



DVV - Swirl variable diffuser.
400 - nominal size
TR – thermostatic drive
RAL9010- Powder Coated

Input Data

Volume flow \dot{V} [m^3/h] = 1870
Distance A [m] = 5
Distance X [m] = 5
Free-hanging installation

Distance H [m] = 9
Temperature difference cooling [$^{\circ}\text{C}$] = -11
Temperature difference heating [$^{\circ}\text{C}$] = +9

Results Cooling

Air velocity v_h [m/s] = 0.3
 h_{max} [m] at 47 deg = 6,6
Effective velocity v_{ef} [m/s] = 4,14

Results Heating

h_{max} [m] at 74 deg = 6,6
Air velocity v_h [m/s] = 0.1
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Pressure Drop and Accoustics

Data for angle 47 deg
Pressure drop dP [Pa] = 29,9
Sound Power L_{WA} [dBA] = 44

