AIRsupply

# BLAUAIR RH

**FLOOR MOUNTED HEAT RECOVERY UNITS**

## RH

800 / 1200 / 1500 / 2500 / 3500 / 5000 / 6000

## FEATURES

- High-efficient EC fans, backward-curved, external rotor. Integrated plug-and-play controls.
- High-efficient rotary heat exchanger of two types: condensing (aluminum) type and enthalpy type.
- Optional outdoor installation with outdoor mounting kit. Web interface, MODBUS, outputs for optional DX or Hydronic cooling/heating.
- Complete set of accessories: silencers, economizers, VAV, CAV, etc.
- Operation by RH/$CO_2$/temperature/ constant pressure/timer schedule.

## Casing

- Double skin
- Frameless
- 40 mm mineral wool 90 kg/m$^3$ for RH 800-6000 and with frame 50 mm for RH 9000
- Outer skin: zinc-aluminium
- Inner skin: zinc-aluminium
- EN1886 class: D1, T3, TB3

## Heat exchanger

High-efficient rotary heat exchanger is available in two types:

- Condensing (aluminum) type – standard;
- Enthalpy type for hot and humid areas – optional.

## Bypass and dampers

Integrated automatic external dampers with **Belimo** drives. Included in units starting form 1500.

BELIMO®

## Filters

Panel F7 class filters on both supply and exhaust.

# Technical parameters

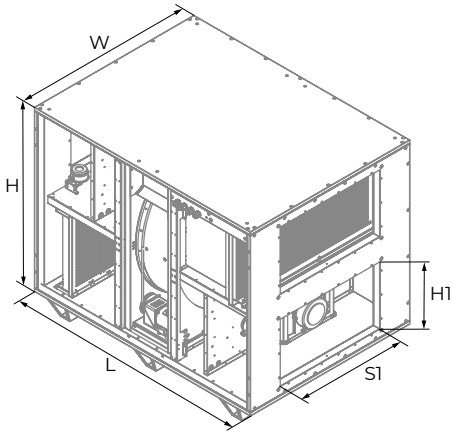
| Rated air flow [m³/h] | | 800 | 1200 | 1500 |
|---|---|---|---|---|
| EC fans | Phase/voltage [50/60 Hz/VAC] | 1~200-240 | | |
| | Power/current [kW/A] | 2×0.27/2.5 | 2×0.61/5.3 | 2×0.61/5.3 |
| | Fan speed [min⁻¹] | 2800 | 3000 | 3000 |
| | Perm. amb. temp. [°C] | -35...+50 | | |
| | Motor protection | IP54 | | |
| | Insulation class | F | | |
| Transported air temperature [°C] | | -25...+40 | | |
| Filter exhaust/supply | | ePM1 55%/ePM1 55% (ISO 16890)-F7 (EN779) | | |
| Weight (net, without packing) [kg] | | 190 | 190 | 248 |
| Housing protection class | | IP34 | | |
| Sound pressure lvl @ 3m to environment [dBA] | | 34 | 35 | 37 |

| Rated air flow [m³/h] | | 2500 | 3500 | 5000 |
|---|---|---|---|---|
| EC fans | Phase/voltage [50/60 Hz/VAC] | 1~200/277 | 3~380/480 | 3~380/480 |
| | Power/current [kW/A] | 2×0.835/7.6 | 2×1.23/3.95 | 2×1.41/3.95 |
| | Fan speed [min⁻¹] | 3000 | 2400 | 1350 |
| | Perm. amb. temp. [°C] | -35...+50 | | |
| | Motor protection | IP54 | | |
| | Insulation class | F | | |
| Transported air temperature [°C] | | -25...+40 | | |
| Filter exhaust/supply | | ePM1 55%/ePM1 55% (ISO 16890)-F7 (EN779) | | |
| Weight (net, without packing) [kg] | | 248 | 328 | 559 |
| Housing protection class | | IP34 | | |
| Sound pressure lvl @ 3m to environment [dBA] | | 37 | 35 | 32 |

| Rated air flow [m³/h] | | 6000 | 9000 |
|---|---|---|---|
| EC fans | Phase/voltage [50/60 Hz/VAC] | 3~380/480 | 3~380/480 |
| | Power/current [kW/A] | 2×2.74/8.8 | 2×2.74/8.8 |
| | Fan speed [min⁻¹] | 1700 | 1700 |
| | Perm. amb. temp. [°C] | -35...+50 | |
| | Motor protection | IP54 | |
| | Insulation class | F | |
| Transported air temperature [°C] | | -25...+40 | |
| Filter exhaust/supply | | ePM1 55%/ePM1 55% (ISO 16890)-F7 (EN779) | |
| Weight (net, without packing) [kg] | | 559 | 930 |
| Housing protection class | | IP34 | |
| Sound pressure lvl @ 3m to environment [dBA] | | 32 | 32 |

## Overall dimensions [mm]

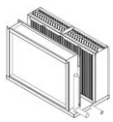
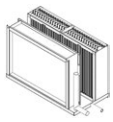
| | L | W | H | H1 | S1 |
|---|---|---|---|---|---|
| **RH 800** | 1400 | 765 | 820 | 315 | - |
| **RH 1200** | 1400 | 765 | 820 | 315 | - |
| **RH 1500** | 1300 | 960 | 960 | 350 | 600 |
| **RH 2500** | 1300 | 960 | 960 | 350 | 600 |
| **RH 3500** | 1300 | 1260 | 1290 | 400 | 700 |
| **RH 5000** | 1910 | 1390 | 1420 | 500 | 1000 |
| **RH 6000** | 1910 | 1390 | 1420 | 500 | 1000 |
| **RH 9000** | 2090 | 1738 | 1815 | 600 | 1200 |




## Connectors and adapters

| | Size [mm] | | |
|---|---|---|---|
| | Flexible connection | Damper | Adapter |
| **RH 800/RH 1200** | Ø 315 | Ø 315 | Ø 315/500×250 |
| **RH 1500/RH 2500** | 600×350 | 600×350 | 600×350/Ø 315 |
| **RH 3500** | 700×400 | 700×400 | 700×400/Ø 400 |
| **RH 5000/RH 6000** | 1000×500 | 1000×500 | – |
| **RH 9000** | 1200×600 | 1200×600 | – |

## Additional coil sections for RH 800-9000

| | | | | 800 | 1200 | 1500 | 2500 | 3500 | 5000 | 6000 | 9000 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Water heater** | | **HW-2** | **L [mm]** | 360 | 360 | 360 | 360 | 360 | 360 | 360 | 360 |
| **Water cooler** |  | **CW-3** | **L [mm]** | 505 | 505 | 505 | 505 | 505 | 505 | 505 | 505 |
| **Electric heater** | | **HE** | **L [mm]** | 306 | 306 | 220 | 220 | 220 | 360 | 360 | 505 |
| **DX cooler** |  | **CDX-3** | **L [mm]** | 505 | 505 | 505 | 505 | 505 | 505 | 505 | 505 |

*AIRsupply forbeholder sig ret til ændringer. Alle oplysninger, der står i denne brochure, kan ændres uden forudgående varsel.*