

ETEL's Front Access range of ground mounted Distribution Transformers has been specifically developed to meet New Zealand conditions.

The Citypad features compact overall dimensions, including front mounted HV and LV cubicles, ideal for confined, single access positions.

Exposed radiators (where required) are employed in standard construction, providing efficient cooling performance. Alternative concealed radiators can be supplied if required.

The LV cubicle design allows for enormous flexibility in accommodating fuse gear and switchgear selection. ETEL can deliver complete, installed LV switchgear solutions to customer specification.

Factory installation of switchgear, fuse gear and street lighting accessories, etc provide a cost effective and efficient alternative to after delivery workshop assembly.

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



Features

- Front Access HV and LV cubicles
- Compact footprint and overall size
- Integrated LV Switchgear options are available
- Hermetically sealed for long life
- 100 to 1500kVA available
- Zinc Spray Paint system available
- Standard Transformer oil or Flameproof biodegradable fluid options available

Technical Specifications

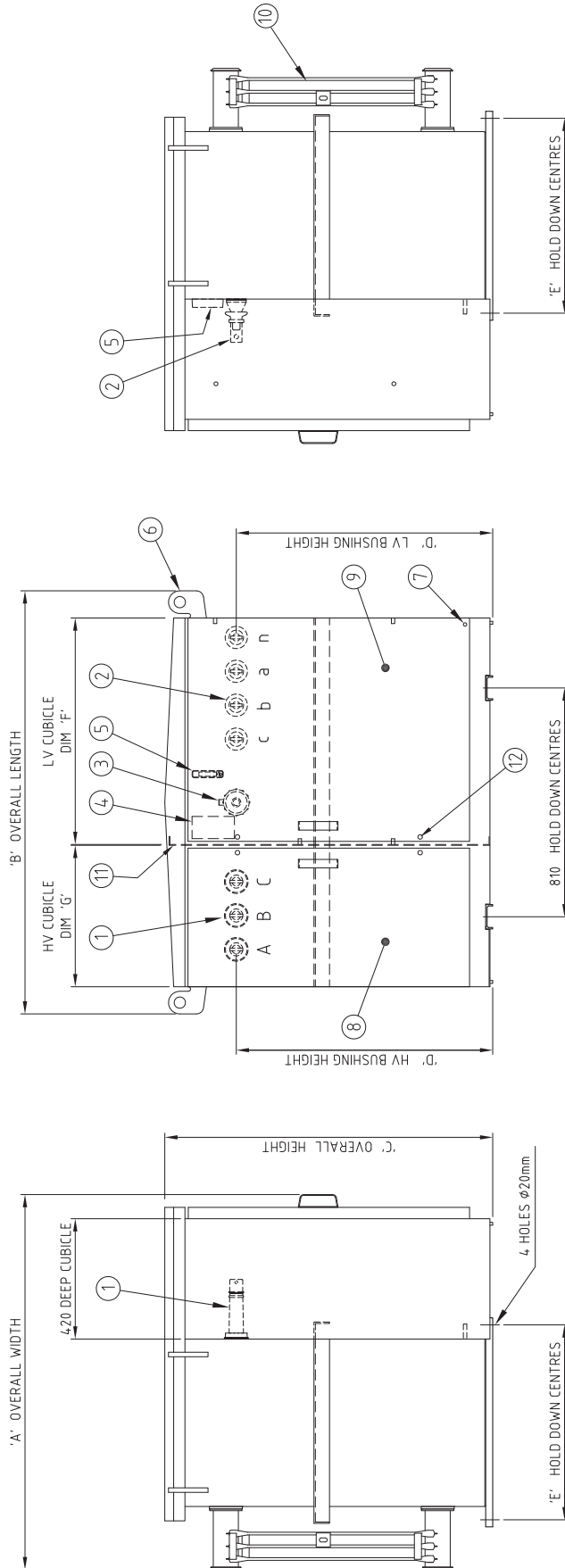
Core Type	Distributed Gap Wound Core, Core Type Transformers
Electrical Steel Type	Cold Rolled, Grain Oriented, Silicon steel Sheets
Tank Sealing	Hermetically sealed
Oil Type	Oil filled to BS148 and AS1767
KVA sizes available	100, 150, 200, 300, 500, 750, 1000, 1500 3 Phase
HV Volts	11000 or 22000 as standard
LV Volts	415 - 240 as standard (others available)
Connection	Dyn11 as standard (others available)
HV Tappings	+5% to -7.5% up to 300kVA +2.5% to -10% 500kVA as above in 2.5% steps
Oil / Winding Rises	60 / 65°C
BIL / Power Frequency Levels	95kVpeak / 28kVrms 150kVpeak / 50kVrms
Maximum Operating Pressure	35kPA

ITEM	DESCRIPTION
1	HV CABLEBOX BUSHING, 11kV, 2 PCE, M10 CU, 160A
2	LV BUSHING 415V ESAA No72 or No73
3	TAPSWITCH HANDLE
4	RATING PLATE
5	OIL LEVEL GAUGE
6	LIFTING LUG
7	EARTH STUD M12 S/STEEL
8	HV COMPARTMENT
9	LV COMPARTMENT
10	RADIATORS (IF REQUIRED: 200kVA, 300kVA and 500kVA)
11	COMPARTMENT SEGREGATION
12	DOOR, ALLEN HEAD BOLTS & RUBBER PLUGS
13	PADLOCKABLE HINGED ACCESS DOOR

APPROXIMATE DIMENSIONS & MASSES

kVA	DIM 'A'	DIM 'B'	DIM 'C'	DIM 'D'	DIM 'E'	DIM 'F'	DIM 'G'	OIL Litres	UNTANKING MASS kg	TOTAL kg
100	1160	1500	1150	910	690	760	540	460	470	1200
200	1330	1500	1150	910	690	760	540	470	620	1350
300	1350	1520	1160	915	690	800	500	500	780	1560
500	1530	1620	1470	1210	730	850	550	785	1100	2340
750	1720	1900	1480	1210	730	1200	500	960	1400	2990

NOTE: FOR 1000kVA - DETAILS ON REQUEST



REV	DESCRIPTION	DRAWN	DATE	APPD.	DRAWN	M.STOREY	DATE	CHECKED	B.H.H.	DATE	SCALE	TOLERANCE
.	M.STOREY	23 MAY 2011	.	B.H.H.	23 MAY 2011	.	.
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 Distribution Transformers	
DRAWING No. 039.904.0642	REV A

GENERAL ARRANGEMENT - CITYPAD FRONT ACCESS TRANSFORMERS 100kVA - 750kVA	
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