

Sidewall Grilles

WPT

Introduction

The Waterloo WPT grille is a sidewall grille made with an aluminium frame and a steel perforated plate. Normally mounted at high level. The perforations on the plate are angled to supply air in a fixed direction.

The standard "plenum box" wall mounting that comes with a supply grille is angled so the air stream is trained vertically down the wall and along the floor. This floods the floor with fresh cool air using the displacement principle.

When used for extract the grille should be mounted flush with the wall.

This grille provides a good air distribution with low velocities, low sound levels and minimal air mixing.

Product Description

WPT-T Supply Grille (including inclined plenum)

WPT-R Extract Grille (including AF-subframe)

Features

- High levels of comfort due to low velocities
- No plenum assembly in the duct is necessary
- Low noise levels
- Minimal mixing of the air

Finishes

PPG9010 (RAL 9010 Gloss - 80% Gloss White)

PPM9010 (RAL 9010 Matt - 20% Gloss White)

PPM9006 (RAL 9006 Matt - 30% Gloss Silver)

Other colours available on request

Sizes

Nom. W 225 to 925 mm in 100mm increments

Nom. H = 125 mm

Weights

WPT-T 15.0 kg/m² face area

WPT-R 14.5 kg/m² face area

Fixing Options

WPT-T Fixing plate

WPT-R AFCF (AF-subframe + clip fixing)

Selection Criteria

dBA is noise level based on a room absorption of 8dB for sound power ref 10⁻¹² W.

Selection Example

WPT-T/425/125

Air Volume 21 l/s

Throw on floor 2.6 m

Pressure Drop 6 Pa

Noise Level < 20 dBA

Free Area

35%

ORDER EXAMPLE

WPT-T/425/125/PPM9010

Type _____

Supply/Exhaust _____

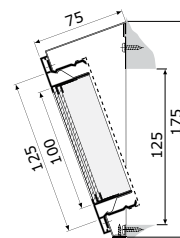
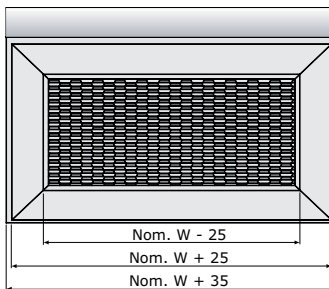
Nominal Width _____

Nominal Height _____

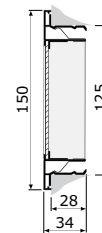
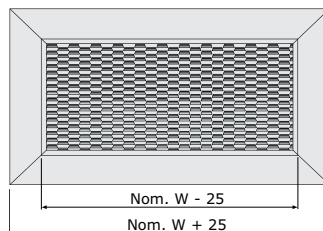
Finish _____



WPT-T



WPT-R



Performance Table

WPT			Supply							
m ³ /h	l/s		225 x 125	325 x 125	425 x 125	525 x 125	625 x 125	725 x 125	825 x 125	925 x 125
50	14	T	3.0							
		P _s	14							
		L _w	-							
75	21	T	4.0	3.0	2.6	2.4	2.2	2.0	1.6	
		P _s	26	12	6	4	3	3	2	
		L _w	31	-	-	-	-	-	-	
100	28	T		3.5	3.2	3.0	2.4	2.2	2.0	1.6
		P _s		20	12	9	6	5	4	4
		L _w		40	-	-	-	-	-	-
125	35	T			3.5	3.2	2.6	2.4	2.2	2.0
		P _s			18	14	9	8	6	5
		L _w			-	-	-	-	-	-
150	42	T			4.0	4.0	3.0	3.0	2.6	2.2
		P _s			26	20	13	12	8	7
		L _w			32	-	-	-	-	-
200	56	T					4.0	3.5	3.2	3.0
		P _s					22	19	14	12
		L _w					36	-	-	-
250	69	T						4.0	4.0	3.5
		P _s						31	22	18
		L _w						39	38	34
300	83	T								4.0
		P _s								26
		L _w								40