



Date: 30-03-2015

Technical Specification – Item 10

Characteristic		
Product name		Dry Type CAST-COIL Transformer
Application		Solar Inverter, THD <5%
Country of origin		Spain
Rated power	[kVA]	2400, equivalent power (harmonic effects already considered on this power)
Primary voltage	[V]	33000
Voltage variation	[%]	±10% Un
Primary tapings		±2.5 ±5%
Secondary voltage at no load LV1	[V]	400 // 1200 kVA
Secondary voltage at no load LV2	[V]	400 // 1200 kVA
Primary insulation level	[kV]	LI 170 / AC 70 / Um 36
Secondary insulation level	[kV]	LI 20 / AC 10 / Um 3.6
Frequency	[Hz]	50
Number of phases		3
Vector group		Dyn11d0
Ambient temperature	°C	45 / 35 / 25
max./monthly/annual average		
Max. average temperature rise (HV/LV)	[K/K]	95 / 95
Environmental, climatic, fire class		E2, C2, F1
Temperature class (HV/LV)		F/F
Altitude (a.s.l.)	[m]	< 1460
Location		Indoor
Protection degree		IP00

Performance values

Standards		IEC 60076-11
Impedance HV->LV1+LV2	[%]	7 (±10% Tol.)
Impedance HV->LV1, HV->LV2	[%]	6 (±10% Tol.)
No load losses	[W]	3380 (+15% Tol.)
Load losses at 120 °C	[W]	20620 (+15% Tol.)
Sound power level (LWA)	[dB(A)]	75
Sound pressure level at 1m (LPA)	[dB(A)]	<65

Preliminary dimensions and weight

Length	[mm]	2400
Width	[mm]	1900
Height	[mm]	2500 (without wheels)

Type of design IP00

Cooling	AN
Primary winding conductor material	Al
Secondary winding conductor material	Al
Winding manufacturing (HV/LV)	Encapsulated / Impregnated sealed

Standard Features/Accessories

Off circuit tap changer on primary winding
PT100 Temperature sensor per phase
TMD-T4S temperature control unit
Standard rating plate
Earthing terminals
Documentation
Electrostatic screen



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Lifting lugs & Pulling Eyes
Seismic zone UBC 4 (0.5g horizontal, 0.25g vertical)
Aluminium LV terminals