

TRANSFORMER DATA SHEET		
Manufacturer	Wilson Power Solutions Ltd	
Applicable Standard	IEC 60076	
Transformer Rating	kVA	500
Rated High Voltage @ No Load	Volts	11000
Rated Low Voltage @ No Load	Volts	433
Minimum Insulation class HV LI	kV	75
Minimum Insulation class HV AC	kV	28
Minimum Insulation class LV LI	kV	--
Minimum Insulation class LV AC	kV	3
Insulating Fluid	Mineral Oil	
Fans	No	
Pumps	No	
Type of Cooling	ONAN	
Number of Phases	3	
Frequency	Hz	50
Vector Group	Dyn11	
Impedance Voltage (Z)	%	4.75
Core Material	CRGO steel	
No Load Losses	W	459
Load Losses @ 75°C	W	3900
Losses as per EU Regulation No. 548/2014	Meets Tier-2 Requirement	
Resistance	%	0.78
Reactance	%	4.69
Regulation type	DETC	
Tapping on HV	%	+5.0, +2.5, 0.0, -2.5, -5
Design Ambient Temperature	°C	40
Temp Rise of Top Oil	°C	60
Temp Rise of Winding	°C	65
Altitude	m	<1000
Pollution class	C4	
Sound Power Level	dB(A)	56
HV Conductor Material	Aluminium	
LV Conductor Material	Aluminium	
Paint Finish Colour	RAL 7033: Cement Grey	
Transformer Type	Unit Type, Free Breathing, bolted cover, tank attached radiators	
HV termination type	Plug-in Monoblock bushing	
LV termination type	Epoxy Monoblock bushing with 1 take off per phase & Neutral	
Harmonis distortion	THD%	<5%
Accessories		

Drain Valve		Yes
Radiator Valves		No
Sampling Valve		Yes
Free breathing Device		Yes
Pressure Relief Device		No
Oil Temperature Indicator		No
Buchholz unit		No
Winding Temperature Indicator		No
Magnetic Liquid Level Indicator		No
Conservator		No
HV CTs		No
LV CTs		No
Neutral CTs		No
Disconnecting links HV		No
Disconnecting links LV		No
Marshalling box		No
Bund		No
Overall Dimensions		
Length	mm	1665
Width	mm	1060
Height	mm	1640
Oil	L	713
Weight	kg	2550
Testing Requirement		
Routine tests		Yes
Lighting Impulse		No
Chopped impules		No
Temperture rise test		No
Noise test		No
Dissolved gas analysis		No
Frequancy response analysis		No
CT checks		No
Other information		
Comments All losses, dimensions & weights are provisional only subject to confirmation following detailed design.		