

# Pole Top

SINGLE PHASE POLE MOUNTED TRANSFORMERS



Distribution Transformers

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## PRODUCT DATA SHEET

Revised	2
Document No.	904 - 0090

ETEL has brought over 25 years of experience in Distribution Transformers together with state of the art manufacturing techniques to produce high quality, low loss single phase Polemounted Transformers.

The Small Capacity Single Phase Pole Top Selection includes platform and pole bolted arrangements from 10kVA through to 30kVA (50 - 150kVA available in rectangular housing) as utilised in New Zealand, Australia and the Pacific Islands.

ETEL offers as standard the best long-term finish, utilising fully hot dipped galvanised tanks and lids. Painted and other solutions are available.



## FEATURES

- Integrated pole brackets and spacer bars
- Cylindrical housing
- Lid mounted HV bushings
- Long life hot dipped galvanized finish
- 10 to 30kVA
- HV and LV Eyebolt Terminations standard (other options available)

## TECHNICAL SPECIFICATIONS

<b>Core Type</b>	: Distributed gap wound core, shell type transformers
<b>Electrical Steel Type</b>	: Cold rolled, grain oriented, silicon steel sheets.
<b>Tank Sealing</b>	: Hermetically sealed.
<b>Oil Type</b>	: Oil filled to BS148 and AS1767
<b>HV Volts</b>	: 11000, 22000, 33000
<b>LV Volts</b>	: 480 - 240V (series – parallel) 500 - 250V (series – parallel) standard, others available.
<b>HV Tappings</b>	: +5% to -7.5% in 2.5% steps. As standard.
<b>Oil / Winding Rises</b>	: 60 / 65°C
<b>BIL / Power Frequency Levels</b>	: 95kVpeak / 28kVrms 150kVpeak / 50kVrms 200kVpeak / 70kVrms
<b>Maximum Operating Pressure</b>	: 35kPA

ITEM	DESCRIPTION
1	HV 11kV 4 SHED BUSHING ESAA No715 EYE BOLT 35mm <sup>2</sup>
2	LV BUSHING 415V ESAA No71
3	TAPSWITCH HANDLE & LOCKING BRACKET
4	RATING PLATE
5	CROSS ARM POLE MOUNTING BRACKET
6	LIFTING LUG
7	EARTH = M12 STAINLESS STEEL SET SCREW
8	SERIES / PARALLEL LINK

  

kVA	DIM "A"	OIL Litres	UNTANKING MASS kg	TOTAL kg
10	790mm	4.5	69	146
15	790mm	4.7	75	155
30	1030mm	5.5	135	230

  
  

REV	DESCRIPTION	DRAWN	DATE	APPD.	DATE	DRAWN	DATE
B	REVISED CROSS ARM POLE MOUNTING BRACKET	PAULLR	05/08/05	S.R.	19/10/00	S.ROBINSON	19/10/00
C	Ø12 HOLE ADDED TO LIFT LUG FOR SURGE ARRESTOR EARTH	A.R.	18 JAN 07	SR	P.LEECE	P.LEECE	
D	MODIFY WEIGHT TABLE	VS	23/4/08	NU	19/10/00		
					SCALE	1=1/5	
					TOLERANCE	+/- 2mm	

  

GENERAL ARRANGEMENT  
1Ø 11kV TRANSFORMER  
10kVA 15kVA 30kVA

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