

Technical Specification and Drawing
6300KVA-33/33KV
POWER TRANSFORMER
No.2014015

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	6300
7	Primary voltage	KV	33
8	Secondary voltage	KV	33
9	Vector group		YNyn0
10	Rated Frequency	HZ	50
11	Cooling		ONAN
12	Number of windings		2
13	Number of phases		3
14	Type of tap Changer		OLTC
15	Tapping range		+4*1.25%,-12*1.25%@primary side

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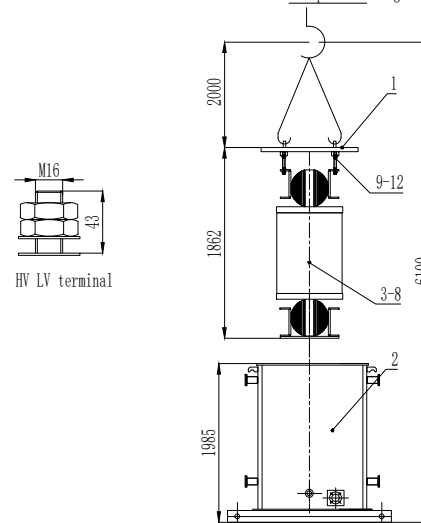
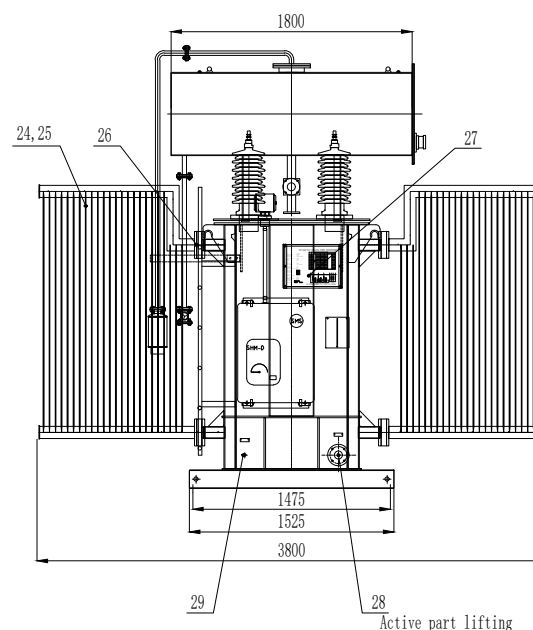
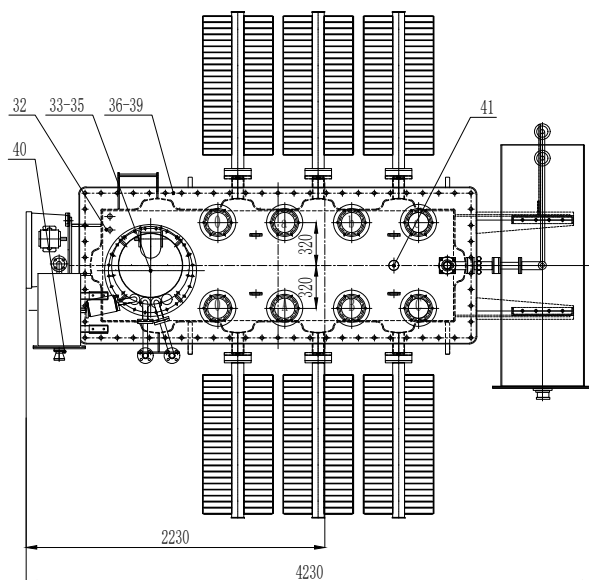
16	Impedance	%	5
17	No-load loss	KW	6
18	On load loss	KW	55
19	Basic insulation level		
19.1	Basic impulse lighting withstand voltage- primary side(BIL)	KV	170
19.2	Power Frequency withstand voltage- primary side	KV	70
19.3	Basic impulse lighting withstand voltage- secondary side(BIL)	KV	170
19.4	Power Frequency withstand voltage- secondary side	KV	70
19.5	Oil temperature rise @ rated service condition	K	50
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
22.2	Location of LV bushings		Mounted on top of tank
22.3	Location of Neutral bushings		Mounted on top of tank
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	/
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



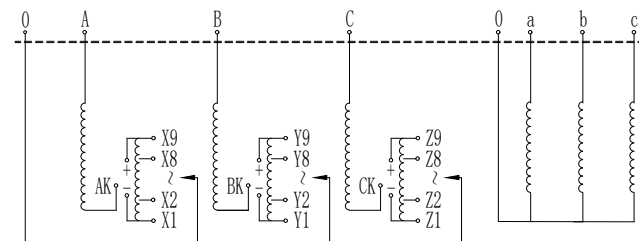
42						Phase plate	1lot			
41	YSF-55/50					Pressure relief valve	1	a pair of contacts		
40	Φ310X500					Vice conservator	1	Include YSF3-140 oil level indicator		
39						20 flat gasket	132			
38						20 Nut、gasket	and 6			
37						M20x80 bolt	66			
36	SZ. 6300.01/6					Tank cover sealing gasket	1			
35	SHM-D					Tap changer operating mechanism	1			
34	Φ580/Φ600*10					Tap changer gasket	1			
33	CVIII-350Y/40.5-10193W					OLTC	1	Shanghai Huaming		
32	WTYK-803/XMT-288FC					Oil temp controller	1	Output 4-20mA signal		
31	SZ. 6300.01/5					Secondary terminal diagram	1			
30						Terminal box	1	Stainless steel		
29						Oil sample valve	1			
28	BF-50					Oil drain valve	1	50 copper valve		
27	SZ. 6300.01/4					Name plate	1			
26	BDZF3-L80/5					Φ80 butterfly valve	12			
25	SZ. 6300.01/3					Radiator connection board	4			
24	PCJ1400(1800)-24/520					Plate radiator	6			
23	SZ. 6300.01/2					Supporter	1			
22						1.5kg Breather	1			
21	DQIII-4					Gas box	1			
20	F(D)50-0.25					corrugated pipe	1			
19	ZF211.3					Φ50 vacuum butterfly valve	2			
18	QJ4-50					Gas relay	1	With contacts		
17	SZ. 6300.01/1					Cabinet feet	1pair			
16	YZF3-140					Oil level indicator	1			
15	Φ620x1810					Capsule	1			
14	5BT. 461. 1305. 12/1					Φ610x1800 Conservator	1			
13	6BT. 280. 1203. 3					HV LV bushings RJL-35/300	8			
12						30 Nut	8			
11						30 Nut	8			
10						30 Flat gasket	16			
9						Bolt M30X290/135-100	4			
8	SZ. 6300.09					LV leading	1			
7	SZ. 6300.08					HV leading	1			
6	SZ. 6300.07					HV coil	1			
5	SZ. 6300.06					LV coil	1			
4	SZ. 6300.05					Active part insulation	1			
3	SZ. 6300.04					Core assemble	1			
2	SZ. 6300.03					Oil tank	1			
1	SZ. 6300.02					Tank cover	1			
No.	Code					Name		QTY	Remark	
						6.3MVA 33/33KV Power transformer			SZ. 6300. 01	



ON-LOAD-TAP-CHANGING POWER TRANSFORMER

Type : SZ-6300/33
Technical Standard : IEC60076
Standard NO. : SZ. 6300
Insulation Level: LI170AC70/LI170AC70
Operation Condition : OUTDOOR
Altitude : 1000m
Cooling : ONAN
Phase : 3
Rated power : 6300kVA
Rated voltage : $33 \pm \frac{4}{12} X1.25\%/33kV$
Rated Frequency : 50Hz
Vector Group: YNyn0
Temperature rise of top oil: 50 K
Impedance Voltage : %
No-Load Current : %
No-Load Loss : KW
Load Loss : KW
Transformer Active Part : 6200 kg
Total Oil Weight : 4000 kg
Transportation Weight : 12000 kg
Total Weight : 16000 kg
Ex-factory No. :
Manufacturing date: month year
TEL: +86 13857027511

Tap	power (KVA)	H. V. Side			L. V. Side	
		Connected Tappings	Voltage(V)	Current(A)	Voltage(V)	Current (A)
1	6300	X1-Y1-Z1	34650	105.0	33000	110.2
2	6300	X2-Y2-Z2	34237.5	106.2		110.2
3	6300	X3-Y3-Z3	33825	107.5		110.2
4	6300	X4-Y4-Z4	33412.5	108.9		110.2
5	6300	X5-Y5-Z5	33000	110.2		110.2
6	6300	X6-Y6-Z6	32587.5	111.6		110.2
7	6300	X7-Y7-Z7	32175	113.0		110.2
8	6300	X8-Y8-Z8	31762.5	114.5		110.2
9a	6300	X9-Y9-Z9	31350	116.0		110.2
9b	6300	AK-BK-CK	31350	116.0		110.2
9c	6300	X1-Y1-Z1	31350	116.0		110.2
10	6216	X2-Y2-Z2	30937.5	116.0		108.8
11	6133	X3-Y3-Z3	30525	116.0		107.3
12	6050	X4-Y4-Z4	30112.5	116.0		105.8
13	5967	X5-Y5-Z5	29700	116.0		104.4
14	5884	X6-Y6-Z6	29287.5	116.0		102.9
15	5802	X7-Y7-Z7	28875	116.0		101.5
16	5719	X8-Y8-Z8	28462.5	116.0		100.1
17	5636	X9-Y9-Z9	28050	116.0		98.6



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						6.3MVA-33/33KV			SZ. 6300. 01/4	
						NAME PLATE				
DESIGNER				APPROVER				Vetifier Remarks	Weight	Scale
CHECKER										
VERIFIER										
TECHNOLOGIST				DATE						

