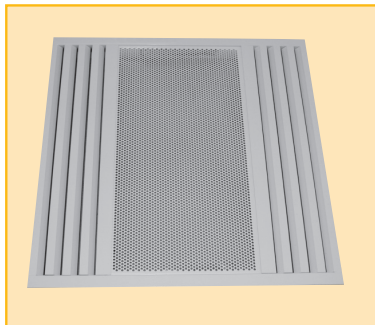


DOUBLE SIDED PULSE DIFFUSER WITH CENTRAL EXTRACTION GRILLE TYPE: TE370

Installation dimensions



Application

The TE370 slot diffuser is suitable for the supply and exhaust of heated and cooled air in offices, conference rooms, etc.

Especially developed fixed blades ensure a fixed double-sided horizontal pulse pattern and a low noise level. High induction and high penetration of the airflow into the room are obtained without internal turbulence.

The removable core of the diffusers is perforated and is responsible for extracting air.

The frame of the grille can be adapted according to the type of ceiling.

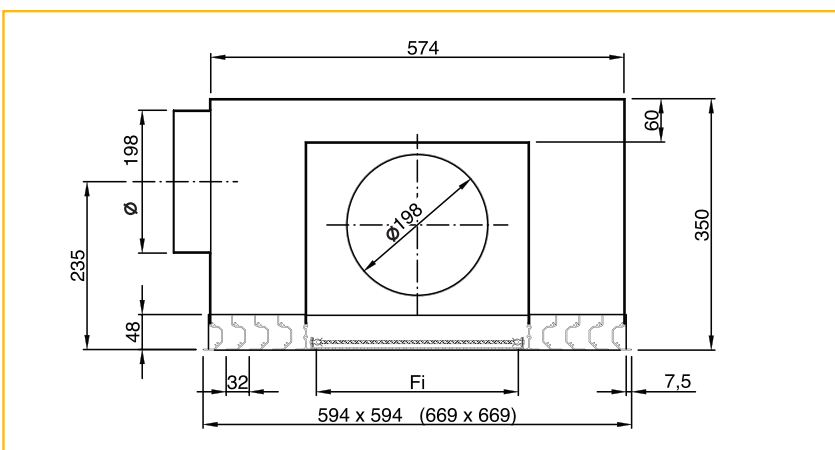
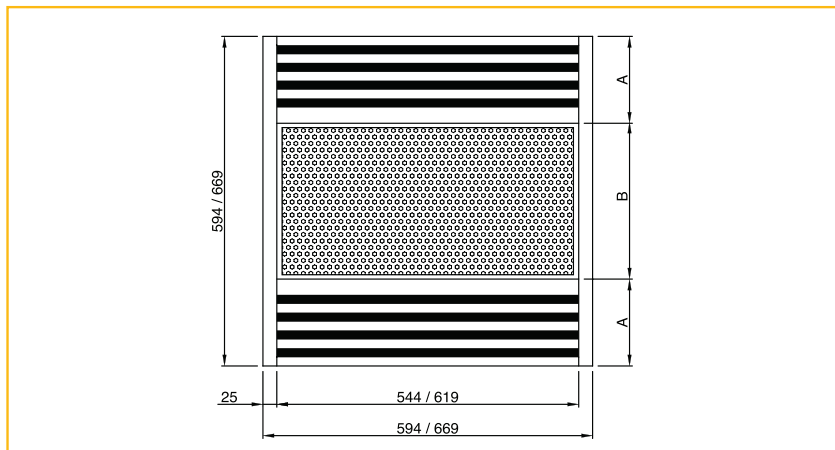
Technical information

Characteristics:

- supply: deliverable with up to 4 slots on both sides of the grille, fixed double-sided horizontal pulse pattern
- exhaust: perforation, free passage ca. 51 %
- diffuser fitted with plenum, optional insulation, equipped with a damper in inlet spigot, or equipped with a perforated damper in inlet spigot

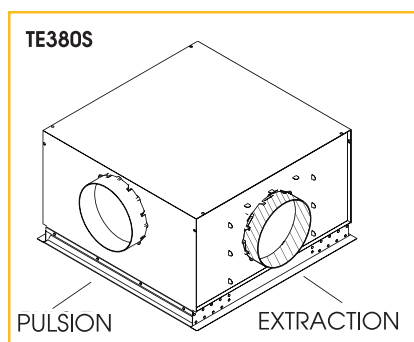
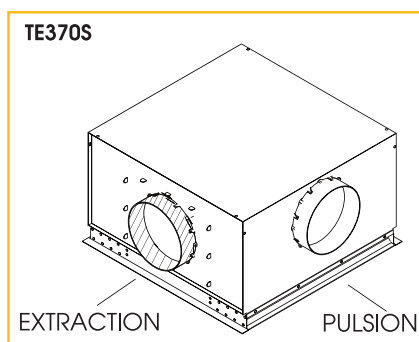
Construction:

- combined aluminium-steel ceiling diffuser, white powder-coated (RAL 9010)
- double plenum (supply and exhaust sections) made from galvanised steel sheet
- option: filter frame



All dimensions in mm

	Nom 594			Nom 670	
	A	B	XFI (filter)	B	XFI (filter)
TE371/381	61	472	535x472x5	548	610x548x5
TE372/382	93	408	535x408x5	484	610x484x5
TE373/383	125	344	535x344x5	420	610x420x5
TE374/384	157	280	535x280x5	356	610x356x5



DOUBLE SIDED PULSE DIFFUSER WITH CENTRAL EXTRACTION GRILLE TYPE: TE370

Specification description

Example:

Combined aluminium-steel ceiling diffuser for supply and exhaust.

The supply section consists of fixed slot diffusers with 4 slots on the right and 4 slots on the left. The exhaust section is centrally located and consists of a removable perforated grille core.

The frame of this ceiling diffuser can be adapted according to the type of ceiling.

The unit is delivered with a fixed plenum consisting with a supply section and a central exhaust section. The plenum is fitted with 1 round connection for supply and 1 round connection for exhaust.

Type: TE374S

size ... mm

Fixing

mounted on T-bars, provided with mounting eyes (ø 7 mm), mounting straps available upon request

How to order

TE370 with 4 slots left and right, size 594 mm and robust plenum

T	E	3	7	4	S	-	0	5	9	4	0	5	9	4
---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

-: non insulated plenum
G: insulated plenum

-: single diffuser
S: fixed plenum

number of slots each side

7: type TE370 (see drawing previous page)
8: type TE380 (see drawing previous page)

X	F	I	0	0	2	M	-	-	-	-	-	-	-	-
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XFI002M: wire frame filter G2
XFI003M: wire frame filter G3
XFI004M: wire frame filter G4

DOUBLE SIDED PULSE DIFFUSER WITH CENTRAL EXTRACTION GRILLE TYPE: TE370

Selection table

EXHAUST

airflow rate	noise level	air velocity	pressure loss
q_v (m³/h)	L_W (NR)	v_k (m/s)	delta p_f (Pa)
200	25	0,7	7
240	30	1,1	12
300	35	1,8	18
370	40	2,6	26
460	45	4,1	40

SUPPLY

4 slots each side

airflow rate	noise level	air velocity	pressure loss	throw
q_v (m³/h)	L_W (NR)	v_k (m/s)	delta p_f (Pa)	L_T (m)*
300	20	2,2	3	1,4
360	25	2,6	3	1,7
420	30	3,1	5	2,1
500	35	3,6	7	2,4
580	40	4,4	12	2,8
740	45	5,2	16	3,4

SUPPLY

3 slots each side

airflow rate	noise level	air velocity	pressure loss	throw
q_v (m³/h)	L_W (NR)	v_k (m/s)	delta p_f (Pa)	L_T (m)*
240	20	2,3	3	1,3
280	25	2,7	4	1,5
350	30	3,3	6	1,8
400	35	3,6	7	2,3
480	40	4,5	12	2,6
580	45	5,5	18	3,3

* L_T at $v_T = 0,4$ m/s and $v_R = 0,17$ m/s

DOUBLE SIDED PULSE DIFFUSER WITH CENTRAL EXTRACTION GRILLE TYPE: TE370

SUPPLY

2 slots each side

airflow rate	noise level	air velocity	pressure loss	throw
q_v (m³/h)	L_W (NR)	v_k (m/s)	delta p_t (Pa)	L_T (m)*
170	20	2,5	3	1,2
220	25	3	5	1,4
240	30	3,5	7	1,7
270	35	4	9	1,9
330	40	5	14	2,4
400	45	5,7	19	2,7

SUPPLY

1 slot each side

airflow rate	noise level	air velocity	pressure loss	throw
q_v (m³/h)	L_W (NR)	v_k (m/s)	delta p_t (Pa)	L_T (m)*
100	20	2,8	4	0,95
120	25	3,4	6	1,1
140	30	4	9	1,4
150	35	4,5	12	1,5
200	40	5,5	18	1,9
220	45	6,5	24	2,2

* L_T at $v_T = 0,4$ m/s and $v_R = 0,17$ m/s

