

TRANSFORMER DATA SHEET		
Project Name:		--
Quote Number:		--
Manufacturer:		Wilson Power Solutions Ltd
Applicable Standard:		IEC 60076
General Arrangement Dwg #:		WPS-E3-500-AL-GA
Transformer Rating:	kVA	500
Rated High Voltage @ No Load:	Volts	11000
Rated Low Voltage @ No Load:	Volts	415
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:		Amorphous
No Load Losses:	W	270
Load Losses @ 75°C:	W	3330
Losses as per EU Regulation No. 548/2014		Exceeds Tier-2 Requirement
Resistance	%	0.67
Reactance	%	4.70
Regulation type:		DETC
Tapping on HV:	%	+7.5,+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)	65
HV Conductor Material:		Aluminium
LV Conductor Material:		Aluminium
Paint Finish Colour:		BS 632 shade
Transformer Type:		Free Breathing, bolted cover, tank attached cooler bank
HV termination type:		Cable Box - 12kV, 3-Pole, (Facing-'E' BS:2562) with 1 take off per phase
LV termination type:		Cable box - 1.1kV, 4-Pole, (Facing-'F', BS:2562) with 1 take off per phase & Neutral

Neutral:		Located inside - cable box
Harmonic distortion:	THD%	<5%
Accessories:		
Drain Valve		Yes
Radiator Valves		No
Sampling Valve		No
Dehydrating Breather		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	1835
Width	mm	1389
Height	mm	1762
Oil	L	1000
Weight:	kg	3275
Testing Requirement:		
Routine tests		Yes
Lighting Impulse		No
Chopped impulse		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		