DIN EN 16583:2015-10 (E)

Heat exchangers - Hydronic room fan coils units - Determination of the sound power level

Contents

Page

European foreword 3

1 Scope 4

2 Normative references 4

3 Terms and definitions 5

4 Measuring instruments 5

5 Operation of the unit 6

6 Installation 7
6.1 General 7
6.2 Non ducted units 7
6.2.1 General 7
6.2.2 Floor mounted unit 7
6.2.3 Wall mounted unit 8
6.2.4 High wall mounted unit 9
6.2.5 Cassette and under ceiling mounted units 10
6.2.6 Under floor mounted 10
6.3 Ducted units 10
6.3.1 General 10
6.3.2 Discharge or inlet sides 11
6.3.3 Sound level radiated by the casing 17

7 Acoustic measurement 18
7.1 Frequency range 18
7.2 Acoustic standard 18
7.3 Diffuse field 18
7.4 Free field 19
7.5 In-duct measurement 19

8 Uncertainty 19

9 Test report 20
9.1 General information 20
9.2 Additional information 20
9.3 Test results 20

10 Data to be recorded 21

11 Manufacturer's data 21

Bibliography 22