

Air Conditioning
Cooling



Heating
Ventilation

HVAC air curtains

Type CircleAir

HVAC®

Air curtains

Revolving door air curtain

CircleAir-EC



The type **CircleAir-EC** is a special designed air curtain for revolving doors, in traditional proven designs. The solid self-supporting construction of the basic case with lateral fixing points (adjustable feet) and the design-dependent blower channels are made of sendzimir galvanized sheet-steel. The visual range of the air curtain type **CircleAir-EC** is designed without screw and rivet connections outside and finishing with an extra canopy powder coated in any RAL colour.

The hot water model of the **CircleAir-EC** includes a copper/aluminium heating system, which is designed for high performance and a broad range of applications. The heating connections are located by default on the right side from the unit.

The electrically heated version employs resistor heaters 400 V of corrosion-resistant, helical ribs with thermal overheating protection.

Depending on the power classes a number of double-surged and anti-vibration borne radial fans, equipped with energy saving EC motor, are supplied with direct current and are extremely silent in the operation and provide the power-specific airflows.

The suction is accomplished through an intake louver and an EU2 filter behind it, which can be easily replaced or cleaned.

The air-blow is accomplished with a combination of an airflow baffle chamber with integrated air deflectors for an optimum air duct into the critical areas and an integrated blower grid that is adjusted to the radius of the revolving door.

The louver shutter contains aerodynamic vertical aligned drop-shaped aluminium ribs, which are available as anodized model or can be painted in the same colour als the additional canopy.

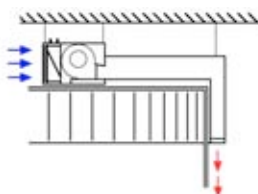
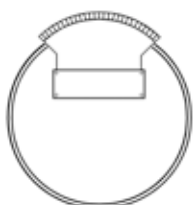
Regulation airflow with five-stage touch button control (hot water) or five-stage air control and three-stage heat control (electrical). Including hand/auto and summer/winter operation control.

Delivered with 20-meter length of regulating cable with 2 x RJ45 connectors.

Designs and Specifications

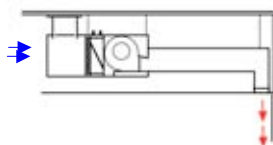
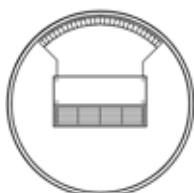
Type **CircleAir-EC 1** (surface mounting)

- Air curtain for revolving doors in surface mounting
- Suitable for 2-, 3- or 4- wings doors
- Front air inlet
- Front panel for support in RAL colour powder coated, stainless steel, grain 240 or aluminium.
- The blow out is accomplished in the interior of the room, in front of the revolving door



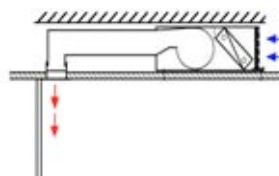
Type **CircleAir-EC 2** (build in mounting)

- Air curtain for revolving doors in installation design
- Suitable for 2-, 3- or 4- wing doors
- Top, bottom or front air inlet, via suction chamber
- Blow out inside the revolving door, at the passage to the room



Type **CircleAir-EC 3** (suspended ceiling mounting)

- Air curtain for revolving doors in suspended ceiling design
- Suitable for 2-, 3- or 4- wings doors
- Front side suction or at the bottom above the suction chamber
- The blow out is accomplished in the interior of the room, in front of the revolving door



Our air curtains are TÜV SÜD certified.

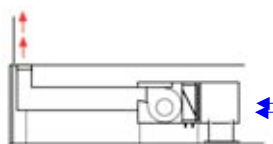


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Type **CircleAir-EC 4** (floor mounting)

- Air curtain for revolving doors in installation design
- Suitable for 2-, 3- or 4- wing doors
- Top, bottom or front inlet, via suction chamber
- Blow inside the revolving door, at the passage to the room



Specifications

Revolving door outside diameter	m	1,5 - 2,3	2,4 - 3,5	3,6 - 4,4	4,5 - 5,4	5,5 - 6,5
recommended type up to max. 2.60 m blow height		1010*	1015*	1020*	1025*	1030*
Air flow	max. m ³ /h	1.800	2.700	3.600	5.400	6.300
Heating capacity, max.	70/50 °C kW	12,5	17,6	26,6	39,2	47,2
Heating medium	°C	70/50°C	70/50°C	70/50°C	70/50°C	70/50°C
Flow	max.** m ³ /h	0,55	0,77	1,17	1,71	2,07
Water pressure	kPa	4,99	1,17	4,18	9,37	14,82
Heating connections	inside inch	3/4"	3/4"	3/4"	1 "	1 "
Electrical Heater 3-stage 400 V	kW	3/6/9	5/10/15	6/12/18	10/20/30	10,6/21,3/32
Ventilator motor data	A	1,4	2,1	2,8	4,2	4,9
	kW	0,30	0,44	0,59	0,89	1,04
	V/Hz	230/ 50	230/ 50	230/ 50	230/ 50	230/ 50
Noise level	max.** dB(A)	≤ 40-52	≥ 40-53	≥ 42-55	≥ 44-59	≥ 44-60
Weight (basic model)	ca. kg	55	83	105	130	160
Dimensions Basic model	Width mm	1000	1500	2000	2500	3000
	Height mm	240	240	240	240	240
	Depth*** mm	390	390	390	390	390

* the specifications are only for referenc, as the exact data have to be adapted to the specific door diameter, height

clearance angle and assembly method of the air flow.

** Measuring point in 3m - lateral distance

*** Specification of the device depth without shift support

Revolving door outside diameter	m	1,5 - 2,3	2,4 - 3,5	3,6 - 4,4	4,5 - 5,4	5,5 - 6,5
recommended type up to max. 3.00 m blow height		1510*	1515*	1520*	1525*	1530*
Air flow	max. m ³ /h	2.700	4.500	5.400	6.300	7.200
Heating capacity	max. kW	16,4	34,6	33,7	42,4	50,8
Heating medium	°C	70/50°C	70/50°C	70/50°C	70/50°C	70/50°C
Flow	max.** m ³ /h	0,72	5,51	1,48	1,85	2,22
Water pressure	kPa	7,8	10,6	3,6	5,8	8,83
Heating connections	inside gas	3/4"	3/4"	3/4"	1 "	1 "
Electrical Heating 3-stage 400V	kW	5/10/15	7,5/15/22,5	10/20/30	10,6/21,3/32	10,6/21,3/32
Ventilator Motor data	A	2,1	3,5	4,2	4,9	5,6
	kW	0,44	0,74	0,89	1,04	1,18
	V/Hz	230/ 50	230/ 50	230/ 50	230/ 50	230/ 50
Noise level	max.** dB(A)	≤ 40-53	≤ 43-57	≤ 44-59	≤ 44-60	≤ 46-62
Weight (basic model)	ca. kg	59	75	99	128	156
Dimensions Basic model	Width mm	1000	1500	2000	2500	3000
	Height mm	240	240	240	240	240
	Depth*** mm	390	390	390	390	390

* the specifications are only for referenc, as the exact data have to be adapted to the specific door diameter, height

clearance angle and assembly method of the air flow.

** Measuring point in 3m - lateral distance

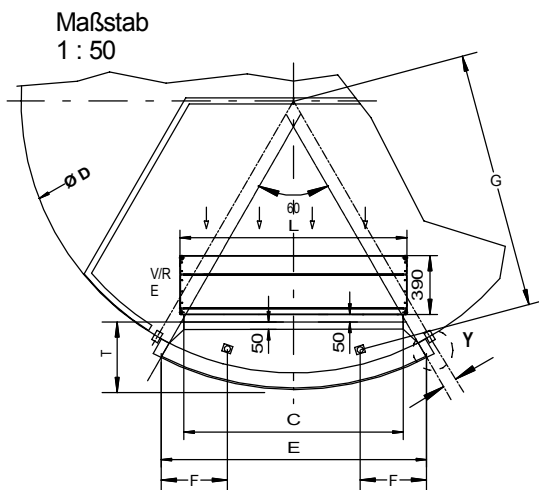
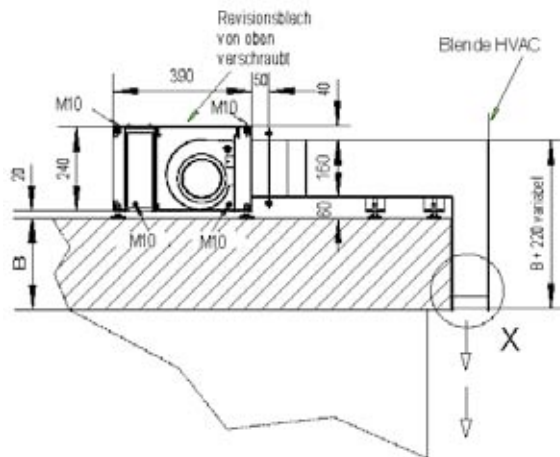
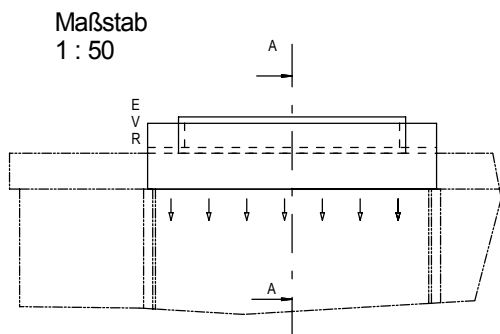
*** Specification of the device depth without shift support

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Model CircleAir-EC

CircleAir-EC		1	2	3	4
Width	W mm	1000-3000	1000-3000	1000-3000	1000-3000
Height	H mm	240	240	240	240
Depth	D mm	390+50	390+50	390+50	390+50





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