

Medium Frequency Capacitors, Water Cooled All-Film Technology up to 5000 Hz



FEATURES

- Dielectric liquid biodegradable
- High quality materials
- Massive connection studs (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

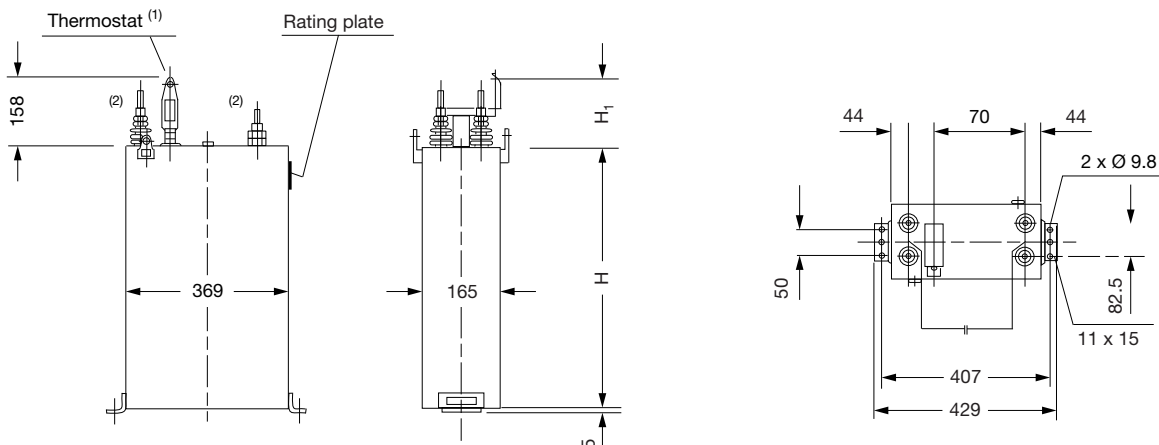
QUICK REFERENCE DATA

Series	Phawo...k.. medium frequency capacitors
Description	Medium frequency capacitors, water cooled, indoor
Type	Capacitors, induction heating
Technology	All-film polypropylene / aluminum foil
Voltage min. (V)	200
Voltage max. (V)	3000
Frequency min. (Hz)	75
Frequency max. (Hz)	8000
Output min. (kvar)	150
Output max. (kvar)	5000

TECHNICAL DATA

Internal connection	Dead or 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, 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: 369 mm x 165 mm x H mm (other dimensions upon request)

Notes

- (1) Upon request
- (2) Water connection

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)
150	600	800	1333	M20	369 x 165 x 1000	85
150	3000	2000	667	M20	369 x 165 x 1000	85
300	600	1375	2400	M20	369 x 165 x 1000	85
300	3000	4000	1333	M20	369 x 165 x 1000	85
600	250	560	2240	M20	369 x 165 x 1000	85
600	3000	8000	2667	M20	369 x 165 x 1000	85
1000	250	625	2500	M20	369 x 165 x 700	66
1000	2500	6250	2500	M20	369 x 165 x 950	82
3000	250	625	2500	M20	369 x 165 x 500	51
3000	2000	5000	2500	M20	369 x 165 x 500	51
5000	250	600	2400	M20	369 x 165 x 550	56
5000	2000	4800	2400	M20	369 x 165 x 550	56

Note

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

TYPE NOMENCLATURE												
<div><div>P</div><div>1</div></div>	<div><div>h</div><div>2</div></div>	<div><div>a</div><div>3</div></div>	<div><div>w</div><div>4</div></div>	<div><div>o</div><div>5</div></div>	<div><div>s</div><div>6</div></div>	<div><div>750</div><div>7</div></div>	<div><div>/</div><div>8</div></div>	<div><div>1800</div><div>9</div></div>	<div><div>/</div><div>10</div></div>	<div><div>1k</div><div>11</div></div>	<div><div>-</div><div>12</div></div>	<div><div>DR</div><div>13</div></div>
1	2	3	4	5	6	7	8	9				
1	2	3	4	5	6	7	8	9				
Ph: power capacitor	a: all film dielectric	w: water cooled	o: non PCB impregnating agent	s: live casing n. E.: dead casing	Voltage (V or kV)	Total output (kvar)	Frequency (kHz)	DR: pressure switch ST: thermostat KL: PTC resistor				

Note

- n. E. = no entry



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