

## CMS series Power factor correction for induction heating



### FEATURES

- Water cooling
- High over-voltage and over-current
- Metal foil
- Insulating liquid inside
- Metal shell

### APPLICATIONS

- Induction heating
- Dissolve
- Mixing
- Casting machine

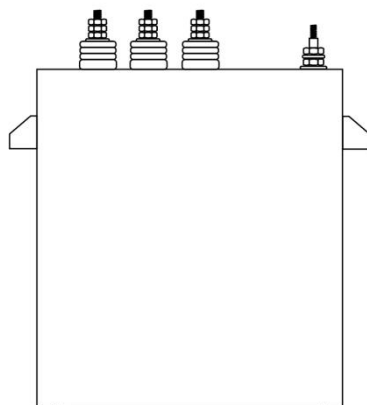
### CMS WATER COOLED COMPENSATION CAPACITORS

The Capacitors are suitable for indoor capacitor units and capacitor banks in controllable or adjustable AC voltage systems with a nominal voltage not exceeding 4kV and a frequency of 50kHz and below, specifically designed to improve the power factor or circuit characteristics of induction heating, melting, stirring, or casting devices, as well as similar applications. The Capacitors conforms to JB7110-93 <Capacitor for electric heating installations> and IEC-60110 <Capacitor for inductive heat generating plants operating plants operating at frequencies between 40Hz to 24000Hz>.

### ELECTRICAL CHARACTERISTICS

Capacitance Range:	0.1~100 $\mu$ F
kvar Range:	250~3000kvar
Frequency:	0.5-100kHz
Rated Voltage:	375~3000V <sub>ac</sub> (No over 4H/day when 1.1Un)
Irms:	200-3000A (No over 1.15In)
Water flow:	> 6L/min(> 1000kvar); > 4L/min( $\leq$ 1000kvar).
Expected Life:	50000H (Rated running conditions)
Max.Altitude:	< 1000m

### OUTLINE DRAWING



OPTIONS A:  
(Dimensions)  
Any type

OPTIONS B:  
(installing foot/Terminals)  
Every position

# Water Cooled Compensation Capacitors



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### COMMON DESIGN (mm)

Voltage (V <sub>ac</sub> )	Rated Value				Dimensions(mm)			Weight (kg)
	kvar	µF	Hz	A	L	W	H	
375	250	4X28.29	2,500	666.6	336	120	300	14
	500	6X94.31	1,000	1333.3	400	165	400	39
	750	8X42.44	2,500	2000	440	142	380	29
	1000	10X113.2	1,000	2666.6	440	205	560	56
500	500	6X106.1	500	1000	440	165	425	38
	1000	8X79.57	1,000	2000	400	205	425	55
	1000	6X42.44	2,500	2000	336	142	360	33
650	480	2X0.9	100,000	738.4	240	126	150	9
	560	4X1.05	50,000	861.5	303	126	185	11
	1000	6X6.27	10,000	1538.4	336	142	200	16
	1500	8X1.41	50,000	2307.6	336	126	260	19
750	180	2X25.46	1000	240	303	120	170	9
	360	4X0.84	30,000	480	303	126	165	10
	640	4X1.5	30,000	853.3	303	126	250	16
	900	6X2.82	15,000	1200	336	142	240	26
	1000	6X47.15	1,000	1333.3	336	142	400	28
	1000	6X4.71	10,000	1333.3	336	142	200	13
	1000	6X1.17	40,000	1333.3	336	126	320	18
	1500	8X53.05	1,000	2000	440	165	360	32
	1500	8X13.26	4,000	2000	335	142	330	25
	2000	8X28.29	2,500	2666.6	400	165	380	37
1000	1000	6X26.52	1,000	1000	336	142	360	26
1200V	1000	4X27.63	1,000	833.3	336	142	360	25
	2000	8X27.63	1,000	1666.6	440	165	360	37
1500	1000	6X11.78	1,000	666.6	336	142	340	22
	1500	6X17.68	1,000	1000	336	165	380	30
	2000	6X9.43	2,500	1333.3	336	142	400	26
	3000	8X26.52	1,000	2000	440	205	435	51
1800	3000	8X18.42	1,000	1666.6	440	205	400	44
2000	2000	6X26.52	500	1000	440	205	435	56
2200	2000	6X21.92	500	909	440	205	435	55
2500	2000	6X16.97	500	800	440	205	420	42
	2000	8X6.36	1,000	800	400	170	400	36

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Voltage (AC)	Rated Value				Dimensions(mm)			Weight (kg)
	kvar	$\mu$ F	Hz	A	L	W	H	
3000	3000	6X17.68	500	1000	440	205	595	67
	3000	6X8.84	1,000	1000	440	205	380	43

\* CABO reserves the right to make changes without further notice to any products herein to improve reliability, function or design.

\* Other values and dimensions are available on request.

**CABO** is a leading brand of high reliability capacitors, providing specifically designed solutions to meet the reliability needs of industrial, military, medical and specialized applications worldwide.

As a well-known brand of China, CABO capacitors are among the world's most reliable component. Focus on High-End global markets and High reliability request fields, providing customization services. With world-class design, testing and manufacturing facilities in China, enable the quick turn-around for fast and mass delivery worldwide.

Our extensive custom design and development capabilities coupled with standardized mass production capacity offerings allow us to be a competitive option for power electronics industry.