

Technical Specification and Drawing

20MVA-132/11KV

POWER TRANSFORMER

No.2015015

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	20000
7	Primary voltage	KV	132
8	Secondary voltage	KV	11
9	Vector group		YNd1
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		+4*1.25%, -12*1.25%@primary side

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16	Impedance	%	11
17	No-load loss	KW	21
18	On load loss	KW	112
19	Basic insulation level		
19.1	Basic impulse lighting withstand voltage- primary side(BIL)	KV	550
19.2	Power Frequency withstand voltage- primary side	KV	230
19.3	Basic impulse lighting withstand voltage- secondary side(BIL)	KV	75
19.4	Power Frequency withstand voltage- secondary side	KV	28
19.5	Oil temperature rise @ rated service condition	K	55
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
20.6	LV bushing material		Porcelain

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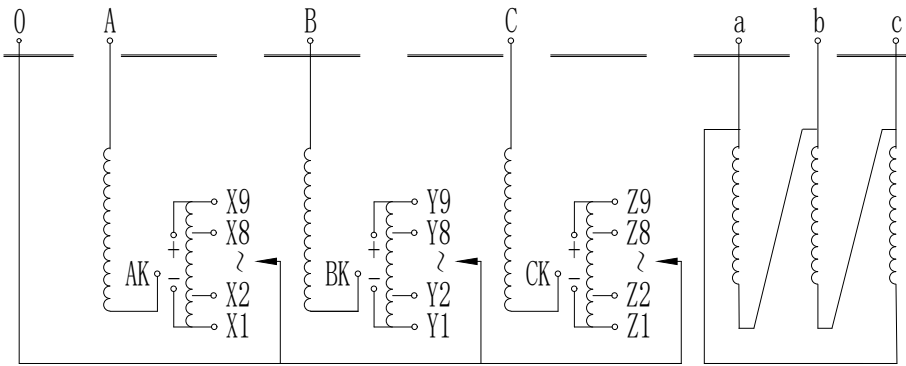
21	Dimension and weight		
21.1	Transport Dimension(L*W*H)	mm	As per drawing
21.2	Transport Weight	kg	As per drawing
21.3	Overall Dimension(L*W*H)	mm	As per drawing
21.4	Total Weight	kg	As per drawing
22	Others		
22.1	Location of HV bushings		Mounted on top of tank cover
22.2	Location of LV bushings		Mounted on top of tank cover
22.3	Location of Neutral bushing		Mounted on top of tank cover
23	Accessories	QTY	Remarks
23.1	Detachable radiator	1 lot	/
23.2	Oil&winding 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	/

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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	On load tap changer	1	Shanghai Huaming Brand



Tap	H. V. Side			L. V. Side	
	Connected Tappings	Voltage (V)	Current (A)	Voltage (V)	Current (A)
1	Ak-A+ Bk-B+ Ck-C+	X1-Y1-Z1	138600	11000	1049.7
2		X2-Y2-Z2	136950		
3		X3-Y3-Z3	135300		
4		X4-Y4-Z4	133650		
5		X5-Y5-Z5	132000		
6		X6-Y6-Z6	130350		
7		X7-Y7-Z7	128700		
8		X8-Y8-Z8	127050		
9		X9-Y9-Z9	125400		
10	↓ ↑	AK-BK-CK	125400		
11	Ak-A - Bk-B - Ck-C -	X1-Y1-Z1	125400		
12		X2-Y2-Z2	123750		
13		X3-Y3-Z3	122100		
14		X4-Y4-Z4	120450		
15		X5-Y5-Z5	118800		
16		X6-Y6-Z6	117150		
17		X7-Y7-Z7	115500		
18		X8-Y8-Z8	113850		
19		X9-Y9-Z9	112200		



Jiangshan Scotech Electrical Co., Ltd
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						SZ11-20000/132 NAME PLATE			SZ11. 20000. 01. MP	
DESIGNER			APPROVER			Vetifier Remarks	Weight	Scale		
CHECKER										
VERIFIER										
TECHNOLOGIST			DATE							

