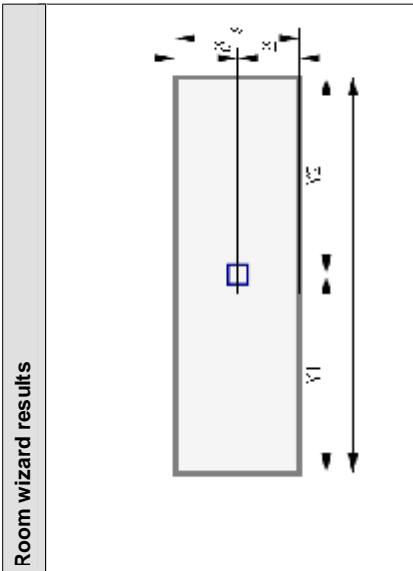


Face plate	Q	Square
Supply/Extract air	Z	Supply air
Connection	H	Side entry plenum
Volume control damper	M	Volume control damper with adjustment lever
Size	300	
Surface	0	Standard finish RAL 9010 (Pure white) Gloss level 50%
Total amount	1	

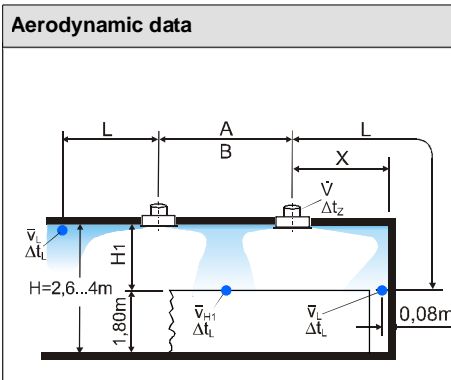
**FD-Q-Z-H-M/300/0/0/0/RAL 9010**



Room dimensions [m]: Height = 2.62; Length = 6.10; Width = 1.90

Volume flow: 150 m<sup>3</sup>/h  
 Air change rate: 5  
 Cooling load: 0.0 W/m<sup>2</sup>  
 No Raster  
 Arrangement: Manual, symmetrical  
 Diffusers amount: 1 (1x1)  
 Displacements [m]: A = NaN; B = NaN; X1 = 0.95; X2 = 0.95;  
 Y1 = 3.05; Y2 = 3.05

Comfort: Comfort criteria based on EN15251 Category II  
 Type of space: Offices/Landscaped offices  
 Maximal sound pressure level: 41 dB(A)  
 Room attenuation: 5 dB  
 Maximal air velocity: 0.18 m/s  
 Room Air Temperature: 22.0 °C  
 Supply Air Temperature: 22.0 °C



Volume flow V: 150 m<sup>3</sup>/h  
 Temperature difference  $\Delta t_z$ : 0.0 K  
 Distance H1: 0.82 m  
 Temperature difference  $\Delta t_{H1}$ : 0.0 K  
 Air velocity  $v_{H1}$ : 0.12 m/s  
 Temperature difference  $\Delta t_L$ : 0.0 K  
 Air velocity  $v_L$ : 0.13 m/s

Acoustic Data - Supply air				
Damper angle	0°	45°	90°	
$\Delta p_t$	18	20	42	Pa
$L_{WA}$	32	32	34	dB(A)
$L_{WNC}$	27	27	29	

**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.