



TECHNICAL DATA SHEET





Kiosk Enclosure

*images are of a similar transformer unit.





1. Technical Data

Item 1 – Dry Type Transformer		HV Winding 1 LV Winding 1		
Rated power	kVA	1250	1250	
Rated voltage	kV	0.415/11/22/33	0-1 kV	
Frequency	Hz	50		
Off circuit tapping links	%	±2.5%, +-5%	Nil	
Connection		Delta	Star	
Vector group		Dyn11		
Insulation level	111	(145-20)/(3-70)	(4.45.20) /(2.70)	
(Maximum BIL/AC)	kV	(145-20) / (3-70)	(145-20)/(3-70)	
Winding material		Aluminium/Copper	Aluminium/Copper	
Type of winding		Oil Type	Oil Type	
Standard		AS 60076-1	1, AS 2374	
Installation		Indoor/Outdoor		
Degree of protection		IP00-IP56		
Type of cooling		ONAN		
Installation altitude		< 1000 a.m.s.l		
Climatic/environmental				
and fire behaviour class		E2-C2-F_ (0/1)		
Indicative values		Reference Temperature: 75°C		
Standard tolerances per AS 60076 are applicable to the following values				
No-load loss	W	1750		
Load loss	W	12420		
Impedance	%	4-6%		
Efficiency @ 75degC	50% /75%/100%	98.88/99.08/99.23 (MEPS COMPLIANT)		
$ \cos \varphi = 1 $	Load			
Efficiency @ 75degC	50% /75%/100%	98.60/98.85/99.04 (MEPS COMPLIANT)		
$@\cos\varphi = 0.8$	Load			
Insulation Class				
Max.ambient	°C	45		
temperature	C	<u> </u>		
		HV winding	LV winding	
Insulation temperature		A		
class		A		
Temperature rise	$^{\circ}\!\mathrm{C}$	100		
Overall dimensions and weights (Preliminary)				
Width x Depth x				
Height (IP00)	mm	2000 x 1350 x 1720		
Mass (IP00)	Kg	3100		
NOTE: losses dimensions and weights are indicative, to be confirmed following receipt of				
purchase order and completion of engineering stage.				
Accessories				
STANDARD (FOR EA 7	TRANSFORMER)	UNITS		
HV terminals		3	HV bushing	
LV terminals		4	LV bushing	
Rating plate		1	Stainless Steel	
raning plane		1	Starring Steel	





Radiator	Yes		
Oil Temperature Thermometer	Yes		
Pressure Relief Valve	Yes		
Oil Level Indicator	Yes		
Dain & Filling Valve, Earth Terminal	Yes		
Lifting Lugs	Yes		
Routine tests (Included)			
Winding resistance	Yes		
Ratio and phase relationship	Yes		
Impedance voltage, short circuit impedance	Yes		
and load loss			
No load loss	Yes		
Induced over voltage withstand	Yes		
Separate source voltage withstand	Yes		
Insulation resistance	Yes		
Type tests (Optional – additional cost)			
Temperature rise test	Yes		
Impulse test	Yes		
Noise pressure level test	Yes		

Drawings issued 1 week after the order.

Project timeline issued 2 weeks after order.

Inspection and Test Plan, Operation and Maintenance manuals submitted 4 weeks prior to delivery.