

TRANSFORMER DATA SHEET			
S.No.	Description	Units	Particulars
1	Project Reference		--
2	SO Number		--
1	Manufacturer		Wilson Power Solutions Ltd
2	Applicable Standard		IEC 60076
3	General Arrangement Dwg #		WPS-d2-UKPN-2000-AL-UD002
3	Transformer Rating	kVA	2000
4	Rated High Voltage @ No Load	Volts	11000-6600
5	Rated Low Voltage @ No Load	Volts	433
6	Minimum Insulation class HV LI	kV	75-60
7	Minimum Insulation class HV AC	kV	28-20
8	Minimum Insulation class LV LI	kV	--
9	Minimum Insulation class LV AC	kV	3
10	Insulating Fluid		Midel 7131
11	Fans		No
12	Pumps		No
13	Type of Cooling		KNAN
14	Number of Phases		3
15	Frequency	Hz	50
16	Vector Group		Dyn11
17	Impedance Voltage (Z) (Subject to +/- IEC Tolerance Limits)	%	6
18	Core Material		CRGO steel
19	No Load Losses	W	1500
20	Load Losses @ 75°C	W	16500
21	Losses as per EU Regulation No. 548/2014		Meets Tier-2 Requirement
22	Resistance	%	0.83 (Approx.)
23	Reactance	%	5.94 (Approx.)
24	Regulation type		DETC
25	Tapping on HV	%	+5.0, +2.5, 0.0, -2.5, -5
26	Design Ambient Temperature	°C	40
27	Temp Rise of Top Oil	°C	60
28	Temp Rise of Winding	°C	65
29	Altitude	m	<1000
30	Pollution class		C4
31	Sound Power Level	dB(A)	62
32	HV Conductor Material		Aluminium
33	LV Conductor Material		Aluminium
34	Paint Finish Colour		RAL 7033 - Cement Grey
35	Transformer Type		Unit Type, Free Breathing, bolted cover
36	HV termination type		Plug-in Monoblock bushing

37	LV termination type		Epoxy Monoblock bushing with single take off per phase & Neutral
38	Harmonis distortion	THD%	<5%
Accessories			
39	Drain cum Sampling Valve		Yes
40	Radiator Valves		Yes
41	Free breathing Device		Yes
42	Pressure Relief Device		No
43	Oil Temperature Indicator		No
44	Buchholz unit		No
45	Winding Temperature Indicator		No
46	Magnetic Liquid Level Indicator		No
47	Conservator		No
48	HV CTs		No
49	LV CTs		No
50	Neutral CTs		No
51	Disconnecting links HV		No
52	Disconnecting links LV		No
53	Marshalling box		No
54	Bund		No
Overall Dimensions			
55	Length	mm	1875
56	Width	mm	1616
57	Height	mm	1912
58	Oil	L	1293
59	Weight	kg	5444
Testing Requirement			
1	Routine tests		Yes
2	Lighting Impulse		No
3	Chopped impules		No
4	Temperture rise test		No
5	Noise test		No
6	Dissolved gas analysis		No
7	Frequancy response analysis		No
8	CT checks		No
Comments: All losses, dimensions & weights are provisional only subject to confirmation following detailed design.			