Technical Specification and Drawing

400KVA-6.6/0.525KV

DRY TYPE TRANSFORMER

No.2015013

JIANGSHAN SCOTECH ELECTRICAL CO.,LTD

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SCOTECH

No.	Basic information	Unit	Guaranteed
1	Manufacturer		Jiangshan Scotech Electrical Co.,Ltd
2	Standard		IEC60076
3	Type		Resin cast dry type transformer
4	Installation		Indoor
5	Altitude	M	≤1000
6	Rated power	KVA	400
7	Primary voltage	KV	6.6
8	Secondary voltage	KV	0.525
9	Vector group		Dyn11
10	Rated Frequency	HZ	50
11	Cooling		AN/AF
12	Number of windings		2
13	Number of phases		3
14	Type of tap Changer		NLTC
15	Tapping range		±2*2.5%@primary side
16	Impedance	%	4

17	No-load loss	KW	0.97
18	On load loss	KW	4.04
19	**Basic insulation level**		
19.1	Basic impulse lighting withstand voltage-primary side(BIL)	KV	75
19.2	Power Frequency withstand voltage-primary side	KV	28
19.3	Basic impulse lighting withstand voltage-secondary side(BIL)	KV	/
19.4	Power Frequency withstand voltage-secondary side	KV	5
19.5	Winding temperature rise @ rated service condition	K	100
19.6	Insulation level		F
20	**Material**		
20.1	Winding material		AL
20.2	Core material		Grain oriented silicon steel sheet
20.3	Winding structure		Vacuum Pressure Impregnation
21	**Dimension and weight**		
21.1	Overall Dimension(L*W*H)	mm	As per drawing
21.2	Total Weight	KG	As per drawing
22	**Accessories**	**QTY**	**Remarks**

22.1	Temperature controller	1	1. Built-in PT100 probes in 3 phase windings to detect the real-time temperature of windings and cycle display temperature in the digital screen. 2. Circuit open alarm and fault self-check alarm display and output 3. 3 stage actions: a. when the temperature reached to the set value, the cooling fans start automatically at 1st stage, b. high temperature alarm at 2nd stage c. over temperature trip at 3rd stage. 4. Fans manual/auto control switch 5. Fans timing start/stop 6. History data record and output 7. 4-20mA current output(optional) 8. RS485 Modbus communication protocol(optional) 9. Environment temperature measurement function(optional) 10. Core temperature measurement(optional) Please inform us if you need optional function.
22.2	Cooling fans	2	Installed at bottom of the transformer start/stop auto controlled by the temperature controller
22.3	Enclosure	0	Optional device

1LX.710.109.1

HV. Terminal

LV terminal

Dyn11

SCB10-400KVA-6.6/0.525KV	
Dry type transformer	1LX.710.109.1
	Scale 1:15

A3