

Components

Water heater technical data

Model

Calculated capacity (kW) 4.3

Reserve (%) 128

Air temp. after heater (C) 20

Air humidity after heater (%) 5.7

Air velocity (m/s) 2.5

DN DN 1x40 / 1x40

Number of tube rows Auto 2

Fin pitch Auto 1,8

Number of water passes Auto 3/4

Volume (l) 9.6

Heat surface (m²) 48.8

Tubes connection side As AHU

Fluff section

Epoxi coating

Air before heater

Air temp. and humidity after heat exchanger

Supply air temp. (C) 0

Supply air humidity (%) 0

Requested air temp. (C) 20

Requested capacity (kW) 0

Comment

Water data

Water temp. in (C) 80

Water temp. out (C) 60 52

Frost protection

Water flow (l/s) 0 9%

Water pressure drop (kPa) 0.32 0.37

loss

Max. condensation process (MPa) 7.64 1.5

AHU

Type: Heat recovery AHU

Int. address: 501

Subclass: 4-KR-SWS-0

SPF (m³/s) 1.8

Energy efficiency class: C

Weight (kg): 1175

Air density (kg/m³): 1.2

Price (EUR): 6578

Parameters

Supply air: Air volume (m³/h) 3000, Press. to system (Pa) 300, Maintenance side Right, Configuration Indoor, Connection of sections Standard, Supply air position Bottom, Control system Built-in

Exhaust air: Air volume (m³/h) 1000, Press. to system (Pa) 300, Maintenance side Right, Configuration Indoor, Connection of sections Standard, Supply air position Bottom, Control system Built-in

Size selection table:

Size	A (mm)	B (mm)	V (m³/s)
4-KR-SWS-0	1550	1340	2.33/1.33
5-KR-SWS-0	1720	1560	2.82/1.64
6-KR-SWS-0	1720	1668	2.57/1.57
7-KR-SWS-0	2280	1880	1.80/1.80
8-KR-SWS-0	2280	1970	1.50/1.50
9-KR-SWS-0	2260	2160	1.52/1.52
10-KR-SWS-0	2860	2080	1.13/1.13
11-KR-SWS-0	2860	2000	0.91/0.89
12-KR-SWS-0	3480	2010	0.92/0.92
13-KR-SWS-0	4020	2010	0.77/0.77
14-KR-SWS-0	3680	2000	0.70/0.70
15-KR-SWS-0	4600	2400	0.54/0.54

Components:

- SPF (m³/s) 1.8
- Max. fan working temp. (C) 65
- Wheel diameter (mm) 130
- Connection opening (mm) 120/100
- Operating frequency (Hz) 51
- Max. frequency (Hz) 68
- Weight (kg) 1175
- Motor safety margin (%) 10

Model: 60R7ZC/L1305K/2201

Type:

- Centrifugal fan, forward curved impeller, 1 speed motor
- Centrifugal fan, forward curved impeller, 2 speed motor
- Centrifugal fan, backward curved impeller, 1 speed motor
- Centrifugal fan, backward curved impeller, 2 speed motor
- Direct driven centrifugal fan
- Direct driven centrifugal fan with EC motor
- Direct driven centrifugal fan (explosion proof)
- Two fans
- Heat exchanger

