Data sheet

Roundel 250W Air curtain

Manufacturer: Masterveil AB
Swedish name: Roundel 250W
European name: Roundel 250W
Model: Roundel 250W

This high pressure air curtain is of the decentralized type with a custom made outblow drum with exact size to the specified length in mm till max 2200mm (model 225) and 3000mm (Model 250).
The outblow drum is curved and therefor adapted to the exact radius of the roundel door.
You can choose between standard Aluzinc or RAL colour choosen by architect.
The fan of this series has a capacity up to 3750 m^3/h. The fan has an adjustable operating point so a vacuumpoint or zeropoint can be reached as proof of proper functioning at the set conditions.
This model is specially designed to be independent from existing H20 warm water feeding for comfort regulation through the use of electrical heating line.
System can be used with electric resistance or water battery.
Building technical adaptability:
By placement difficulties, it is possible to adapt height/width of the outblowdrum
The system is designed to deliver in following versions:
• horizontal and curved setup
Energy saving options:
• The system is ready to recover energy from ceiling before sending any steeringsignal to heatvalves.
• The system is ready to be switched on/off depending on door position
Application-oriented adaptability:
Through it's rectangular design, it is easy to extend your system with additional components like :

- 9/12/15 kW ELECTRICALHeating line (for 225E)
- 12/15/18 kW electrical Heating line (for 250E)
- Intake plenum
- Bag filter (not in combination with electrical heater)

Technical dataRoundel 250W:

Dimensions DxH: 200x350mm
Drumlength: Custom made
Diameter ducting: 315mm
Voltage:230V
Current:6A
Power: 1,25kW
Volume (WP): 2800m³/h
Volume (MAX volume /minimum Pa): 3750/100pa m³/h
Pressure (max.): 380Pa
Sound: 66db(A)
Environment temperature: 40 /-40°C
Heating: H2O
Weight: 200kg
Number of fans: 1
Type of fan: Double inlet radial
Condensator: veld µF
Filter: veld
IP: 20
Motor protection: Ext
Design: Radius
Color: 9010RAL
Othercolors: Opt
Stainless steel: Opt
Built-in possible: -

steering: see separate file

drawing: see separate cad-file