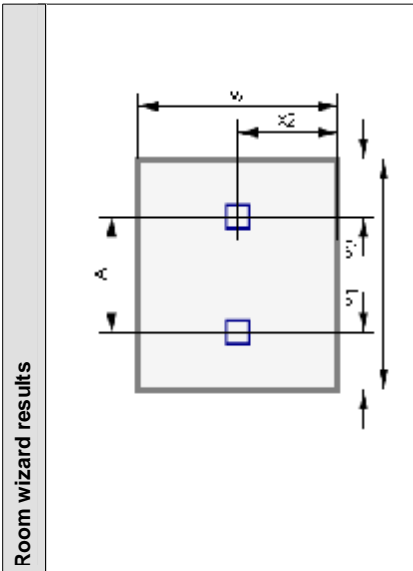


Face plate
Supply/Extract air
Connection
Volume control damper
Size
Surface
Total amount

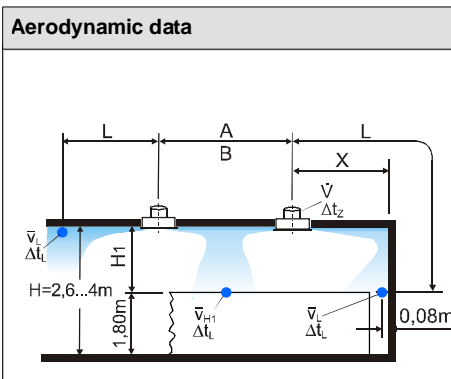
FD-Q-Z-H-M/500/0/0/0/RAL 9010

Q Square
Z Supply air
H Side entry plenum
M Volume control damper with adjustment lever
500
0 Standard finish RAL 9010 (Pure white) Gloss level 50%
2



Room dimensions [m]: Height = 2.62; Length = 5.00; Width = 4.30

Volume flow: 900 m³/h
Air change rate: 16
Cooling load: 27.6 W/m²
No Raster
Arrangement: Automatic
Diffusers amount: 2 (2x1)
Displacements [m]: A = 2.50; B = NaN; X1 = 2.15; X2 = 2.15;
Y1 = 1.25; Y2 = 1.25
Comfort: Comfort criteria based on EN15251 Category IV
Type of space: Restaurants/Kitchens
Maximal sound pressure level: 41 dB(A)
Room attenuation: 5 dB
Maximal air velocity: 0.29 m/s
Room Air Temperature: 24.0 °C
Supply Air Temperature: 22.0 °C



Volume flow V: 450 m³/h
Temperature difference Δt_z : -2.0 K
Distance H1: 0.82 m
Temperature difference Δt_{H1} : -0.2 K
Air velocity v_{H1} : 0.26 m/s
Temperature difference Δt_L : -0.1 K
Air velocity v_L : 0.24 m/s

Acoustic Data - Supply air				
Damper angle	0°	45°	90°	
Δp_t	28	39	121	Pa
L_{WA}	37	38	45	dB(A)
L_{WNC}	32	33	40	

Specification Text

TROX swirl diffuser type FD provides swirling, horizontal air discharge with high induction, for air change rates up to 30 per hour, comprising diffuser face with fixed radially arranged air control blades and a plenum box with connection spigot. The diffuser face is fitted/removed by means of a centre fix screw into a subframe.
Diffuser face and plenum box are galvanised sheet steel. Diffuser face pre-treated and powder-coated.