

# Micropad

## PAD MOUNTED TRANSFORMERS

Product Data Sheet

Revision: 3

Document No. 904 - 0033

ISO 9001 Registered

ETEL's Micropad low kVA Distribution Transformers are specifically designed for pad mounting.

The Micropad range provides the System Designer with an ideal solution in underground reticulation installations for small capacity and rural applications.

Micropad transformers offer all of the advantages of the larger Minipad range of ground mounted transformers, in a compact, unobtrusive package.

ETEL's full catalogue of Distribution Transformers includes a model to meet your Distribution Transformer need. Discuss your particular requirement with our Engineering team.



## Features

- Ultra Compact Size
- Integrated LV Switchgear Options available
- Hermetically Sealed for Long Life
- 15 to 75kVA 1 Phase
- 15 to 100kVA 3 Phase
- Zinc Spray Paint system available
- Standard Transformer oil or Flameproof biodegradable fluid options available

## Technical Specifications

Core Type	Distributed Gap Wound Core, Core Type Transformers
Electrical Steel Type	Cold Rolled, Grain Oriented, Silicon steel Sheets
Tank Sealing	Hermetically sealed
Oil Type	Oil filled to BS148 and AS1767
kVA sizes available	15, 30, 50, 75 and 100 kVA Single Phase and 3 Phase
HV Volts	11000 or 22000 as standard
LV Volts	1 Phase: 480-240V (series-parallel) 3 Phase: 415-240V
Connection	Dyn11 as standard for 3 Phase (others available)
HV Tappings	+5% to -7.5% in 2.5% steps
Oil / Winding Rises	60 / 65°C
BIL / Power Frequency Levels	95kVpeak / 28kVrms 150kVpeak / 50kVrms
Maximum Operating Pressure	35kPa

kVA	DIM 'A'	DIM 'B'	DIM 'C'	DIM 'D'	DIM 'E'	DIM 'F'	DIM 'G'	DIM 'H'	DIM 'J'	DIM 'K'	DIM 'L'	OIL Litres	UNTANKING MASS (kg)	TOTAL (kg)	DESCRIPTION	
															ITEM	DESCRIPTION
15	870	1120	770	570	570	110	210	830	800	210	390	170	74	370	1	HV BUSHING 11kV 160A TWO PIECE CABLEBOX
SINGLE PHASE	30	870	1120	770	570	110	210	830	800	210	390	156	134	420	2A	LV BUSHING 4.15V ESAA No71 (15, 30 & 50kVA)
	50	870	1120	770	570	110	210	830	800	210	390	154	174	460	2B	LV BUSHING 4.15V ESAA No72 (75 & 100kVA)
	75	750	1330	1070	810	810	140	410	690	440	290	180	245	590	3	TAPSWITCH HANDLE & LOCKING BRACKET
THREE PHASE	15	870	1120	770	570	110	210	830	800	210	390	150	100	400	4	RATING PLATE - INSIDE LV DOOR
	30	870	1120	770	570	110	210	830	800	210	390	140	150	420	5	LIFTING LUG
	50	870	1120	770	570	110	210	830	800	210	390	115	235	485	6	EARTH STUD M12 x 50mm STAINLESS STEEL
	75	1020	1360	1090	810	810	140	410	960	520	290	350	310	860	7	FUSE PANEL STUDS M10 x 75mm STAINLESS STEEL
100	1020	1360	1090	810	810	140	410	960	520	290	330	370	910	8	OIL LEVEL GAUGE (75kVA & 100kVA 3PH ONLY)	
															9	PADLOCKABLE HINGED ACCESS DOOR
															10	DOOR, ALLEN HEAD BOLTS & RUBBER PLUGS

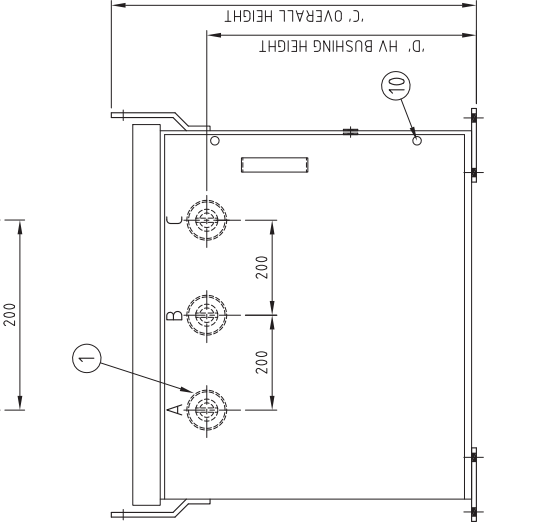
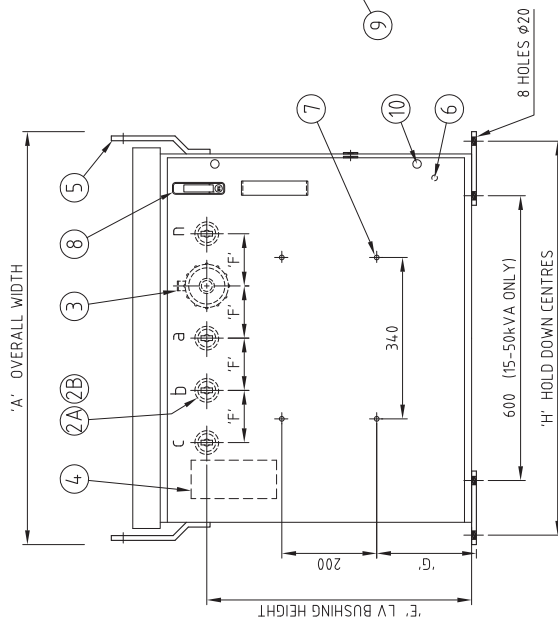
SINGLE PHASE LV BUSHING LAYOUT



SINGLE PHASE HV BUSHING LAYOUT



APPROXIMATE DIMENSIONS & MASSES



REV	DESCRIPTION	DRAWN	APPD.	DATE	DRAWN	S. ROBINSON
H	REVISED TABLE	V.S.	N.U.	23 APR 08	DATE	31 JAN 1998
J	HANDLE DESIGN CHANGED	M.H.	B.H.	21 MAY 11	CHECKED	P. LEECE
					DATE	4 FEB 1998
					SCALE	
					TOLERANCE	

 <b>Distribution Transformers</b>	
GENERAL ARRANGEMENT - MICROPAD PADMOUNT TRANSFORMERS 15 to 100kVA	
DRAWING No.	039.904.0033
REV	J