Test Code for Measurement of Sound From Water-Cooling Towers

Table of Content

Section/Title		Page
0.0 Preamble	Preamble	
1.0 Purpose of	1.0 Purpose of the Test Code	
2.0 Scope	2.0 Scope	
3.0 Test Requirements		4
4.0 Relevant Standards		5
5.0 Definitions	5.0 Definitions	
6.0 Instrumentation		7
7.0 Conditions and Environment of the Test		7
8.0 Sound Mea	8.0 Sound Measurements on Small Towers	
9.0 Sound Mea	9.0 Sound Measurements for Large Towers	
10.0 Calculation	Calculation of the Total Tower Sound Power	
11.0 Test Repor	11.0 Test Report	
Appendices		
Appendix A		17
• •	Induced Draft Small Towers	17
_	Forced Draft Small Towers	17
-	ole unit sound reading table for small towers	18
Appendix C Motor		19
Appendix D Induce	ed Draft Rectangular Wet/WD/CF/XF	20
	Tower Faces	20
Figure D-2	Rectangular Outlet	21
Figure D-3	Circular Outlet	21
Appendix E A-We	ighted Calculations	22
Figure E-1	Calculation of A-Weighted Sound Pressure Level	22
Figure E-2	Calculation of A-Weighted Partial Sound Power Level	22
Table E-1 A-Weighting Adjustments		22
Appendix F Backg	round Noise Adjustment	23