

Test Certificate

N°: I760103-01



Type : MINERA	Determination of Sound Level	Page Nr. : 1 of 1 pages
Customer : WPD	Fb Nr : 760103 Mach. Nr : 760103-01	
Power (kVA) : 500	Voltage (kV) : 11 / 0.433	Standard IEC 60076-10

Measurement method :

Sound pressure
Sound intensity

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Trf. Coolers with ☐ without ☐
Fans switch on ☐ off ☐

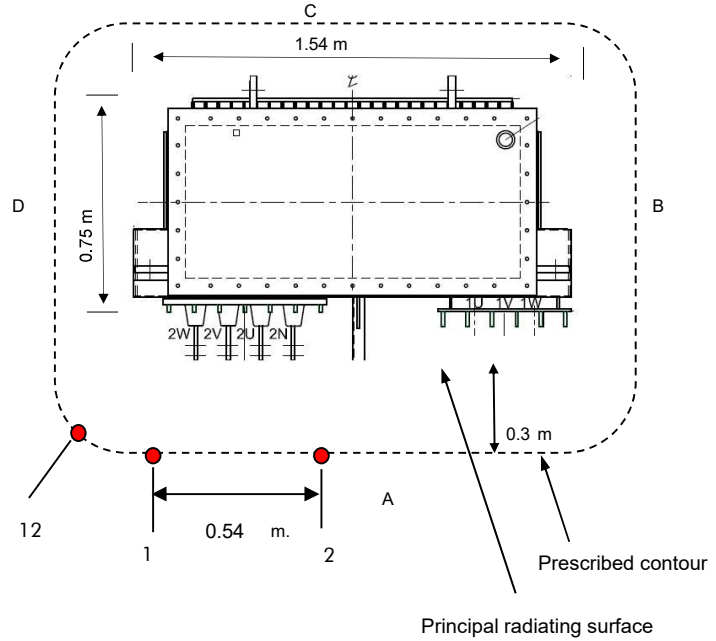
Test conditions :

Test laboratory	MPT
Ambient temperature	29.4(±2) °C
Height of mic. above grd. 1/2 h	0.80 m
Excitation voltage	0.433 kV
Frequency	50 Hz
Tap position	3
Measurement distance	0.3 m
Length of prescribed cont.	6.5 m
Height of test object, h	1.60 m
Area of meas. surface (S)	12.3 m ²
10lg(S/So)	10.9

A-weighted sound pressure levels of the background noise :

Pos.	At start of test	At end of test
A	25.5	25.2
B	26.1	25.9
C	25.3	24.8
D	25.2	25.0
L _{bg}	25.5	25.3 (A)

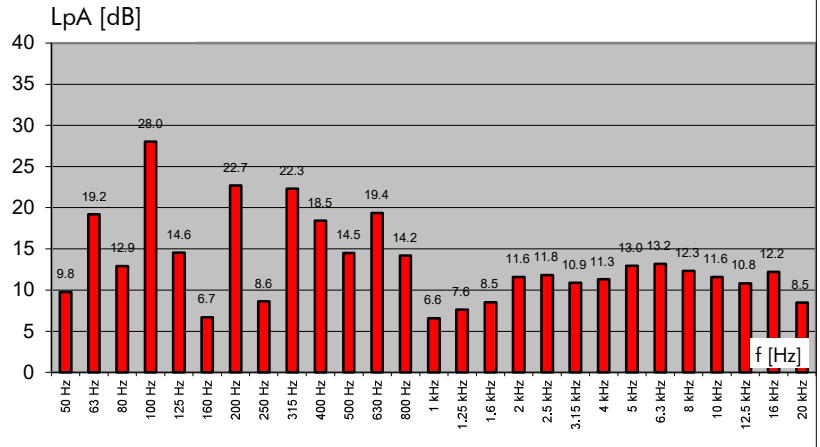
Plan of test object :



A-weighted sound pressure levels L_{pAi}

Pos.	1/2 h	-	-	-
1	27.8			
2	34.3			
3	29.4			
4	30.8			
5	30.1			
6	28.9			
7	31.3			
8	30.4			
9	32.4			
10	34.2			
11	33.3			
12	31.2			

Average 1/3 Octaveband Analyse :



L_{pA0} 31.6 dB(A)

L _{pA0} - maximum	L _{bgA}	31.6	-	25.5	=	6.1 dB(A)
Correction for sound reflections by factor	K	=	0.0 dB			
Correction for steady-state background noise		=	1.1 dB			
Corrected average A-weighted sound pressure level	L _{pA}	=	30.5 dB(A)			
Calculated A-weighted sound power level	L _{WA}	=	41.4 dB(A)			

Measuring instrument :

Manuf. : 01dB-Metravib Meter type : NETdB
Serial number : LCF026330-262
Microphone type : MCE 212
Serial number : 101069
Power Analyser: Yokogawa WT 3000
Serial number : 91KB11116

L _{pA} : Guaranteed - dB(A) Result : -
L _{WA} : Guaranteed 50 dB(A) Result : Passed

Tested by : F. OREFA	Checked by : H. SEVİL	Customer or Representative :	Revision No -
Test Engineer	Test Team Leader		
Date : 27.08.2020	Date : 27.08.2020	Date :	