

Xi'an Herong Mech-Electrical Engineering Co., Ltd.

No.9 Xijin Road, Jingwei Industrial Park, Xi'an City, P.R.China Tel: 0086-29-65699872 Fax: 0086-29-65699875

SCHEDULE OF TECHNICAL INFORMATION

5. Capacitor Banks

1: MV CAPACITORS

<u>ITEM</u>	<u>DESCRIPTION</u>		TECHNICAL PARTICULARS
Α	CAPACITORS		
1	Manufacturer		Herong Electric Co., Ltd.
2	Type of capacitor		Single phase, two Bushings, out door
3	Number of capacitors in parallel		
4	Number of capacitors in series		
5	Applicable standard		IEC 60871-2005
6	Assigned rated current	amps	17.32A
7	Assigned rated voltage	Kv	11.55kV
8	Assigned rate output	KVAR	200 KVAR
9	Nominal capacitance	μf	4.77 μF
10	Variation in capacitance due to temperatur (percent with respect to value at reference temperature).		
	a) At lowest ambient temperature	%	+1
	b) At upper limit of ambient temperature	%	-1
11	Nominal rated voltage of elements	٧	1925V
12	Element construction a) Electrode b) Solid dielectric c) Impregnant		Aluminium foil Polypropylene film M/DBT (NON PCB)
13	a) Minimum dielectric strength b) Maximum dielectric stress at rated voltage		500 kV/mm 58.33 kV/mm
14	Number of elements connected in series and/or phase. a) per unit type capacitor bank b) per tank type	parallel per	
15	Details of fusing arrangement and whether external (current time characteristic of fu provided)		NO FUSE
16	Minimum breakdown voltage of individual Elements.	V	9000 V
17	Details of Mineral oil for impregnating medium		M/DBT 完合家机由工程右限八司

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TECHNICAL INFORMATION

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<u>ITEM</u>	DESCRIPTION		TECHNICAL PARTICULARS	
18	Detail of alternative impregnating medium			
19	Total losses at reference ambient temperature, at rate and rated frequency (d voltage (KW)	0.04KW	
20	Total losses at lowest ambient temperature at rated vorated Frequency (KW)		0.044KW	
21	· · · · ·	(KW)	0.036KW	
22	Total weight of complete capacitor including all fittings impregnating medium	and (Kg)	40kg	
23	Details of fittings and parts detached for transport			
24	Weight of complete three phase capacitor bank arratransportation.			
	a) Total b) Heaviest packages	tones tones		
25	Material of tank or container	tones	Stainless Steel	
26	Thickness of tank or container			
	a) Sides mm b) Bottom mm c)Details of overall finish (including method of cleaning, primary and finishing paints)		1.5 mm 1.5 mm Acrylic polyurethane hammer finish	
27	Type of connector at H.V terminal of capacitor bank			
28	Type of connector at neutral end of capacitor bank			
29	Insulation level between terminals and container.			
	- Impulse withstand K	v (peak)	125 kV	
	- Power frequency withstand Kv	v (rms)	50 kV	
30	a) Resistance of discharge resistor oh	ım	9 ΜΏ	
	b) Temperature category		- 40/45 ℃	
31	Container hottest spot temperature rise above ambient at rated		10℃	
	power 9	西安	台容机电工程有限公司	

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