5	3%	440	50/60
MEK-35/3/440	MKR-350D030V440CB	Dual	35+3	3%	440	50/60
MEK-35/5/440	MKR-350D050V440CB	Dual	35+5	3%	440	50/60
MEK-35/5/440	MKR-350D040V440CB	Dual	35+4	3%	440	50/60
MEK-35/7.5/440	MKR-350D075V440CB	Dual	35+7.5	3%	440	50/60
MEK-35/10/440	MKR-350D100V440CB	Dual	35+10	3%	440	50/60
MEK-40/5/440	MKR-400D050V440CB	Dual	40+5	3%	440	50/60
MEK-40/7.5/440	MKR-400D075V440CB	Dual	40+7.5	3%	440	50/60
MEK-40/10/440	MKR-400D100V440CB	Dual	40+10	3%	440	50/60
MEK-45/5/440	MKR-450D050V440CB	Dual	45+5	3%	440	50/60
MEK-45/7.5/440	MKR-450D075V440CB	Dual	45+7.5	3%	440	50/60
MEK-45/10/440	MKR-450D100V440CB	Dual	45+10	3%	440	50/60
MEK-50/5/440	MKR-500D050V440CB	Dual	50+5	3%	440	50/60
MEK-50/7.5/440	MKR-500D075V440CB	Dual	50+7.5	3%	440	50/60
MEK-55/5/440	MKR-550D050V440CB	Dual	55+5	3%	440	50/60
MEK-55/7.5/440	MKR-550D075V440CB	Dual	55+7.5	3%	440	50/60
MEK-60/5/440	MKR-600D050V440CB	Dual	60+5	3%	440	50/60
MEK-60/7.5/440	MKR-600D075V440CB	Dual	60+7.5	3%	440	50/60
MEK-60/10/440	MKR-600D100V440CB	Dual	60+10	3%	440	50/60
MEK-70/5/440	MKR-700D050V440CB	Dual	70+5	3%	440	50/60
MEK-70/7.5/440	MKR-700D075V440CB	Dual	70+7.5	3%	440	50/60
MEK-70/10/440	MKR-700D100V440CB	Dual	70+10	3%	440	50/60
MEK-80/5/440	MKR-800D050V440CB	Dual	80+5	3%	440	50/60
MEK-80/7.5/440	MKR-800D075V440CB	Dual	80+7.5	3%	440	50/60
MEK-80/10/440	MKR-800D100V440CB	Dual	80+10	3%	440	50/60

Ordering Information

Round Case - Dual Construction

Round Case - Dual Construction - 370/440V						
Wholesale P/N	MKT P/N	Construction Type	Capacitance (μF)	Capacitance Tolerance	Voltage 370/440 (VAC)	Frequency (Hz)
MEK-10/10/440R	MKR-100D100R440CB	Dual	10+10	3%	440	50/60
MEK-15/3/440R	MKR-150D030R440CB	Dual	15+3	3%	440	50/60
MEK-15/5/440R	MKR-150D050R440CB	Dual	15+5	3%	440	50/60
MEK-15/7.5/440R	MKR-150D075R440CB	Dual	15+7.5	3%	440	50/60
MEK-15/10/440R	MKR-150D100R440CB	Dual	15+10	3%	440	50/60
MEK-20/5/440R	MKR-200D050R440CB	Dual	20+5	3%	440	50/60
MEK-20/7.5/440R	MKR-200D075R440CB	Dual	20+7.5	3%	440	50/60
MEK-20/10/440R	MKR-200D100R440CB	Dual	20+10	3%	440	50/60
MEK-25/5/440R	MKR-250D050R440CB	Dual	25+5	3%	440	50/60
MEK-25/7.5/440R	MKR-250D075R440CB	Dual	25+7.5	3%	440	50/60
MEK-25/10/440R	MKR-250D100R440CB	Dual	25+10	3%	440	50/60
MEK-30/3/440R	MKR-300D030R440CB	Dual	30+3	3%	440	50/60
MEK-30/5/440R	MKR-300D050R440CB	Dual	30+5	3%	440	50/60
MEK-30/7.5/440R	MKR-300D075R440CB	Dual	30+7.5	3%	440	50/60
MEK-30/10/440R	MKR-300D100R440CB	Dual	30+10	3%	440	50/60
MEK-30/15/440R	MKR-300D150R440CB	Dual	30+15	3%	440	50/60
MEK-35/1/440R	MKR-350D010R440CB	Dual	35+1	3%	440	50/60
MEK-35/3/440R	MKR-350D030R440CB	Dual	35+3	3%	440	50/60
MEK-35/5/440R	MKR-350D050R440CB	Dual	35+5	3%	440	50/60
MEK-35/7.5/440R	MKR-350D075R440CB	Dual	35+7.5	3%	440	50/60
MEK-35/10/440R	MKR-350D100R440CB	Dual	35+10	3%	440	50/60
MEK-35/15/440R	MKR-350D150R440CB	Dual	35+15	3%	440	50/60
MEK-40/1/440R	MKR-400D010R440CB	Dual	40+1	3%	440	50/60
MEK-40/3/440R	MKR-400D030R440CB	Dual	40+3	3%	440	50/60
MEK-40/4/440R	MKR-400D040R440CB	Dual	40+4	3%	440	50/60
MEK-40/5/440R	MKR-400D050R440CB	Dual	40+5	3%	440	50/60
MEK-40/7.5/440R	MKR-400D075R440CB	Dual	40+7.5	3%	440	50/60
MEK-40/10/440R	MKR-400D100R440CB	Dual	40+10	3%	440	50/60
MEK-45/3/440R	MKR-450D030R440CB	Dual	45+3	3%	440	50/60
MEK-45/5/440R	MKR-450D050R440CB	Dual	45+5	3%	440	50/60
MEK-45/7.5/440R	MKR-450D075R440CB	Dual	45+7.5	3%	440	50/60
MEK-45/10/440R	MKR-450D100R440CB	Dual	45+10	3%	440	50/60
MEK-50/3/440R	MKR-500D030R440CB	Dual	50+3	3%	440	50/60
MEK-50/5/440R	MKR-500D050R440CB	Dual	50+5	3%	440	50/60
MEK-50/7.5/440R	MKR-500D075R440CB	Dual	50+7.5	3%	440	50/60
MEK-50/10/440R	MKR-500D100R440CB	Dual	50+10	3%	440	50/60
MEK-55/4/440R	MKR-550D040R440CB	Dual	55+4	3%	440	50/60

Ordering Information (Continued)

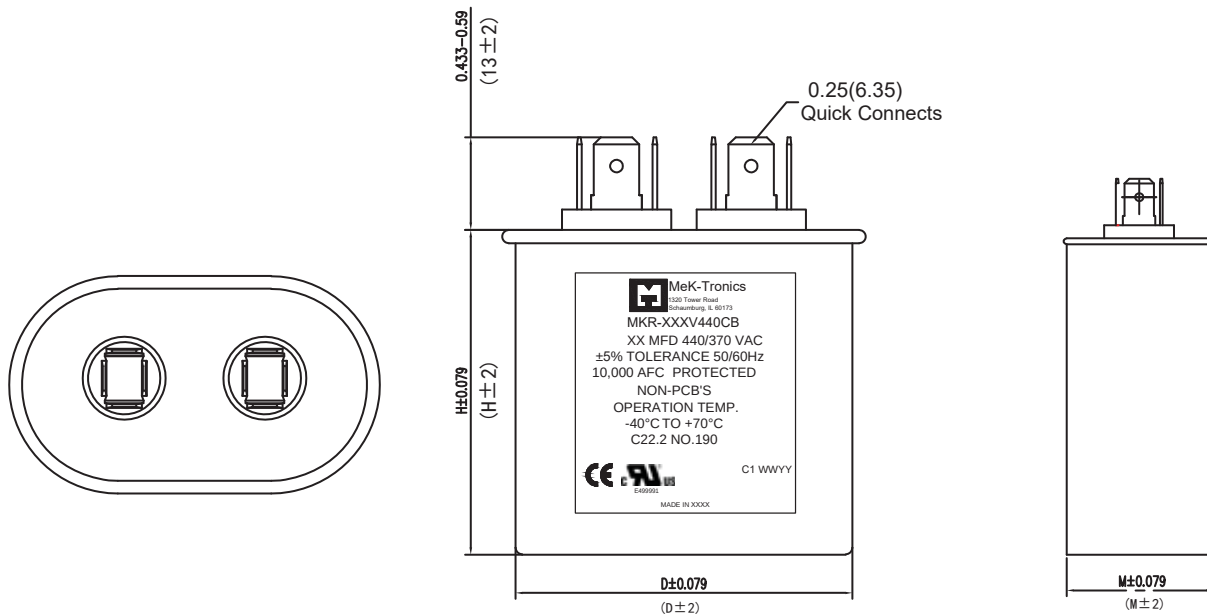
Round Case - Dual Construction

Oval Case - Dual Construction - 370/440V

Wholesale P/N	MKT P/N	Construction Type	Capacitance (μF)	Capacitance Tolerance	Voltage 370/440 (VAC)	Frequency (Hz)
MEK-55/5/440R	MKR-550D050R440CB	Dual	55+5	3%	440	50/60
MEK-55/7.5/440R	MKR-550D075R440CB	Dual	55+7.5	3%	440	50/60
MEK-55/10/440R	MKR-550D100R440CB	Dual	55+10	3%	440	50/60
MEK-55/15/440R	MKR-550D150R440CB	Dual	55+15	3%	440	50/60
MEK-60/5/440R	MKR-600D050R440CB	Dual	60+5	3%	440	50/60
MEK-60/7.5/440R	MKR-600D075R440CB	Dual	60+7.5	3%	440	50/60
MEK-60/10/440R	MKR-600D100R440CB	Dual	60+10	3%	440	50/60
MEK-65/7.5/440R	MKR-650D075R440CB	Dual	65+7.5	3%	440	50/60
MEK-70/5/440R	MKR-700D050R440CB	Dual	70+5	3%	440	50/60
MEK-70/7.5/440R	MKR-700D075R440CB	Dual	70+7.5	3%	440	50/60
MEK-70/10/440R	MKR-700D100R440CB	Dual	70+10	3%	440	50/60
MEK-75/5/440R	MKR-750D050R440CB	Dual	75+5	3%	440	50/60
MEK-80/5/440R	MKR-800D050R440CB	Dual	80+5	3%	440	50/60
MEK-80/7.5/440R	MKR-800D075R440CB	Dual	80+7.5	3%	440	50/60
MEK-80/10/440R	MKR-800D100R440CB	Dual	80+10	3%	440	50/60

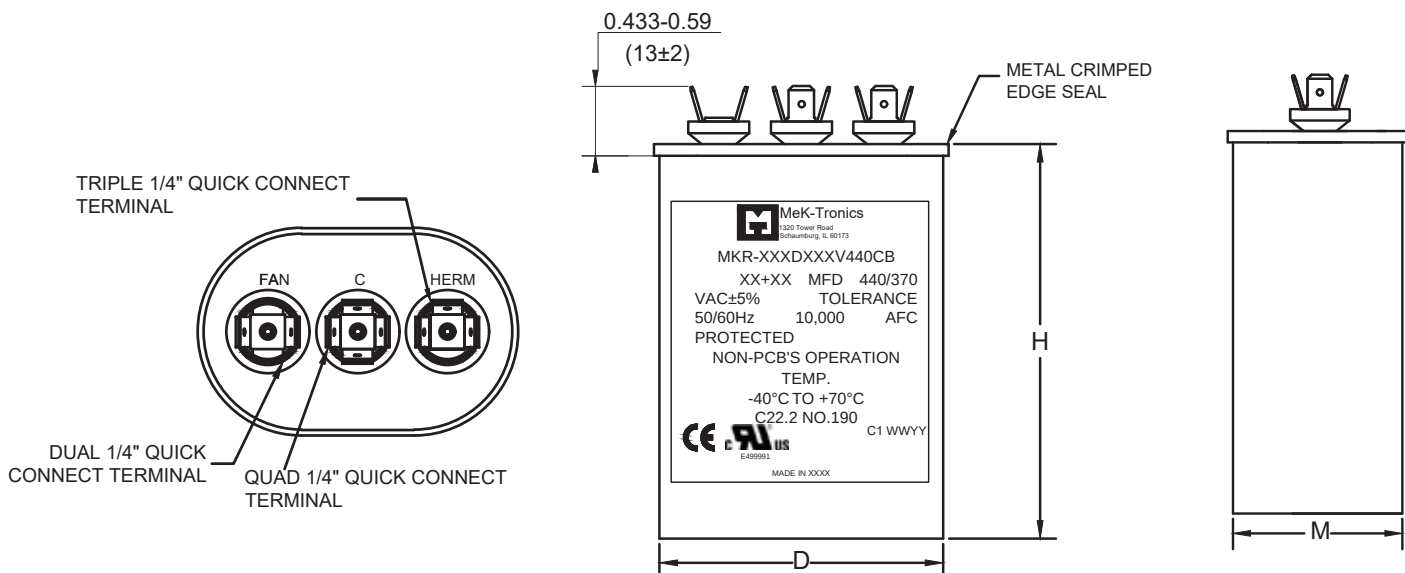
Dimensions (Millimeters)

Oval – Single Construction



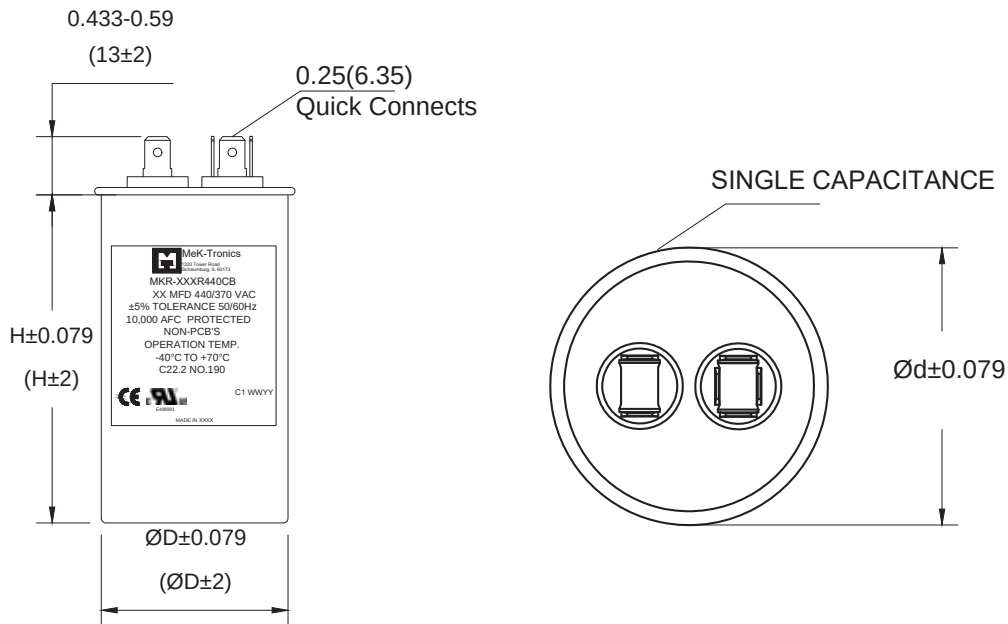
Dimensions (Millimeters)

Oval – Dual Construction



Dimensions (Millimeters)

Round – Single Construction



Dimensions (Millimeters)

Round – Dual Construction

