

CHANGE

GSL-Z-500/2.4/0.208

DWG. NAME	General Assembly Drawing
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DRAWN	CHECKED	CHECKED		APPROVED
W.Zhou	S.F.Zhou	X.Z.Xu		B.Dong

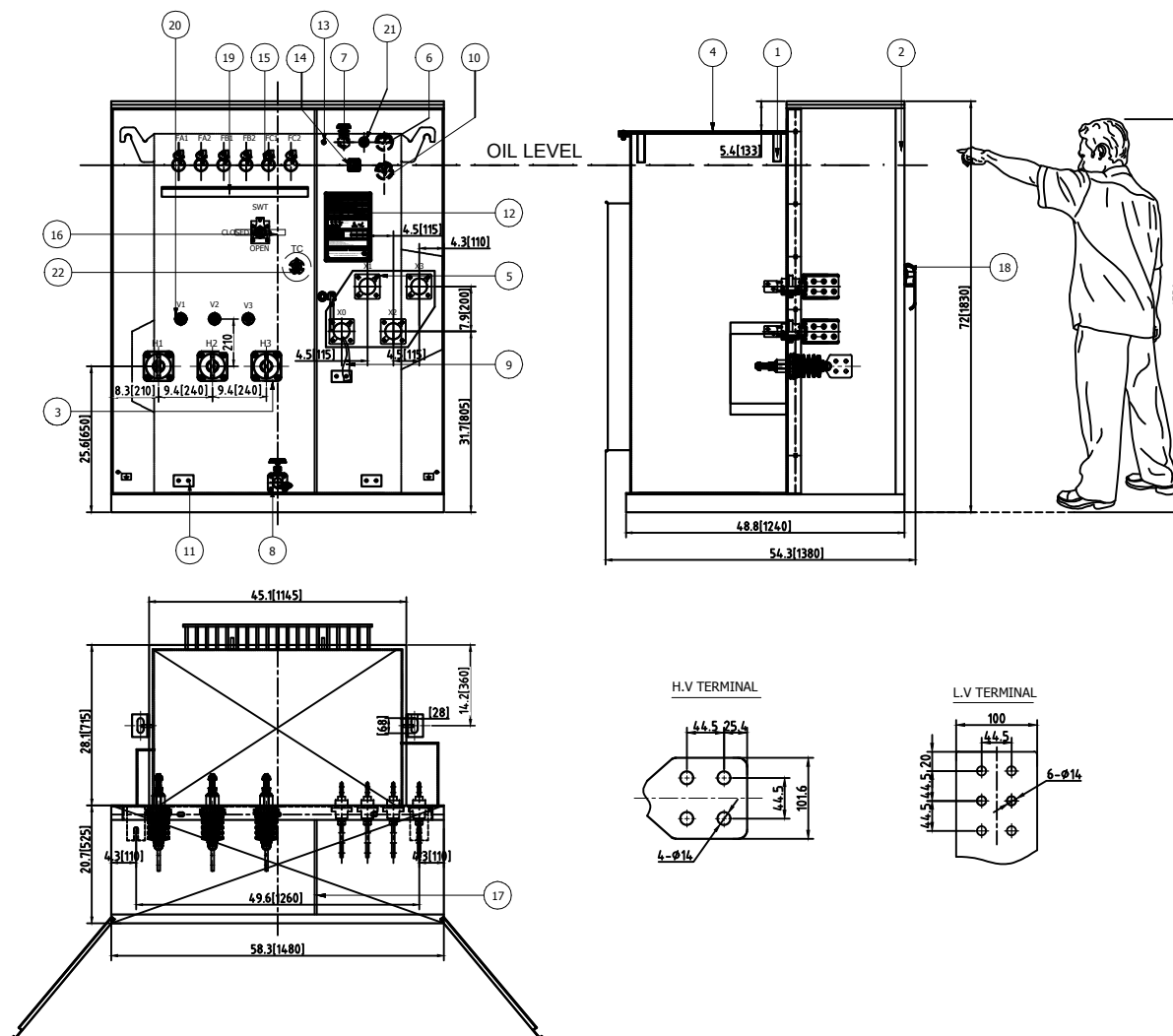
FIRST ANGLE PROJECTION	SCALE	1
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REV.
NO.2

TECHNICAL DATA	
RATING	500kVA
PRIMARY VOLTAGE(V)	2,400 Delta
SECONDARY VOLTAGE(V)	208GrdY/120
FREQUENCY	60Hz
VECTOR GROUP	Dyn1
MAT H.V.&L.V.	ALUMINUM
LOAD LOSS AT RATED VOLTAGE	4,640W
NO LOAD LOSSES	560W
IMPEDANCE	5.0%
ALTITUDE	≤1,000m
COLOR	Munsell 7GY3.29/1.5

ITEM	WEIGHT
TANK & ACCESSORIES	750Kg [1,655lbs]
TOTAL OIL WEIGHT	950L[250GAL]
TOTAL WEIGHT	2,700Kg [5,950lbs]

PARTS LIST		
ITEM	DESCRIPTION	QTY
1	LIFTING LUG	4
2	HINGED DOOR	2
3	H.V BUSHING(10KV 1000A 4 Hole)	3
4	TOP COVER	1
5	LV BUSHING(FTG1-1/2000 6 HOLE)	4
6	VACUUM PRESSURE GAUGE(Y100)	1
7	1" UPPER FILL VALVE	1
8	1"DRAIN VALVE WITH 3/8" SAMPLER	1
9	GROUND STRAP COPPER	1
10	OIL TEMPERATURE INDICATOR (WSS-401)	1
11	GROUND STEEL PADS	3
12	NAME PLATE(STAINLESS STEEL)	1
13	PRESSURE RELIEF VALVE	1
14	OIL LEVEL INDICATOR (UHZ-01)	1
15	BAYONET FUSE AND ISO-LINK(4038361C04CB)	6
16	TWO POSITION LOADBREAKE SWITCH	1
17	RIGID BARRIER BETWEEN H.V & L.V	1
18	DOOR HANDLE	1
19	DRIP TRAY	1
20	UNDER-OIL ARRESTER WITH ISOLATION SWITCH (6KV)	3
21	FILL PLUG(2 INCH)	1
22	TAP CHANGER(WSLII3 125/20-6×5)	1



NOTE:

- 1.ALL DIMENSIONS ARE IN MILLIMETERS
- 2.MATERIAL:STAINLESS STEEL
- 3.THICKNESS :1mm
- 4.LETTER COLOR: BLACK

200

180

4xØ8

THREE PHASE RADIAL FEED PAD MOUNTED TRANSFORMER

VOLTAGE RATING		RATED FREQUENCY	60Hz	DOE COMPLIANT	
H.V	2400Delta	COOLING METHOD	ONAN	EFFICIENCY VALUE	99.35%
X.V	208GrdY/120				
INSULATION LEVEL(kV)		% IMPEDANCE		WEIGHT	
H.V BIL	75	H.V-X.V	% AT 500kVA	TOTAL	5950 lbs
X.V BIL	30	SOUND LEVEL	0.5 MVA BASE 55 dB	INSULATING OIL	250 GAL
X.V.N BIL	30				
kVA RATING		MATERIAL		TEMPERATURE RISE (ONAN)	
65°C		INSULATING OIL	MINERAL OIL PCB FREE	OIL	65°C
500		CONDUCTOR	ALUMINUM	WINDING	65°C
BAYONET FUSE		4038361C04CB		ISO-LINK	3001861A05M

2 POS. LB SWITCH
BAYONET FUSE
6KV

DE-ENERGIZE TRANSFORMER
BEFORE OPERATING TAP CHANGER

VECTOR GROUP [Dyn1]

VOLTS(V)	AMPS(A)	BETWEEN	VOLTS(V)	AMPS(A)	BETWEEN
2520	114.55	H1 H2 H3	208	1387.9	X1 X2 X3
2460	117.35				
2400	120.28				
2340	123.37				
2280	126.61				
			120	1387.9	X X0

MAX TANK PRESS POS 10 PSI NEG 8 PSI
 FLUID LEVEL 10.0 INCHES FROM TOP OF HAND HOLE AT 25°C
 LEVEL CHANGES 0.4 INCH PER 10°C
 TANK DESIGNED 7 PSI VACUUM FILLING
 Designed for 500 kVA when energized at 2280 volts
 With tap changer in 2400 volt position for 208 secondary voltage
 CONTAINS NO DETECTABLE LEVELS OF PCB (LESS THAN 2PPM) AT THE TIME OF MANUFACTURE

APPLIED STANDARD : IEEE Std C57.12.34

LINE MFG.NO.:

SERIAL NO.

DATE OF MFG.

MADE IN CHINA JIANGSU DAELIM ELECTRIC CO., LTD.

Tel:+86 10 65003129 www.daelim-electric.com

CHANGE

TYPE
ZGSL-Z-500/2.4/0.208

DWG. NAME
Name Plate

FIRST ANGLE PROJECTION

SCALE 1/2

DRAWN CHECKED CHECKED APPROVED

W.Zhou S.F.Zhou X.Z.Xu B.Dong



REF. DWG. NO.

DWG. NO.

8LD.860.20635T

REV. NO.2

