

Power Transformer Test Report

Product Name: Dry Type Transformer

Product Type: SCB10-800/6-0.4

Product NO.: 2002019

Test Report NO.: 2002019

Test Date: Feb. 24, 2020



TOPSUN - CHINA

1. Main Technical Data

Type:	SCB10-800/6-0.4	Production NO.:	2002019
Rated Capacity(kVA)	800	Phase NO.:	3
Rated Voltage(kV)	6/ 0.4	Rated Frequency(Hz)	50
Rated Current(A)	77.0 / 1154.7	Connection Type:	Dyn11
Winding Material	Al / Al	Temp. class of insulation	F / F
Type cooling	AN	Insulation Level	LI60 AC20/ AC3

2. Tapping Voltage

Tapping position	1	2	3	4	5
High-Voltage Side(V)	6300	6150	6000	5850	5700
Low-Voltage Side(V)	400				

3. Winding Resistance**t= 30°C**

High-Voltage Winding(Ω)					
Tapping position	1	2	3	4	5
AB	0.2614	0.2546	0.2480	0.2413	0.2347
BC	0.2617	0.2550	0.2484	0.2418	0.2352
CA	0.2616	0.2549	0.2483	0.2417	0.2351
Low-Voltage Winding	ab		bc		ca
Phase	0.0007468		0.0007423		0.0007475

4. Voltage Ratio**Error (%)**

Tapping position	1	2	3	4	5
AB/ab	-0.02	-0.01	0	+0.02	0.01
BC/bc	0.01	-0.02	+0.03	+0.04	+0.04
CA/ca	+0.01	0	+0.03	+0.02	+0.04

5.No load and load measurement**t= 30 °C**

No load loss(W)	1940	No load current(%)	0.62
Load loss(W, 120°C)	8890	Short circuit impedance(%)	6.12

6.Insulation resistance measurement(R60)

High-voltage to Low-voltage and earth(M Ω)	Low-voltage to High-voltage and earth(M Ω)	High-voltage to Low-voltage and earth(M Ω)
≥ 1500	≥ 1500	≥ 1500

7.Test of Induction withstand voltage and power-frequency withstand voltage

Input voltage	Inductive voltage(V)	Inductivity (%)	Frequency(Hz)	Test time(s)
800	12000	200	100	60
High-voltage to Low-voltage and earth	20kV	Low-voltage to High-voltage and earth	3KV	60

8. Electricity of localized discharge test

A phase	B phase	C phase
≤ 10 PC	≤ 10 PC	≤ 10 PC

9. Conclusion: This product has been tested in accordance with IEC Standard: IEC-60076 and manufacture's standards.

Inspector	003	Approval	001	TOPSUN - CHINA
				Feb.24, 2020

