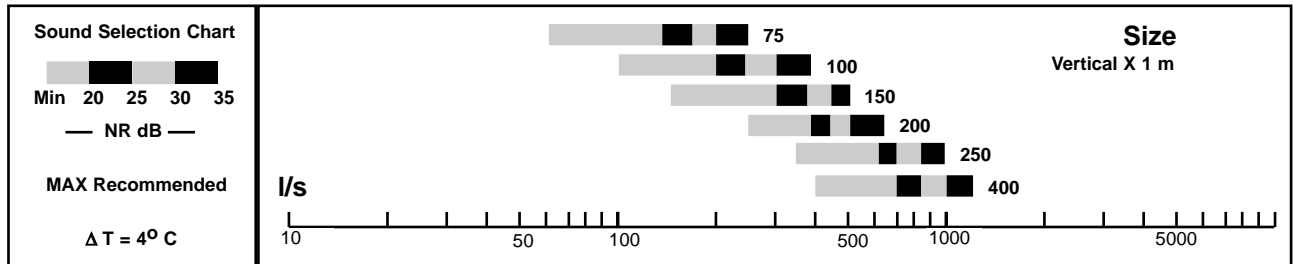


### Selection Guide



### Ordering procedure

Using the chart below select your requirement and substitute the underscored text below.

**Type..X..Y** (X & Y are the nominal neck sizes of the grille, see overleaf.)

**Example:** If your requirement is for a 12" x 8" (300mm x 200mm) standard 15° deflection grille, the ordering code would be **AAFF1208**. (When ordering it is not necessary to include the periods [..])

Product Size Numbers													
"Type"	"X" Size	"Y" Size										Colour	
		04 (100)	06 (150)	08 (200)	10 (250)	12 (300)	14 (350)	16 (400)	18 (450)	20 (500)	24 (600)		
ASFF (0° deflection)	10 (250)												Powdercoat White
AAFF (15° deflection)	12 (300)												
ASTF (0° slim blade)	14 (350)												
AATF (15° slim blade)	16 (400)												
ASIF (0° deflection)	18 (450)												
AAIF (15° deflection)	20 (500)												
ASIF (0° slim blade)	24 (600)												
AAIF (15° slim blade)													
Special													

# 1.22

ASGF

## SLIMLINE FLOOR GRILLE



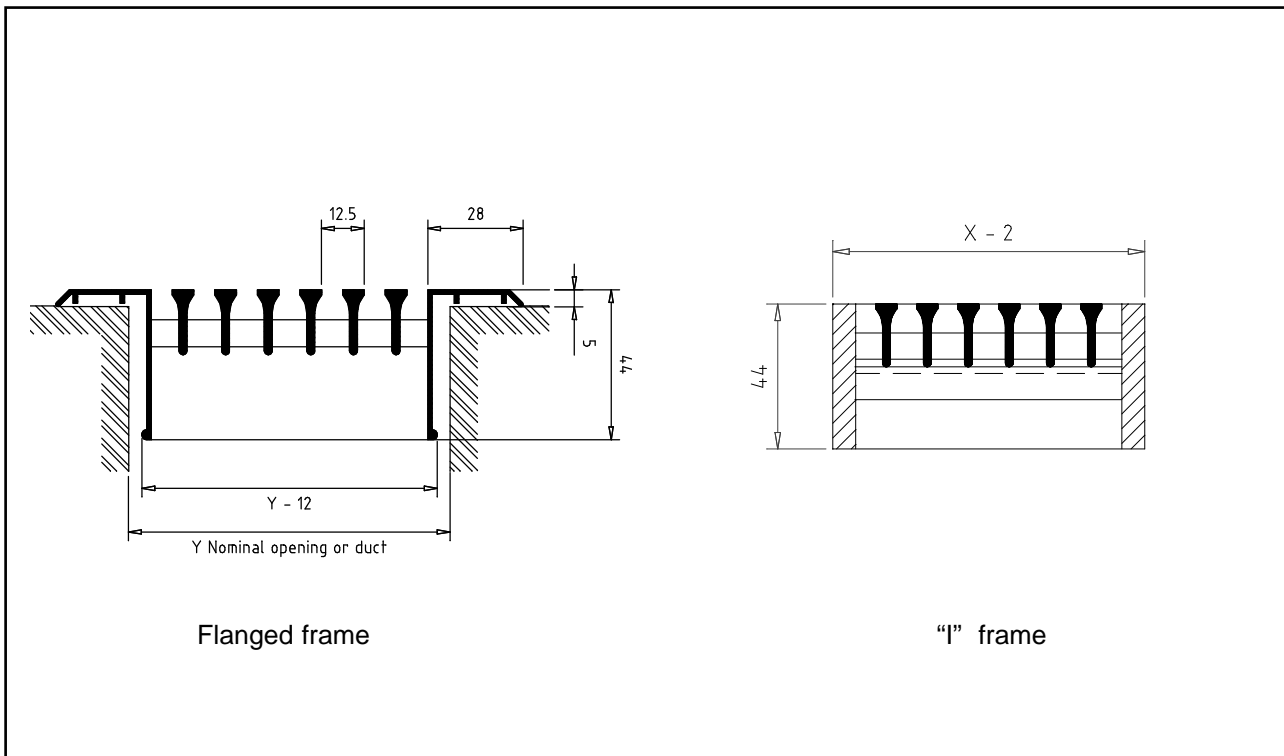
### Description

Model 1.22 (ASGF) grilles have been designed for use in supply, return or exhaust air applications. They are recommended for floor mounting. (for wall mounting refer section 1.21 (ASG)).

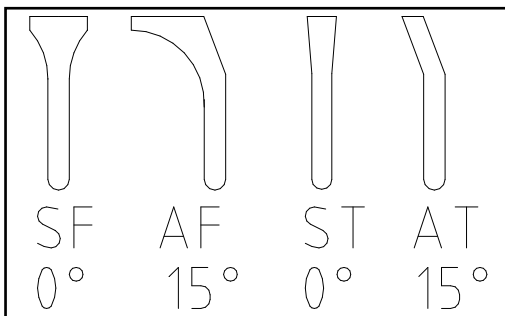
All grille core assemblies are mounted in a sturdy frame and can be either fixed core for security purposes or removable core for easy access. For Y sizes over 500mm and X sizes over 1200mm the core is fixed.

The grilles are manufactured from high quality aluminium extrusion with a choice of four blade styles with 0° or 15° air stream.

Standard finishes are natural anodised and white electrostatic powdercoat. There are also 15 other colours available at no additional cost. Contact your local Bradflo branch for any special requirement you may have.

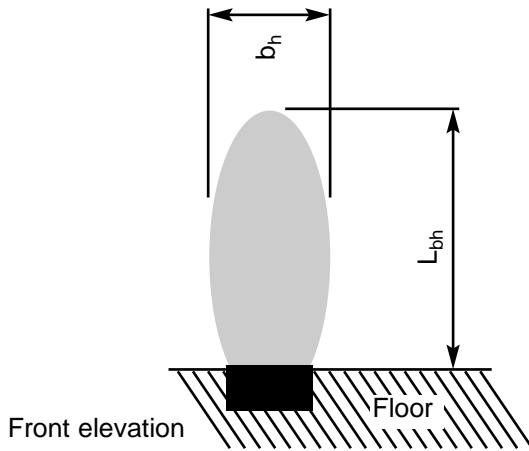


### Blade profiles available

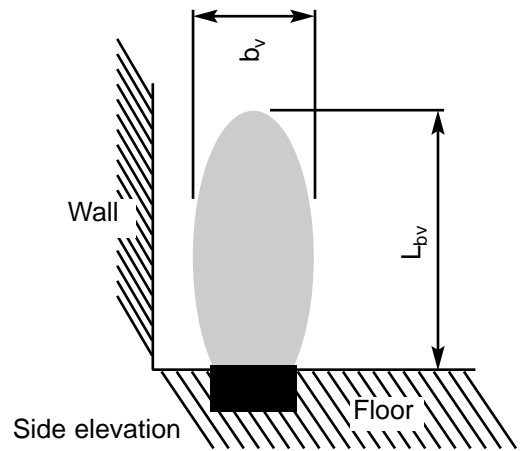


### Important!

The ASGF floor grille (1.22) has been designed to withstand an evenly distributed load of 70 kg with a built in safety factor of two (2). If the load on the grille is likely to exceed 70 kg then that load should be specified at the time of ordering for specific design and pricing.



**0° blowing**  
 $b_h = L_{0.3} \times 0.3 + X$   
 $L_{bh} = L_{0.3} \times 0,6$   
 $X = \text{Nominal width}$



**0° blowing**  
 $b_v = L_{0.3} \times 0.09 + Y$   
 $L_{bv} = L_{0.3} \times 0,5$   
 $Y = \text{Nominal height}$

### Sound data

NR levels for the grille may be determined from the engineering graph.

### Sound power level $L_w$

The generated sound power level  $L_w$  dB is calculated by adding the correction factor  $K_{ok}$  (see table below) to the sound level NR dB according to the formula:

$$L_w = NR + K_{ok}$$

Correction table for grilles of length other than 1 metre

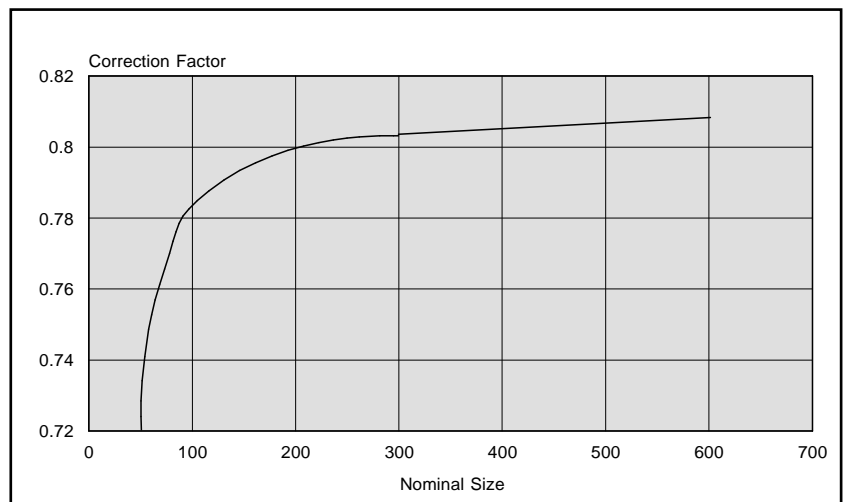
Grille length (m)	0.5	1	1.5	2	3+
Add to NR value	-3	0	+2	+3	+5
Multiply throw by	0.8	1	1.2	1.35	1.5

	Frequency (cycles per second)						
Size	125	250	500	1000	2000	4000	8000
All	+6	+5	+3	-2	-8	-13	-15
Tol +/-	2	2	2	2	2	2	2

Correction factor  $k_{ok}$

### Free Area Factor

To evaluate the free area, the grilles' nominal area is multiplied by  $f_1$  where  $f_1$  is a correction factor and is determined by the graph.



# 1.22

ASGF

## SLIMLINE FLOOR GRILLE



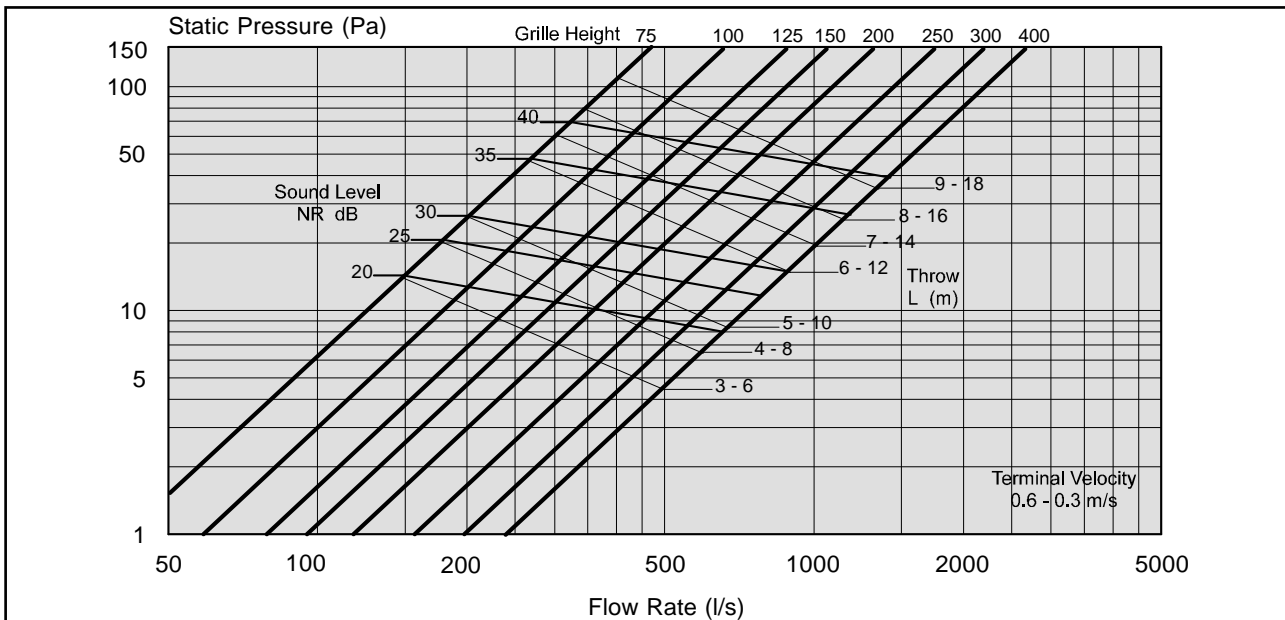
### Engineering Graphs

Throws shown are to a terminal velocity of 0.60 m/s and 0.30 m/s. Throw is given for equal slots in each direction.

Terminal velocity	Approximate air velocity in room
0.60 m/s	0.30 m/s
0.30 m/s	0.15 m/s

These graphs are for selection only and should not be used for commissioning.

ASGF grille x 1000 mm long ("X" dim)



For return or exhaust air, the pressure drop and noise level may be calculated as follows.

Pressure drop  
 $P_{dra} = P_d \times 1.2$

Noise level  
 $NR_{ra} = NR + 8$