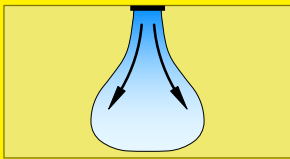
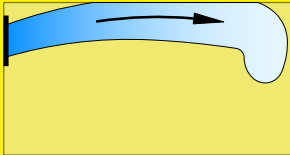
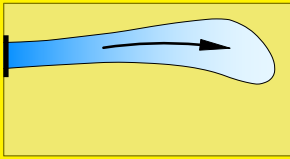


Heavy Duty Adjustable supply air

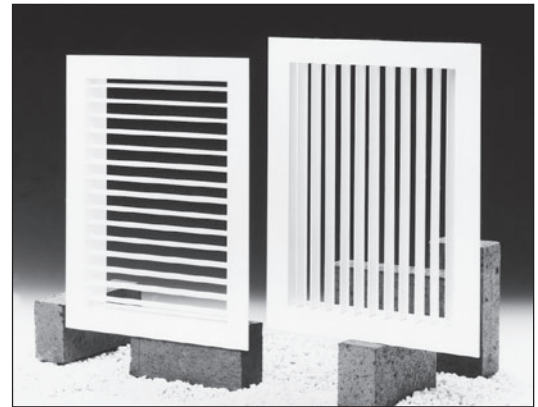
SINGLE / DOUBLE DEFLECTION

introduction



The HD grille is a heavy duty version of the SD/DD range and is ideally suited to industrial applications requiring a robust yet versatile form of air terminal.

As with the SD/DD range, the HD grille is suitable for exposed duct, ceiling or side wall mounting.



type

HD/SDH - HD/SDV - HD/DDH - HD/DDV

control

Opposed blade volume control damper - OB

options

For all additional available options, border styles, fixings, finishes and plenums see document **PART L**

fixings

Standard fixing method is by countersunk screw through the flange - SC

finish

Standard finish is satin anodised aluminium - SAA

sizes

The HD range is available in sizes ranging from 200mm x 200mm to a maximum of 1200mm x 1200mm. Larger sizes can be supplied in sections.

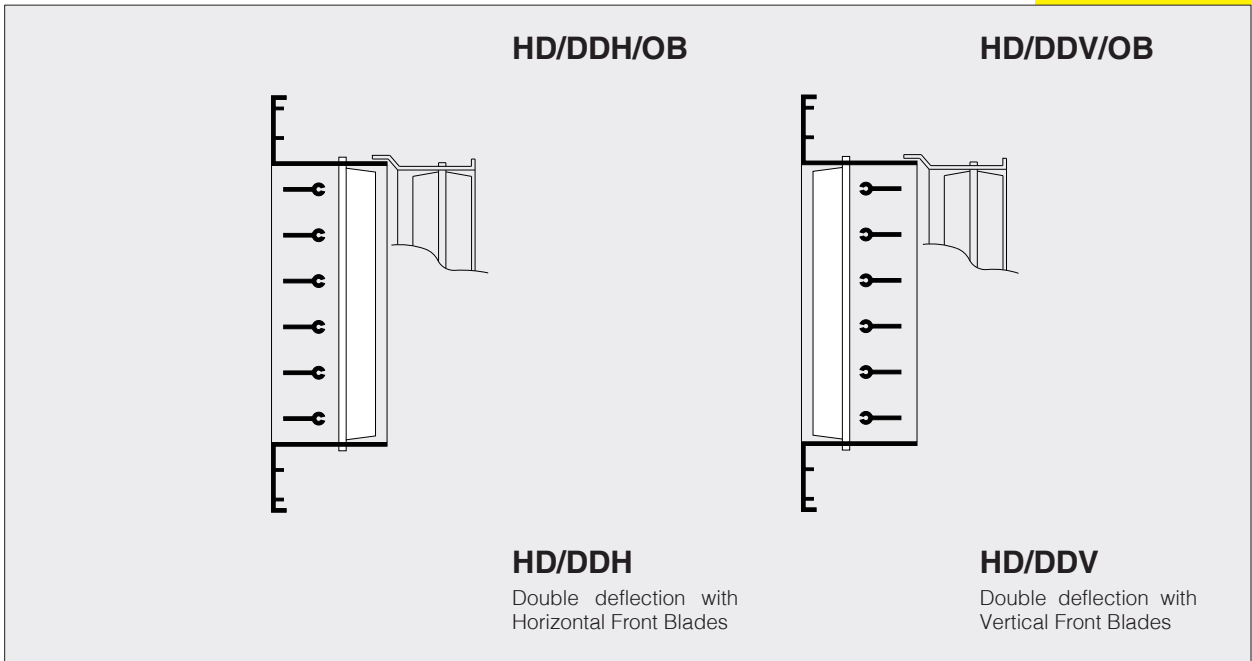
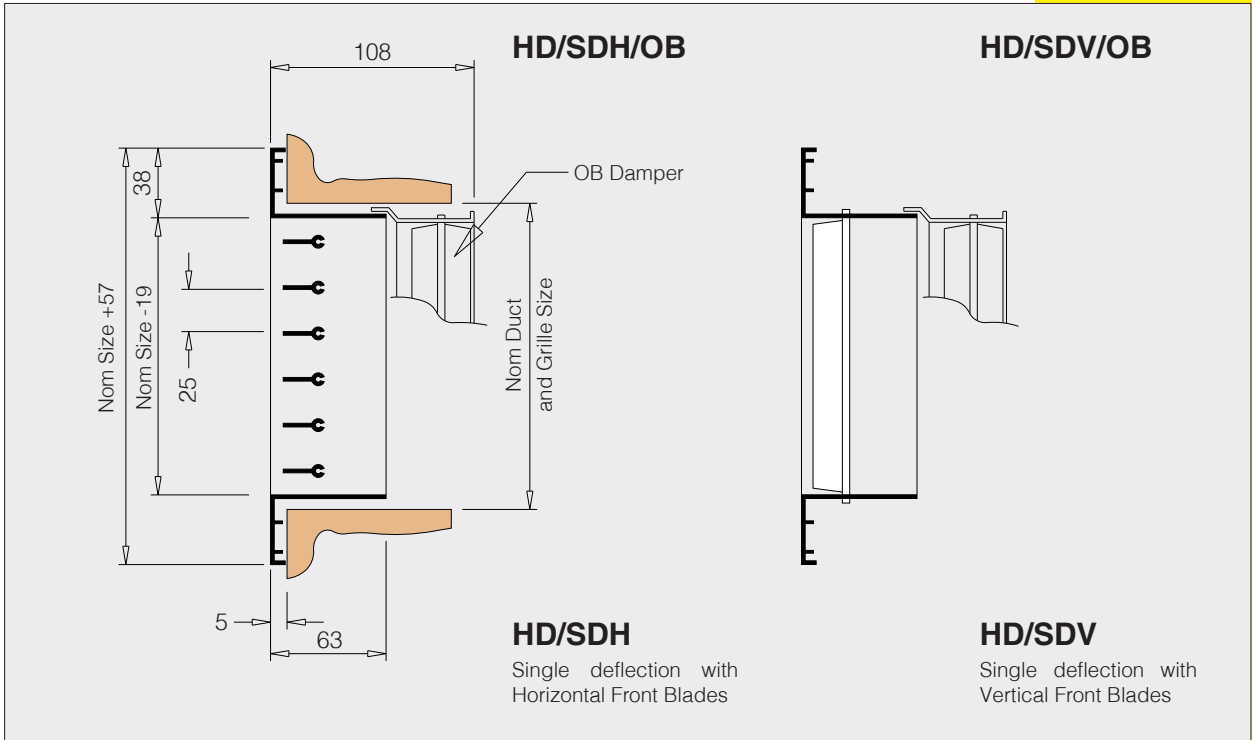
ordering details

example:

type	control	borders	fixing	finish	width	height	quantity
HD/SDH	/ OB	/ 38	/ SC	/ SAA	/ 1000	/ 500	/ 6

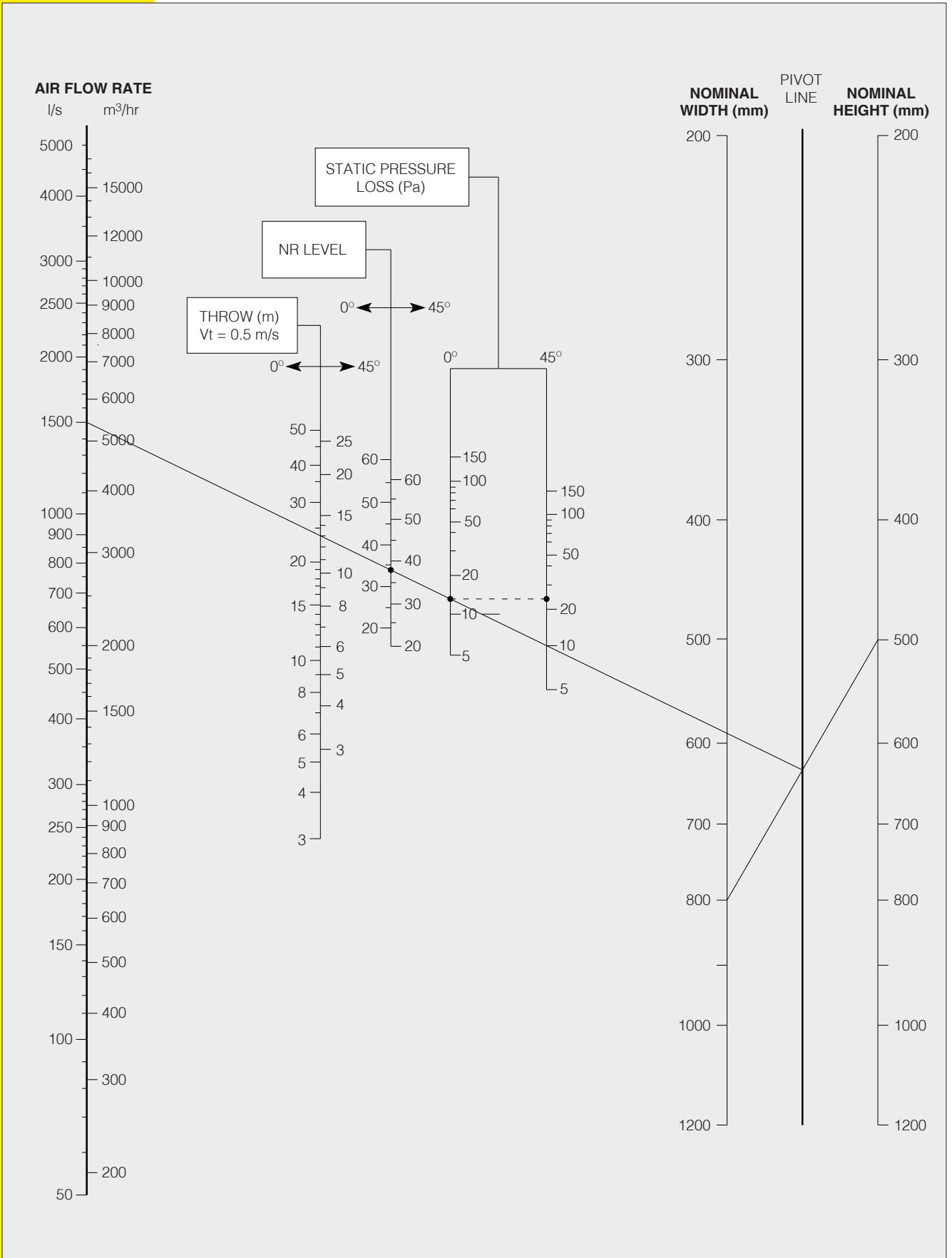
Heavy Duty Adjustable supply air

DIMENSIONS



Heavy Duty Adjustable supply air

SELECTION NOMOGRAM

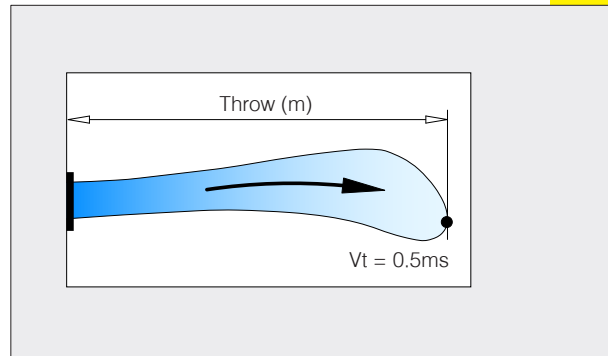


Heavy Duty Adjustable supply air

BASIS OF DATA

Throw data is based on a free jet under isothermal conditions to a terminal velocity (V_t) of 0.5m/s. Where the Grille is to be positioned 600mm or less from a surface, the throws will be increased by a factor of 1.4.

throws



Additional factors can be applied to correct for other terminal velocities and temperature differentials. Jet drops can also be estimated from the nomogram on page 10 of **PART L**. Acoustic data is presented in terms of NR levels based on a room absorption factor of 8dB.

correction factors

TERMINAL VELOCITY CORRECTION FACTORS	
V_t (m/s)	FACTOR
1.0	0.5
0.75	0.6
0.25	1.7

TEMPERATURE CORRECTION FACTORS	
DIFFERENTIAL TEMPERATURE	FACTOR
-10°	0.9
+10°C	1.1

example

SELECTION EXAMPLE				
800mm x 500mm HD/SD GRILLE PASSING AN AIR FLOW RATE OF 1500 l/s	DEFLECTION	THROW (m)	NR	Ps (Pa)
	GRILLE 0° DEF	24	33	14
	GRILLE 45° DEF	13	37	24