



TTHA/TTPA

Baffle-plate diffuser Supply Surface-mounted, high induction

Available types

TT-A--

T baffle-plate diffuser

T supply

- Function

H high-induction internal unit

P perforated view high-induction internal unit

A frame 25 mm removable internal unit

- Accessories

O none

V volume unit (on the diffuser)

- Version

O not applicable

R internally insulated plenum box (supplied separately)

U uninsulated plenum box (supplied separately)

SA-Select

Check SA-Select to create extended order codes and selection details online. **NB!** At this moment, SA-Select is only available in Dutch. But it is possible to create extended order codes and selection details online.

Use

The TTHA and TTPA baffle-plate diffusers have an extremely high capacity, and are suitable for supplying cooled or heated air with a large temperature difference in respect of the room temperature. The TTHA type has a spreading high-induction internal unit. The TTPA type has a perforated cover plate, making it easy to clean. The baffle-plate diffuser has been designed specifically for laboratories, computer rooms, kitchens, operating rooms, etc. A corresponding insulated or uninsulated plenum box can be supplied separately.

Characteristics

Max. number of air changes

Type TTHA:	up to 68 x
Type TTPA:	up to 60 x
Undertemperature	up to 10 K
Overtemperature	up to 15 K

Version

Baffle-plate diffuser

Frame:	extruded aluminium
Internal unit:	steel
Post-treatment:	epoxy
Colour:	white RAL 9010, optional RAL colour of your choice

Volume unit

Frame and	
Blades:	extruded aluminium
Post-treatment:	none

Plenum box

Material:	sendzimir galvanised steel
Internal insulation:	1/2" duct liner
Post-treatment:	none

Selection details

TTHA

air volume		plenum box length											
		600			750			900			1200		
m ³ /s	m ³ /h	throw m	Δp_s Pa	L _{PA} dB(A)	throw m	Δp_s Pa	L _{PA} dB(A)	throw m	Δp_s Pa	L _{PA} dB(A)	throw m	Δp_s Pa	L _{PA} dB(A)
0.125	450	1.4	2	13									
0.150	540	1.8	3	18	1.4	3	14						
0.200	720	2.4	5	26	2.0	5	21	1.7	2	18			
0.250	900	3.1	7	31	2.6	7	27	2.2	4	23	1.6	2	17
0.300	1080				3.1	11	32	2.7	5	28	2.0	3	22
0.400	1440				4.4	19	40	3.7	9	36	2.8	5	29
0.500	1800							4.7	15	42	3.6	7	35
0.600	2160										4.4	10	40

TTPA

air volume		plenum box length											
		600			750			900			1200		
m ³ /s	m ³ /h	throw m	Δp_s Pa	L _{PA} dB(A)	throw m	Δp_s Pa	L _{PA} dB(A)	throw m	Δp_s Pa	L _{PA} dB(A)	throw m	Δp_s Pa	L _{PA} dB(A)
0.080	288	1.0	1	-									
0.100	360	1.2	2	11	1.0	2	-						
0.125	450	1.6	3	18	1.3	3	13	1.1	2	9			
0.150	540	2.0	4	22	1.6	4	18	1.3	2	14			
0.200	720	2.7	8	30	2.2	7	25	1.8	4	21	1.4	2	15
0.250	900	3.5	12	36	2.8	11	31	2.4	6	27	1.8	3	21
0.300	1080				3.5	16	36	2.9	9	32	2.2	5	25
0.400	1440							4.0	16	39	3.1	8	33
0.500	1800										4.0	13	39

General

- The throw is given for a spreading discharge pattern (standard).
- With a straight flow, the throw is the table value x 1.55. Available on request.
- If diffusers are fitted together to lengths that exceed 1200 mm, the throw given in the table has to be multiplied by 1.85.
- The pressure loss applies to a fully opened volume unit.
- The assumed room attenuation is 10 dB.
- It is permitted to interpolate the interim values.