

SCHEDULE OF THECHNICAL INFORMATION
(INFORMATION TO BE SUPPLIED WITH TENDER)

18.capacitor bank

a:CAPACITOR

item	Description	TECHNICAL PARTICULARS
1	Manufacturer	parto khazen co
2	Type of capaciotor	PK 200/19.05 EDRI
3	Number of capacitors in parallel	4
4	Number ov capacitors in series	10
5	Application standard	IEC 871
6	Assigned rated current ----- amp	10.53
7	Assigned rated voltage ----- kv	19.05
8	Assigned rated output ----- kvar	200
9	Norminal capacitance ----- μ f	1.76
10	Variation in capacitance due to temperature varation (percent with respect to value at reference ambient temperature) a)At lowest ambient temperature ----- % b)At upper limit of ambient temperature ----- %	<1% <1%
11	Nominal rated voltage of elements ----- V	1905
12	Element constuction a)electrode b)solid dielectric c)impergnant	Aluminium foil polypropylen film jarlyc c101 PCB free

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13	a)minimum dielectric strenght ----- v/m	57kv/mm
	b)maximum dielectric stress at rated voltage ---- v/m	65kv/mm
14	Number of elements connected in series and/or parallel per phase	40
15	Details of fusing arrangment and whether internal or external (current time characteristic of fuses to be provided)	EXTERNAL FUSE
16	Minimum breakdown volage of individual elements ----- V	1.14*Un
17	Details of mineral oil for impregnating medium	jarlyc c101 PCB free
18	Detail of alternative impregnating medium	Benzylated toluene & Dibenzylated toluene
19	Total losses at reference ambient temperature, at rated volage and frequency ----- kw	0.024
20	total losses at lowest ambient temperature, at rated volage and frequency ----- kw	0.02
21	total losses at upper ambient temperature, at rated volage and frequency ----- kw	0.03
22	total weight of complete capacitor including all fittings and impregnating medium ----- kg	45

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item	Description	TECHNICAL PARTICULARS
23	Detail of fitting and parts detached for transport	12 hongers on sites
24	Weight of complete three phase capacitor bank arranged for transport	
	a)total ----- tones	22
	b)heaviest packages ----- tones	600kg
25	Material of tank or container	stainless steel
26	thichness of tank or container	
	a)sides ----- mm	1.5
	b)bottom----- mm	1.5
	c) details of overall finish (including method of cleaning, primary and finishing paints)	60μm primary 60μm finishing
27	Type of connector at H.V terminal of coapacotor bank	NUT(M16)
28	Type of connector at nutral end of capacitor bank	NUT(M12)
29	Insulation level between terminal and container:	
	_ impulse withstand----- kv peak	170
	_ Power frequency withstand ----- kv rms	70
30	Creepage distance -----mm	762
31	a) Resistance of discharge resistor ----- ohm	27100kohm
	b) Temperature category	-25 ~ +55
32	Container hottest spot temperature rise above ambient at rated powe ----- C	At rated operation the temperatare rise of the case is +8 to +10 in shadow