

CTSR-3000kVA/500kV

2 -15#

311107

0571-89935606

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[http://www.255\(w\)6.7\(t\)6\(z\(t\)\)8-6.4](http://www.255(w)6.7(t)6(z(t))8-6.4) -

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GB7328-87	<<	>>
GB1094	<<	>>
GB/T16927.1-2-1997	<<	>>
ZBK41006-89	<<	>>
GB4208	<<	>>
GB2900	<<	>>
GB5273	<<	>>
GB191	<<	>>
GB10327	<<	>>
GB10229-88	<<	>>
IEC358(1990)	<<	>>
IEC1000	<<	>>
GB4793-1984		

1	110kV	1200mm²	≤ 2km		≤ 0.564 μ F,	30-
	300Hz,	≤ 128kV		3		30
2	220kV	1600mm²	≤ 1km		≤ 0.204 μ F,	30-
	300Hz,	≤ 216kV		3		30
3	220kV GIS	≤ 490kV,			≤ 900pF	30-300Hz
	1min					
4	220kV		≤ 490kV		≤ 50pF	30-300Hz
	1min					

1. 10⁰C 50⁰C;
2. ≤ 90%RH;
3. : ≤ 1000

1. 3000kVA
2. 380V 50Hz
3. 128kV 216kV 500kV

4. 20.41A 12.46A 1.5A
5. 30-300Hz
- 6.
7. $\leq 1\%$
8. 3 30
9. 1.2 1
10. 3 30
- $\leq 65K$
11. $Q \geq 35(f=45Hz)$
12. ()
13. 1.5

1 110kV 1200mm² $\leq 2km$ $\leq 0.564 \mu F$,
 30-300Hz, $\leq 128kV$ 3 30

$f=45Hz$

$$I=2 \sqrt{fCU} = 2 \times 45 \times 0.564 \times 10^{-6} \times 128 \times 10^3 = 20.41A$$

$$L=1/\omega^2C=1/(2\pi \times 45)^2 \times 0.564 \times 10^{-6} = 22.2H$$

2 220kV

32

32

15H/1.5A

3000kVA

1	110kV	1200mm ²	≤ 2km	≤ 0.564 μ F,	30-300Hz,
		≤ 128kV	3	30	
		8	3	L=3.3*8*2.59/3=22.79	22.79H
		f=1/2 π √ LC=1/(2 × 3.14 × √ 22.79 × 0.564 × 10 ⁻⁶)=44.39Hz			
		I=2 fCU =2 ×44.39×0.564×10 ⁻⁶ ×128×10 ³ =20.14A			
		20.14A	3	3*7.5=22.5A	
2	220kV	1600mm ²	≤ 1km	≤ 0.204 μ F,	30-
	300Hz,	≤ 216kV	3	30	
		14	2	, L=3.3*14*2.59/2=59.829H	
		f=1/2 π √ LC=1/(2 × 3.14 × √ 59.829 × 0.204 × 10 ⁻⁶)=45.56Hz			
		I=2 fCU =2 ×45.56×0.204×10 ⁻⁶ ×216×10 ³ =12.61A			
		12.61A	2	2*7.5=15A	
3	220kV GIS	≤ 490kV		≤ 900pF+500	=1400pF
	1min				
		25	1	, L=15*25*2.59=971.25H	
		f=1/2 π √ LC=1/(2			

1.

1	JLB-36kVA/3kV/6kV	2
a)	36kVA	
b)	3kV/6kV	
c)	12A/6A	
d)		
e)	160kg	
2	JLB-36kVA/24kV	1
f)	36kVA	
g)	1.5A	
h)	24kV	
i)		
j)	190kg	

2.

CTSR-72kW /380V 1

a)	72kW
b)	$380 \pm 10\%$
c)	0 400V
d)	129A

3 ()

4

5

6

7

500

8

1.0%

9

20 350Hz

30-350Hz

10

3.

- 1 DK-3.3H/7.5A 28
- a) 7.5A
- b) $\leq 16\text{kV}$
- c) 3.3H
- d) $Q \geq 35$ (f=45Hz)
- e)
- f) 75kg

2	DK-15H/1.5A	32
g)	1.5A	
h)	$\leq 22\text{kV}$	
i)	15H	
j)	$Q \geq 35$ (f=45Hz)	
k)		
l)	24kg	

4.	FRC-500kV/500pF	1
a)	500kV	
b)	500pF	
c)	$\text{tg } \sigma \leq 0.5\%$	
d)	3000 1	
e)	1.5 ;	
f)	35kg+35kg+25kg	95kg

1		JLB-36KVA/3kV/6kV		2	
		JLB-36kVA/24kV		1	
2		CTSR-72kW/380V		1	
3		DK-3.3H/7.5A			