

## High Voltage AC Power Capacitors 3-Phase Capacitor Banks IP55



### FEATURES

- Latest technology
- High quality materials
- Low losses design
- Dielectric liquid biodegradable
- Absolutely safe against animal effects
- Avoiding directly contact to live parts
- Turnkey solution

### APPLICATIONS

- Power factor correction
- Motor compensation
- Harmonic filtering
- Industrial converter
- Thermal power station
- Solar
- Wind

### QUICK REFERENCE DATA

Series	C/... HVAC capacitors banks 3ph IP55
Description	Power capacitors IP55, indoor / outdoor
Type	3-phase capacitor banks up to 12 kV
Technology	All-film polypropylene / aluminum foil
Voltage min. (V)	1000
Voltage max. (V)	12 000
Frequency min. (Hz)	50
Frequency max. (Hz)	60
Output min. (kvar)	50
Output max. (kvar)	6840

### TECHNICAL DATA

Rated frequency	50 Hz or 60 Hz
Insulation class	Up to 12 kV
Internal connection	Dead case
Discharge resistor	Yes
Temperature category	-50 °C to +55 °C
Capacitance tolerance	-5 % / +10 %
Dielectric	All-film polypropylene / aluminum foil
Protection	Pressure or unbalance monitoring device
Impregnating agent	Synthetic oil (non-PCB)
Standards	IEC 6087-1, ANSI/IEEE 18, CSA C22.2 No. 190, capacitor in accordance with other standards available upon request
Bushings	Cable gland KV-PG 68, sealing with hot shrink-fit method
Casing	Stainless steel
Standard color	RAL 7033 / other colors available upon request



## FORMS OF CONSTRUCTION



**Form 1**  
Maximum voltage: 7.2 kV  
Pressure monitoring device



**Form 2**  
Maximum voltage: 12 kV  
Pressure monitoring device



**Form 3**  
Maximum voltage: 7.2 kV  
Unbalance monitoring device



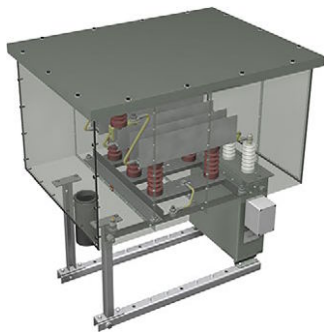
**Form 4**  
Maximum voltage: 12 kV  
Unbalance monitoring device



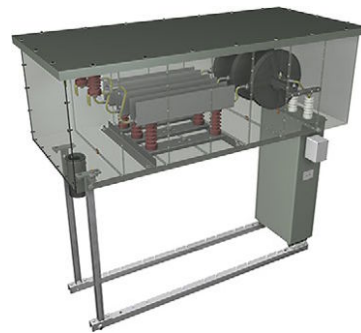
**Form 5**  
Maximum voltage: 7.2 kV  
Unbalance monitoring device



**Form 6**  
Maximum voltage: 12 kV  
Unbalance monitoring device



**Extension: HH**  
Additional with HH fuses



**Extension: HH / LD**  
Additional with HH fuses and current inrush reactors

## CORROSION PROTECTION

Case: stainless steel, 3 layer painting

Frames: hot dip galvanized, 70 µm



## DIMENSION AND WEIGHT

CAPACITOR BANK UP TO 7.2 kV, 50 Hz / 60 Hz, IP55, INDOOR AND OUTDOOR								
RATED VOLTAGE $U_N$ (kV)	OUTPUT $Q_n$ AT 50 Hz (kvar)	OUTPUT $Q_n$ AT 60 Hz (kvar)	IMPULSE (kVp)	CURRENT AT 50 Hz (A)	CURRENT AT 60 Hz (A)	BANK DIMENSIONS L x W x H (mm)	WEIGHT (kg)	FORM
7.2	50	60	60	4	5	525 x 604 x 655	35	1
7.2	100	120	60	8	10	525 x 604 x 685	38	1
7.2	200	240	60	16	19	525 x 604 x 825	50	1
7.2	300	360	60	24	29	525 x 604 x 985	60	1
7.2	500	600	60	40	48	525 x 604 x 1110	80	1
7.2	700	840	60	56	67	525 x 604 x 1365	110	1
7.2	1000	1200	60	80	96	525 x 1100 x 950	155	3
7.2	1800	2160	60	144	173	525 x 1100 x 1130	250	3
7.2	2300	2760	60	184	221	525 x 1100 x 1330	310	3
7.2	3300	3960	60	265	318	525 x 1733 x 1065	450	5
7.2	4800	5700	60	385	457	525 x 1733 x 1365	615	5

CAPACITOR BANK UP TO 12 kV, 50 Hz / 60 Hz, IP55, INDOOR AND OUTDOOR								
RATED VOLTAGE $U_N$ (kV)	OUTPUT $Q_n$ AT 50 Hz (kvar)	OUTPUT $Q_n$ AT 60 Hz (kvar)	IMPULSE (kVp)	CURRENT AT 50 Hz (A)	CURRENT AT 60 Hz (A)	BANK DIMENSIONS L x W x H (mm)	WEIGHT (kg)	FORM
12	50	60	60	2	3	675 x 604 x 890	47	2
12	100	120	60	5	6	675 x 604 x 950	50	2
12	200	240	60	10	12	675 x 604 x 980	62	2
12	300	360	60	14	17	675 x 604 x 1135	74	2
12	500	600	60	24	29	675 x 604 x 1440	97	2
12	700	840	60	34	40	675 x 604 x 1710	120	2
12	1000	1200	60	48	58	675 x 1100 x 1685	262	4
12	1800	2160	60	87	104	675 x 1100 x 1455	285	4
12	2500	3000	60	120	144	675 x 1100 x 1666	337	4
12	3300	3960	60	159	191	675 x 1733 x 1285	455	6
12	5700	6840	60	274	329	675 x 1733 x 1785	695	6

TYPE NOMENCLATURE																
C	/	7.2	/	700	/	50	/	D	/	U	/	HH	/	LD	/	K
1		2		3		4		5		6		7		8		9
C: compensation		Voltage in kV		Rated power in kvar or Mvar		Frequency in Hz		D: pressure monitoring device n. E.: no entry / no device		U: unbalance monitoring device n. E.: no entry / no device		HH: HH fuse n. E.: no entry / no device		LD: current limiting reactor n. E.: no entry / no device		K: IP55 capacitor



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