

Accessories - Capacitors

HOW TO USE CAPACITORS FOR MULTI-SPEED BLOWERS

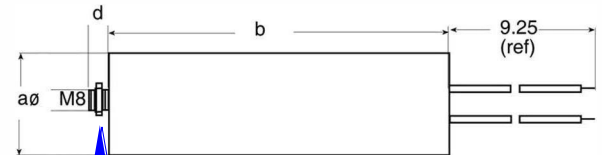
It is possible to make any ebm blower with a PSC motor a multi-speed blower by adding a second or third capacitor on the load line (blue) at or near the value of the motor run capacitor. Actual capacitor value and RPM achieved are dependent on the nature of each application.

CAPACITORS

Part Number	Size (μF)	Temp. Range (°C)	Housing Type	Max. Dim in. (mm)			Nut & washer
				a	b	d	
2111-4-7320	1	-25 to +85	Plastic	1 (25)	1.9 (49)	0.5 (12)	
99282-4-7320	1.5	-25 to +85	Aluminum	1 (25)	2 (50)	0.5 (12)	b
99283-4-7320	2	-25 to +85	Plastic	1 (25)	1.9 (49)	0.5 (12)	a
2103-4-7320	2.5	-25 to +85	Plastic	1 (25)	1.9 (48)	0.5 (12)	b
68462-4-7320	3	-25 to +85	Plastic	1 (25)	1.9 (48)	0.5 (12)	b
99284-4-7320	4	-25 to +85	Plastic	1.2 (30)	1.9 (48)	0.5 (12)	a
2101-4-7320	5	-25 to +85	Plastic	1.2 (30)	2.3 (58)	0.5 (12)	a
99285-4-7320	6	-25 to +85	Aluminum	1.4 (35)	2.2 (55)	0.5 (12)	a
99286-4-7320	8	-25 to +85	Plastic	1.4 (35)	2.3 (58)	0.5 (12)	a
99287-4-7320	10	-25 to +85	Plastic	1.4 (35)	2.7 (68)	0.5 (12)	a

(For larger sizes consult factory)

- Lead wires black or white
- Rated for 30000h at 400VAC



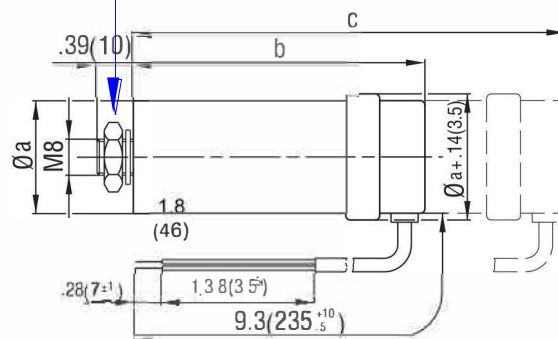
See column "nut and washer" for indicator:

- a = Hardware Included - Mounted
- b = Hardware Included - Not Mounted
- c = Hardware Not Included

METAL CAPACITORS with ALUMINUM LID

Part Number	Size (μF)	Temp. Range (°C)	Max. Dim in. (mm)			Nut & washer
			a	b	c	
2151-4-7320	1	-25 to +85	1.2 (30)	3 (77)	3.3 (85)	a
2155-4-7320	1.5	-25 to +85	1 (25)	3 (77)	3.3 (85)	a
2156-4-7320	2	-25 to +85	1 (25)	3 (77)	3.3 (85)	a
2159-4-7320	2.5	-25 to +85	1.2 (30)	3 (77)	3.3 (85)	a
2160-4-7320	3	-25 to +85	1.2 (30)	3 (77)	3.3 (85)	a
2161-4-7320	4	-25 to +85	1.2 (30)	4.2 (107)	4.4 (112)	b
2162-4-7320	5	-25 to +85	1.2 (30)	4.2 (107)	4.4 (112)	a
2163-4-7320	6	-25 to +85	1.2 (30)	4.2 (107)	4.4 (112)	b
2164-4-7320	7	-25 to +85	1.4 (35)	4.2 (107)	4.4 (112)	a
2165-4-7320	8	-25 to +85	1.4 (35)	4.2 (107)	4.4 (112)	b
2166-4-7320	10	-25 to +85	1.4 (35)	4 (102)	4.2 (107)	b
2167-4-7320	12	-25 to +85	1.4 (35)	4 (102)	4.2 (107)	c
90026-4-7320	14	-25 to +85	1.6 (40)	4 (102)	4.2 (107)	a
2168-4-7320	16	-25 to +85	1.6 (40)	4 (102)	4.2 (107)	b
2169-4-7320	20	-25 to +85	1.6 (40)	4.8 (122)	5 (127)	b
2170-4-7320	25	-25 to +85	1.8 (45)	4.8 (122)	5 (127)	c

- Lead wires blue or brown
- Rated for 30000h at 420VAC



- **Overpressure disconnect:** The protector responds to overload by the generated overpressure expanding the housing and snapping off the internal lead at a predetermined breaking point

- **Installation:** "c" is the overall dimension after operation of overpressure disconnect which has to be taken into account when mounting the part

Accessories

with UL and cUL Approvals

Part Number	Size (μF)	Temp Range °C	Dimensions					
			H		B		D	
			in	mm	in	mm	in	mm
450-21-0017	1	-40 to +85	2.00	50.8	1.75	44.5	1.875	47.63
450-21-0018	1.5	-40 to +85						
450-21-0019	2	-40 to +85						
450-21-0020	2.5	-40 to +85						
450-21-0021	3	-40 to +85						
450-21-0022	4	-40 to +85	3.125	79.38	2.00	50.8	2.125	53.98
450-21-0023	5	-40 to +85						
450-21-0024	6	-40 to +85						
450-21-0026	8	-40 to +85						
450-21-0027	10	-40 to +85						
450-21-0028	12	-40 to +85	3.875	98.43	2.5	63.5	2.625	66.68
450-21-0148	14	-40 to +85						
450-21-0029	16	-40 to +85						
450-21-0030	20	-40 to +85						
450-21-0031	25	-40 to +85						
450-21-0033	30	-40 to +85						
450-21-0034	40	-40 to +85						

Part Number for Boot	Dimensions							
	A		B		C		D	
	in	mm	in	mm	in	mm	in	mm
710-00-0042	1.75	44.4	1.5	38.1				
710-00-0166	2.00	50.8	1.5	38.1				
710-00-0167					2.3	58.42	2.3	58.42

* UL File # for capacitors
UL File # for Boot

E229850
MH17276

- 1/4" Quick Connect Terminals
- Rated 60000h at 440VAC

