

Motor Run Capacitors – GEM III

370 & 440 VAC

This capacitor series is **designed specifically for the motor run applications** where the capacitors are used in conjunction with permanent split capacitor type motors. They may be **used on either 50 or 60-Hertz systems** but should not be used at higher frequencies or in applications where higher frequency harmonics are present. For those types of applications the General Purpose AC Capacitors (Catalog #GEC 003) shown on the following pages should be used. If there are **any questions** regarding the correct application of these products, please **contact your RBC sales representative**.

SPECIFICATIONS:

Available Capacitance Range:	2 to 120 μ F
Capacitance Tolerance:	$\pm$ 6%
Capacitance Variation with Temperature:	See Chart M-3 on page 14.
Rated Voltage:	See Rating Tables. Rating is the 50/60Hz RMS voltage for a sinusoidal waveform.
Leakage Current:	30 μ A maximum
Frequency:	50/60 Hz. For higher frequencies use General Purpose AC Capacitor Series.
Operating Temperature:	-40°C to +70°C
Storage Temperature:	-40°C to +90°C
Operating Life:	60,000 hours with 94% survival (In accordance with the EIA-456 Industry Standard)
Dissipation Factor:	0.1% maximum
Case Material/Finish:	Unpainted Aluminum case, terne plate steel cover. Contact Regal-Beloit if material/finish to meet UL outdoor standards is required.
Terminations:	'Combo' terminal: 0.250" x 0.031" quick connect blades
Dielectric Fluid:	Proprietary Genteq dielectric oil
Internal Protection:	UL recognized Pressure Sensitive Interrupter. See Ratings Table for Regal-Beloit's UL Code Number listed under Regal-Beloit's UL File E322597. For UL submittals with these capacitors, use the RBC 'Pxxx' number not the Catalog Number. The corresponding generic UL designation that includes the Available Faults Current (AFC) rating is given below. All these capacitors are capable of interrupting available fault currents of up to 10,000 amperes.

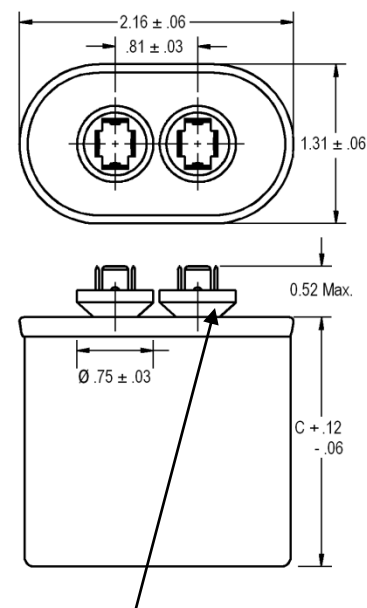
Case Style	RBC Code	Generic UL Code
A	P921	A10000AFC
C	P923	C10000AFC
D	P924	D10000AFC
P	P965	P10000AFC
S	P968	S10000AFC
T	P969	T10000AFC

Motor Run Capacitors – GEM III

Single Ratings – 1 Section

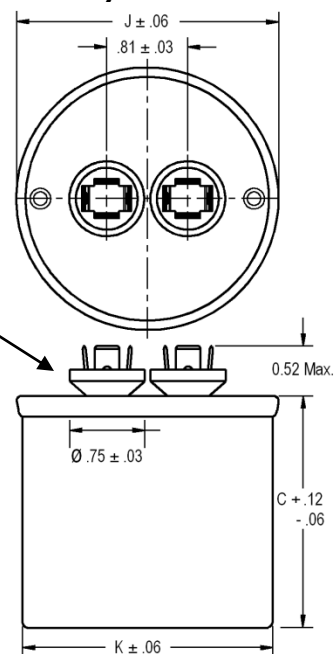
Voltage (VAC)	Capacitance (μF)	Catalog Number	Case Style	Base Size (in.)	Can Type	Height C (in.)	UL Code
370	3.0	27L987	A	1.25	Oval	1.56	P921
	4.0	27L571	A	1.25	Oval	1.56	P921
	5.0	27L570	A	1.25	Oval	1.56	P921
	6.0	97F5706	A	1.25	Oval	2.12	P921
	7.5	27L566	A	1.25	Oval	2.12	P921
	10.0	97F9002	A	1.25	Oval	2.88	P921
	12.5	27L572	A	1.25	Oval	2.88	P921
	15.0	27L567	A	1.25	Oval	2.88	P921
	20.0	97F9602	P	1.75	Round	2.88	P965
	25.0	97F9606	P	1.75	Round	2.88	P965
	30.0	97F9608	P	1.75	Round	3.88	P965
	35.0	97F9611	P	1.75	Round	3.88	P965
	40.0	97F9614	P	1.75	Round	3.88	P965
	45.0	97F9884	P	1.75	Round	4.75	P965
	50.0	97F9802	P	1.75	Round	4.75	P965
	55.0	97F9010	S	2.00	Round	4.75	P968
	60.0	97F5276	T	2.50	Round	3.88	P969
	65.0	97F9011	T	2.50	Round	3.88	P969
	70.0	97F9012	T	2.50	Round	4.75	P969
	75.0	27L361	T	2.50	Round	4.75	P969
	80.0	27L497	T	2.50	Round	4.75	P969

Case Style A



(4) .250 x .031
Blades per terminal

Case Style P, S, and T



(4) .250 x .031 Blades
per terminal except (3)
on case style P

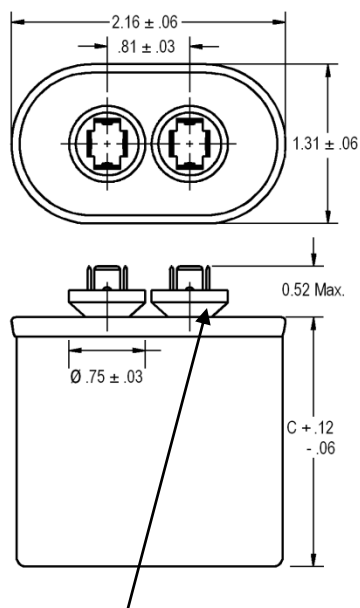
Case Style	K	J
P	1.75	1.88
S	2.00	2.12
T	2.50	2.62

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Motor Run Capacitors – GEM III

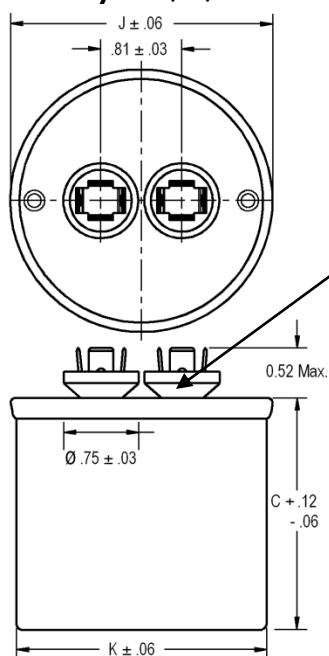
Single Ratings – 1 Section

Case Style A



(4) .250 x .031
Blades per terminal

Case Style P, S, and T



(4) .250 x .031 Blades
per terminal except (3)
on case style P

Voltage (VAC)	Capacitance (μF)	Catalog Number	Case Style	Base Size (in.)	Can Type	Height C (in.)	UL Code
440	3.0	27L1022	A	1.25	Oval	1.56	P921
	4.0	27L1023	A	1.25	Oval	1.56	P921
	5.0	27L1024	A	1.25	Oval	2.12	P921
	6.0	27L1025	A	1.25	Oval	2.12	P921
	7.5	27L695	A	1.25	Oval	2.88	P921
	10.0	27L1027	A	1.25	Oval	2.88	P921
	12.5	97F9080	A	1.25	Oval	4.75	P921
	15.0	97F9625	A	1.25	Oval	4.75	P921
	20.0	97F9630	P	1.75	Round	3.88	P965
	25.0	97F9632	P	1.75	Round	3.88	P965
	30.0	97F9635	P	1.75	Round	3.88	P965
	35.0	97F9639	S	2.00	Round	3.88	P968
	40.0	97F9642	S	2.00	Round	3.88	P968
	45.0	97F9645	S	2.00	Round	4.75	P968
	50.0	97F5211	T	2.50	Round	3.88	P969
	55.0	97F9042	T	2.50	Round	4.75	P969
	60.0	97F9043	T	2.50	Round	4.75	P969
	65.0	97F5241	T	2.50	Round	4.75	P969
	70.0	97F5251	T	2.50	Round	4.75	P969
	75.0	27L349	T	2.50	Round	5.25	P969
	80.0	27L322	T	2.50	Round	5.25	P969

Case Style	K	J
P	1.75	1.88
S	2.00	2.12
T	2.50	2.62

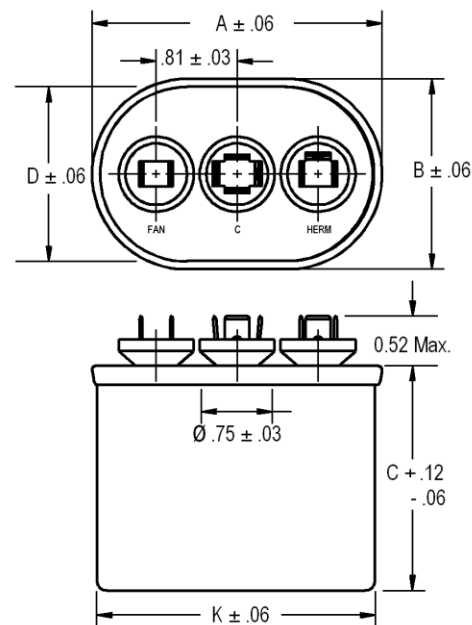
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Motor Run Capacitors – GEM III

Dual Ratings – 2 Sections

Voltage (VAC)	Capacitance		Catalog Number	Case Style	Base Size (in.)	Can Type	Height C (in.)	UL Code
	Herm (μF)	Fan (μF)						
370	10.0	10.0	27L956	C	1.75	Oval	2.12	P923
	15.0	5.0	97F9437	C	1.75	Oval	2.88	P923
	15.0	7.5	97F9526	C	1.75	Oval	2.88	P923
	15.0	10.0	97F9015	C	1.75	Oval	2.88	P923
	20.0	5.0	97F9673	C	1.75	Oval	2.88	P923
	20.0	7.5	97F9991	C	1.75	Oval	2.88	P923
	20.0	10.0	97F9018	C	1.75	Oval	3.88	P923
	25.0	5.0	97F9675	C	1.75	Oval	2.88	P923
	25.0	7.5	97F9677	C	1.75	Oval	2.88	P923
	25.0	10.0	97F9678	C	1.75	Oval	2.88	P923
	30.0	5.0	97F9681	C	1.75	Oval	3.88	P923
	30.0	7.5	97F9683	C	1.75	Oval	3.88	P923
	30.0	10.0	27L533	C	1.75	Oval	3.88	P923
	35.0	5.0	97F9796	C	1.75	Oval	3.88	P923
	35.0	7.5	97F9864	C	1.75	Oval	3.88	P923
	35.0	10.0	97F9888	C	1.75	Oval	3.88	P923
	40.0	5.0	97F9840	C	1.75	Oval	3.88	P923
	40.0	7.5	97F9845	C	1.75	Oval	3.88	P923
	40.0	10.0	97F9462	C	1.75	Oval	3.88	P923
	45.0	5.0	97F9859	C	1.75	Oval	3.88	P923
	45.0	7.5	97F9841	C	1.75	Oval	3.88	P923
	45.0	10.0	97F9758	C	1.75	Oval	3.88	P923
	50.0	5.0	97F9885	C	1.75	Oval	4.75	P923
	50.0	7.5	97F9858	C	1.75	Oval	4.75	P923
	50.0	10.0	97F9030	D	2.00	Oval	4.75	P924

Case Style C and D



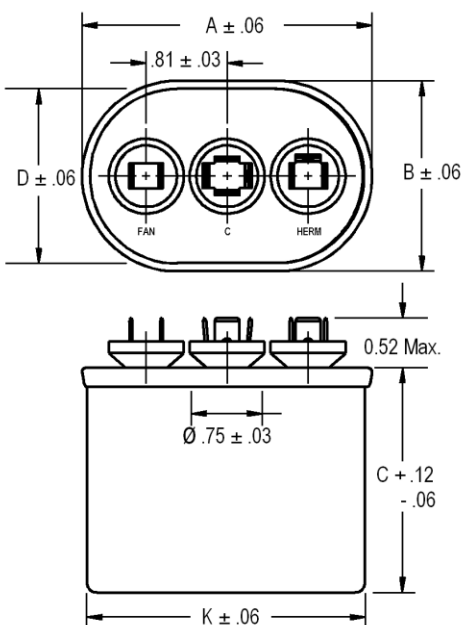
Case Style	A	B	D	K
C	2.91	1.91	1.81	2.81
D	3.66	1.97	1.88	3.56

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Motor Run Capacitors – GEM III

Dual Ratings – 2 Sections

Case Style C and D



440

Voltage (VAC)	Capacitance		Catalog Number	Case Style	Base Size (in.)	Can Type	Height C (in.)	UL Code
	Herm (µF)	Fan (µF)						
440	15.0	5.0	97F9694	C	1.75	Oval	2.88	P923
	15.0	7.5	97F9992	C	1.75	Oval	2.88	P923
	15.0	10.0	97F9046	C	1.75	Oval	3.88	P923
	20.0	5.0	97F9695	C	1.75	Oval	2.88	P923
	20.0	7.5	97F9696	C	1.75	Oval	3.88	P923
	20.0	10.0	97F9048	C	1.75	Oval	3.88	P923
	25.0	5.0	97F9730	C	1.75	Oval	3.88	P923
	25.0	7.5	97F9993	C	1.75	Oval	3.88	P923
	25.0	10.0	97F9051	C	1.75	Oval	4.75	P923
	30.0	5.0	97F9994	C	1.75	Oval	3.88	P923
	30.0	7.5	97F9995	C	1.75	Oval	3.88	P923
	30.0	10.0	97F9054	C	1.75	Oval	4.75	P923
	35.0	5.0	97F9842	C	1.75	Oval	4.75	P923
	35.0	7.5	97F9892	C	1.75	Oval	4.75	P923
	35.0	10.0	97F9738	D	2.00	Oval	3.88	P924
	40.0	5.0	97F9843	C	1.75	Oval	4.75	P923
	40.0	7.5	97F9996	C	1.75	Oval	4.75	P923
	40.0	10.0	97F9780	D	2.00	Oval	4.75	P924
	45.0	5.0	97F9844	C	1.75	Oval	4.75	P923
	45.0	7.5	97F9760	D	2.00	Oval	4.75	P924
	45.0	10.0	97F9477	C	1.75	Oval	4.75	P923
	50.0	5.0	97F5729	D	2.00	Oval	5.25	P924
	50.0	7.5	97F5781	D	2.00	Oval	5.25	P924
	50.0	10.0	97F9593	D	2.00	Oval	5.25	P924

Case Style	A	B	D	K
C	2.91	1.91	1.81	2.81
D	3.66	1.97	1.88	3.56

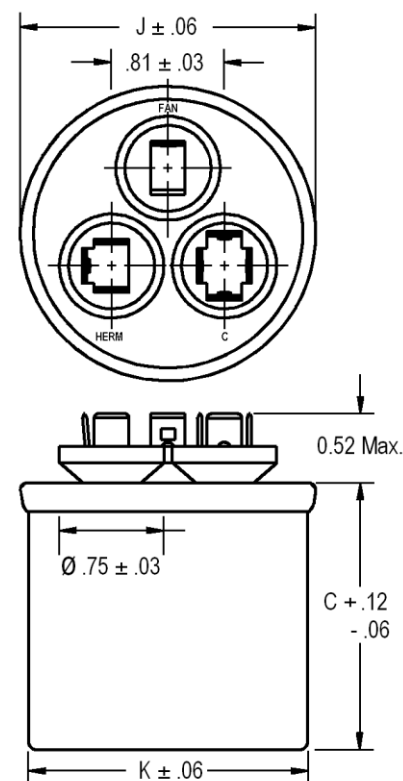
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Motor Run Capacitors – GEM III

Dual Ratings – 2 Concentric Sections

Voltage (VAC)	Capacitance		Catalog Number	Case Style	Base Size (in.)	Can Type	Height C (in.)	UL Code
	Herm (µF)	Fan (µF)						
370	15.0	5.0	97F9810	S	2.00	Round	2.88	P968
	15.0	7.5	97F9811	S	2.00	Round	2.88	P968
	15.0	10.0	97F9965	S	2.00	Round	2.88	P968
	20.0	5.0	97F9814	S	2.00	Round	2.88	P968
	20.0	7.5	97F9966	S	2.00	Round	2.88	P968
	20.0	10.0	97F9967	S	2.00	Round	2.88	P968
	25.0	5.0	97F9803	S	2.00	Round	2.88	P968
	25.0	7.5	97F9826	S	2.00	Round	2.88	P968
	25.0	10.0	97F9827	S	2.00	Round	3.88	P968
	30.0	5.0	27L877	S	2.00	Round	2.88	P968
	30.0	7.5	97F9868	S	2.00	Round	3.88	P968
	30.0	10.0	97F9828	S	2.00	Round	3.88	P968
	35.0	5.0	97F9834	S	2.00	Round	3.88	P968
	35.0	7.5	97F9829	S	2.00	Round	3.88	P968
	35.0	10.0	97F9830	S	2.00	Round	3.88	P968
	40.0	5.0	97F9849	S	2.00	Round	3.88	P968
	40.0	7.5	97F9855	S	2.00	Round	3.88	P968
	40.0	10.0	97F9831	S	2.00	Round	3.88	P968
	45.0	5.0	27L880	S	2.00	Round	3.88	P968
	45.0	7.5	27L947	S	2.00	Round	3.88	P968
	45.0	10.0	97F9832	S	2.00	Round	4.75	P968
	50.0	5.0	97F9970	S	2.00	Round	4.75	P968
	50.0	7.5	97F9971	S	2.00	Round	4.75	P968
	50.0	10.0	97F9972	S	2.00	Round	4.75	P968
	55.0	5.0	97F9815	T	2.50	Round	3.88	P969
	55.0	7.5	97F9973	T	2.50	Round	3.88	P969
	55.0	10.0	97F9974	T	2.50	Round	3.88	P969
	60.0	5.0	27L954	T	2.50	Round	3.88	P969
	60.0	7.5	97F9817	T	2.50	Round	4.75	P969
	60.0	10.0	27L389	T	2.50	Round	4.75	P969
	70.0	5.0	27L633	T	2.50	Round	4.75	P969
	70.0	7.5	27L556	T	2.50	Round	4.75	P969
	70.0	10.0	27L414	T	2.50	Round	4.75	P969
	80.0	5.0	27L651	T	2.50	Round	4.75	P969
	80.0	7.5	27L522	T	2.50	Round	4.75	P969
	80.0	10.0	25L261	T	2.50	Round	4.75	P969

Case Style S and T



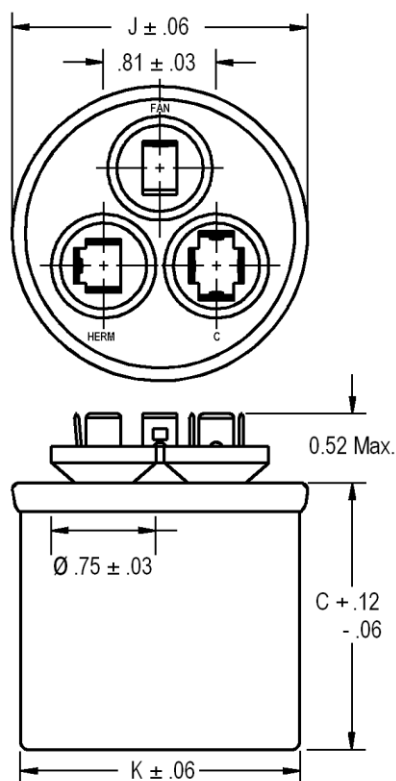
Case Style	K	J
S	2.00	2.12
T	2.50	2.62

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Motor Run Capacitors – GEM III

Dual Ratings – 2 Concentric Sections

Case Style S and T



Case Style	K	J
S	2.00	2.12
T	2.50	2.62

Voltage (VAC)	Capacitance		Catalog Number	Case Style	Base Size (in.)	Can Type	Height C (in.)	UL Code
	Herm (µF)	Fan (µF)						
440	15.0	5.0	97F9997	S	2.00	Round	2.88	P968
	15.0	7.5	97F9998	S	2.00	Round	3.88	P968
	20.0	5.0	97F9975	S	2.00	Round	2.88	P968
	20.0	7.5	97F9976	S	2.00	Round	3.88	P968
	20.0	10.0	97F9451	T	2.50	Round	3.88	P969
	25.0	5.0	97F9978	S	2.00	Round	3.88	P968
	25.0	7.5	97F9979	S	2.00	Round	3.88	P968
	25.0	10.0	27L558	S	2.00	Round	3.88	P968
	30.0	5.0	97F9981	S	2.00	Round	3.88	P968
	30.0	7.5	97F9982	S	2.00	Round	3.88	P968
	30.0	10.0	97F9983	S	2.00	Round	3.88	P968
	35.0	5.0	97F9848	S	2.00	Round	4.75	P968
	35.0	7.5	97F9881	S	2.00	Round	4.75	P968
	35.0	10.0	27L204	T	2.50	Round	3.88	P969
	40.0	5.0	97F9838	S	2.00	Round	4.75	P968
	40.0	7.5	97F9882	S	2.00	Round	4.75	P968
	40.0	10.0	97F9985	S	2.00	Round	4.75	P968
	45.0	5.0	27L889	S	2.00	Round	4.75	P968
	45.0	7.5	97F9883	T	2.50	Round	3.88	P969
	45.0	10.0	27L378	T	2.50	Round	3.88	P969
	50.0	5.0	27L569	T	2.50	Round	4.25	P969
	50.0	7.5	97F9987	T	2.50	Round	4.75	P969
	50.0	10.0	27L647	T	2.50	Round	4.75	P969
	55.0	5.0	97F9839	T	2.50	Round	4.75	P969
	55.0	7.5	97F9874	T	2.50	Round	4.75	P969
	55.0	10.0	97F9989	T	2.50	Round	4.75	P969
	60.0	5.0	97F9897	T	2.50	Round	4.75	P969
	60.0	7.5	97F9898	T	2.50	Round	4.75	P969
	60.0	10.0	25L756	T	2.50	Round	4.75	P969
	70.0	10.0	27L866	T	2.50	Round	4.75	P969
	80.0	7.5	27L801	T	2.50	Round	4.75	P969

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