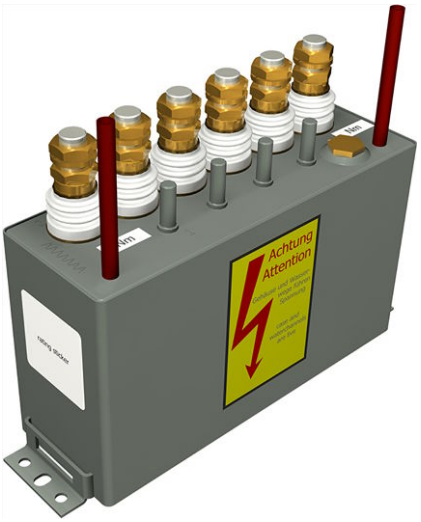
Medium Frequency Capacitors, Water Cooled
All-Film Technology up to 100 000 Hz



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

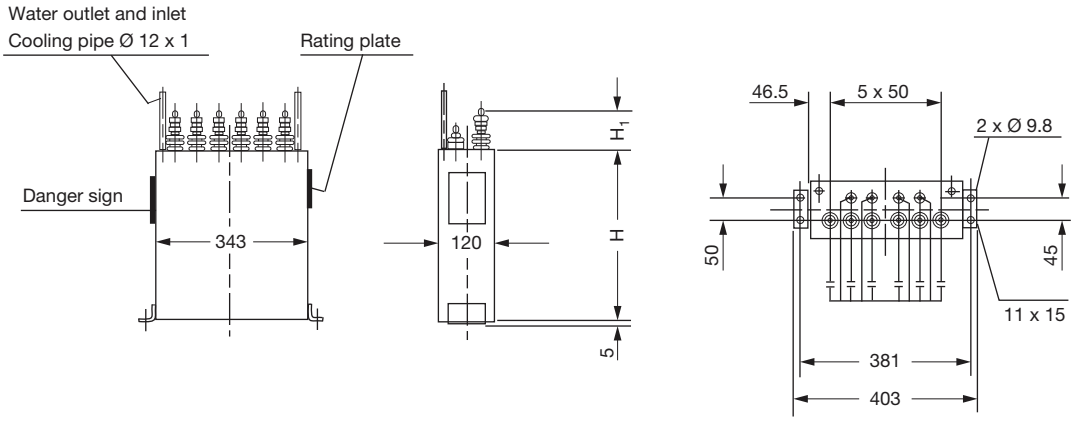
Note

- Capacitor in accordance with other standards available upon request

QUICK REFERENCE DATA	
Series	Phawoc medium frequency capacitors
Description	Medium frequency capacitors, water cooled, indoor
Type	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

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

TYPE NOMENCLATURE

P	h	a	w	o	c	750	/	1800	/	10k	S	-	KL
1		2	3	4	5	6		7		8	9		10

1	2	3	4	5	6	7	8	9	10
Ph: power capacitor	a: all film dielectric	w: water cooled	o: non PCB impregnating agent	Special type for higher frequencies	Voltage (V or kV)	Total output (kvar)	Frequency (kHz)	S: partial outputs	KL: PTC resistor n. E.: no device

Note

- n. E. = no entry

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