



2.5mfd (3mfd)

5mfd (6mfd)

universalmini

motor-mate™

PERMANENT MOTOR RUN CAPACITOR

Optimum mounting position

Posicion óptima de montaje

upright vertical



Part number mmminicap20

Designed in the UK. Manufactured in P.R. China

TECHNICAL DATA



MINI MOTOR-MATE™ UNIVERSAL MOTOR RUN CAPACITOR KIT

- Universal permanent motor run capacitor manufactured to OEM performance and reliability requirements.
- Every capacitor fully inspected including overrun testing at 700VAC voltage 60HZ for 1 minute, guaranteeing that it can be used in any potential condition.
- Advanced epoxy resin insulating material (UL file number E204979), minimum flammability class V-0.
- Tested and certified by Underwriters Laboratories to UL810 CZDS2.
- Internal modular construction ensures cooler running and more efficient heat dissipation.
- Single post failure does not render unit unusable, unlike single wound, multi-tapped capacitors.

Ratings	Kit Includes	MFR/SH Item#
12.5 MFD combined total capacitance 2.5/5.0/5.0 MFD, 370VAC or 440VAC, 50-60Hz	Capacitor, jumper wires, sticker, pen and instructions	MMMINICAP20

DIRECT BRAND LIMITED, 11B DEPOT STREET, SOUTH GRAFTON MA 01560, T 508-839-0013, F 508-519-0397
<http://www.direct-brand.com/>

motor-mate jumpering instructions

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Jumpering Instructions

- 1 Check the capacitance required from the capacitor(s) being replaced or from the technical manual.
- 2 Refer to chart for correct configuration.
- 3 Use jumper wires to make up correct value(s).
- 4 Use the pen to record the values you have used in the boxes provided on the capacitor.
- 5 Secure the universal capacitor to the motor using original mountings or zip ties.
- 6 Connect lead from the motor(s) to the capacitor(s). The common (black) terminal ONLY can be used for both motors.

Instrucciones

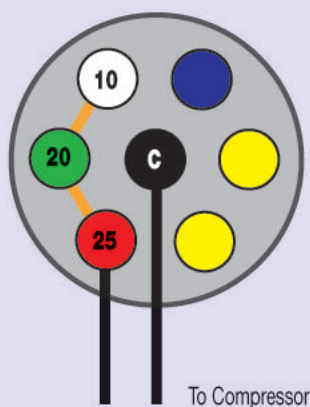
- 1 Compruebe la capacidad de los condensador(es).
- 2 Compruebe la configuración correcta en el esquema.
- 3 Utilice los cables de conexión para obtener el/los valor(es) correcto(s).
- 4 Utilice el bolígrafo para registrar los valores que ha utilizado en las casillas correspondientes que aparecen en el condensador.
- 5 Fije el condensador universal al motor por medio de los elementos de montaje originales o fijaciones de cremallera.
- 6 Conecte el cable de el/los motor(es) al de el/los condensador(es). El terminal común (negro) SOLO puede ser utilizado para ambos motores.

Single Value Capacitor

The table (below) illustrates the jumper combinations required for the mfd value of the capacitor (total column) being replaced.

- Common black terminal
- Terminal value
- Jumper connection
- To compressor

Illustration (left) 55mfd



	Compressor							Total
	C	2.5	5	5	10	20	25	mfd
	●	●						2.5
	●		●					5
	●	●	●					7.5
	●				○			10
	●	●				○		12.5
	●		●				○	15
	●	●	●				○	17.5
	●					●		20
	●	●				●		22.5
	●		●				●	25
	●	●	●			●		27.5
	●				○	●		30
	●	●				●		32.5
	●		●				●	35
	●	●	●			○	●	37.5
	●		●				●	40
	●	●	●				●	42.5
	●					●	●	45
	●	●				●	●	47.5
	●		●				●	50
	●	●	●			●	●	52.5
	●				○	●	●	55
	●	●				●	●	57.5
	●		●				●	60
	●	●	●			○	●	62.5
	●		●	●			●	65
	●	●	●	●			●	67.5

motor-mate jumpering instructions

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Fan	Total	Compressor	Total	Fan	Total	Compressor	Total
C	2.5 mfd	C	2.5 5 5 10 20 25 mfd	C	5 mfd	C	2.5 5 5 10 20 25 mfd
●	● 2.5	●	● 5	●	● 5	●	● 2.5
●	● 2.5	●	○ 10	●	● 5	●	● 5
●	● 2.5	●	● 15	●	● 5	●	● 7.5
●	● 2.5	●	● 20	●	● 5	●	● 10
●	● 2.5	●	● 25	●	● 5	●	● 12.5
●	● 2.5	●	● 30	●	● 5	●	● 15
●	● 2.5	●	○ 35	●	● 5	●	● 17.5
●	● 2.5	●	● 40	●	● 5	●	● 20
●	● 2.5	●	● 45	●	● 5	●	● 22.5
●	● 2.5	●	● 50	●	● 5	●	● 25
●	● 2.5	●	● 55	●	● 5	●	● 27.5
●	● 2.5	●	● 60	●	● 5	●	● 30
●	● 2.5	●	● 65	●	● 5	●	● 32.5

Dual Value Capacitor

The tables illustrate the jumper combinations required for the mfd value of the capacitor (total column) being replaced.

- Common black terminal
- Terminal value
- Jumper connection
- To compressor or fan

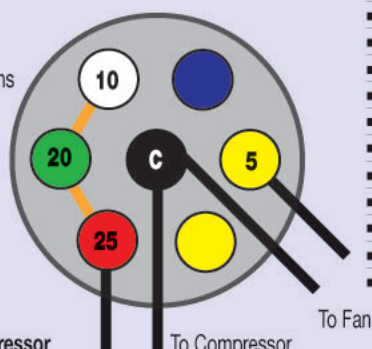
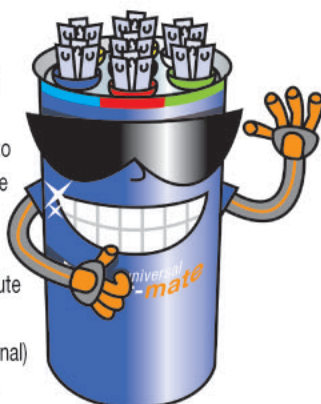


Illustration table 2 5mfd Fan 55mfd Compressor

Fan	Total	Compressor	Total	Fan	Total	Compressor	Total
C	2.5 5 mfd	C	2.5 5 5 10 20 25 mfd	C	10 mfd	C	2.5 5 5 10 20 25 mfd
●	● 7.5	●	○ 10	●	○ 10	●	● 10
●	● 7.5	●	● 15	●	○ 10	●	● 12.5
●	● 7.5	●	● 20	●	○ 10	●	● 20
●	● 7.5	●	● 25	●	○ 10	●	● 22.5
●	● 7.5	●	● 30	●	○ 10	●	● 25
●	● 7.5	●	○ 35	●	○ 10	●	● 27.5
●	● 7.5	●	● 40	●	○ 10	●	● 30
●	● 7.5	●	● 45	●	○ 10	●	● 32.5
●	● 7.5	●	● 50	●	○ 10	●	● 35
●	● 7.5	●	● 55	●	○ 10	●	● 37.5
●	● 7.5	●	● 60	●	○ 10	●	● 45
				●	○ 10	●	● 47.5
				●	○ 10	●	● 50
				●	○ 10	●	● 52.5
				●	○ 10	●	● 55
				●	○ 10	●	● 57.5

Other Capacitor Values

- The 2.5mfd (blue terminal) can be used as a substitute for 3mfd.
- The 5mfd (yellow terminal) which is closest to the blue terminal can be used as a substitute for 4mfd.
- The 5mfd (yellow terminal) which is closest to the red terminal can be used as a substitute for 6mfd.
- 20mfd (green terminal) and 25mfd (red terminal) can also be used as a substitute for 40mfd.



Warranty

Warranty is in addition to your statutory consumer rights (under applicable law) and does not affect them in any way.

Warranty registration can be found at: www.motor-rundirect.com/warranty.htm

Returns

Return motor-mate to the wholesaler who will replace the capacitor like for like.