ISO 9001 Registered

Data Sheet

1 kVA Pole Top

SINGLE PHASE 'FIXED RATIO' POLE MOUNTED TRANSFORMER

ETEL Distribution Transformers

PRODUCT DATA SHEET	Revised	1
	Document No.	904.0079

ETEL have designed a fixed ratio, low kVA, single phase oil filled Distribution Transformer typically used under small loads, such as automation of outdoor switches, or an isolated street (or sign light).

The transformer has a fixed ratio to reduce the voltage from 11000 down to 240 volts (unloaded), and is useful in rural or remote areas, where no 240 volt supply is available.

The 1kVA Pole Top line includes 2 backup fuses (0.4 amps) internally mounted, connected in series with leads from the 11kV winding.

Cost efficiencies can be gained by using the ETEL '1 kVA, fixed ratio pole top transformer', rather than using a larger (tapped) Distribution Transformer.

ETEL offer as standard the best Long-term finish, utilising fully Hot Dipped Galvanised Tanks and lids.

FEATURES

- **Integrated pole bracket and steel spacer bkt**
- **Lid mounted HV bushings**
- **Long life hot dipped galvanized finish**
- **Ultra Small 1 kVA design**
- **HV Eyebolt Terminations**
- **Low loss electrical design**
- **HV Bushing fuses for backup protection**

TECHNICAL SPECIFICATIONS

Core Type	: Distributed gap wound core, shell type transformer
Electrical Steel Type	: Cold rolled, grain oriented, silicon steel sheets.
Tank Sealing	: Hermetically sealed.
Oil Type	: Oil filled to BS148 and AS1767
HV Volts	: 11000
LV Volts	: 240V
HV Tappings	: NOT AVAILABLE
Oil / Winding Rises	: 60 / 65°C
BIL / Power Frequency Levels	: 95kVpeak / 28kVrms
Maximum Operating Pressure	: 35kPA
HV Bushing Fuses (for backup protection)	: 0.4 Amps in-line fuse mounted inside each HV bushing. Expulsion type.

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1 kVA Pole Top

SINGLE PHASE 'FIXED RATIO' POLE MOUNTED TRANSFORMER

ITEM	DESCRIPTION
1	HV 11kV 4 SHED BUSHING ESAA No75 EYE BOLT 35mm²
.	WITH 1 A 11kV FUSES INTERNALLY FITTED
2	LV BUSHING 415V ESAA No71
3	RATING PLATE
4	POLE MOUNTING BRACKET
5	LIFTING LUG
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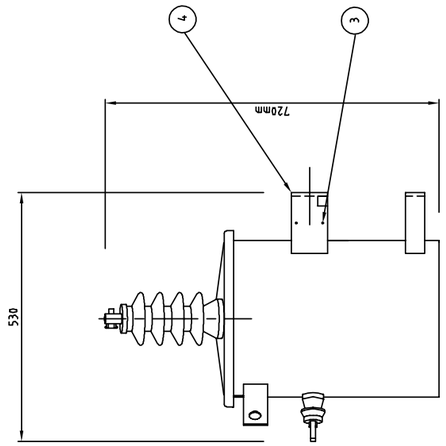
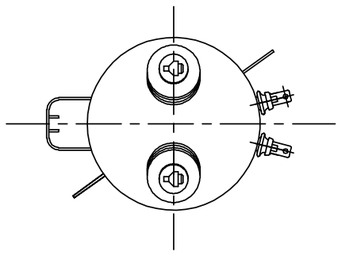
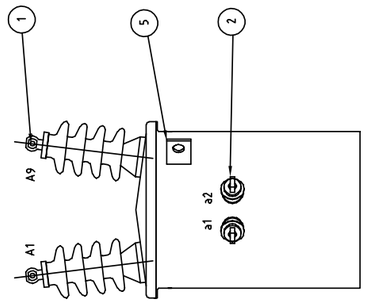
.	.



kVA	OIL Litres	TOTAL kg
1	20	50





GENERAL ARRANGEMENT
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FIXED RATIO TRANSFORMER

ETEL Distribution Transformers — DRAWING No. 039.904.0079 — REV B

REV	DESCRIPTION	DRAWN	DATE	APPD.	DRAWN	P.LEECE
B	DWG REVISED TO MATCH AS BUILT	R.G	22\12\2	.	DATE	13/04/00
.	.	.	.	.	CHECKED	S.ROBINSON
.	.	.	.	.	DATE	10/11/00
.	.	.	.	.	SCALE	1=7.5
.	.	.	.	.	TOLERANCE	+/- 2mm

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