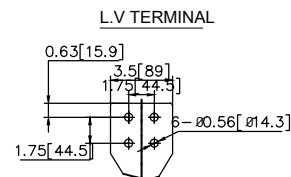
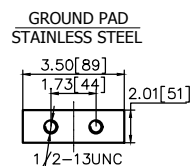
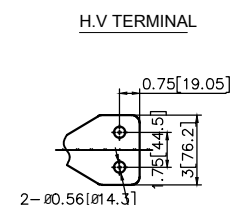
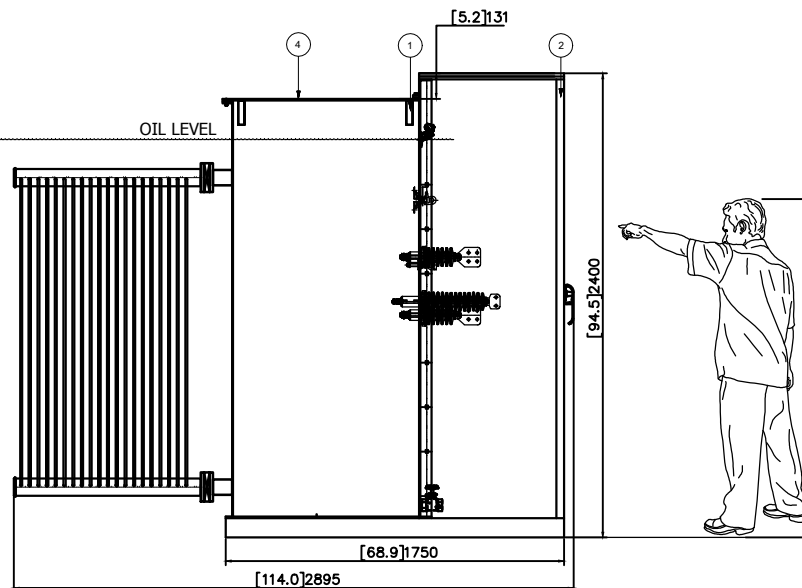
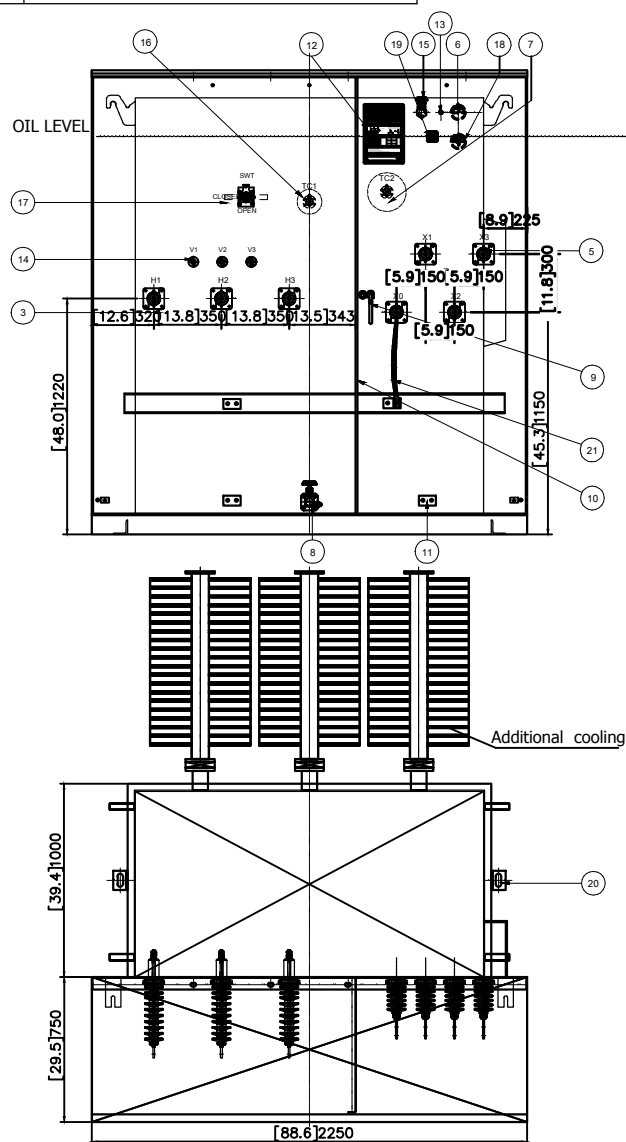


CHANGE



TECHNICAL DATA	
RATING	3750kVA
PRIMARY VOLTAGE(V)	34500 DELTA
SECONDARY VOLTAGE(V)	13200GRDY/7620
FREQUENCY	60Hz
VECTOR GROUP	Dyn1
WINDING MATERIAL	ALUMINUM
LOAD LOSS AT RATED VOLTAGE	27,000W
NO LOAD LOSSES	4,500W
IMPEDANCE	6.5%
ALTITUDE	≤1,500m
No. OF TAP POSITION	7
COLOR	Munsell 7GY3.29/1.5

ITEM	WEIGHT
TANK & ACCESSORIES	2,400Kg [5,290lbs]
OIL OF VOLUME	2678L [707GAL]
TOTAL WEIGHT	9,060Kg [19,974lbs]

PARTS LIST		
ITEM	DESCRIPTION	QTY
1	LIFTING LUG	4
2	HINGED DOOR	2
3	HV PORCELAIN BUSHING(35kV,2 HOLES,BIL:150kV)	3
4	TANK COVER	1
5	L.V BUSHING(15kV,417A,4 HOLES,BIL:95kV)	4
6	VACUUM PRESSURE GAUGE (Y100)	1
7	TAP CHANGER(WSLII 250 / 20-4×3LS)	1
8	1"DRAIN VALVE WITH 3/8" SAMPLER	1
9	DOOR HANDLE	1
10	RIGID BARRIER BETWEEN H.V & L.V	1
11	GROUND STEEL PADS	4
12	NAME PLATE	1
13	PRESSURE RELIEF VALVE	1
14	UNDER-OIL ARRESTER DISCONNECTOR (36KV)	3
15	1" UPPER FILL VALVE WITH SCHADER VALVE	3
16	TAP CHANGER(WSLII 63 / 35-8×7)	1
17	TWO POSITION LOADBREAKER SWITCH	1
18	OIL TEMPERATURE INDICATOR (WSS-401)	1
19	OIL LEVEL GAUGE(UHZ-01)	1
20	MOUNTING BRACKET	2
21	GROUND STRAP COPPER	1

TYPE
ZGSL-Z-3750/34.5-13.2

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

ED	FIRST ANGLE PROJECTION	SCALE	
OU			REV. NO.

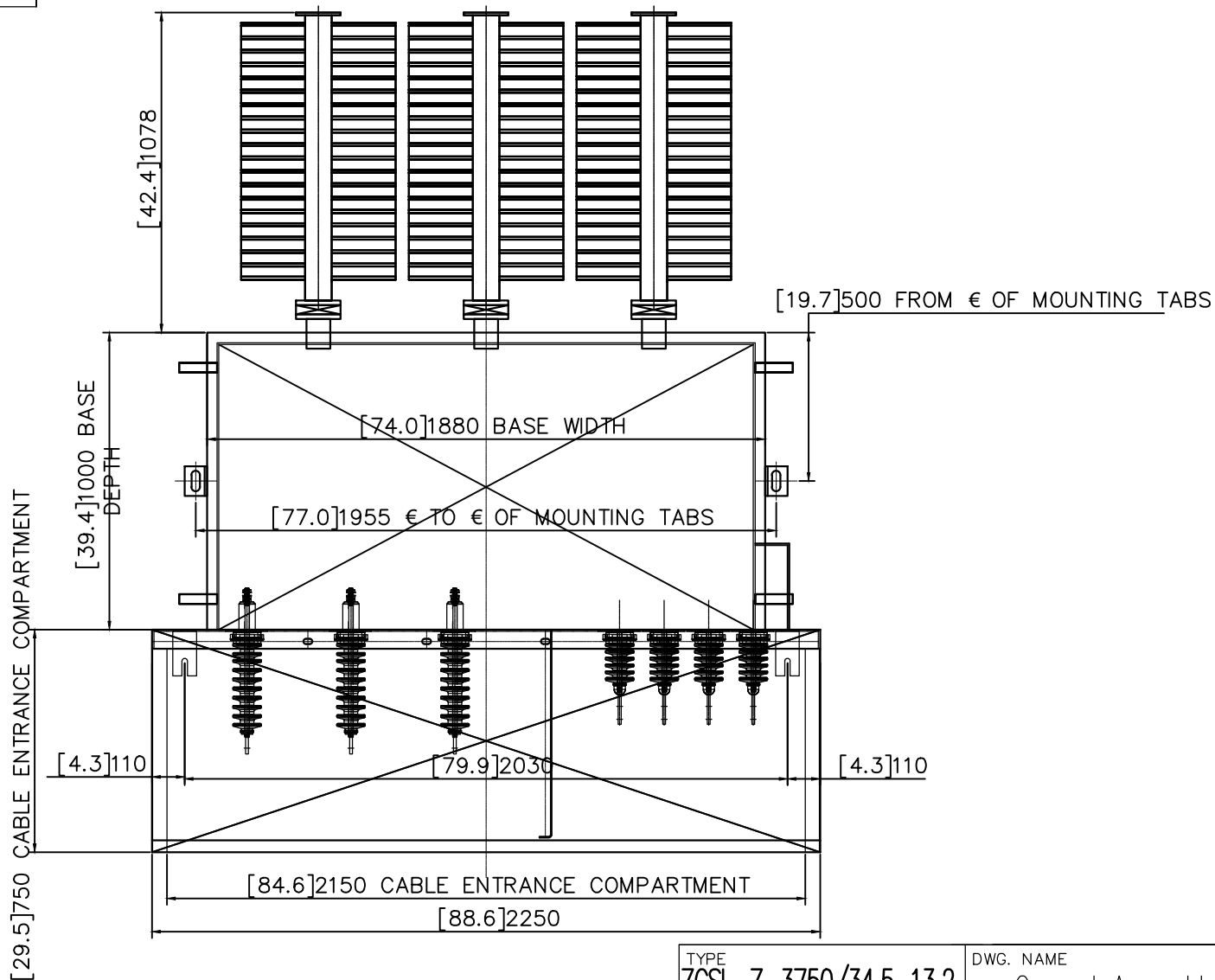
1LD.710.21637T

REV
NO.

DWG.
NO.

1LD.710.21637T

TOP VIEW OF BASE & HV-LV COMPARTMENT



TYPE
ZGSL-Z-3750/34.5-13.2

DWG. NAME
General Assembly Drawing

DRAWN	CHECKED	CHECKED	APPROVED
W.Zhou	Jack.Wu	X.Z.Xu	S.F.Zhou

FIRST ANGLE PROJECTION	SCALE	A3(420X297mm)
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REV.
NO.

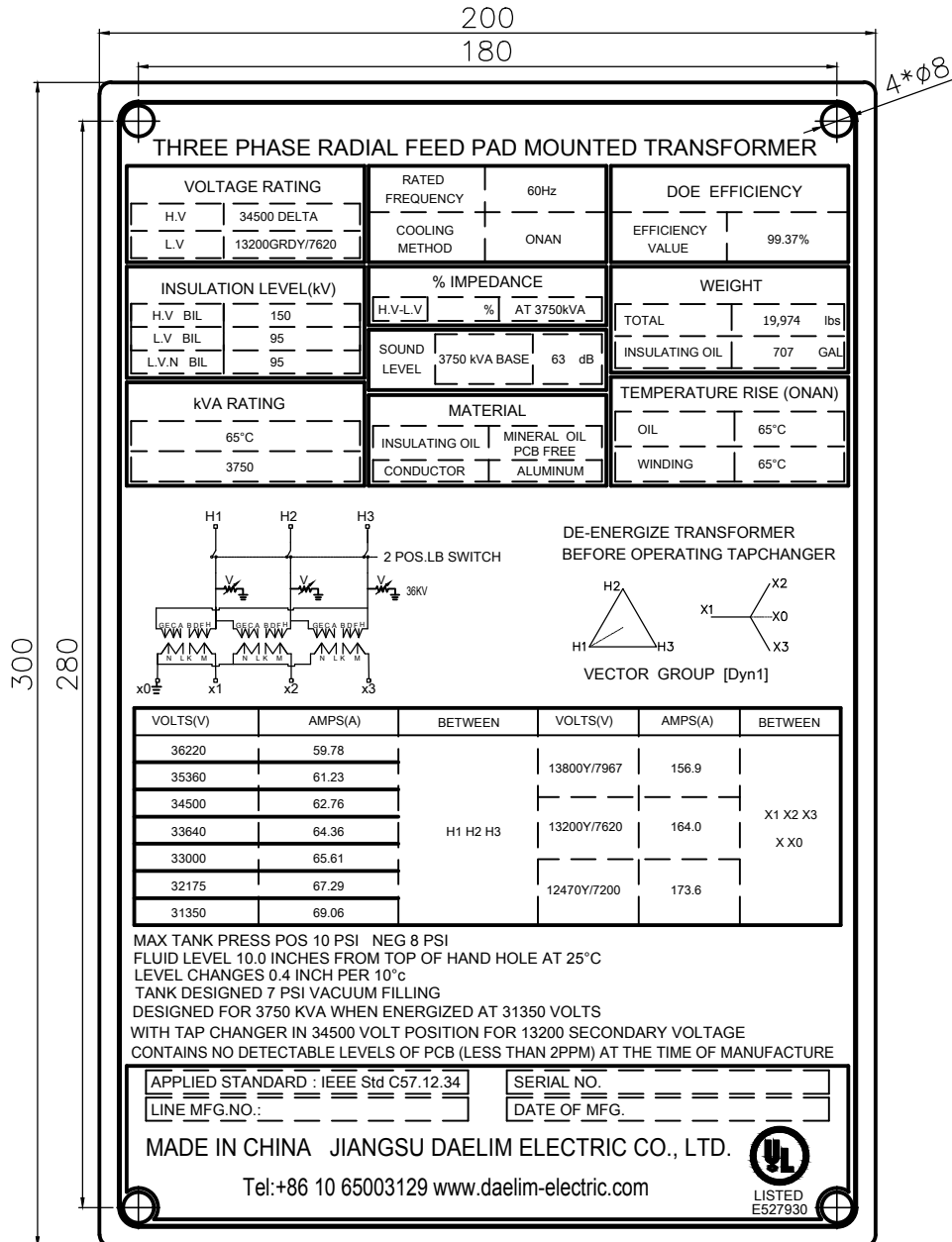
1

1LD.710.21637T

CHANGE

NOTE:

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



CHANGE

TYPE
ZGSL-Z-3750/34.5-13.2

DWG. NAME
Name Plate

FIRST ANGLE
PROJECTION

SCALE

DRAWN

CHECKED

CHECKED

APPROVED

W.Zhou

Jack.Wu

X.Z.Xu

S.F.Zhou



REF.
DWG.
NO.

DWG.
NO.

8LD.860.21637T

REV.
NO.



THREE PHASE RADIAL FEED PAD MOUNTED TRANSFORMER

VOLTAGE RATING	
H.V	34500 DELTA
LV	13200GRDY/7620

RATED FREQUENCY	60Hz
COOLING METHOD	ONAN

EFFICIENCY	
EFFICIENCY VALUE	99.37%

INSULATION LEVEL(kV)	
H.V BIL	150
LV BIL	95
LV.N BIL	95

% IMPEDANCE		
H.V-LV	7.23 %	AT 3750KVA

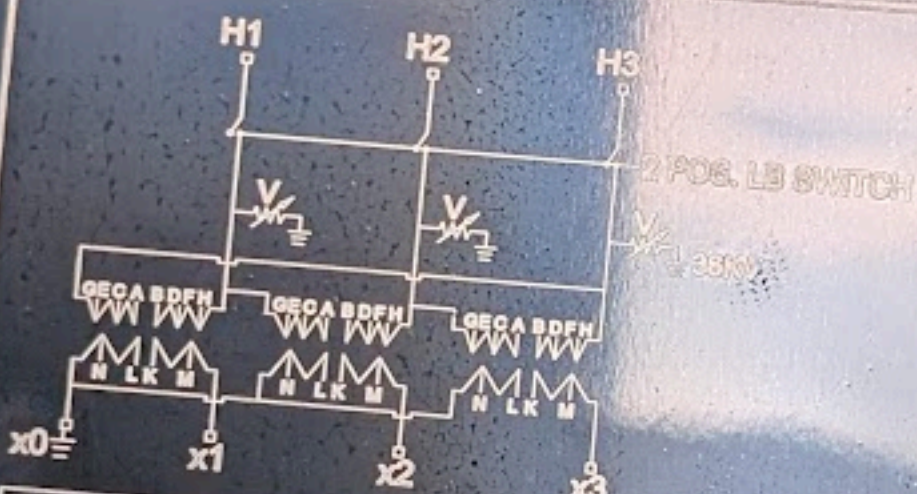
SOUND LEVEL	3750 KVA BASE	63 dB
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WEIGHT	
TOTAL	19,974 lbs
INSULATING OIL	707 GAL

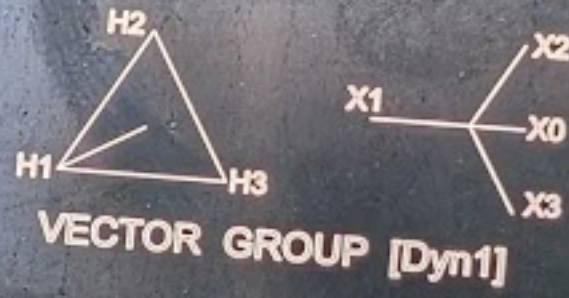
KVA RATING	
65°C	
3750	

MATERIAL	
INSULATING OIL	MINERAL OIL PCB FREE
CONDUCTOR	ALUMINUM

TEMPERATURE RISE (ONAN)	
OIL	65°C
WINDING	85°C



DE-ENERGIZE TRANSFORMER BEFORE OPERATING TAPCHANGER



VOLTS(V)	AMPS(A)	BETWEEN	VOLTS(V)	AMPS(A)	BETWEEN
36220	59.78	H1 H2 H3	13800Y/7967	156.9	X1 X2 X3
35360	61.23		13200Y/7620	164.0	
34500	62.76		12470Y/7200	173.6	
33640	64.36				X X0
33000	65.61				
32175	67.29				
31350	69.06				

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 3750 KVA WHEN ENERGIZED AT 31350 VOLTS
 WITH TAP CHANGER IN 34500 VOLT POSITION FOR 13200 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. 21637T DL241252
 DATE OF MFG. October 2024

MADE IN CHINA JIANGSU DAELIM ELECTRIC CO.,LTD.

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



LISTED E527930


DALLIN TRANSFORMER
Electric
with an Edge
www.dallintransformer.com 763.475.4000

NON - PCB
MINERAL OIL
WHICH MAY BE PRESENT
CONTAINED LESS THAN
1 PPM PCB

12650

⚠ DANGER

Keep Out!
Hazardous voltage
inside.
Will shock, burn, or
cause death.
If open, unlocked, or
damaged, immediately
call your local electric
power company.





• 19974LBS

UNIT 103

HIGH VOLTAGE

SWT
CLOSED OPEN

TC₁

V1

V2

V3

H₁

H₂

H₃

⊥

⊥



[illegible]

TC2





CLOS

V1

V2

H2

TC2

X0

X2

X3