

DIN EN 16430-3:2015-03 (E)

Fan assisted radiators, convectors and trench convectors - Part 3: Test method and rating for cooling capacity

Contents		Page
Foreword		3
1 Scope		4
2 Normative references		4
3 Terms and definitions		4
4 Testing of dry cooling capacity		5
4.1 Short description		5
4.2 Test booth		5
4.3 Test methods		7
4.3.1 General		7
4.3.2 Fan assisted radiators / convectors		8
4.4 Master radiator for dry cooling capacity		12
5 Carrying out the measurements		13
5.1 Dimension and construction of the test samples		13
5.2 Selection of the models to be tested for determining the dry cooling capacity of a type		13
5.3 Installation of the sample in the test booth		13
5.3.1 General		13
5.3.2 Radiators and wall-mounted convectors		14
5.3.3 Trench convectors		14
5.4 Connection of the test sample to the measuring circuit		14
5.5 Minimum dry cooling performance		14
5.6 Mass flow rate		14
5.7 Reference air temperature		14
5.8 Steady state conditions		14
5.9 Correction due to air pressure		15
5.10 Results of measurements - characteristic equation		15
6 Test Report		15
6.1 General		15
6.2 Data		15