



HAN CHANG TRANS

H2



HA 20100 200 100  
20100 200 100  
100 20 1000

H3



HA 20100 200 100  
20100 200 100  
100 20 1000



X2

X1

300kVA

22900-400/230V

Pad Mounted  
TRANSFORMER

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By IEC

# HAN CHANG

## 300kVA, 22900V YWE – 400/230V YWE PAD MOUNTED TRANSFORMER

### SPECIFICATION

Applicable standard	IEC 61099
Final paint color	Munsell # 5Y 7/1
Insulating oil	Mineral
Rated capacity	300 kVA (winding temp rise 65°C)
Phase/Rated frequency	3P / 60Hz
Rated voltage H.V	22900V WYE
Rated voltage L.V	400/230V WYE
Tap voltage	3 TAPS (23900-22900-21900)
Tap changing method	NLTC
Connection or polarity	Yyn0
Cooling method	ONAN
Efficiency at 50%	98.4%

### SIZE

Length	1250 mm
Width	1500 mm
Height	1400 mm

### WEIGHT

Core&Coil	390 kg
Tank	458kg
Oil	280 liter
Total	1086 kg

### CORE & COIL



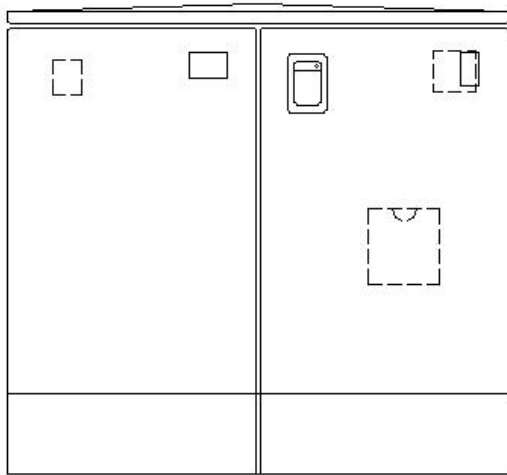
# HAN CHANG

300kVA, 22900V YWE – 400/230V YWE  
PAD MOUNTED TRANSFORMER

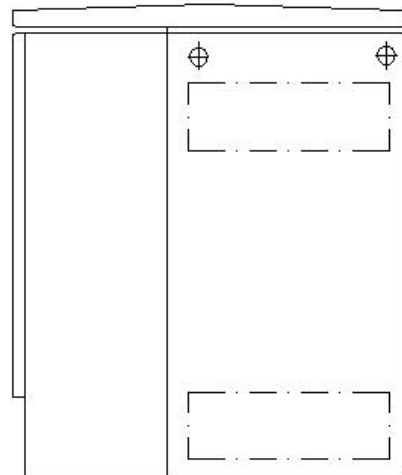
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## OUT LINE

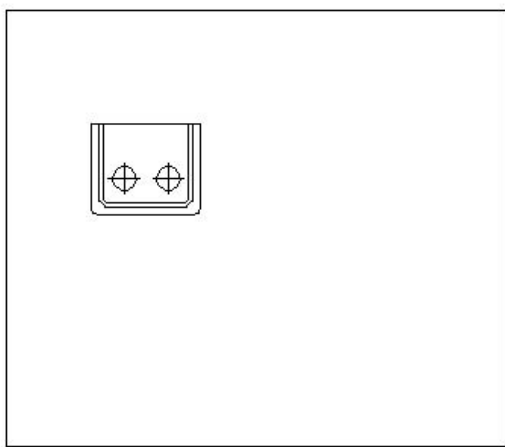
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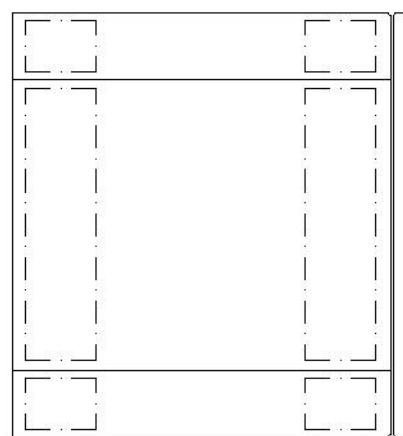
Front view



Side view



Top view



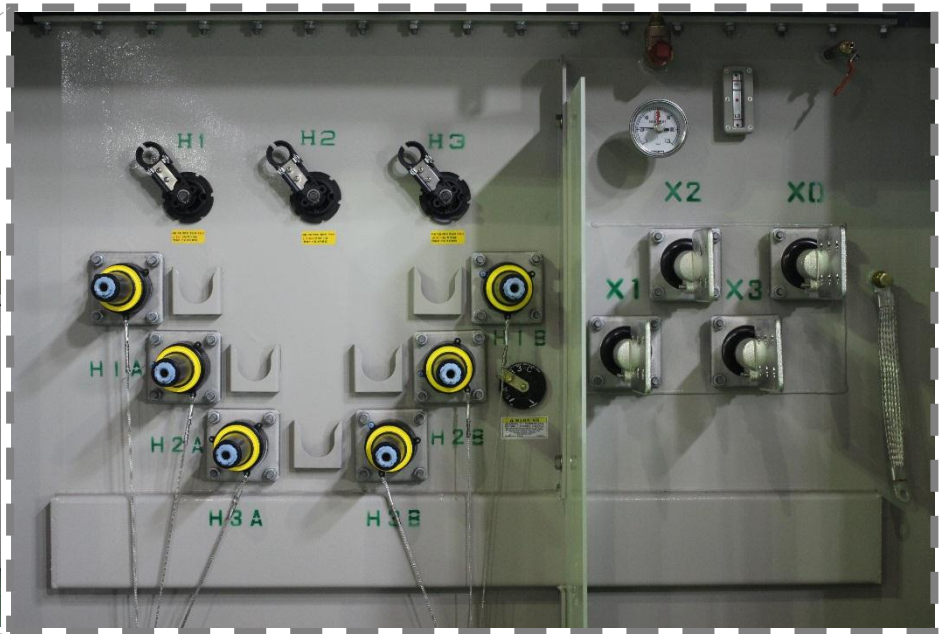
Bottom view

# HAN CHANG

300kVA, 22900V YWE – 400/230V YWE  
PAD MOUNTED TRANSFORMER

## Product View

Front view



Front door view

Side & Rear view

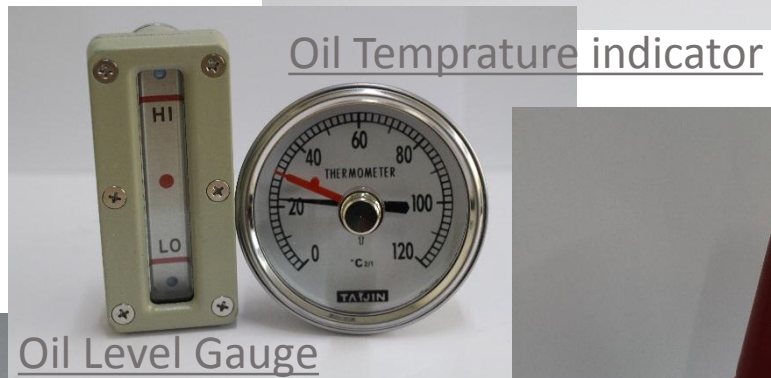
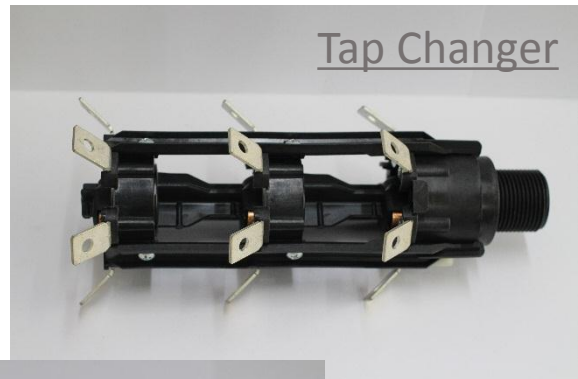




# HAN CHANG

300kVA, 22900V YWE – 400/230V YWE  
PAD MOUNTED TRANSFORMER

## Parts View



## HAN CHANG TRANSFORMER

## Parts applicable in Pad Transformer

## PARTS LIST

No	Part name	Specification	Qty	Unit	Remark
1	HV bushing Well	125BIL, 200A	6	EA	Pyungil
2	Hv bushing Insert	125BIL, 200A	6	EA	Pyungil
3	LV bushing	1.2kV, 800~3140A, 6Hole	4	EA	Pyungil
4	Tap Changer	3P, 125BIL, 3 step	1	EA	ABB
5	Loadbreak switch	12A	1	EA	CPS
6	Bay-O-Net fuse	35A, 40A	3	EA	CPS
7	Oil Temperature Indicator	0~150°C	1	EA	TAIJIN
8	Oil Level Gauge	Ø70	1	EA	TAIJIN
9	Pressure Vaccum Gauge	±10 PSIG	1	EA	Heartland
10	Pressure relief Valve	1/4 inch, 18NPT	1	EA	Heartland
11	Filling Valve	1 inch	1	EA	Yungdong
12	Drain Valve	1 inch with sampler	1	EA	HJ-Enterprises
13	Radiator	Corrugated Finwall	1	EA	HanChang

# HAN CHANG TRANSFORMER

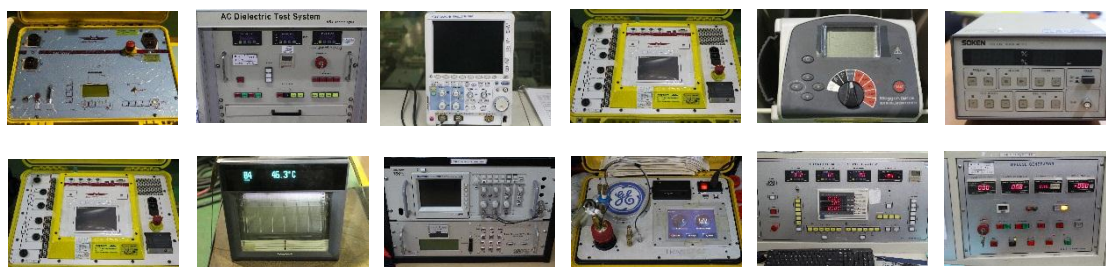
## Self test list in HanChang

### Routin Test

No	Tests	On about
1	No load test	No load current, loss
2	Load test (at75°C)	Load loss, Impedance
3	Voltage regulation	P.F = 1.0, %
4	Efficiency	100% Load, %
5	Winding resistance	HV, LV
6	Insulation resistance	HV-LV, HV-Earth, LV-Earth
7	Separate source voltage withstand test	HV-LV & Earth, LV-HV & Earth
8	Induced voltage withstand test	LV winding
9	Temperature rise test	Windings, Insulation oil
10	Ratio test	Tap voltage
11	Check of voltage vector relationship	Diagram

### Extra Test

No	Tests	On about
1	DGA test	Disposal Gas Analysis
2	PD test	Partial Discharge
3	Power Factor Test	Power factor
4	Noise Test	Db



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