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Vishay ESTA

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



LINKS TO ADDITIONAL RESOURCES



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

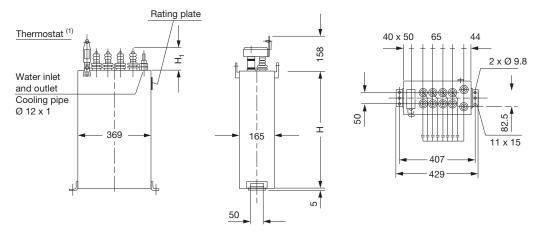
QUICK REFERENCE DATA				
Series	PhawokS medium frequency capacitors			
Description	Medium frequency capacitors, water cooled, indoor			
Туре	Capacitors, induction heating			
Technology	All-film polypropylene / aluminum foil			
Voltage min. (V)	200			
Voltage max. (V)	3000			
Frequency min. (Hz)	75			
Frequency max. (Hz)	10 000			
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, M12 / M20			
Casing	Brass sheet welded			
Mounting	Upright or horizontally position			
Standard color	RAL 7033 / other colors available upon request			
Erection	Indoor			

Phawo...kS.. Medium Frequency Capacitors

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FORMS OF CONSTRUCTION



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

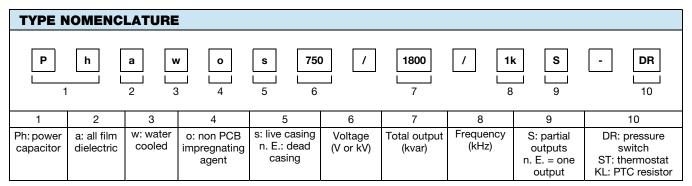
Note

(1) 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	90			
150	3000	2000	667	M12 / M20	369 x 165 x 1000	90			
300	600	1020	1700	M12 / M20	369 x 165 x 800	80			
300	3000	4000	1333	M12 / M20	369 x 165 x 1000	90			
600	250	420	1680	M12 / M20	369 x 165 x 850	85			
600	3000	6000	2000	M12 / M20	369 x 165 x 1000	90			
1000	250	660	2640	M12 / M20	369 x 165 x 1000	90			
1000	2450	4900	2000	M12 / M20	369 x 165 x 1000	90			
3000	250	660	2640	M12 / M20	369 x 165 x 400	38			
3000	1500	3960	2640	M12 / M20	369 x 165 x 350	34			
5000	250	640	2560	M12 / M20	369 x 165 x 300	29			
5000	1500	3840	2560	M12 / M20	369 x 165 x 350	34			
8000	250	600	2400	M12 / M20	369 x 165 x 250	26			
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



Note

• n. E. = no entry



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