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# Line Frequency Capacitors 50 Hz / 60 Hz Self-Healing Technology



## **FEATURES**

- Self-healing technology
- · High quality materials
- Over pressure switch
- 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

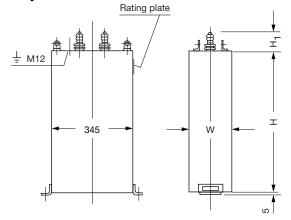
QUICK REFERENCE DATA					
Series	PhMKP line frequency				
Description	Line frequency capacitors, indoor				
Туре	Capacitors, induction heating				
Technology	Self-healing / metallized polypropylene film				
Voltage min. (V)	200				
Voltage max. (V)	900				
Frequency min. (Hz)	50				
Frequency max. (Hz)	60				
Output min. (kvar)	10				
Output max. (kvar)	675				

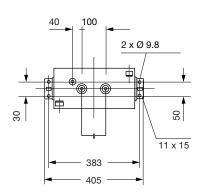
TECHNICAL DATA					
Internal connection	Single phase (dead case), Circuitry I to IX				
Discharge resistor	Available				
Temperature category	-25 °C to +45 °C				
Capacitance tolerance	-5 % / +5 %				
Dielectric	Metallized polypropylene film				
Impregnating agent	Castor oil; wet / resin; dry				
Protection	Pressure monitoring device				
Standards	IEC CEI 60110-1				
Cooling system	Self-cooling, water-cooled capacitors can be supplied upon request				
Bushings	Porcelain, screw type, M12 / M20				
Casing	Stainless steel / brass sheet welded				
Mounting	Upright or horizontally position				
Standard color	RAL 7033 / other colors available upon request				

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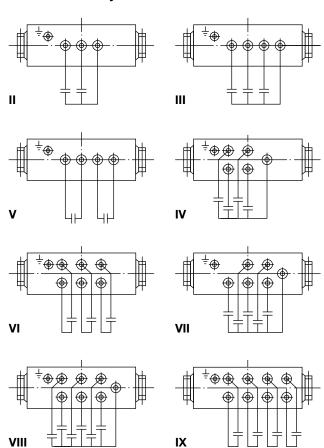
## **FORMS OF CONSTRUCTION**

## Circuitry I:





## **Additional Circuitry Versions:**



Standard case dimensions: 345 mm x 135 mm / 175 mm x H mm (other dimensions upon request)

DIMENSIONS AND WEIGHT									
RATED VOLTAGE U <sub>N</sub> (V)	OUTPUT Q <sub>n</sub> AT 50 Hz (kvar)	CURRENT AT 50 Hz (A)	Hz BUSHING L x W x H		WEIGHT (kg)	CIRCUITRY			
200	200	1000	M12	345 x 135 x 900	65	VII			
250	250	1000	M12	345 x 135 x 720	53	VII			
400	400	1000	M12	345 x 135 x 650	49	VII			
500	500	1000	M12	345 x 135 x 910	66	VII			
600	510	850	M12	345 x 135 x 970 69		VII			
800	600	750	M12	345 x 135 x 750 55		VII			
900	630	700	M12	345 x 135 x 910	66	VII			

#### Notes

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



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# **PhMKP... Line Frequency Capacitors**

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TYPE NOMENCLATURE											
P         h         M         K         P         g         w         850         /         500         /         1         S         -         DR         -         60 Hz         -         EW           1         2         3         4         5         6         7         8         9         10         11											
1	2	3	4	5	6	7	8	9	10	11	
Ph: power capacitor	MKP: metallized polypropylene film	g: dry n. E.: oil filled	w: water cooled n. E.: air cooled	Voltage (V or kV)	Total output (kvar)	1-phase	S: partial outputs n. E.: one output	DR: pressure switch n. E.: without monitoring	60 Hz: frequency n. E.: 50 Hz	EW: discharge resistor n. E.: without discharge device	

#### Note

• n. E. = no entry



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