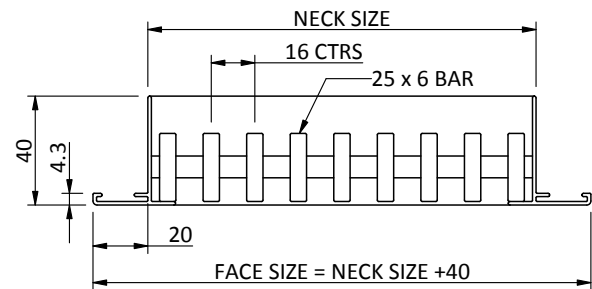


## FLOOR BAR GRILLE Model ADFG



ADFG

### DESIGN DETAILS (mm)



### APPLICATIONS

Floor grilles are a secure type grille for supply or return air applications.

Heavy duty floor grilles are also available as a trafficable product with the inclusion of support bars and angles secured behind the blades

Balancing dampers can be fitted behind the grille to control air distribution.

Core Velocity		2.0 m/s	2.5 m/s
Nominal Size	Neck Area	L/s	L/s
300 x 100	0.03m <sup>2</sup>	30	37
300 x 200	0.06m <sup>2</sup>	67	84
400 x 200	0.08m <sup>2</sup>	90	112
500 x 200	0.10m <sup>2</sup>	112	140
600 x 300	0.18m <sup>2</sup>	209	262
600 x 400	0.24m <sup>2</sup>	285	356
600 x 600	0.36m <sup>2</sup>	435	544

### FEATURES

Constructed of extruded lightweight aluminium, will not rust or corrode.

Blade 25 x 6mm flat aluminium bar at 16mm centres (10mm spaces).

Angle welded to back of grille for strength (where required or specified).

Standard finish powder coat satin white.



## FLOOR BAR GRILLE Model ADFG

### ACOUSTIC AND AIRFLOW PERFORMANCE

SOUND POWER LEVEL, dB re 1E-12 W OCTAVE BAND CENTRE FREQUENCY (Hz)										
Qs (L/s)	Ps (Pa)	T (m)	NC	125	250	500	1000	2000	4000	8000
511	5	>4	29	52.4	50.1	39.0	35.4	33.9	27.3	-
698	10	>4	38	61.4	57.6	49.2	47.5	46.5	42.4	35.5
777	12.5	>4	41	64.2	59.8	52.8	50.5	49.7	46.4	40.5
850	15	>4	44	66.7	61.5	54.8	52.8	52.3	49.0	42.8
966	20	>4	48	70.2	64.4	58.7	56.7	56.2	54.0	48.7
1069	25	>4	51	72.1	66.8	61.9	60.5	59.7	58.1	53.0
1159	30	>4	56	73.5	67.7	63.0	62.4	62.1	59.3	54.5
1238	35	>4	58	75.8	69.6	64.8	64.5	64.3	61.5	56.6
1322	40	>4	60	76.3	70.4	66.4	65.2	64.9	62.6	57.2
1385	45	>4	61	78.2	71.7	66.9	66.6	66.2	63.8	59.3
1460	50	>4	63	80.2	73.0	68.3	67.6	67.1	64.8	60.8

Qs	Primary Air Flow Rate (L/s)
Ps	Supply Static Pressure (Pa)
T	Vertical Throw in meters to a terminal velocity of 0.25 m/s (m)
-	Insufficient margin above background noise to allow accurate determination
>	Length of throw greater than that able to be measured
NC	Noise Criterion based upon room absorption of 10 dB