

Roundel 250E Air curtain

Manufacturer: Masterveil AB

Swedish name: Roundel 250E

European name: Roundel 250E

Model: Roundel 250E

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 m³/h. The fan has an adjustable operating point so a vacuum point or zero point can be reached as proof of proper functioning at the set conditions.

This model is specially designed to be independent from existing H2O 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 outblow drum

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 steering signal to heat valves.
- 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 ELECTRICAL Heating line (for 225E)
- 12/15/18 kW electrical Heating line (for 250E)
- Intake plenum
- Bag filter (not in combination with electrical heater)

Technical dataRoundel 250E:

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: El.

Weight: 175kg

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