



RDS

Discreet air curtain for revolving doors, with intelligent control

RDS is an ideal air curtain solution for revolving doors. The air curtain is installed above the door and the exhaust duct is adapted to the diameter of the door, which gives a neat and discrete solution.

- Customised production based on the product key.
- The SIRE control system offers the possibility of frost protection for water heated units.
- The front of the duct is covered by a duct panel that is available in polished high gloss, polished or brushed stainless steel. It is also available in powder coated steel, in any RAL/NCS colour. Exhaust duct and air curtain in powder coated steel, white, RAL 9016. Aluminium louvres.

🌬 Ambient, no heat - RDS A (IP20)

Type	Output [kW]	Airflow* ¹ [m ³ /h]	Sound power* ² [dB(A)]	Sound pressure* ³ [dB(A)]	Voltage [V]	Amperage [A]	Length [mm]	Weight* ⁷ [kg]
RDS23A	0	950/2000	77	43/61	230V~	2,2	1000	80
RDS29A	0	1100/2600	79	47/63	230V~	4,4	1000	100
RDS38A	0	1550/3700	80	47/64	230V~	6,2	1500	150
RDS56A	0	2150/5200	81	48/65	230V~	8,7	2000	200
RDS65A	0	2600/6300	82	48/66	230V~	10,5	2500	220

⚡ Electrical heat - RDS E (IP20)

Type	Output steps [kW]	Airflow* ¹ [m ³ /h]	Δt* ⁴ [°C]	Sound power* ² [dB(A)]	Sound pressure* ³ [dB(A)]	Voltage [V] Amperage [A] (control)	Voltage [V] Amperage [A] (heat)	Length [mm]	Weight* ⁷ [kg]
RDS23E08	2,7/5,4/8,1	950/2000	26/12	77	43/61	230V~/2,2	400V3~/11,7	1000	80
RDS29E12	3,9/7,8/12	1100/2600	33/14	79	47/63	230V~/4,4	400V3~/16,9	1000	100
RDS38E18	6,0/12/18	1550/3700	35/14	80	47/64	230V~/6,2	400V3~/26,0	1500	150
RDS56E23	7,8/15/23	2150/5200	32/13	81	48/65	230V~/8,7	400V3~/33,8	2000	200
RDS65E30	9,9/19/30	2600/6300	35/14	82	48/66	230V~/10,5	400V3~/42,9	2500	220

💧 Water heat - RDS WL, coil for low water temperature (≤80 °C) (IP20)

Typ	Output* ⁵ [kW]	Output* ⁶ [kW]	Airflow* ¹ [m ³ /h]	Δt* ^{4,5} [°C]	Δt* ^{4,6} [°C]	Water volume [l]	Sound power* ² [dB(A)]	Sound pressure* ³ [dB(A)]	Voltage [V]	Amperage [A]	Length [mm]	Weight* ⁷ [kg]
RDS23WL	9,4	16	950/1950	19/14	32/24	2,2	77	43/61	230V~	2,2	1000	80
RDS29WL	10	17	950/2200	19/13	32/23	2,2	79	47/63	230V~	4,0	1000	100
RDS38WL	15	26	1300/3100	20/14	34/25	3,4	80	47/64	230V~	5,6	1500	150
RDS56WL	22	37	1850/4400	20/14	34/25	4,5	81	48/65	230V~	7,9	2000	200
RDS65WL	28	48	2250/5300	21/15	35/26	5,7	82	48/66	230V~	9,5	2500	220

*¹) Lowest/highest airflow of totally 5 fan steps.

*²) Sound power (L_{WA}) measurements according to ISO 27327-2: 2014, Installation type E.

*³) Sound pressure (L_{pA}). Conditions: Distance to the unit 5 metres. Directional factor: 2. Equivalent absorption area: 200 m². At lowest/highest airflow.

*⁴) Δt = temperature rise of passing air at maximum heat output and lowest/highest airflow.

*⁵) Applicable at water temperature 60/40 °C, air temperature, in +18 °C.

*⁶) Applicable at water temperature 80/60 °C, air temperature, in +18 °C.

*⁷) Approximate weight for air curtain and duct.

Select air curtain

To select which air curtain to order, multiply the width with the height of the opening of the revolving door, to get the surface of the opening. To create comfort in the entrance area between 3,5 and 5 kW heating per square metre of opening, depending on the lowest outdoor temperature, is needed.

Contact Frico before ordering for more information about the product and special adaptations.

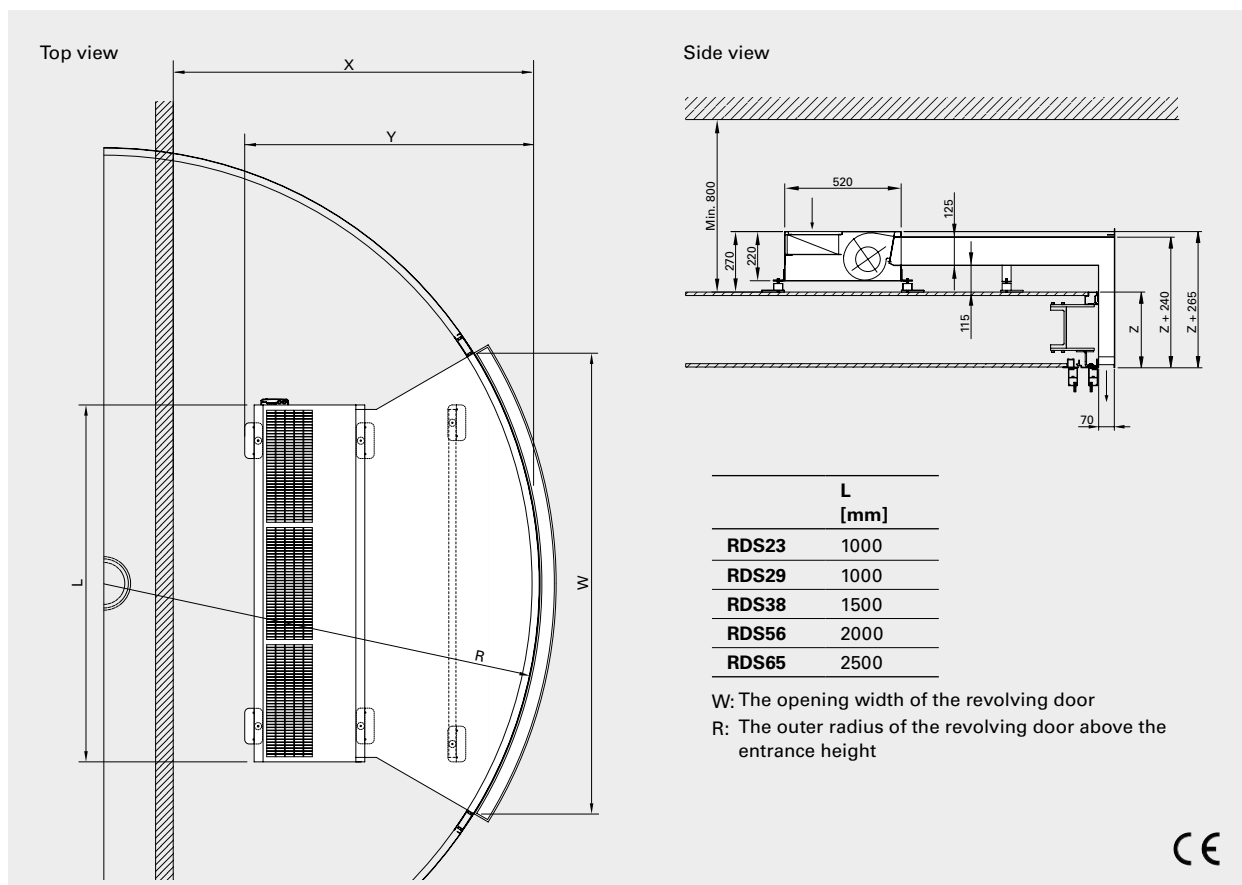
Product key

Type - R - W - X - Z - Material / colour
 Example: RDS56WL - 2500 - 2900 - 2350 - 500 - P

Type	See Technical specifications.
R	The outer radius of the revolving door above the entrance height.
W	The opening width of the revolving door
X	The largest distance between the outer radius R of the revolving door and the wall to the outside
Z	The height between the inner ceiling of the revolving door (the position of the outlet of the duct) up to the outer roof of the revolving door (where the air curtain is mounted).
Material/ colour	P = Polished stainless steel B = Brushed stainless steel MP = Mirror polished stainless steel State RAL-kod = Powder coating RAL State NCS-kod = Powder coating NCS Only valid for duct cover plate. Air curtain and duct are made of powder lacquered steel panels, white, RAL9016.

Y is variable, depending on the other dimensions in the product key.

Dimensions



Control



SIRe Basic



SIRe Competent



SIRe Advanced

This air curtain is supplied prepared for the SIRe control system that has many smart and energy saving functions. There are three different levels with different functionality to choose from, Basic, Competent or Advanced. Water heated units must always be supplemented with valves.

For further information and options, see the "Controls" section.

