



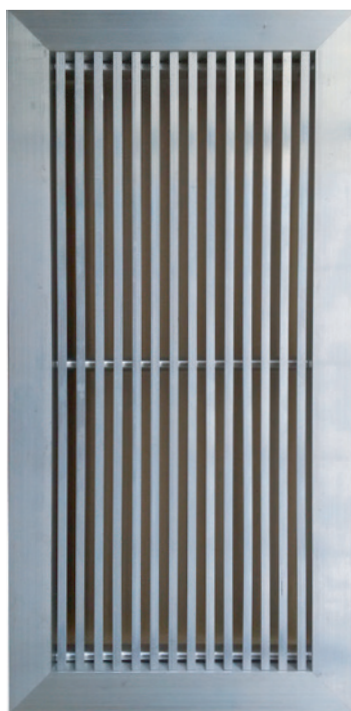
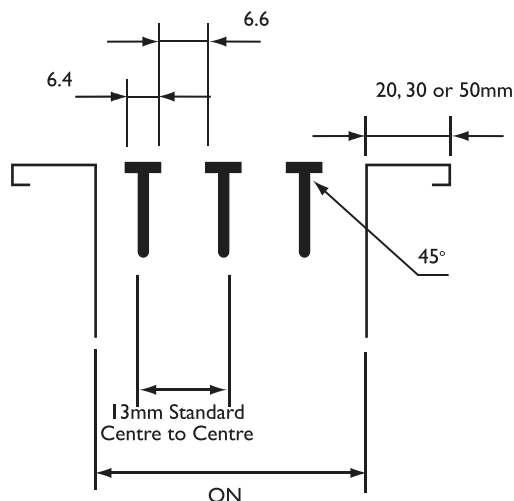
AFRICA AIRCONDITIONING & INSULATION SYSTEMS

YOUR ONE STOP HVAC SUPPLIER

TECHNICAL CATALOGUE
Strip Grille (SGS & SGT)



STRIP GRILLE



CONVERSION FACTORS

CFM X 0,000472	= m3/s
FPM X 0,005	= m/s
inches WG X 250	= N/m2
INCHES X 25.4	= mm

TYPE SGT (0 DEGREE DEFLECTION)

Strip Grilles manufactured of extruded Type 50S anodising grade aluminium with fixed blades. These grilles can be used either vertically or horizontally.

They can be used as supply or return Air Grilles and also for fancoil and induction units, and can incorporate access flaps.

OPTIONAL ACCESSORIES

OBD = Opposed Blade Damper
PC = Punched counter sunk holes
CF = Concealed Fixing

FRAME OPTIONS

30mm Standard
20mm
50mm

BLADE SPACINGS

13mm Standard
19mm
21mm
26mm

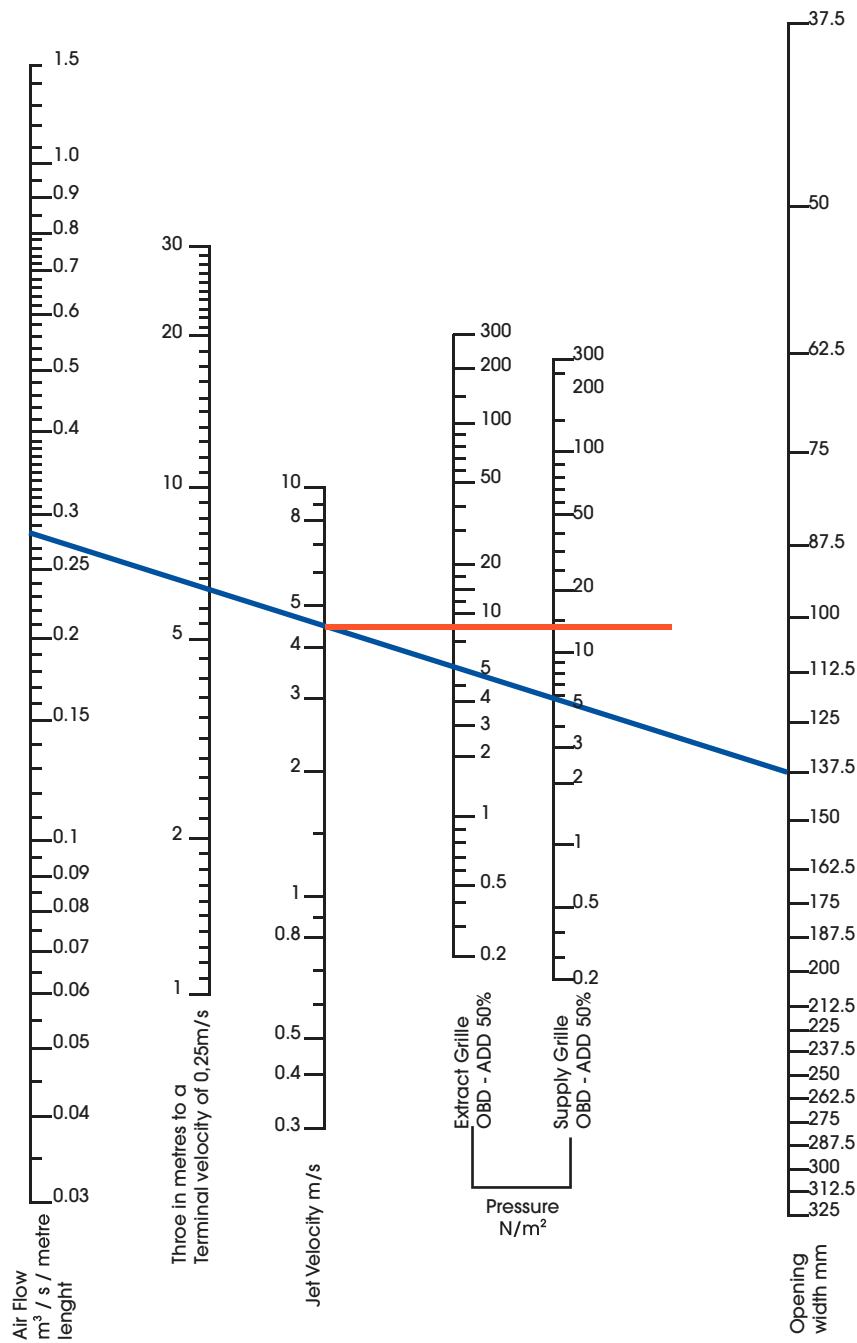
NOTES

- 1) For dimensional data refer to sheet SGT.
- 2) Selection data is for 13mm blade spacing.
- 3) Selection data is based on m3/s/metre width.
- 4) Jet velocity is actual velocity between blades. Average face velocity (25mm from grille) - 65% of jet velocity.
- 5) Type SGT usually only used for extract.

EXAMPLE

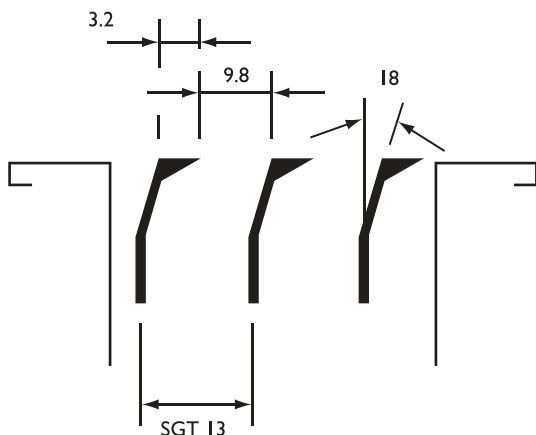
- (Selection based on 1 metre lengths of grille)
- Type SGT
 - For 0,278 m3/s/metre and 6 metre throw use 137,5mm wide grille (duct width)
 - Jet velocity - 4,6m/s
 - Pressure drop - 9N/m2 (Extract) or 12N/M2 (Supply)

SELECTION DATA



NOTE: FOR SELECTION PROCEDURE AND GENERAL NOTES SEE PREVIOUS PAGE

STRIP GRILLE



TYPE SGS (18 DEGREE DEFLECTION)

Strip Grille manufactured of extruded Type 50S anodising grade aluminium with fixed blades. These grilles can be used either vertically or horizontally.

They can be used as Supply or Return Air Grilles and also for fancoil and induction units, and can incorporate access flaps.

OPTIONAL ACCESSORIES

OBD = Opposed Blade Damper

PC = Punched counter sunk holes

CF = Concealed Fixing

FRAME OPTIONS

30mm Standard

20mm

50mm

BLADE SPACINGS

13mm Standard

19mm

21mm

26mm

NOTES

- 1) Selection data is for 13mm blade spacing.
- 2) Selection data is based on m³/s/metre width.
- 3) Jet velocity is actual velocity between blades. Average face velocity (25mm from grille) - 65% of jet velocity.
- 4) Type SGS usually only used for extract.

EXAMPLE

(Selection based on 1 metre lengths of grille)

- For 0,3 m³/s/metre and 6 metre throw use 150mm wide grille (duct width)

- Jet velocity - 3m/s

- Pressure drop - 6N/m² (Extract) or 8N/M² (Supply)

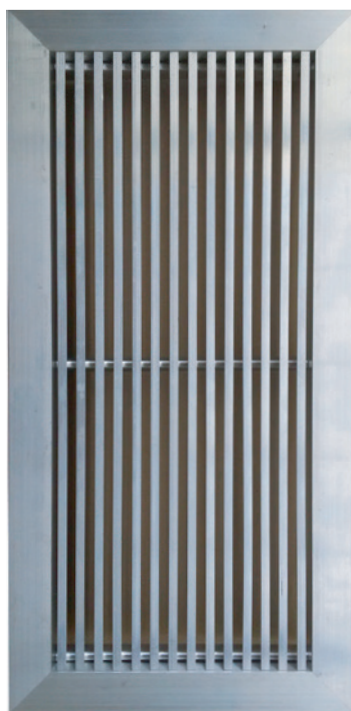
CONVERSION FACTORS

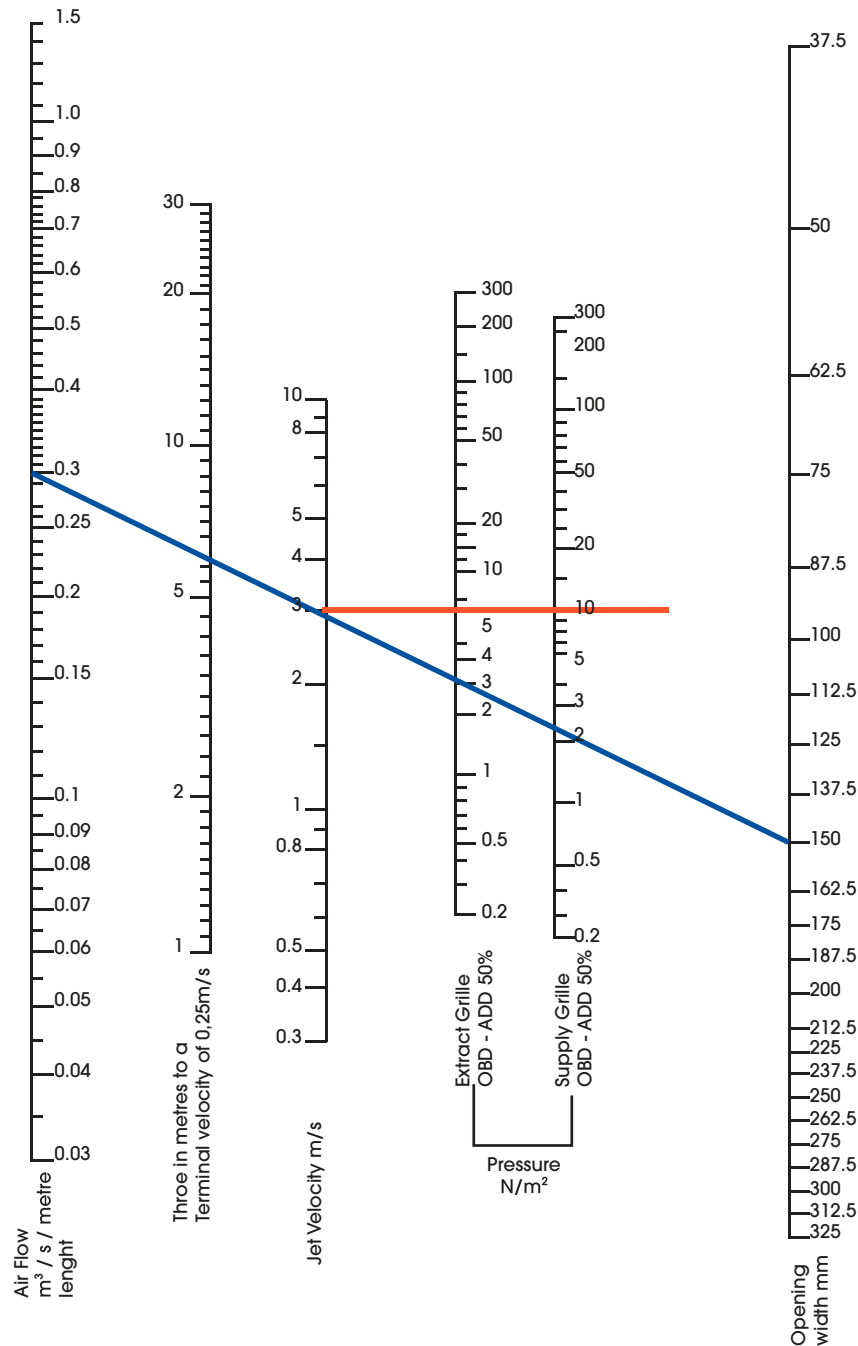
CFM X 0,000472 = m³/s

FPM X 0,005 = m/s

inches WG X 250 = N/m²

INCHES X 25.4 = mm





NOTE: FOR SELECTION PROCEDURE AND GENERAL NOTES SEE PREVIOUS PAGE

NB : All dimensions for preparation of apertures must be confirmed with your sales representative prior to the work being done to avoid disappointments.

STOCKIST OF :

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