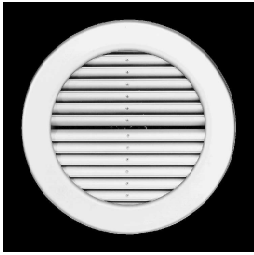


ZAŁ. NR 3



Connection
Actuator
Size
Total amount

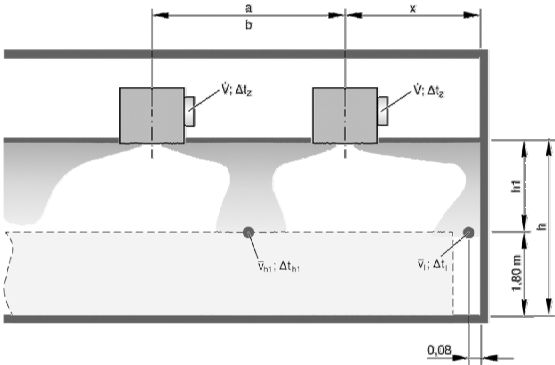
315
4

Vertical spigot
230 V AC, 3-point

Input Data

Strategy: General	
Ceiling effect	No
Discharge angle heating mode	90
Volume flow q_v	1 260 m ³ /h
Distance a	6,0 m
Distance x	1,0 m
Distance h_1	4,6 m
Supply air to room air temperature difference $\Delta t_{SUP,c}$	-12 K
Supply air to room air temperature difference $\Delta t_{SUP,h}$	15 K
Room temperature $t_{r,h}$	20,0 °C

Schematic side view



Results

Distance ($h_1 + x$) l	5,6 m
Effective air velocity v_{eff}	3,95 m/s
Throw distance l_s	10,1 m
Velocity at h_1 v_{h1}	0,08 m/s
Temperature difference at h_1 Δt_{h1}	-0,60 K
Velocity at l v_l	0,34 m/s
Temperature difference at l Δt_l	-0,81 K
Velocity at l v_{l_multi}	0,27 m/s
Effective air velocity v_{eff_heat}	3,95 m/s
Penetration depth $h_{1,max}$	7,0 m
Thermal output – cooling Φ_c	-5 060 W
Thermal output – heating Φ_h	6 325 W

Acoustic results

	Δp_t [Pa]	LWA [dB(A)]	63Hz [dB]	125Hz [dB]	250Hz [dB]	500Hz [dB]	1kHz [dB]	2kHz [dB]	4kHz [dB]	8kHz [dB]	LWNC [dB]	LWNR [dB]
General	42	52	47	45	51	51	45	43	26	< 15	48	48

Description

Ceiling diffusers with circular diffuser front frame, for comfort and industrial zones. For supply air only. Diffuser face with adjustable air control blades for air discharge from horizontal (0°) to vertical (90°) For freely suspended installation and for suspended ceilings. Ready-to-install component which consists of the diffuser face with diffuser front frame and adjustable air control blades, a plenum box with equalising element, side entry or top entry spigot, and suspension holes or suspension lugs. Spigot suitable for ducts to EN 1506 or EN 13180. Sound power level of the air-regenerated noise measured according to EN ISO 5135.