

Technical Specification and Drawing

8000KVA-33/6.6/0.4KV

POWER TRANSFORMER

No.2017001

JIANGSHAN SCOTECH ELECTRICAL CO., LTD

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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	≤1000
6	Rated power	KVA	8000
7	HV voltage	KV	33
8	MV voltage	KV	6.6
9	LV voltage	KV	0.4
9	Vector group		Dyn1yn1
10	Rated Frequency	HZ	50
11	Cooling		ONAN
12	Number of windings		3
13	Number of phases		3
14	Type of tap Changer		NLTC

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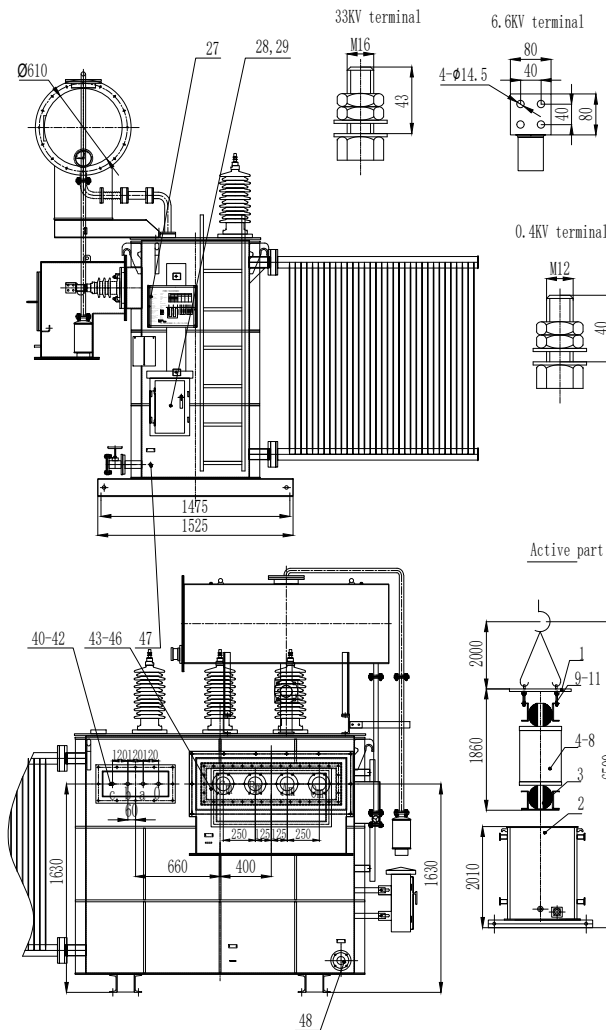
15	Tapping range		$\pm 2*2.5\%$ @primary side
16	Impedance	%	8
17	No-load loss	KW	7.0
18	On load loss	KW	60
19	Basic insulation level		
19.1	Basic impulse lighting withstand voltage- primary side(BIL)	KV	170
19.2	Power Frequency withstand voltage- primary side	KV	70
19.3	Basic impulse lighting withstand voltage- secondary side(BIL)	KV	60
19.4	Power Frequency withstand voltage- secondary side	KV	25/5
19.5	Oil temperature rise @ rated service condition	K	60
19.6	Winding temperature rise @ rated service condition	K	65
20	Material		
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

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20.6	LV bushing material		Porcelain
21	Dimension and weight		
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	Others		
22.1	Location of HV bushings		Mounted on top of tank
22.2	Location of MV bushings		Mounted on side of tank inside cable box
22.3	Location of LV bushings		Mounted on side of tank inside cable box
23	Accessories	QTY	Remarks
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	/

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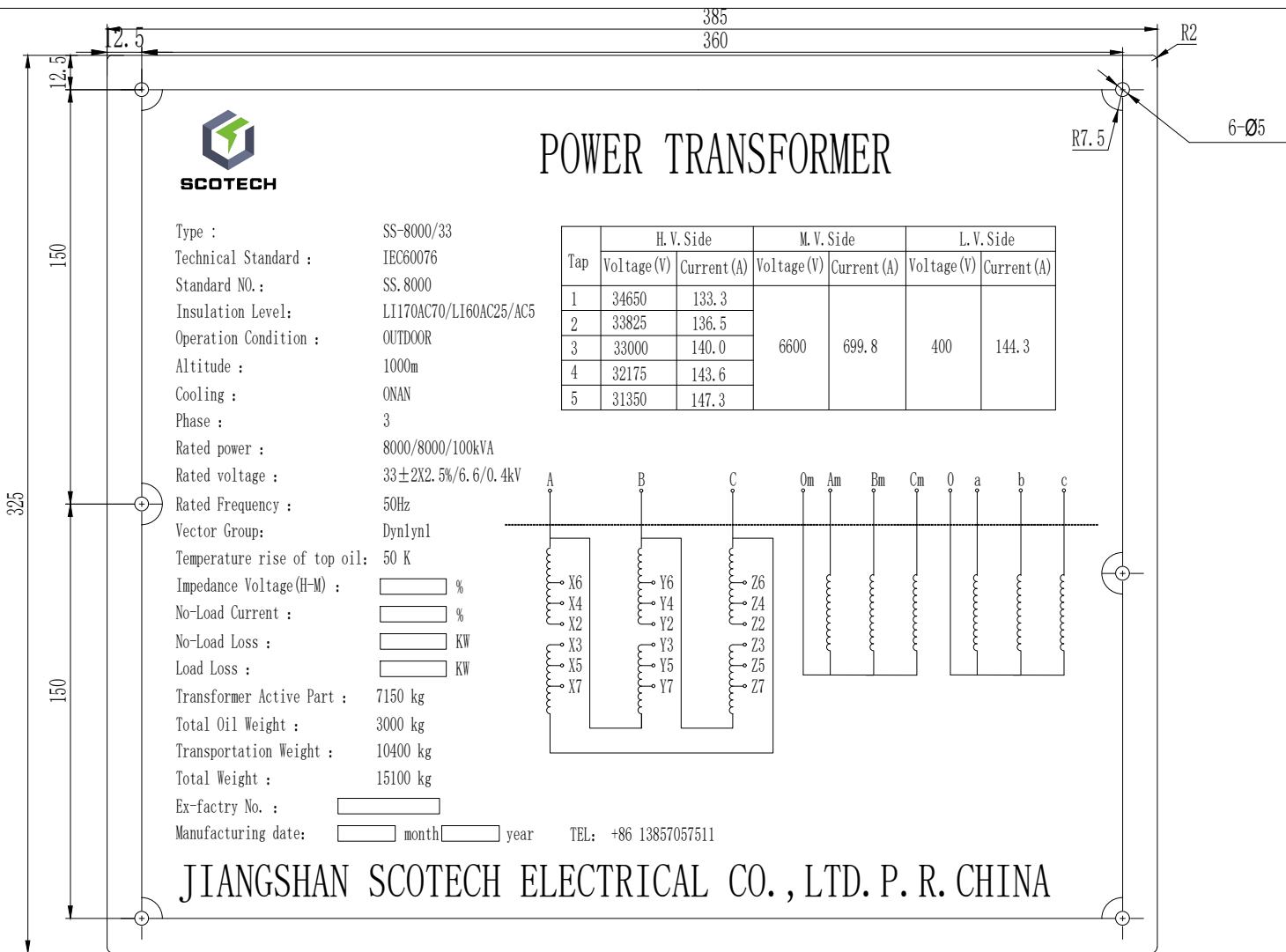
23.7	Breather	1	/
23.8	Oil sample valve	1	/
23.9	Oil drain valve	1	/
23.10	Oil filling valve	1	/
23.12	Earthing terminal	1	/
23.13	Terminal box	1	Stainless steel
23.14	Lifting lugs	4	For top cover and whole unit
23.15	Skid base	1	/
23.16	No load tap changer	1	/



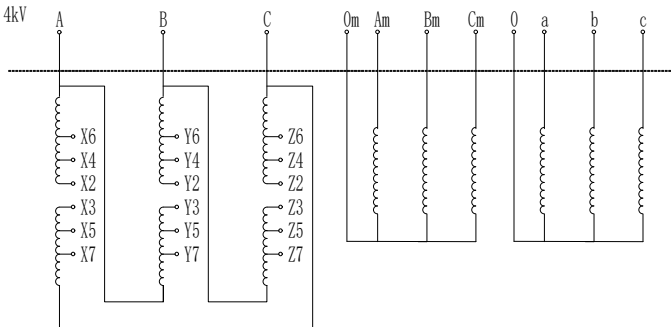
42	SS. 8000. 01/11	LV cable box gaskets	1	
41	SS. 8000. 01/10	LV cable box	1	
40		LV bushing BF-1/300	4	
39		20 spring gasket	54	
38		20 flat gasket	108	
37		20 nut	54	
36		M20x80 bolt	54	
35	SS. 8000. 01/9	Tank sealing gasket	1	
34	SS. 8000. 01/8	LV hand hole gasket	1	
33	SS. 8000. 01/7	LV hand hole plate	1	
32	WSTII-35/125-6×5	NLTC	1	
31	WTYK-803/XMT-288FC	Oil temp controller	1	output 4-20mA signal
30	YSF-55/50	Pressure relief valve	1	
29	SS. 8000. 01/6	Secondary terminal diagram	1	
28		Terminal box	1	stainless steel
27	SS. 8000. 01/5	Name plate	1	
26	SS. 8000. 01/4	Plate radiator connection	2	
25	SS. 8000. 01/3	Plate radiator connection	2	
24	BDZF3-L80/5	Ø80 butterfly valve	12	
23	PC1500-33/520	Plate radiator	6	
22	6BT. 280. 1203. 3	HV bushing BJL-35/300	3	
21		Ø25 Copper valve	1	
20	SS. 8000. 01/2	Supporter	1	
19		1.5kg Breather	1	
18	F(D)50-0.25	tube	1	
17	ZF211.3	Ø50 vacuum butterfly valve	2	
16	QJ4-50	Buchholz relay	1	
15	SS. 8000. 01/1	feets	2	
14	YZF3-140	Oil level indicator	1	
13	Ø620x1610	Capsule	1	
12	5BT. 461. 1305. 12/1	Ø610x1600 conservator	1	
11		36 Nuts	16	
10		36 Gaskets	16	
9		Bolts M36X400/200-120	4	
8	SS. 8000. 09	MV LV Leading	1	
7	SS. 8000. 08	HV leading	1	
6	SS. 8000. 07	HV coil	1	
5	SS. 8000. 06	MV LV coil	1	
4	SS. 8000. 05	Active part insulation	1	
3	SS. 8000. 04	Core assemble	1	
2	SS. 8000. 03	Oil tank	1	
1	SS. 8000. 02	Tank cover	1	
No.	Code	Name	QTY	Remarks

49		Terminal plate	1	
48	BF-50	Main oil drain valve	1	50 copper valve
47		Oil sample valve	1	
46	SS. 8000. 01/14	MV cable box	1	
45	SS. 8000. 01/13	MV bushing leading gasket	1	
44	SS. 8000. 01/12	MV bushing leading cover plate	1	
43		MV bushing BD-10/1000	4	

[illegible]



Tap	H. V. Side		M. V. Side		L. V. Side	
	Voltage (V)	Current (A)	Voltage (V)	Current (A)	Voltage (V)	Current (A)
1	34650	133.3	6600	699.8	400	144.3
2	33825	136.5				
3	33000	140.0				
4	32175	143.6				
5	31350	147.3				



						8MVA 33/6.6(0.4)KV Power transformer NAME PLATE Drawing	SS.8000.01/5			
DESIGNER				APPROVER			Vetifier Remarks	Weight	Scale	
CHECKER										
VERIFIER										
TECHNOLOGIST				DATE						

						8MVA 33/6.6(0.4)KV Power Transformer Secondary terminal drawing			SS. 8000.01/6		
DESIGNER		APPROVER			Vetifier				Remarks	Weight	Scale
CHECKER											
VERIFIER											
TECHNOLOGIST		DATE									