

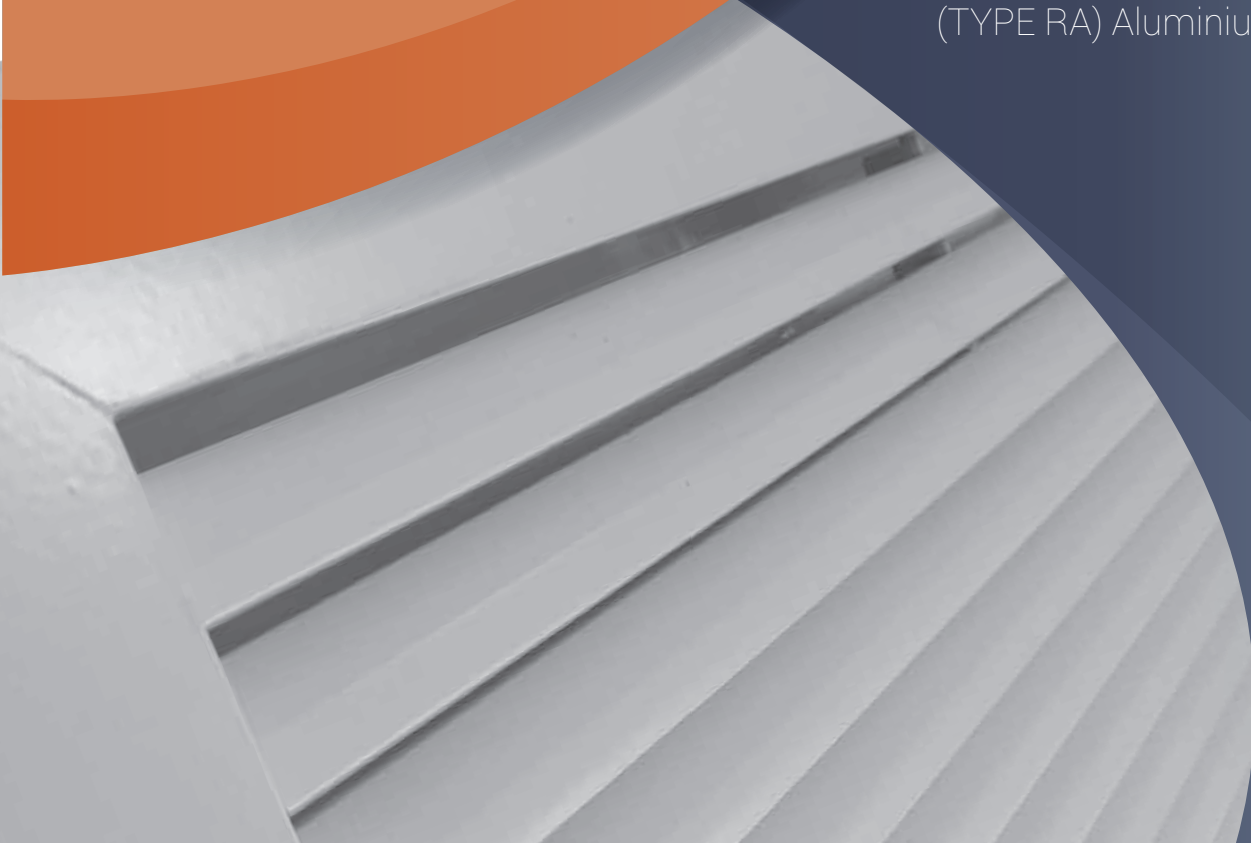


# AFRICA AIRCONDITIONING & INSULATION SYSTEMS

YOUR ONE STOP HVAC SUPPLIER

## TECHNICAL CATALOGUE

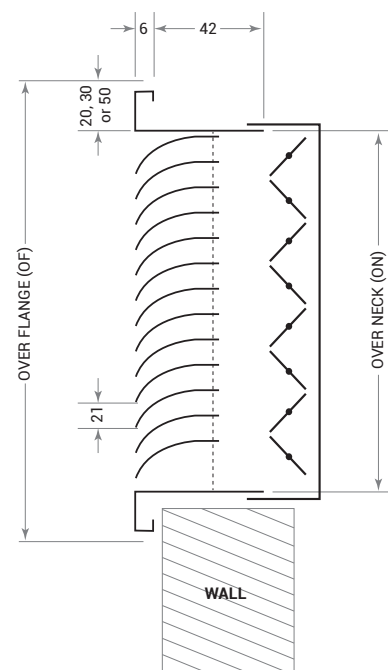
Return Air Grille  
(TYPE RA) Aluminium



## RETURN AIR GRILLE

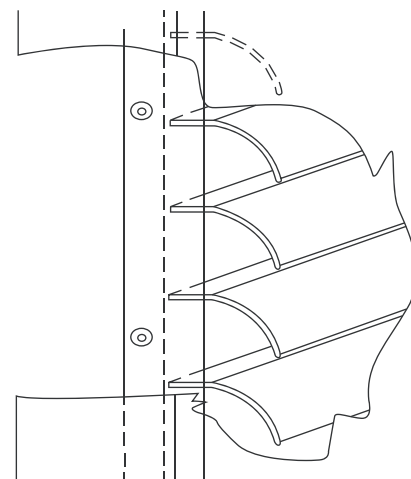


These grilles are constructed of light weight extruded aluminium with or without damper attached. The standard grilles are available with fixed horizontal blades spaced 21mm apart. Fixed curved blade profile giving a low see through characteristics with 45° deflection.



### FEATURES & CONSTRUCTION

- Different spacing can be ordered as a special request.
- The frame is constructed of 1.3mm thickness extruded aluminium with curved fins of extruded aluminium of 1.2 to 1.6mm thickness.
- The damper is constructed from extruded aluminium blades and frame.
- Grille can be furnished with powder coated white finish preceded by a five stage preparation process of cleaning, phosphatising and drying.
- Other colours are available on request.
- Grilles can also be supplied as natural anodised.
- For outside weatherproof applications the Return Air Ribbed Blade (RARB) can be ordered. This type is particularly suited to grilles for console air conditioners.
- This grille may be mounted vertically or horizontally.



### OPTIONAL EXTRAS

- OBD = Opposed Blade Damper
- PC = Punched counter sunk holes
- CF = Concealed Fixing
- FS = Rear Fixing Straps

### FRAME OPTIONS

- 30 (Standard)
- 20mm
- 50mm

### FINISHING OPTIONS

- (NA) = Natural Anodised
- (EPC) = Powder Coated
- (WS) = Wet Spray

### STANDARD SIZES

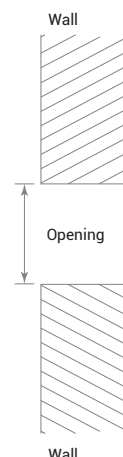
- 595 X 595
- 1195 X 595

### TERMINOLOGY

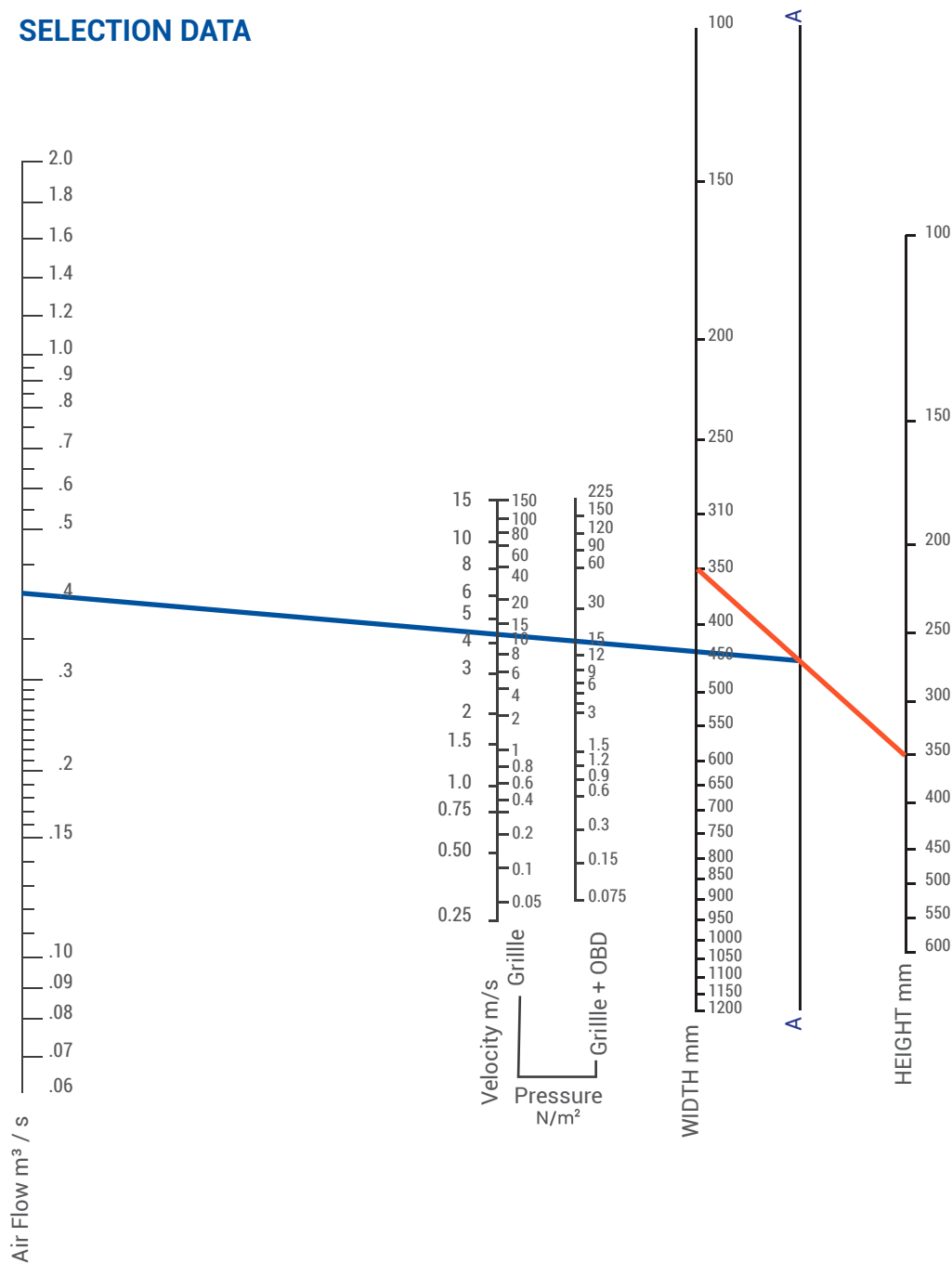
- OF = Over Flange
- ON = Over Neck
- HS = Hole Size
- NA = Natural Anodised
- PC = Powder Coated
- WS = Wet Spray

### OTHER TERMINOLOGY

1. Clear Opening
2. Hole Size
3. Opening
4. Duct Size



## SELECTION DATA

**EXAMPLE**0,4 $\text{m}^3/\text{s}$  AT 4M/S

— USE 350mm x 350mm

— PRESSURE DROP IS 10 $\text{N/m}^2$ GRILLE + OBD PRESSURE DROP IS 15 $\text{N/m}^2$ .

BY PIVOTING ON LINE A-A, ALTERNATIVE DIMENSIONS ARE OBTAINED.

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 :

- » Grilles & Diffusers
- » Sheet Metal Products
- » Insulation Products
- » Dampers
- » Flexible Ducting
- » Condensate Pumps
- » Fans
- » Adhesives & Sealants
- » Duct Board
- » Aircon Accessories
- » Fibreglass Insulation
- » Closed Cell Insulation
- » Copper Insulation



### **AFRICA AIRCONDITIONING & INSULATION SYSTEMS (PTY) LTD**

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Unit 1A Buro Centre, 11 Garth Road,  
Mayville, Durban, South Africa

t: +27 87 135 7120

e: [sales@africaaircon.co.za](mailto:sales@africaaircon.co.za)

w: [www.africaaircon.co.za](http://www.africaaircon.co.za)