

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