

# Technical Specification and Drawing

## 1000KVA-5.5/0.4KV

### DISTRIBUTION TRANSFORMER

#### No.2014015

**JIANGSHAN SCOTECH ELECTRICAL CO., LTD**

Add: No.8 Xingong 1<sup>st</sup> Road, Jiangshan, Zhejiang, China

Name: Scott Lee

Tel: +86 13857027511

E-Mail: [info@scotech.com](mailto:info@scotech.com)

Skype: [dragonelectric123](#)

Web: [www.scotech.com](http://www.scotech.com)



## Technical Data Sheet

No.	Basic information	Unit	Guaranteed
1	Manufacturer		Jiangshan Scotech Electrical Co.,Ltd
2	Standard		IEC60076
3	Type		Oil immersed power transformer
4	Installation		Outdoor
5	Altitude	M	$\leq 1000$
6	Rated power	KVA	1000
7	Primary voltage	KV	5.5
8	Secondary voltage	KV	0.4
9	Vector group		Dyn11
10	Rated Frequency	HZ	50
11	Cooling		ONAN
12	Number of windings		2
13	Number of phases		3
14	Type of tap Changer		NLTC
15	Tapping range		$\pm 2*2.5\%$ @primary side

# JIANGSHAN SCOTECH ELECTRICAL CO.,LTD

16	Impedance	%	5
17	No-load loss	KW	1.9
18	On load loss	KW	10.5
19	<b>Basic insulation level</b>		
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	Oil temperature rise @ rated service condition	K	60
19.6	Winding temperature rise @ rated service condition	K	65
20	<b>Material</b>		
20.1	Winding material		Cu
20.2	Core material		Grain oriented silicon steel sheet
20.3	Coolant material		PCB free transformer mineral oil
20.4	HV bushing material		Porcelain
20.5	Neutral bushing material		Porcelain
20.6	LV bushing material		Porcelain

# JIANGSHAN SCOTECH ELECTRICAL CO.,LTD

21	<b>Dimension and weight</b>		
21.1	Transport Dimension(L*W*H)	mm	As per drawing
21.2	Transport Weight	kg	As per drawing
21.3	Overall Dimension(L*W*H)	mm	As per drawing
21.4	Total Weight	kg	As per drawing
22	<b>Others</b>		
22.1	Location of HV bushings		Mounted on side of tank inside HV cable box
22.2	Location of LV bushings		Mounted on side of tank inside LV cable box
22.3	Location of Neutral bushings		Mounted on side of tank inside LV cable box
<b>23</b>	<b>Accessories</b>	<b>QTY</b>	<b>Remarks</b>
23.1	Plate type detachable radiator	1 lot	/
23.2	Oil temperature indicator with alarm and trip contacts	1	/
23.3	Pressure relief valve	1	/
23.4	Oil level indicator	1	/
23.5	Buchholz relay with alarm and trip contacts	1	/
23.6	Oil conservator	1	/
23.7	Breather	1	/

**JIANGSHAN SCOTECH ELECTRICAL CO.,LTD**

23.8	Oil sample valve	1	/
23.9	Oil drain valve	1	/
23.10	Oil filling valve	1	/
23.12	Earthing terminal	1	/
23.13	Terminal box	1	Stainless steel
23.14	Lifting lugs	4	For top cover and whole unit
23.15	Skid base	1	/
23.16	No load tap changer	1	/