

TRANSFORMER DATA SHEET		
Project Name:	--	
Quote Number:	--	
Manufacturer:	Wilson Power Solutions Ltd	
Applicable Standard:	IEC 60076	
General Arrangement Dwg #:	WPS-UKPN-500-AL-U001	
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	510
Load Losses @ 75°C:	W	5500
Losses as per EU Regulation No. 548/2014	Meets Tier-1 Requirement	
Resistance	%	1.10
Reactance	%	4.62
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		No
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	1088
Height	mm	1627
Oil	L	645
Weight:	kg	2400
Testing Requirement:		
Routine tests		Yes
Lighting Impulse		No
Chopped impulses		No
Temperature rise test		No
Noise test		No
Dissolved gas analysis		No
Frequency response analysis		No
CT checks		No
Other information		
Comments: All losses, dimensions & weights are provisional only subject to confirmation		