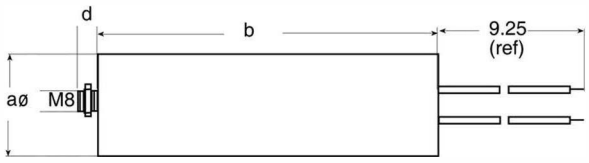
HOW TO USE CAPACITORS FOR MULTI-SPEED BLOWERS
It is possible to make any ebm blower with a PSC motor a multi-speed blower by adding a second or third capacitor on the load line (blue) at or near the value of the motor run capacitor. Actual capacitor value and RPM achieved are dependent on the nature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

CAPACITORS

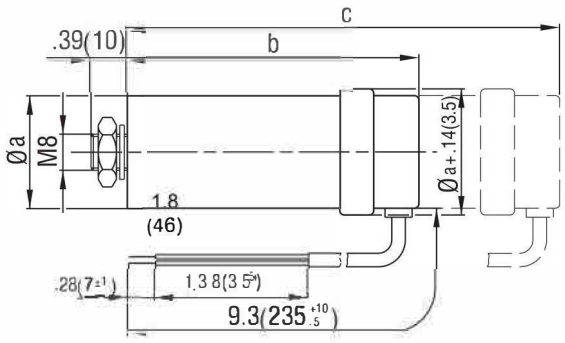
Part Number	Size (mfd)	Temp. Range (°C)	Housing Type	Max. Dim in. (mm) a	b	d
2111-4-7320	1	-25 to +85	Plastic	1 (25)	1.9 (49)	0.5 (12)
99282-4-7320	1.5	-25 to +85	Aluminum	1 (25)	2 (50)	0.5 (12)
99283-4-7320	2	-25 to +85	Plastic	1 (25)	1.9 (49)	0.5 (12)
2103-4-7320	2.5	-25 to +85	Plastic	1 (25)	1.9 (48)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

(For larger sizes consult factory)



METAL CAPACITORS with ALUMINUM LID

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



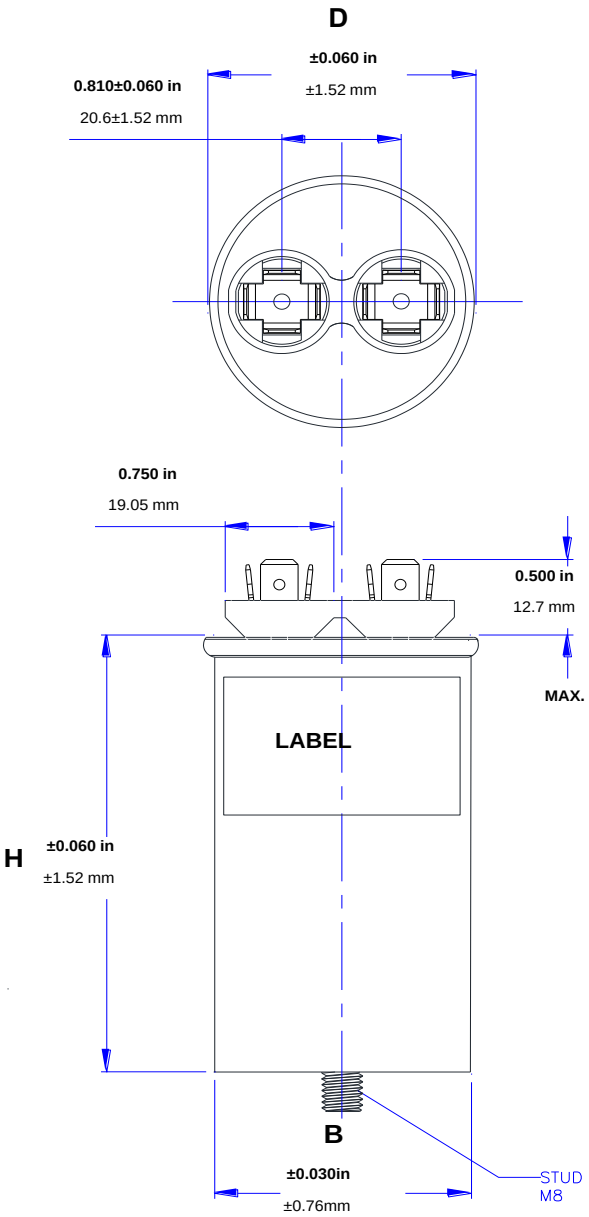
- Overpressure disconnector: The protector responds to overload by the generated overpressure expanding the housing and snapping off the internal lead at a predetermined breaking point

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

Accessories

with UL and cUL Approvals

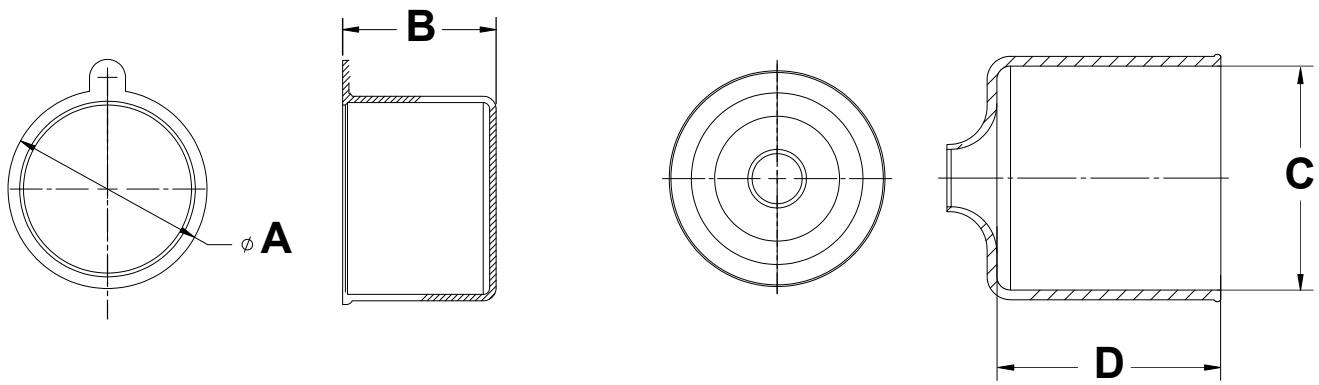
Part Number	Size (mfd)	Temp Range°C	Dimensions					
			H		B		D	
			in	mm	in	mm	in	mm
450-21-0017	1	-40 to +85	2.00	50.8	1.75	44.5	1.875	47.63
450-21-0018	1.5	-40 to +85						
450-21-0019	2	-40 to +85						
450-21-0020	2.5	-40 to +85						
450-21-0021	3	-40 to +85						
450-21-0022	4	-40 to +85						
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	3.125	79.38				
450-21-0028	12	-40 to +85						
450-21-0029	16	-40 to +85						
450-21-0030	20	-40 to +85	3.875	98.43	2.00	50.8	2.125	53.98
450-21-0031	25	-40 to +85						
450-21-0033	30	-40 to +85			2.5	63.5	2.625	66.68
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 E229850

UL File # for Boot MH17276



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