

Medium Frequency Capacitors, Water Cooled All-Film Technology up to 10 000 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

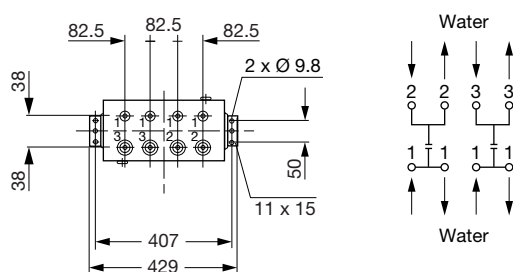
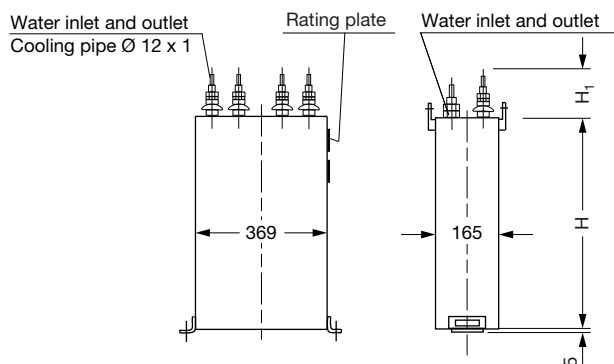
Series	Phawoz medium frequency capacitors
Description	Medium frequency capacitors, water cooled, indoor
Type	Capacitors, induction heating
Technology	All-film polypropylene / aluminum foil
Voltage min. (V)	250
Voltage max. (V)	2400
Frequency min. (Hz)	1000
Frequency max. (Hz)	10 000
Output min. (kvar)	600
Output max. (kvar)	6000

TECHNICAL DATA

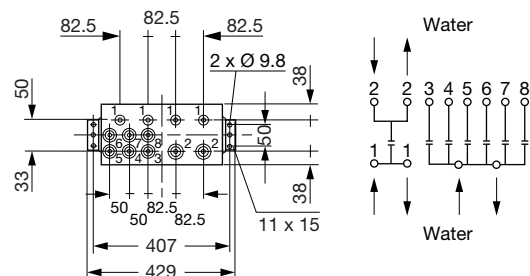
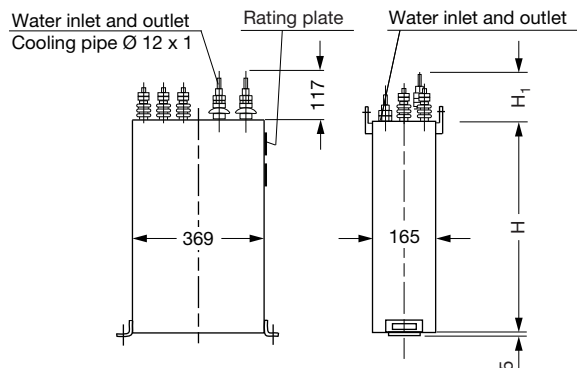
Internal connection	Live case
Temperature category	+1 °C to +50 °C
Capacitance tolerance	-10 % / +10 %
Dielectric	All-film polypropylene / aluminum foil
Impregnating agent	Synthetic oil (non-PCB)
Protection	Pressure monitoring device / thermostat
Standards	IEC CEI 60110-1
Cooling system	Water cooling, 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



Version A



Version B

Standard case dimensions: 369 mm x 165 mm x H mm (other dimensions upon request)

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	760	1267	M12 / M20	369 x 165 x 1000	87
150	3000	2000	667	M12 / M20	369 x 165 x 1000	87
300	600	1020	1700	M12 / M20	369 x 165 x 800	72
300	3000	4000	1333	M12 / M20	369 x 165 x 1000	87
600	250	420	1680	M12 / M20	369 x 165 x 850	76
600	3000	6000	2000	M12 / M20	369 x 165 x 1000	87
1000	250	660	2640	M12 / M20	369 x 165 x 1000	87
1000	2450	4900	2000	M12 / M20	369 x 165 x 1000	87
3000	250	660	2640	M12 / M20	369 x 165 x 400	38
3000	1500	3960	2640	M12 / M20	369 x 165 x 350	33
5000	250	640	2560	M12 / M20	369 x 165 x 300	29
5000	1500	3840	2560	M12 / M20	369 x 165 x 350	33
8000	250	600	2400	M12 / M20	369 x 165 x 250	25
8000	1500	3500	2333	M12 / M20	369 x 165 x 300	29
10 000	250	570	2280	M12 / M20	369 x 165 x 300	29
10 000	1500	3400	2267	M12 / M20	369 x 165 x 300	29

Note

- Shown are the maximum power ratings.
Other ratings, voltages, and subdivision 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>z</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>S</div><div>12</div></div>	<div><div>-</div><div>13</div></div>	<div><div>DR</div><div>14</div></div>
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	z: twin outputs c: special type for higher frequencies n. E.: standard types	Voltage (V or kV)	Total output (kvar)	Frequency (kHz)	S: version B n. E.: version A	DR: pressure switch ST: thermostat KL: PTC resistor n. E.: no device				

Note

- n. E. = no entry



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