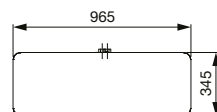
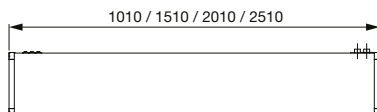
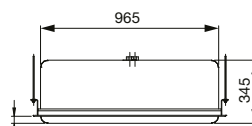
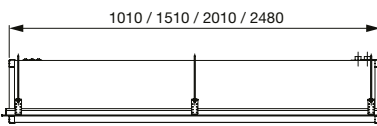


DOR-N CE, DOR-N CER



DOR-N CE



DOR-N CER

Technical parameters

Cabinet

is made of galvanized sheet metal, painted in RAL 9010. Other colours on request. The exhaust section is thermally and acoustically insulated and finished with an anodised adjustable aluminium louvre. The water heater screens include an inlet filter. Frame in anodised aluminium (DOR-N CER).

Fans

Direct-drive radial fans are used. Single-phase asynchronous motors with thermocontacts allow control by changing the voltage. IP22 protection, EC motors also available on request.

Regulation

is done with the DR-CP4 controller, to which only 1 aperture can be connected. The controller is designed for AC motors and allows the connection of a door contact and a room thermostat. Alternatively, the DR-CPHr touch panel controller is available, which is designed for AC and EC motors, allows manual control as well as control from higher-level systems (Modbus, BMS) and is equipped with additional functions (time clock, frost protection, door contact, curtain chaining, etc.).

Frost protection

The supplied screens are circulation screens with air intake from the room and are therefore not equipped with frost protection.

Heater

is electric or water, also without heater on request. Water heaters are equipped with EU2 filter as standard.

Electrical connection

Cable glands are located at the top of the cabinet.

Mounting

The screens can be mounted by means of a ceiling hanger. The recommended mounting height is 2.6 m for E, W and 2.8 m for E1 and W1.

Accessories

- DR-CPHr touch programmable controller with LCD panel
- DR-CP4 standard controller for 1 aperture
- DR-CS ceiling mounted curtains
- DR-MAGNET door contact
- DR-ETV2 electrothermal 2-way high flow valve
- DR-PIV2 electrothermal 2-way pressure independent valve
- DR-C5, C10 interconnecting cable orifice/valve
- DR-CC5, CC10 interconnecting cable orifice/curtain
- DR-TR space thermostat
- DR-RFC wireless controller

Information

Air door screen in a design with easy installation suitable for commercial premises and industrial buildings such as banks, hotels, administrative premises, light industry, supermarkets and others.

Type key

DOR-N-W-13-1000-4 CE RAL 9010

- | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
|-------------------|------------------------------------|----------------------|--|--|---------------------------------|-------------------------------|
| 1 – aperture type | 2 – type of heater | 3 – performance (kW) | 4 – door width (1000, 1500, 2000, 2500 mm) | 5 – control method | 6 – installation method | 7 – colour, standard RAL 9010 |
| | F – without heater | | | 4 – control for DR-CP4 controller without marking – regulation for touch DR-CPHr touch panel | CE – to the ceiling | |
| | W – water | | | | CER – to the ceiling with frame | |
| | W1 – water with increased power | | | | | |
| | E – electric | | | | | |
| | E1 – electric with increased power | | | | | |

Additional illustrations



wall-mounted remote control DR-CP4



DR-CPHr programmable touch controller with LCD panel



DR-MAGNET door contact



ErP conform



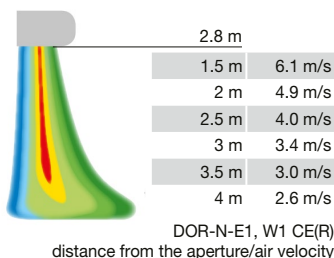
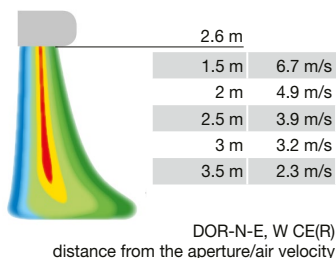
consultation
regulation
on phone
602 679 469



consultation
and aperture
design phone
724 071 506

DOR-N CE, DOR-N CER

Additional illustrations



electrothermal actuator for 2-way or 3-way valve

Characteristics

Technical data

door width	mm	1000	1500	1500 *	2000	2000 *	2500
air flow	m³/h	2100	3200	3650	4300	5250	5400
acoustic performance	dB(A)	55	58	62	61	62	63
weight	kg	53	76	80	98	102	125
cover		IP22	IP22	IP22	IP22	IP22	IP22

ventilator							
input power	W	540	810	1080	1080	1350	1350
current	A	2.4	3.6	4.8	4.8	6	6
voltage	V	230	230	230	230	230	230

electric heater		DOR-N-E-10-1000 CE(R)	DOR-N-E-15-1500 CE(R)	DOR-N-E1-15-1500 CE(R)	DOR-N-E-20-2000 CE(R)	DOR-N-E1-22-2000 CE(R)	DOR-N-E-22-2500 CE(R)
power degree 1	kW	5	7.5	7.5	12.5	15	15
power degree 2	kW	7.5	10	10	15	20	17.5
power degree 3	kW	10	12.5	12.5	17.5	22.5	20
power degree 4	kW	-	15	15	20	25	22.5
voltage	V	400	400	400	400	400	400

water heater 80/60 °C **		DOR-N-W-13-1000 CE(R)	DOR-N-W-22-1500 CE(R)	DOR-N-W1-24-1500 CE(R)	DOR-N-W-32-2000 CE(R)	DOR-N-W1-36-2000 CE(R)	DOR-N-W-40-2500 CE(R)
performance	kW	13.5	22.5	24.3	32.3	36.2	40.9
pressure loss	kPa	7	5	5.8	12.6	15.5	9.7
water flow	m³/h	0.58	0.94	1	1.37	1.55	1.73

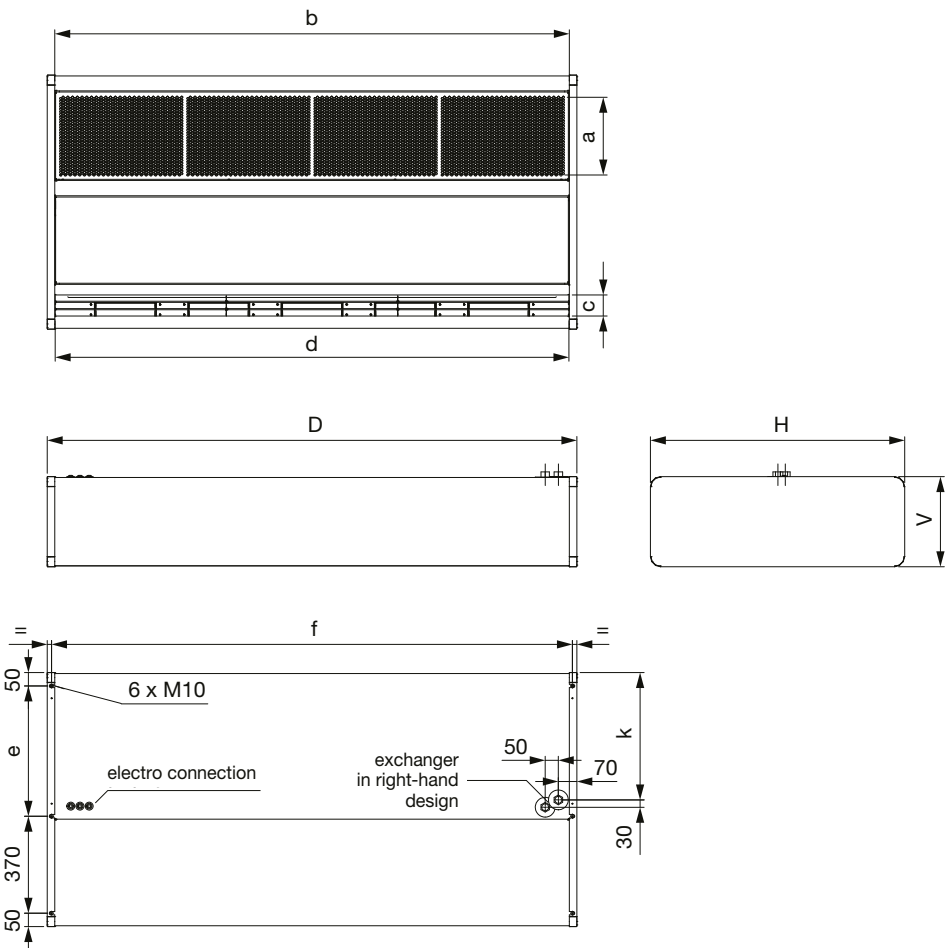
water heater 60/40 °C **		DOR-N-W-13-1000 CE(R)	DOR-N-W-22-1500 CE(R)	DOR-N-W1-24-1500 CE(R)	DOR-N-W-32-2000 CE(R)	DOR-N-W1-36-2000 CE(R)	DOR-N-W-40-2500 CE(R)
performance	kW	7.5	12.6	13.5	18.6	20.7	23.4
pressure loss	kPa	2.6	1.9	2.2	5	6.1	3.8
water flow	m³/h	0.29	0.54	0.58	0.79	0.86	0.97

* variants with increased performance

** the parameters of the water heaters are calculated for the specified temperature gradients, inlet air temperature +18 °C and maximum air output

DOR-N CE, DOR-N CER

DOR-N CE



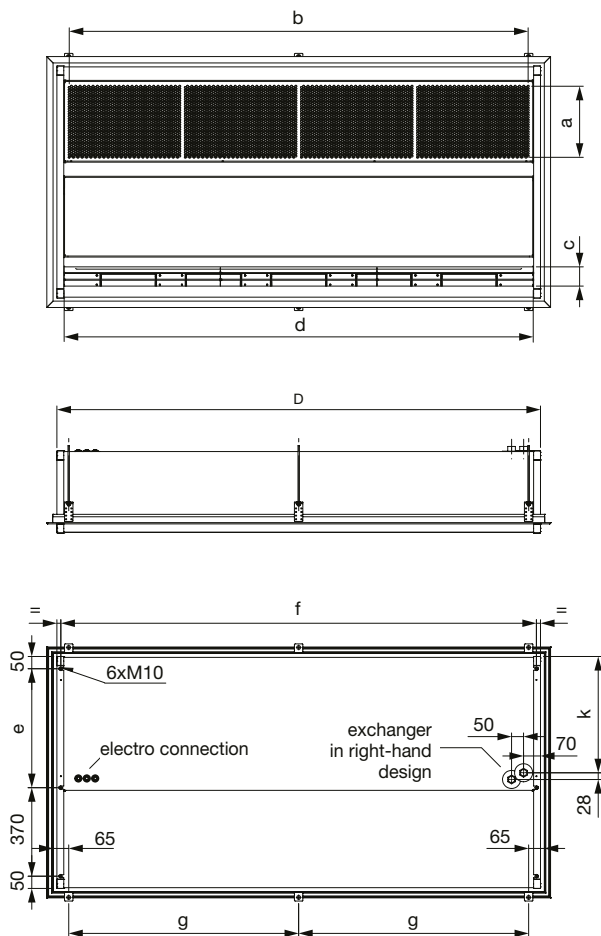
4

Type	DOR-N-1000 CE	DOR-N-1500 CE	DOR-N-2000 CE	DOR-N-2500 CE
recommended installation height [m]	2.6	2.6/2.8*	2.6/2.8*	2.6
length D [mm]	1010	1510	2010	2510
height V [mm]	345	345	345	345
depth H [mm]	965	965	965	965
a [mm]	325	325	325	325
b [mm]	950	1450	1950	2450
c [mm]	80	80	80	80
d [mm]	950	1450	1950	2450
e [mm]	495	495	495	495
f [mm]	975	1475	1975	2475
k [mm]	485	485	485	485

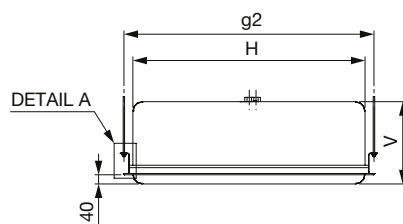
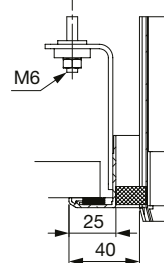
* variant with increased power (E1/W1)

DOR-N CE, DOR-N CER

DOR-N CER



Threaded rods for frame not included
DETAIL AND SCALE 1:2



4

Type	DOR-N-1000 CER	DOR-N-1500 CER	DOR-N-2000 CER	DOR-N-2500 CER
recommended installation height [m]	2.6	2.6/2.8*	2.6/2.8*	2.6
length D [mm]	1010	1510	2010	2480
height V [mm]	345	345	345	345
depth H [mm]	965	965	965	965
a [mm]	325	325	325	325
b [mm]	950	1450	1950	2420
c [mm]	80	80	80	80
d [mm]	950	1450	1950	2420
e [mm]	495	495	495	495
f [mm]	975	1475	1975	2445
g [mm]	1 x 910	2 x 705	2 x 955	3 x 795
g2 [mm]	1040	1040	1040	1040
k [mm]	485	485	485	485

* variant with increased power (E1/W1)

DR-CP4 – wall-mounted remote control

DR-CP4



DR-CP4 EC

The controller is designed to control one air curtain with AC fans without the possibility of chaining the curtains, with the possibility of connecting external elements.

The DR-CP4 EC controller is available for air curtains with EC fans.

- potential-free door contact connection including adjustable device time
- possibility to connect a room thermostat
- control of the electrothermal valve
- IP20 cover
- dimensions W×H×D 71×71×25 mm
- surface mounting

DR-CPHr – programmable touch panel

Intelligent touch panel developed to control air curtains with AC and EC fans. The panel offers the user the possibility to control the air curtain manually, from a higher-level system (BMS) or via Modbus protocol.

- aperture control according to discharge or room temperature
- weekly time clock
- possibility of connecting a potential-free door contact including adjustable device time
- fan and heating control from the BMS
- frost protection of the space
- MASTER/SLAVE serial air curtain chaining
- connection between screen and controller via UTP cable with RJ45 connector
- cover IP20
- dimensions W×H×D 125×90×32 mm
- wall mounting