Phawoc Medium Frequency Capacitors



Vishay ESTA

Medium Frequency Capacitors, Water Cooled All-Film Technology up to 100 000 Hz



FEATURES

- Dielectric liquid biodegradable
- · High quality materials
- Massive connection studs (M12 or M20)

APPLICATIONS

- · Induction furnaces and heaters
- Improve power factor
- Tune special furnace circuits

STANDARDS

• IEC CEI 60110-1

Note

Capacitor in accordance with other standards available upon request

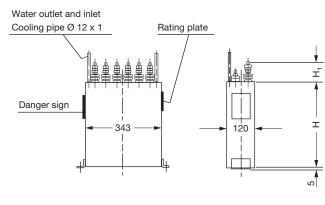
QUICK REFERENCE DATA					
Series	Phawoc medium frequency capacitors				
Description	Medium frequency capacitors, water cooled, indoor				
Туре	Capacitors, induction heating				
Technology	All-film polypropylene / aluminum foil				
Voltage min. (V)	250				
Voltage max. (V)	1000				
Frequency min. (Hz)	10 000				
Frequency max. (Hz)	100 000				
Output min. (kvar)	100				
Output max. (kvar)	2000				

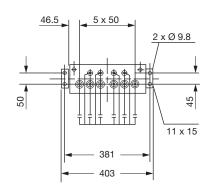
TECHNICAL DATA				
Internal connection	Live case			
Temperature category	+1 °C to +50 °C			
Capacitance tolerance	-10 % / +10 %			
Dielectric	All-film polypropylene / aluminum foil			
Impregnating agent	Synthetic oil (non-PCB)			
Protection	Pressure monitoring device / thermostat			
Standards	IEC CEI 60110-1			
Cooling system	Water cooling, outflowing water temperature 40 °C maximum			
Bushings	Porcelain, screw type, M12 / M20			
Casing	Brass sheet welded			
Mounting	Upright or horizontally position			
Standard color	RAL 7033 / other colors available upon request			
Erection	Indoor			



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FORMS OF CONSTRUCTION



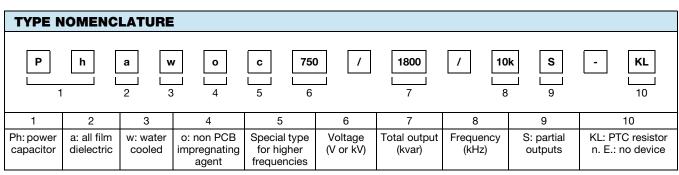


Standard case dimensions: 343 mm x 120 mm x H mm

DIMENSIONS AND WEIGHT								
FREQUENCY f (Hz)	RATED VOLTAGE U _N (V)	OUTPUT Q _n (kvar)	CURRENT (A)	BUSHING	CASING DIMENSIONS L x W x H (mm)	WEIGHT (kg)		
10 000	500	980	1960	M12 / M20	343 x 120 x 300	21		
10 000	1000	1970	1970	M12 / M20	343 x 120 x 250	19		
20 000	500	900	1800	M12 / M20	343 x 120 x 250	19		
20 000	1000	1800	1800	M12 / M20	343 x 120 x 200	16		
30 000	500	840	1680	M12 / M20	343 x 120 x 250	19		
30 000	1000	1700	1700	M12 / M20	343 x 120 x 250	19		
40 000	500	810	1620	M12 / M20	343 x 120 x 200	16		
40 000	1000	1620	1620	M12 / M20	343 x 120 x 200	16		
50 000	500	1020	2040	M12 / M20	343 x 120 x 200	16		
50 000	1000	1570	1570	M12 / M20	343 x 120 x 200	16		
60 000	500	760	1520	M12 / M20	343 x 120 x 200	16		
60 000	1000	1520	1520	M12 / M20	343 x 120 x 200	16		
80 000	500	720	1440	M12 / M20	343 x 120 x 200	16		
80 000	1000	1450	1450	M12 / M20	343 x 120 x 250	19		
100 000	500	700	1400	M12 / M20	343 x 120 x 250	19		
100 000	1000	1050	1050	M12 / M20	343 x 120 x 250	19		

Note

Shown are the maximum power ratings.
Other ratings, voltages, and subdivision are available on request



Note

• n. E. = no entry

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