



TECHNICAL DATA SHEET





Kiosk Enclosure

*images are of a similar transformer unit.





1. Technical Data

Rated powerkVA160160Rated voltagekV0.415/11/22/330-1 kVPrequencyHz50Off circuit tapping links% $\pm 2.5\%, +.5\%$ NilConnectionDeltaStarVector groupDyn11Insulation levelkv(Maximum BIL/AC)kV(145-20)/(3-70)(145-20)/(3-70)Winding materialAluminium/CopperAluminium/CopperType of windingOil TypeOil TypeStandardAS 60076-11, AS 2374InstallationIndoor/OutdoorDegree of protectionIP00-P56Type of coolingANAFInstallation altitude< 1000 a.m.s.lClimatic/environmental and fire behaviour classE2-C2-F_ (0/1)Indicative valuesReference Temperature: 75°CStandard tolerances per AS 60076 are applicable to the following valuesNo-load lossW491LoadLoadEfficiency @ 75degC50% /75%/100%98.07/98.33/98.47 (MEPS COMPLIANT)@ cosp = 1LoadEfficiency @ 75degC50% /75%/100%98.07/98.33/98.47 (MEPS COMPLIANT)@ cosp = 0.8LoadInsulation temperature°CHordingLV windingInsulation temperatureCompWidth x Depth xmmMax.ambient temperature rise°CMax.ambient temperature rise°CMax.ambient temperature rise°CMax.ambient temperature rise°CMax.ambient temperature rise </th <th>ltem 1 – Dry Ty</th> <th>pe Transformer</th> <th>HV Winding 1</th> <th>LV Winding 1</th>	ltem 1 – Dry Ty	pe Transformer	HV Winding 1	LV Winding 1
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LV terminals 4 LV bushing	HV terminals			HV bushing
	LV terminals			V
	Rating plate		1	Stainless Steel





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.