AMC series AC Filtering Applications

FEATURES

- Dry type, No leakage risk
- High over-voltage and over-current
- Over-pressure disconnector inside
- Self-healing technology
- Metal shell

APPLICATIONS

- AC filter circuit
- LCL filter
- Power factor correction
- Inverter output filtering

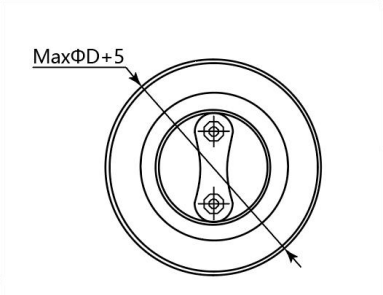
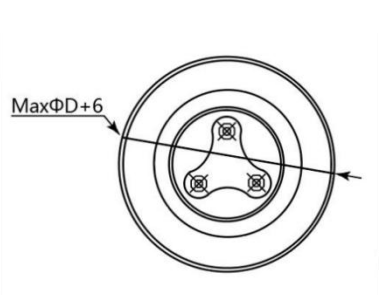
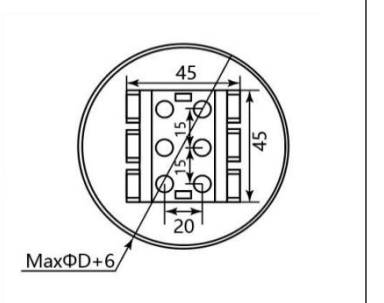
AMC SERIES AC CAPACITORS

AMC capacitors are designed to filter undesirable harmonics at the AC output of large inverter system. This series has a dual protection system utilizing self healing metallized polypropylene and a mechanical pressure interrupter to ensure a safe open circuit mode in the event of overload or end of life. Typical applications include wind turbine PFC controllers, solar inverter output filters, and power line conditioning. Suitable for ac filter circuit in power electronic and UPS power supply, and can withstand high harmonic current, peak current and voltage.

■ELECTRICAL CHARACTERISTICS

Capacitance Range:	8~600μF
Operating Temperature:	-40℃~+85℃
Capacitance Tolerance:	±5%(J);±10% (K)
Rated RMS Voltage (U_{rms}):	250～1200V_{ac}
Test Voltage between Terminal:	2.15U_{rms} or 1.5U_n 10s @25℃
Test Voltage between Terminal/Case:	3800V 50Hz for 10 s
Max.Altitude：	＜2000m
Flame Resistance：	UL 94 V-0
Lifetime Expectancy：	≥100,000Hours (0.8U_{rms}, θ_{hs}≤70℃)

■OUTLINE DRAWING

SINGLE PHASE	THREE PHASE △	THREE PHASE △
		

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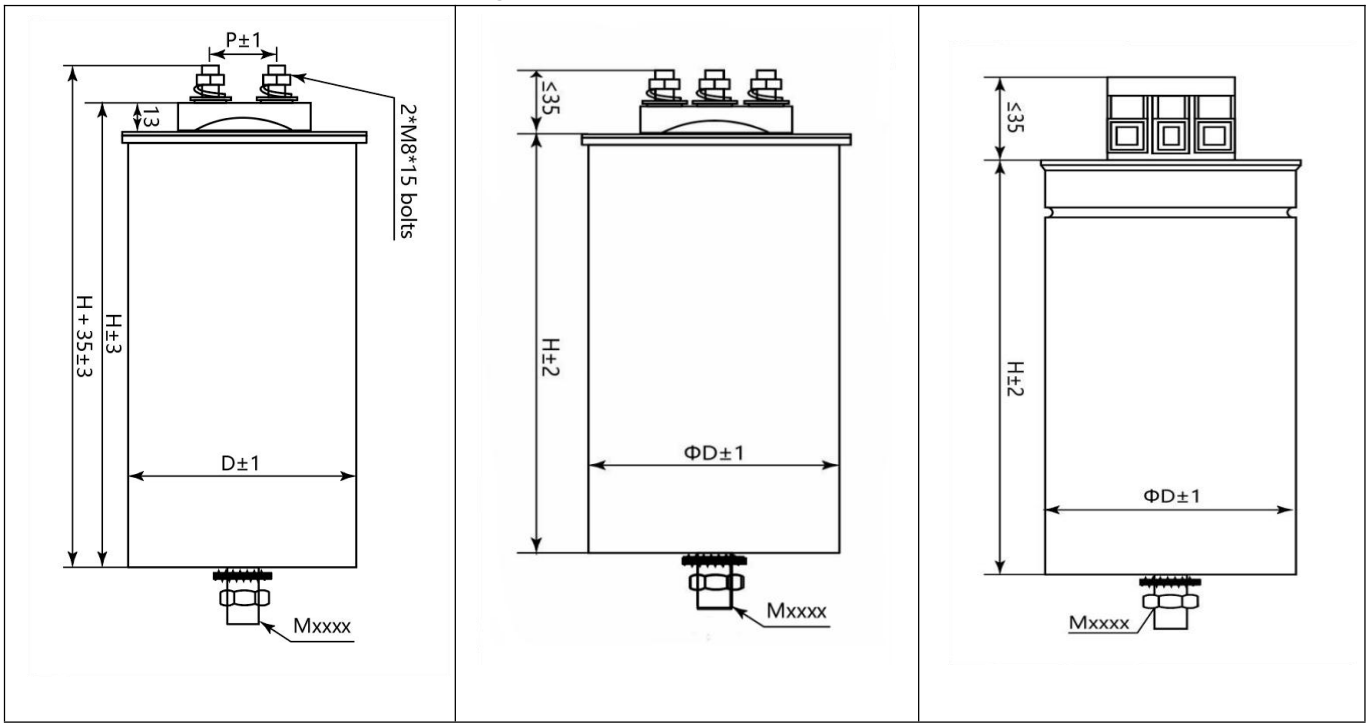

■COMMON DESIGN

Rated RMS voltage	Rated Voltage	Capacitance(μF)	Dimensions (mm)		I_{rms} (A)	Weight (kg)
U_{rms}	U_n	C_n	D	H		
250V_{ac}	350V_{ac}	150	76	120	35	0.6
		200	76	130	37	0.6
		350	76	200	54	1.0
		500	86	220	59	1.4
330V_{ac}	460V_{ac}	120	76	120	34	0.6
		200	86	145	40	1.0
		330	86	195	50	1.3
		400	86	250	54	1.6
		450	86	290	59	1.8
450V_{ac}	640V_{ac}	3x30	86	165	3x25	1.1
		3x30	76	215	32x28	1.3
		3x40	86	215	3x27	1.3
		3x68	96	230	3x36	1.7
		3x100	96	290	3x50	2.2
		3x100	96	210	3x43	1.9
		3x135	116	230	3x46	2.5
		150	86	185	70	1.3

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Rated RMS voltage	Rated Voltage	Capacitance(μF)	Dimensions (mm)		I_{rms} (A)	Weight (kg)
U_{rms}	U_n	C_n	D	H		
530V_{ac}	750V_{ac}	3x22	86	215	3x40	1.3
		3x23	86	170	3x50	1.3
		3x30	86	215	3x32	1.3
		3x40	86	260	3x32	1.6
		3x50	96	200	3x32	1.7
		3x100	116	230	3x50	2.6
		100	86	210	60	1.8
690V_{ac}	980V_{ac}	22	76	105	28	0.5
		33	76	170	36	0.8
		3x38	116	121	3x40	2.4
		68	86	200	49	1.2
		3x100	136	260	3x45	2.9
		120	96	250	55	1.9
760V_{ac}	1080V_{ac}	3x22	96	185	3x56	1.5
		3x68	116	290	3x28.1	3.0
800V_{ac}	1130V_{ac}	3x49	116	230	3x40	2.7

*Caution the installing direction: 

*Over-pressure disconnector inside, at least 30mm is necessary at the top space after the capacitors installed.

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

*Max. permissible voltages, within one day: (1.1Un, 30% of on-load duration) (1.15Un, 30min) (1.2Un, 5min) (1.3Un, 1min) (1.5Un, 100ms).

*Other values and dimensions are available on request.

■RELATED CAPACITOR SERIES

		
SPB	DMC	DPB

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.