

Sound Level Measurement

Transformer Rating 500kVA	Serial No 100205026
Transformer Type USS	Location IN THE TEST AREA
Drawing Number LK50293A0	
EDF Spec ES 4-6001	Date of Test 25/05/07
HV Voltage 11000	Tested in Accordance with BS EN 60076-10:2001 / IEC 60076-10:2001
LV Voltage 433	
Tap position 3	
Witness	Customer EDF Energy
Measurement in dB(A)	
	With Breather Cap

Microphone Position	Ambient Before	Measured Level	Ambient After	Octave filter Frequency Hz	Measured value at point 1 (trf energised)
1	43.2	44.1	43.1	31.5	52.7
2	41.7	43.1	41.9	62.5	58.4
3	40.9	44.1	40.2	125	48.9
4	41.0	43.4	40.8	250	43.1
5	40.4	43.4	41.2	500	38.5
6	40.0	42.2	41.5	1000	31.4
7	41.1	43.5	40.9	2000	44.4
8	40.2	44.9	40.4	4000	25.1
				8000	24.9
				16000	30.9
Average	41	44	41	A	39.7
Difference		3			
Correction		3			
Corrected	Lpa	41			
height	1.66 m	Contour Lm	6.01m	S=1.25hLm = 12.5 m ²	
				Lwa = Lpa+10logS	
				= 41 + 11 = 52	
Sound pressure	41 dB(A)	Sound power Level	52 dB(A)	Guaranteed value 54dB(A)	
Tested by	<i>P. Gardner</i>	Signature	<i>P. Gardner.</i>		

See Drawing LK50293A0 For Plan View

