Corinte

Design air curtain for exclusive entrances, with intelligent control

- Horizontal mounting
  - Recommended installation height 3 m*
  - Lengths ADCS: 1,7 and 2,2 m
  - Lengths ACCS: 1, 1,5, 2, 2,5 and 3 m
- Vertical mounting
  - Recommended installation width 5 m* (2 units), one on each side
  - Lengths ADCS: 2,2 and 2,5 m
  - Lengths ACCS: 2, 2,5 and 3 m

Ambient, no heat

Electrical heat ADCS: 15–22,5 kW

Electrical heat ACCS: 9–23 kW

Water heat WH, WL

Optimized airflow with Thermozone technology.

Application

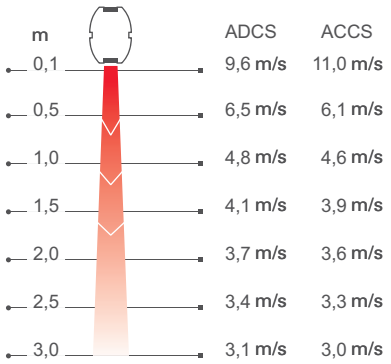
Corinte is intended for exclusive shop entrances and other environments with high demands in respect of design and soundlevel. Mounted with one unit on either side of the opening, thus creating a classic symmetry, the curtain effect and comfort is optimized.

The air curtain has many intelligent and energy saving features which provide fully automatic protection for the entrance, adaptable to each area of use.

Design

Corinte is a stylish and exclusive, stainless steel air curtain for horizontal or vertical installation. Corinte is available in two models; ADCS and ACCS that have varying dimensions and performance. The product key offers many options for the design and finish of both models.

Air velocity profile



Measurements according to ISO 27327-1. Average values for products in the series.

Product specifications

- Prepared for the SIRe control system whose pre-programmed default settings and many features make it easy to install and use the air curtain. Read more about the SIRe controls package in the "Controls" section.
- Customised production based on the product key.
- Available for horizontal or vertical mounting.
- For vertical mounting, electricity and/or water may be connected from above or below.
- Available in polished, mirror-polished or brushed stainless steel. Colour intake and outlet grille: black, RAL 9005.

*) Recommended installation height and width varies depending on the relevant premises.

2014-08-29

ACCS

- Horizontal mounting
  - Recommended installation height 3 m*
  - Lengths: 1, 1,5, 2, 2,5 and 3 m
- Vertical mounting
  - Recommended installation width 5 m* (2 units), one on each side
  - Lengths: 2, 2,5 and 3 m

Electrical heat: 8–23 kW

Water heat WH, WL

Corinte is available in two versions; ADCS and ACCS. Read more about ADCS in the beginning of this section.

*) Recommended installation height and width varies depending on the relevant premises.

Technical specifications

Electrical heat - ACCS E

Type	Outout steps [kW]	Airflow*2 [m³/h]	Δt*4 [°C]	Sound level*3 [dB(A)]	Voltage motor [V]	Amperage motor [A]	Voltage [V] Amperage [A] (heat)	Length [mm]	Weight [kg]
ACCS10E08*1	2,7/5,4/8,1	950/1900	25/13	44/61	230V~	2,2	400V3~/11,7	1000	50
ACCS15E12*1	3,9/7,8/11,7	1350/2600	26/13	45/62	230V~	2,9	400V3~/16,9	1500	65
ACCS20E16	5,4/10,8/16,2	1980/3800	24/13	47/64	230V~	4,3	400V3~/23,4	2000	95
ACCS25E20	6,6/13,2/19,8	2340/4500	25/13	48/65	230V~	5,1	400V3~/28,6	2500	110
ACCS30E23	7,8/15,6/23,4	2660/5100	26/14	48/65	230V~	5,8	400V3~/33,8	3000	130

Water heat - ACCS WH, coil for high temperature water (≥80 °C)

Type	Output*5 H*7 [kW]	Output*5 V*8 [kW]	Airflow*2 [m³/h]	Δt*4,5 H*7 [°C]	Δt*4,5 V*8 [°C]	Water volume H*7 [l]	Water volume V*8 [l]	Sound level*3 [dB(A)]	Voltage motor [V]	Amperage motor [A]	Length [mm]	Weight [kg]
ACCS10WH*1	11,1	-	950/1900	23/17	-	2,0	-	44/61	230V~	2,1	1000	50
ACCS15WH*1	15,1	-	1350/2600	23/17	-	3,2	-	45/62	230V~	2,9	1500	65
ACCS20WH	22,3	30,3	1980/3800	23/17	30/24	4,3	3,0	47/64	230V~	4,3	2000	95
ACCS25WH	27,1	33,4	2340/4500	23/18	28/22	5,4	3,0	48/65	230V~	5,0	2500	110
ACCS30WH	35,2	51,9	2660/5100	26/21	38/30	6,6	5,6	48/65	230V~	5,7	3000	130

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

Type	Output*6 H*7 [kW]	Output*6 V*8 [kW]	Airflow*2 [m³/h]	Δt*4,6 H*7 [°C]	Δt*4,6 V*8 [°C]	Water volume H*7 [l]	Water volume V*8 [l]	Sound level*3 [dB(A)]	Voltage motor [V]	Amperage motor [A]	Length [mm]	Weight [kg]
ACCS10WL*1	9,0	-	950/1900	18/14	-	1,1	-	44/61	230V~	2,1	1000	50
ACCS15WL*1	16,8	-	1350/2600	24/19	-	1,9	-	45/62	230V~	2,9	1500	65
ACCS20WL	23,5	23,1	1980/3800	23/18	22/18	2,5	4,4	47/64	230V~	4,3	2000	95
ACCS25WL	29,3	25,8	2340/4500	24/19	21/17	3,3	4,4	48/65	230V~	5,0	2500	110
ACCS30WL	34,6	31,1	2660/5100	25/20	22/18	3,9	5,6	48/65	230V~	5,7	3000	130

*1) Available only for horizontal mounting.
*2) Lowest/highest airflow of totally 5 fan steps.
*3) 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 80/60 °C, air temperature, in +18 °C.
*6) Applicable at water temperature 60/40 °C, air temperature, in +18 °C.
*7) Horizontal mounting
*8) Vertical mounting

CE compliant.
Protection class: IP20.

Product key

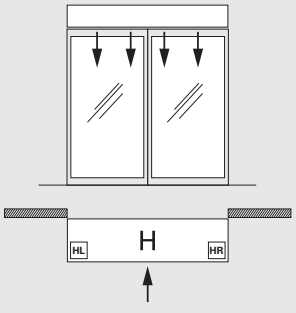
Type - Unit shape - Connections position - Finish / Material

Example: ACCS25WL - VL - A - P

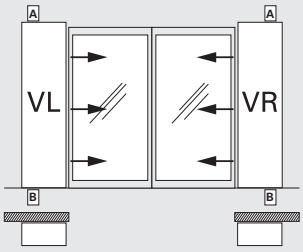
Typ	See technical specifications
Unit shape	HL (Horizontal, connections to the left), HR (Horizontal, connections to the right), VL (Vertical Left) or VR (Vertical Right) seen from inside
Connections position	A or B, see figure.
Finish / material	P = Polished stainless steel B = Brushed stainless steel MP = Mirror polished stainless steel

Connections position

Horizontal



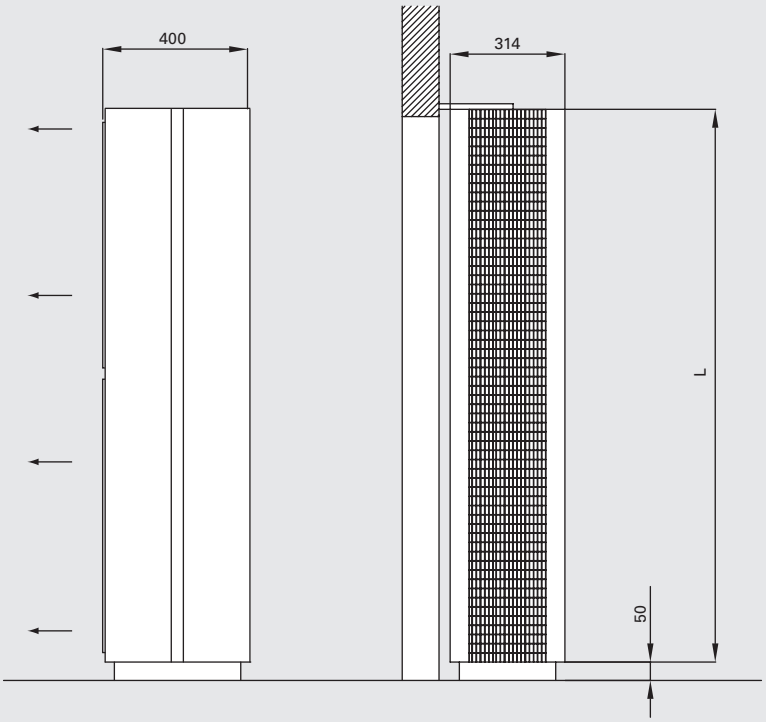
Vertical



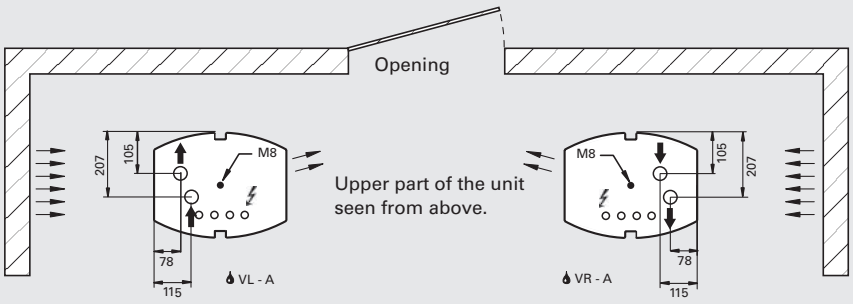
Design and specifications are subject to change without notice.

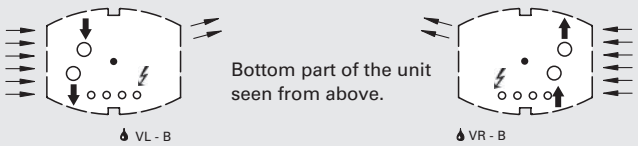
Dimensions

Vertical mounting



	L [mm]
ACCS20	2000
ACCS25	2500
ACCS30	3000

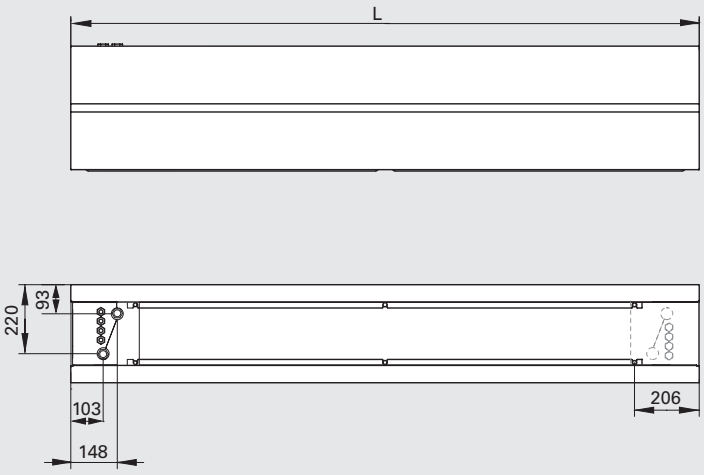




Connection dimensions, inside thread: 1", DN25

Dimensions

Horizontal mounting



	L [mm]
ACCS10	1000
ACCS15	1500
ACCS20	2000
ACCS25	2500
ACCS30	3000

Connection dimensions, inside thread: 3/4", DN20

Mounting

The air curtain range includes variants for horizontal and vertical installation.

Horizontal mounting
The air curtain is installed horizontally with the supply air grille facing downwards as close to the door as possible.

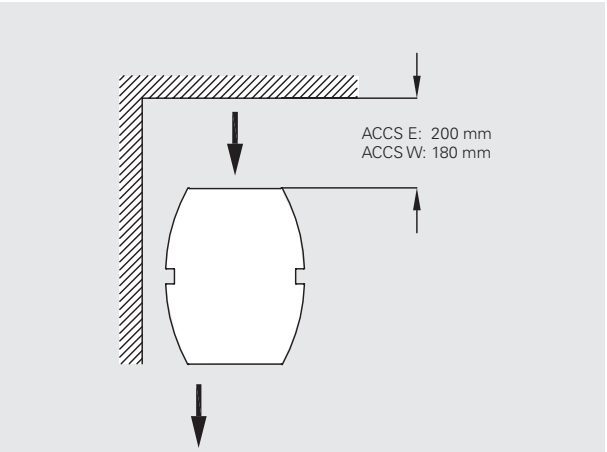
It must be specified when ordering whether the connections are to be on the left or right hand side (seen from inside the premises). The air curtain may be mounted on the wall with brackets (accessory). The air curtain can also be mounted hanging from the ceiling.

Minimum distance from outlet to floor for electrically heated units is 1800 mm.

Vertical mounting
The air curtain is mounted vertically as close as possible to the door. For the best effect air curtains should be placed on both sides of the opening.

When ordering, state on which side of the door the unit is to be placed and whether electricity and/or water connections are made from above or below.

The air curtain is installed on adjustable feet which makes it possible to compensate for any surface undulations. The feet are attached to the floor with fasteners appropriate to the surface and covered by a frame. The air curtain must always be secured at the top.



Minimum distances

Connection

The PC board SIRe is built into the air curtain on delivery and is equipped with modular connectors for easy connection of external components. Read more about the SIRe control system in the "Controls" section.

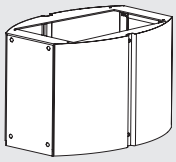
Unit with electrical heating
The electrical connection may be done from above or below when mounted vertically, and from left or right when mounted horizontally, according to ordering key. Control (230V~) and power supply for heat (400V3~) should be connected to a terminal block. For units with electrical heating, power and control should be supplied separately.

Unit with water heating
The electrical connection may be done from above or below when mounted vertically, and from left or right when mounted horizontally, according to ordering key. Control (230V~) should be connected to a terminal block.

The water connection may be done from above or below when mounted vertically, and from the left or right when mounted horizontally, via connections with inside thread. Horizontal units DN20 (3/4"), vertical units DN25 (1").

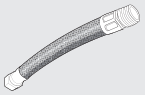
Accessories

ACCW



ACCSEH

AXP300



FH1025

ACCW, wall bracket
Brackets for installing unit horizontally on a wall. Two are required for 1 and 1.5 metre units, while 2 and 2.5 metre units need three and 3 metre units need four. Available in three designs:
- ACCWBB, brushed stainless steel
- ACCWBP, polished stainless steel
- ACCWBMP, mirror polished stainless steel

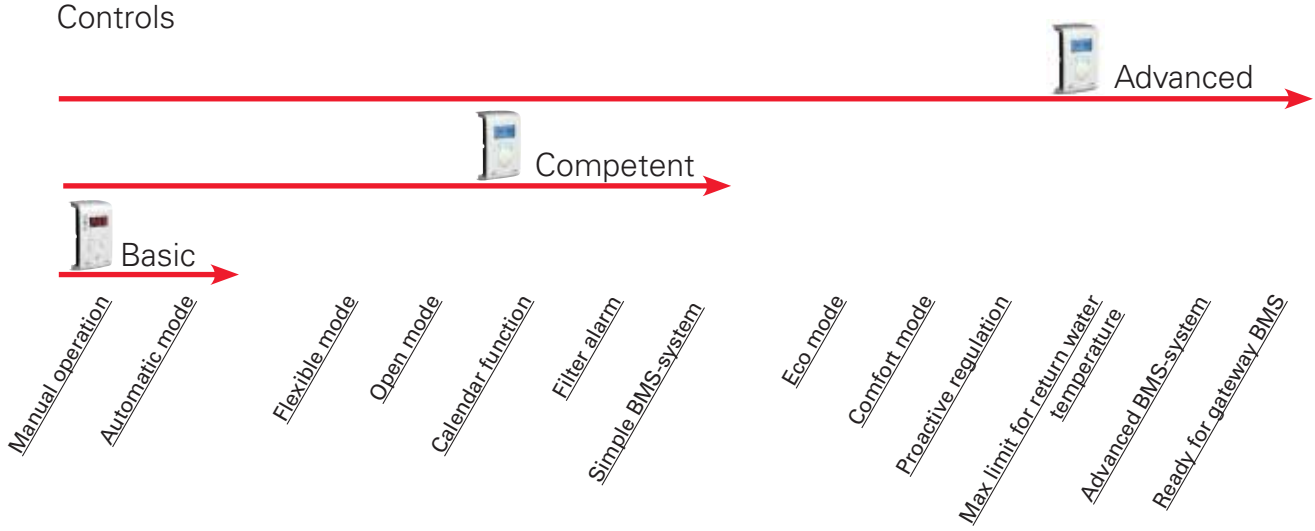
ACCSEH, extension hood
Fills the space between the unit and the ceiling for vertical mounting and provides a neater installation. Height 100-1000 mm.

AXP300, collision protection
Floor placed protection against impact from e.g. shopping trolleys.

FH1025, flexible hose
Flexible hose (DN25, 1" inside thread) for easy connection to the pipe system.

Type	Description
ACCWBB	Wall bracket, brushed stainless steel
ACCWBP	Wall bracket, polished stainless steel
ACCWBMP	Wall bracket, mirror polished stainless steel
ACCSEH	Extension hood 100-1000 mm
AXP300	Collision protection
FH1025	Flexible hoses DN25, inside thread, 1 pcs

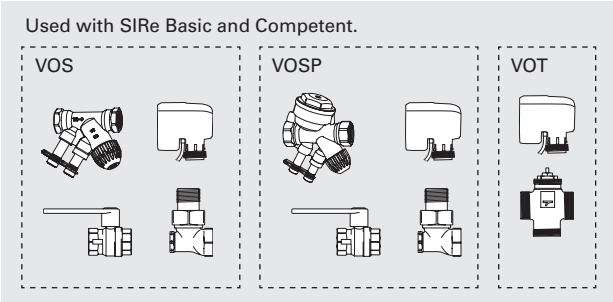
Controls

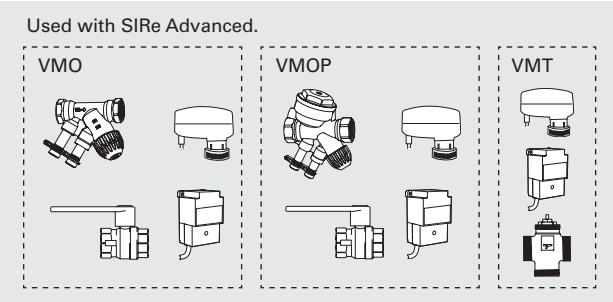


This air curtain is supplied with an intregrated PC board SIRe. There are three different levels with different functionality to choose from, Basic, Competent or Advanced. Read more about the SIRe control system in the "Controls" section.

Type	Description
SIReB	Control system SIRe Basic
SIReAC	Control system SIRe Competent
SIReAA	Control system SIRe Advanced

Water control





Valve kit VOS(P), VOT, VMO(P) or VMT is used to control the water flow. For more information see the "Controls" section.

Type	Description
VOS15LF	Valve kit on/off, low flow, DN15
VOS15NF	Valve kit on/off, DN15
VOS20	Valve kit on/off, DN20
VOS25	Valve kit on/off, DN25
VOSP15LF	Pressure independent valve kit, low flow, DN15
VOSP15NF	Pressure independent valve kit, DN15
VOSP20	Pressure independent valve kit, DN20
VOSP25	Pressure independent valve kit, DN25
VOT15	Three way control valve and actuator on/off, DN15
VOT20	Three way control valve and actuator on/off, DN20
VOT25	Three way control valve and actuator on/off, DN25

Type	Description
VMO15LF	Modulating valve kit, low flow, DN15
VMO15NF	Modulating valve kit, DN15
VMO20	Modulating valve kit, DN20
VMO25	Modulating valve kit, DN25
VMOP15LF	Pressure independent and modulating valve kit, low flow, DN15
VMOP15NF	Pressure independent and modulating valve kit, DN15
VMOP20	Pressure independent and modulating valve kit, DN20
VMOP25	Pressure independent and modulating valve kit, DN25
VMT15	Three way control valve and modulating actuator, DN15
VMT20	Three way control valve and modulating actuator, DN20
VMT25	Three way control valve and modulating actuator, DN25

Output charts water

ACCS WH Horizontal mounting

			Supply water temperature: 110 °C Room temperature: +18 °C Outlet air temperature: +35 °C*1				Water temperature: 110/80 °C Room temperature: +18 °C			
Type	**Fan position**	**Airflow [m³/h]**	**Output [kW]**	**Return water temp. [°C]**	**Water flow [l/s]**	**Pressure drop [kPA]**	**Output*2 [kW]**	**Outlet air temp. [°C]**	**Water flow [l/s]**	**Pressure drop [kPA]**
ACCS10WH	max	1900	10,9	45,7	0,04	2,0	16,6	43,9	0,14	15,9
	min	950	5,4	32,7	0,02	0,5	11,1	52,7	0,09	7,7
ACCS15WH	max	2600	14,9	48,0	0,06	0,8	22,6	43,9	0,19	5,7
	min	1350	7,7	39,8	0,03	0,2	15,5	52,0	0,13	2,9
ACCS20WH	max	3800	21,7	45,7	0,08	1,9	33,3	44,0	0,28	14,9
	min	1980	11,3	33,0	0,04	0,4	22,8	52,2	0,19	7,5
ACCS25WH	max	4500	25,8	45,0	0,10	1,1	40,6	44,8	0,33	9,9
	min	2340	13,4	36,0	0,04	0,4	27,6	53,0	0,23	4,9
ACCS30WH	max	5100	29,2	36,2	0,10	1,6	52,5	48,6	0,43	21,3
	min	2660	15,2	29,4	0,05	0,4	35,2	57,3	0,29	10,3

			Supply water temperature: 90 °C Room temperature: +18 °C Outlet air temperature: +35 °C*1				Water temperature: 90/70 °C Room temperature: +18 °C			
Type	**Fan position**	**Airflow [m³/h]**	**Output [kW]**	**Return water temp. [°C]**	**Water flow [l/s]**	**Pressure drop [kPA]**	**Output*2 [kW]**	**Outlet air temp. [°C]**	**Water flow [l/s]**	**Pressure drop [kPA]**
ACCS10WH	max	1900	10,9	53,5	0,07	5,6	13,4	39,0	0,16	23,2
	min	950	5,4	37,3	0,02	0,9	8,9	45,9	0,11	11,2
ACCS15WH	max	2600	14,9	54,7	0,10	2,1	18,3	38,9	0,22	8,3
	min	1350	7,7	40,7	0,04	0,4	12,5	45,5	0,15	4,2
ACCS20WH	max	3800	21,7	53,4	0,14	5,1	26,9	39,0	0,33	21,6
	min	1980	11,3	38,0	0,05	0,9	18,4	45,6	0,23	10,9
ACCS25WH	max	4500	25,8	52,0	0,17	4,1	32,9	39,7	0,41	21,0
	min	2340	13,4	37,6	0,06	0,7	22,2	46,3	0,27	10,1
ACCS30WH	max	5100	29,2	43,0	0,15	3,5	42,5	42,8	0,52	31,1
	min	2660	15,2	31,7	0,06	0,8	28,4	49,7	0,35	15

			Supply water temperature: 80 °C Room temperature: +18 °C Outlet air temperature: +35 °C*1				Water temperature: 80/60 °C Room temperature: +18 °C			
Type	**Fan position**	**Airflow [m³/h]**	**Output [kW]**	**Return water temp. [°C]**	**Water flow [l/s]**	**Pressure drop [kPA]**	**Output*2 [kW]**	**Outlet air temp. [°C]**	**Water flow [l/s]**	**Pressure drop [kPA]**
ACCS10WH	max	1900	10,9	58,8	0,13	14,8	11,1	35,4	0,14	16,9
	min	950	5,4	41	0,03	1,5	7,4	41,2	0,09	8,2
ACCS15WH	max	2600	14,9	59,0	0,17	5,4	15,1	35,3	0,18	6,0
	min	1350	7,7	43,0	0,05	0,6	10,3	40,7	0,13	3,0
ACCS20WH	max	3800	21,7	58,2	0,24	12,9	22,3	35,4	0,27	15,7
	min	1980	11,3	41,8	0,07	1,6	15,3	40,9	0,19	8,0
ACCS25WH	max	4500	25,8	56,5	0,27	7,1	27,1	35,9	0,33	10,4
	min	2340	13,4	41,2	0,08	0,9	18,5	41,4	0,23	5,2
ACCS30WH	max	5100	29,2	47,5	0,22	6,9	35,2	38,5	0,43	22,5
	min	2660	15,2	35	0,08	1,3	23,5	44,3	0,29	10,9

			Supply water temperature: 82 °C Room temperature: +18 °C Outlet air temperature: +35 °C*1				Water temperature: 82/71 °C Room temperature: +18 °C			
Type	**Fan position**	**Airflow [m³/h]**	**Output [kW]**	**Return water temp. [°C]**	**Water flow [l/s]**	**Pressure drop [kPA]**	**Output*2 [kW]**	**Outlet air temp. [°C]**	**Water flow [l/s]**	**Pressure drop [kPA]**
ACCS10WH	max	1900	10,9	57,4	0,11	11,3	12,9	38,2	0,29	64,1
	min	950	5,4	40,0	0,03	1,3	8,5	44,7	0,19	30,4
ACCS15WH	max	2600	14,9	58,0	0,15	4,2	17,7	38,3	0,39	23,3
	min	1350	7,7	42,6	0,05	0,6	12,0	44,3	0,27	11,4
ACCS20WH	max	3800	21,7	57,0	0,21	10,1	25,9	38,2	0,58	60,0
	min	1980	11,3	41,0	0,07	1,4	17,6	44,4	0,39	29,8
ACCS25WH	max	4500	25,8	55,5	0,24	8,0	31,7	38,9	0,71	40,9
	min	2340	13,4	40,5	0,08	1,1	21,4	45,1	0,48	28,7
ACCS30WH	max	5100	29,2	46,4	0,20	5,8	40,5	41,6	0,89	85,4
	min	2660	15,2	34,0	0,08	1,1	26,9	48,0	0,60	40,4

*1) Recommended outlet air temperature for good comfort and optimized output.

*2) Nominal output at given supply and return water temperature.

See www.frico.se for additional calculations.

Output charts water

ACCS WH

Vertical mounting

			Supply water temperature: 110 °C Room temperature: +18 °C Outlet air temperature: +35 °C*1				Water temperature: 110/80 °C Room temperature: +18 °C			
Type	**Fan position**	**Airflow [m³/h]**	**Output [kW]**	**Return water temp. [°C]**	**Water flow [l/s]**	**Pressure drop [kPA]**	**Output*2 [kW]**	**Outlet air temp. [°C]**	**Water flow [l/s]**	**Pressure drop [kPA]**
ACCS20WH	max	3800	21,9	32,4	0,07	1,5	45,7	53,7	0,38	33,8
	min	1980	11,4	26,1	0,03	0,4	30,3	63,5	0,25	16,2
ACCS25WH	max	4500	26,0	34,9	0,09	2,2	50,6	51,4	0,42	40,6
	min	2340	13,5	27,3	0,04	0,6	33,8	60,8	0,28	19,6
ACCS30WH	max	5100	29,4	23,6	0,08	1,2	77,9	63,4	0,64	54,5
	min	2660	15,4	20,6	0,04	0,4	49,6	73,5	0,41	24,3

			Supply water temperature: 90 °C Room temperature: +18 °C Outlet air temperature: +35 °C*1				Water temperature: 90/70 °C Room temperature: +18 °C			
Type	**Fan position**	**Airflow [m³/h]**	**Output [kW]**	**Return water temp. [°C]**	**Water flow [l/s]**	**Pressure drop [kPA]**	**Output*2 [kW]**	**Outlet air temp. [°C]**	**Water flow [l/s]**	**Pressure drop [kPA]**
ACCS20WH	max	3800	21,9	37,6	0,10	3,1	36,6	46,3	0,45	52,3
	min	1980	11,4	29,6	0,05	0,7	24,3	54,1	0,30	23,5
ACCS25WH	max	4500	26,0	40,7	0,13	4,8	40,4	44,4	0,49	63,5
	min	2340	13,5	31,2	0,06	1,0	27,1	52,1	0,33	29,1
ACCS30WH	max	5100	29,4	27,0	0,11	2,3	62,3	53,9	0,76	82,3
	min	2660	15,4	22,5	0,06	0,6	40,6	62,9	0,50	35,6

			Supply water temperature: 80 °C Room temperature: +18 °C Outlet air temperature: +35 °C*1				Water temperature: 80/60 °C Room temperature: +18 °C			
Type	**Fan position**	**Airflow [m³/h]**	**Output [kW]**	**Return water temp. [°C]**	**Water flow [l/s]**	**Pressure drop [kPA]**	**Output*2 [kW]**	**Outlet air temp. [°C]**	**Water flow [l/s]**	**Pressure drop [kPA]**
ACCS20WH	max	3800	21,9	41,1	0,14	5,5	30,3	41,5	0,37	36,3
	min	1980	11,4	32,0	0,06	1,1	20,1	47,9	0,25	16,4
ACCS25WH	max	4500	26,0	44,4	0,18	9,0	33,4	39,9	0,41	44,1
	min	2340	13,5	33,8	0,07	1,6	22,4	46,2	0,27	20,3
ACCS30WH	max	5100	29,4	29,5	0,14	3,4	51,9	48,0	0,63	57,8
	min	2660	15,4	23,8	0,07	1,2	33,9	55,5	0,41	25,3

			Supply water temperature: 82 °C Room temperature: +18 °C Outlet air temperature: +35 °C*1				Water temperature: 82/71 °C Room temperature: +18 °C			
Type	**Fan position**	**Airflow [m³/h]**	**Output [kW]**	**Return water temp. [°C]**	**Water flow [l/s]**	**Pressure drop [kPA]**	**Output*2 [kW]**	**Outlet air temp. [°C]**	**Water flow [l/s]**	**Pressure drop [kPA]**
ACCS20WH	max	3800	21,9	40,3	0,13	4,8	35,1	45,2	0,78	156,4
	min	1980	11,4	31,5	0,06	1,0	23,3	52,6	0,52	69,7
ACCS25WH	max	4500	26,0	43,3	0,16	7,8	38,8	43,4	0,86	190,3
	min	2340	13,5	33,3	0,07	1,5	26,0	50,7	0,58	86,4
ACCS30WH	max	5100	29,4	29,0	0,13	3,1	58,9	52,0	1,31	239,4
	min	2660	15,4	23,7	0,06	0,8	38,1	60,2	0,85	101,6

*1) Recommended outlet air temperature for good comfort and optimized output.

*2) Nominal output at given supply and return water temperature.

See www.frico.se for additional calculations.

Output charts water

ACCS WL

Horizontal mounting

			Supply water temperature: 80 °C Room temperature: +18 °C Outlet air temperature: +35 °C*1				Water temperature: 80/60 °C Room temperature: +18 °C			
Type	**Fan position**	**Airflow [m³/h]**	**Output [kW]**	**Return water temp. [°C]**	**Water flow [l/s]**	**Pressure drop [kPA]**	**Output*2 [kW]**	**Outlet air temp. [°C]**	**Water flow [l/s]**	**Pressure drop [kPA]**
ACCS10WL	max	1900	10,9	39,0	0,06	5,4	15,4	42,1	0,19	35,0
	min	950	5,4	29,0	0,03	1,1	9,9	49,0	0,12	15,9
ACCS15WL	max	2600	14,9	27,5	0,07	2,1	27,9	49,9	0,34	33,3
	min	1350	7,8	25,3	0,03	0,7	17,7	57,0	0,22	14,9
ACCS20WL	max	3800	21,8	29,5	0,11	1,8	39,7	49,0	0,48	24,7
	min	1980	11,3	27,1	0,05	0,5	25,3	56,0	0,31	11,1
ACCS25WL	max	4500	25,9	27,5	0,12	2,8	48,8	50,2	0,60	44,4
	min	2340	13,4	24,2	0,06	0,8	31,0	57,4	0,38	19,8
ACCS30WL	max	5100	29,2	25,9	0,13	3,9	57,1	51,2	0,70	70,2
	min	2660	15,3	22,5	0,06	1,2	36,2	58,4	0,44	31,2

			Supply water temperature: 70 °C Room temperature: +18 °C Outlet air temperature: +35 °C*1				Water temperature: 70/50 °C Room temperature: +18 °C			
Type	**Fan position**	**Airflow [m³/h]**	**Output [kW]**	**Return water temp. [°C]**	**Water flow [l/s]**	**Pressure drop [kPA]**	**Output*2 [kW]**	**Outlet air temp. [°C]**	**Water flow [l/s]**	**Pressure drop [kPA]**
ACCS10WL	max	1900	10,9	43,5	0,36	11,8	12,3	37,2	0,15	23,8
	min	950	5,4	32,0	0,12	1,9	8,0	42,9	0,10	11,1
ACCS15WL	max	2600	14,9	30,5	0,33	3,5	22,5	43,7	0,28	23,3
	min	1350	7,7	26,0	0,15	1,0	14,2	49,3	0,17	10,4
ACCS20WL	max	3800	21,7	32,5	0,51	3,0	31,8	42,8	0,39	17,0
	min	1980	11,4	27,7	0,23	0,8	20,3	48,4	0,25	7,7
ACCS25WL	max	4500	25,9	30,5	0,57	4,6	39,4	44,0	0,48	31,1
	min	2340	13,4	25,1	0,26	1,2	24,9	49,6	0,30	13,8
ACCS30WL	max	5100	29,2	28,7	0,62	6,3	45,9	44,7	0,56	48,7
	min	2660	15,3	23,6	0,29	1,7	29,2	50,6	0,36	21,8

			Supply water temperature: 60 °C Room temperature: +18 °C Outlet air temperature: +35 °C*1				Water temperature: 60/40 °C Room temperature: +18 °C			
Type	**Fan position**	**Airflow [m³/h]**	**Output [kW]**	**Return water temp. [°C]**	**Water flow [l/s]**	**Pressure drop [kPA]**	**Output*2 [kW]**	**Outlet air temp. [°C]**	**Water flow [l/s]**	**Pressure drop [kPA]**
ACCS10WL	max	1900	10,9	49,0	0,24	56,9	9,0	32,1	0,11	14,3
	min	950	5,4	36,5	0,06	4,5	5,9	36,4	0,07	6,7
ACCS15WL	max	2600	14,9	35,0	0,14	8,0	16,8	37,2	0,20	14,3
	min	1350	7,7	27,5	0,06	1,6	10,7	41,6	0,13	6,5
ACCS20WL	max	3800	21,7	37,0	0,23	7,2	23,5	36,3	0,28	10,3
	min	1980	11,4	29,2	0,09	1,4	15,1	40,6	0,18	4,7
ACCS25WL	max	4500	25,9	34,5	0,24	9,9	29,3	37,3	0,36	18,9
	min	2340	13,4	27,5	0,10	2,1	18,7	41,8	0,23	8,6
ACCS30WL	max	5100	29,2	32,8	0,26	13,3	34,6	38,2	0,42	30,5
	min	2660	15,3	26,3	0,11	3,0	22,0	42,6	0,27	13,7

*1) Recommended outlet air temperature for good comfort and optimized output.

*2) Nominal output at given supply and return water temperature.

See www.frico.se for additional calculations.

Output charts water

ACCS WL

Horizontal mounting

			Supply water temperature: 55 °C Room temperature: +18 °C Outlet air temperature: +35 °C*1				Water temperature: 55/35 °C Room temperature: +18 °C			
Type	**Fan position**	**Airflow [m³/h]**	**Output [kW]**	**Return water temp. [°C]**	**Water flow [l/s]**	**Pressure drop [kPA]**	**Output*2 [kW]**	**Outlet air temp. [°C]**	**Water flow [l/s]**	**Pressure drop [kPA]**
ACCS10WL	max	1900	-	-	0,17	-	7,4	29,6	0,09	10,3
	min	950	5,5	39,5	0,09	9,3	4,9	33,2	0,06	4,9
ACCS15WL	max	2600	15,0	38,0	0,21	15,8	13,9	33,8	0,17	10,5
	min	1350	7,8	30,0	0,08	2,6	8,9	37,5	0,11	4,8
ACCS20WL	max	3800	21,7	39,5	0,34	14,2	19,4	33,1	0,23	7,5
	min	1980	11,35	31,4	0,12	2,2	12,5	36,7	0,15	3,5
ACCS25WL	max	4500	25,8	37,5	0,36	19,4	24,2	34,0	0,29	13,8
	min	2340	13,4	29,6	0,13	3,3	15,5	37,7	0,19	6,3
ACCS30WL	max	5100	29,3	35,8	0,37	24,7	28,7	34,7	0,35	22,3
	min	2660	15,3	28,5	0,14	4,6	18,4	38,5	0,22	10,2

– = at the current water temperatures and airflows, the air outlet temperature will be less than 35 °C.

Vertical mounting

			Supply water temperature: 80 °C Room temperature: +18 °C Outlet air temperature: +35 °C*1				Water temperature: 80/60 °C Room temperature: +18 °C			
Type	**Fan position**	**Airflow [m³/h]**	**Output [kW]**	**Return water temp. [°C]**	**Water flow [l/s]**	**Pressure drop [kPA]**	**Output*2 [kW]**	**Outlet air temp. [°C]**	**Water flow [l/s]**	**Pressure drop [kPA]**
ACCS20WL	max	3800	21,8	29,3	0,10	2,0	39,1	48,5	0,48	27,7
	min	1980	11,3	26,8	0,05	0,6	24,1	55,7	0,57	11,7
ACCS25WL	max	4500	25,8	31,5	0,13	2,9	43,4	46,7	0,53	33,4
	min	2340	13,4	26,3	0,06	0,8	27,9	53,4	0,34	15,2
ACCS30WL	max	5100	29,2	28,7	0,14	4,1	52,1	48,3	0,64	57,6
	min	2660	15,3	23,9	0,07	1,2	33,3	55,1	0,41	25,8

			Supply water temperature: 70 °C Room temperature: +18 °C Outlet air temperature: +35 °C*1				Water temperature: 70/50 °C Room temperature: +18 °C			
Type	**Fan position**	**Airflow [m³/h]**	**Output [kW]**	**Return water temp. [°C]**	**Water flow [l/s]**	**Pressure drop [kPA]**	**Output*2 [kW]**	**Outlet air temp. [°C]**	**Water flow [l/s]**	**Pressure drop [kPA]**
ACCS20WL	max	3800	21,8	32,7	0,14	3,5	31,1	42,3	0,38	18,9
	min	1980	11,3	27,4	0,06	0,9	19,9	47,8	0,24	8,6
ACCS25WL	max	4500	25,8	35,1	0,18	5,2	34,7	40,9	0,42	23,0
	min	2340	13,4	27,7	0,08	1,2	22,3	46,3	0,27	10,5
ACCS30WL	max	5100	29,2	32,2	0,19	7,1	41,7	42,3	0,51	39,7
	min	2660	15,3	25,5	0,08	1,8	26,7	47,8	0,33	18

			Supply water temperature: 60 °C Room temperature: +18 °C Outlet air temperature: +35 °C*1				Water temperature: 60/40 °C Room temperature: +18 °C			
Type	**Fan position**	**Airflow [m³/h]**	**Output [kW]**	**Return water temp. [°C]**	**Water flow [l/s]**	**Pressure drop [kPA]**	**Output*2 [kW]**	**Outlet air temp. [°C]**	**Water flow [l/s]**	**Pressure drop [kPA]**
ACCS20WL	max	3800	21,8	37,2	0,23	8,3	23,1	36,1	0,28	11,6
	min	1980	11,3	29,2	0,09	1,6	14,9	40,3	0,18	5,3
ACCS25WL	max	4500	25,8	40,0	0,31	14,0	25,8	35,0	0,31	14,0
	min	2340	13,4	31,0	0,11	2,1	16,7	39,2	0,20	6,5
ACCS30WL	max	5100	29,2	37,0	0,31	17,1	31,1	36,1	0,38	24,4
	min	2660	15,3	28,9	0,12	3,3	20,0	40,4	0,24	11,2

*1) Recommended outlet air temperature for good comfort and optimized output.

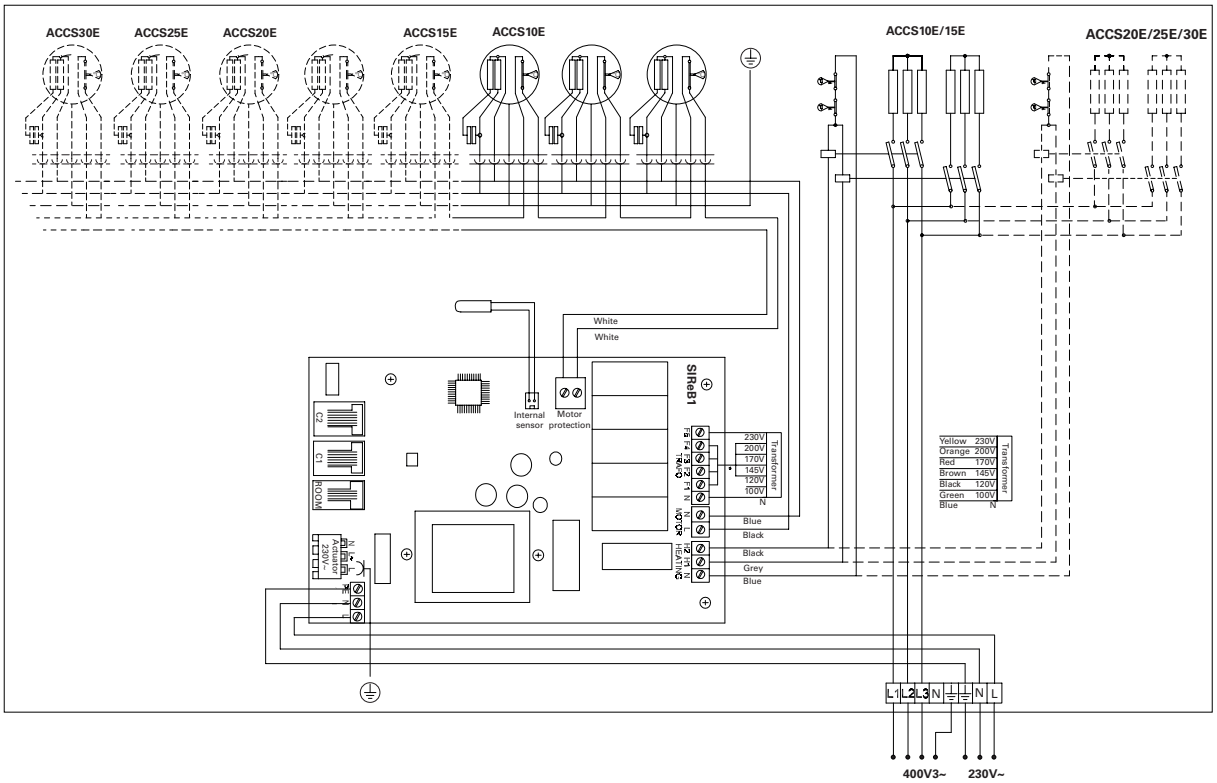
*2) Nominal output at given supply and return water temperature.

See www.frico.se for additional calculations.

Wiring diagrams

Internal wiring diagram

Unit with electrical heating



Unit with water heating