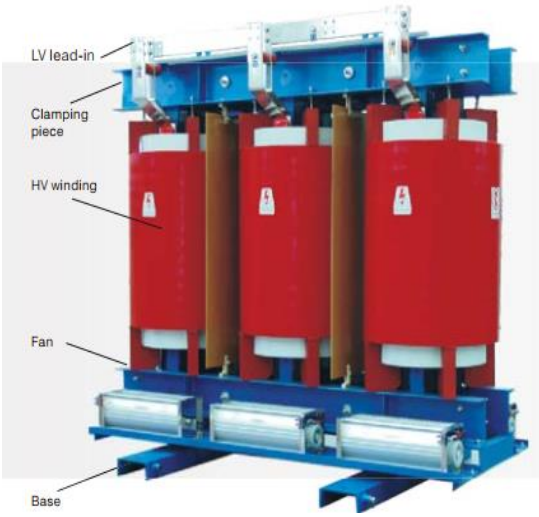
TorTech

30 Years as Australia's transformer specialist

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	200	200
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 (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 60076-11, AS 2374	
Installation		Indoor/Outdoor	
Degree of protection		IP00-IP56	
Type of cooling		ANAF	
Installation altitude		< 1000 a.m.s.l	
Climatic/environmental and fire behaviour class		E2-C2-F_ (0/1)	
Indicative values		**Reference Temperature: 75ºC**	
Standard tolerances per AS 60076 are applicable to the following values			
No-load loss	W	563	
Load loss	W	2403	
Impedance	%	4-6%	
Efficiency @ 75degC @ cosφ = 1	50% /75%/100% Load	98.54/98.74/98.85 (MEPS COMPLIANT)	
Efficiency @ 75degC @ cosφ = 0.8	50% /75%/100% Load	98.18/98.43/98.57 (MEPS COMPLIANT)	
Insulation Class			
Max.ambient temperature	ºC	45	
		HV winding	LV winding
Insulation temperature class		F (155˚C) / H (180˚C)	
Temperature rise	ºC	100	
Overall dimensions and weights (Preliminary)			
Width x Depth x Height (IP00)	mm	1060 x 710 x 1120	
Mass (IP00)	Kg	930	
NOTE: losses dimensions and weights are indicative, to be confirmed following receipt of purchase order and completion of engineering stage.			
Accessories			
STANDARD (FOR EA TRANSFORMER)		UNITS	
HV terminals		3	HV bushing
LV terminals		4	LV bushing
Rating plate		1	Stainless Steel

Routine tests (Included)		
Winding resistance	Yes	
Ratio and phase relationship	Yes	
Impedance voltage, short circuit impedance and load loss	Yes	
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.