

# BLAUAIR RH

## FLOOR MOUNTED HEAT RECOVERY UNITS



## 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 electric/water heater or water/freon cooler.

Complete set of accessories: silencers, economizers, VAV, CAV, etc.

Operation by RH/CO<sub>2</sub>/temperature/constant pressure/timer schedule.



## Casing

- Double skin
- Frameless
- 40 mm mineral wool 90 kg/m<sup>3</sup> for RH 800-6000 and with frame 50 mm for RH 9000
- Outer skin: zinc-aluminium
- Inner skin: zinc-aluminium
- EN1886 class: D1, T3, TB4

## Heat exchanger

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

- Condensing (aluminum) type – standard;
- Enthalpy type – optional.

## Dampers

Optionally integrated automatic external dampers with **Belimo** drives.

**BELIMO**<sup>®</sup>

## Filters

Panel filters ePM1 70% (ISO 16890)-F7 (EN779) on both supply and exhaust.

## Technical data

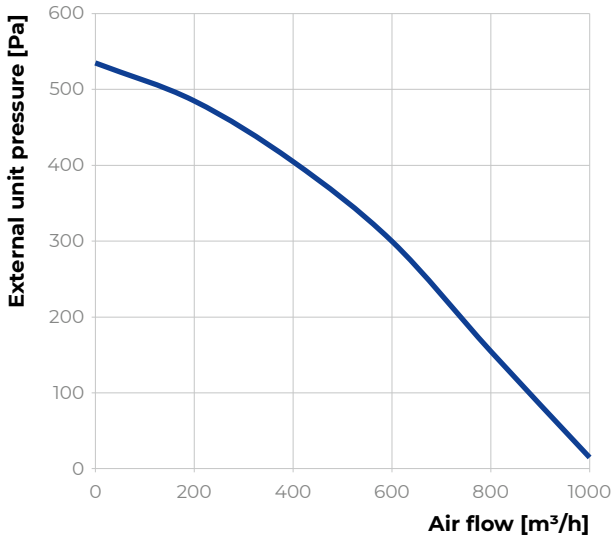
	RH 800	RH 1200	RH 1500
Phase/voltage [50–60 Hz/VAC]	1~200/240		
Power/current [kW/A]	2×0.168/2.4	2×0.53/4.8	2×0.53/4.8
Fan speed [min <sup>-1</sup> ]	2200	2470	2430
Permanent ambient temperature [°C]	-35...+50		
Motor protection	IP54		
Insulation class (motor)	F		
Filter class exhaust/supply standard (optional)	ePM1 70%/ePM1 70% (ISO 16890)-F7 (EN779)		
Weight (net, without packing) [kg]	418	418	547
Housing protection class	IP34		
Sound pressure level at 3 m to environment [dBA]	29	26	26
Transported air temperature [°C]	-25...+40		

	RH 2500	RH 3500	RH 5000
Phase/voltage [50–60 Hz/VAC]	1~200/240	3~380/480	3~380/480
Power/current [kW/A]	2×0.7/6.2	2×1.1/3.52	2×1.32/4.2
Fan speed [min <sup>-1</sup> ]	2100	1800	1300
Permanent ambient temperature [°C]	-35...+50		
Motor protection	IP54		
Insulation class (motor)	F		
Filter class exhaust/supply standard (optional)	ePM1 70%/ePM1 70% (ISO 16890)-F7 (EN779)		
Weight (net, without packing) [kg]	547	723	1232
Housing protection class	IP34		
Sound pressure level at 3 m to environment [dBA]	33	35	26
Transported air temperature [°C]	-25...+40		

	RH 6000	RH 9000
Phase/voltage [50–60 Hz/VAC]	3~380/480	
Power/current [kW/A]	2×2.55/7.8	2×2.55/7.8
Fan speed [min <sup>-1</sup> ]	1500	1700
Permanent ambient temperature [°C]	-35...+50	
Motor protection	IP54	
Insulation class (motor)	F	
Filter class exhaust/supply standard (optional)	ePM1 70%/ePM1 70% (ISO 16890)-F7 (EN779)	
Weight (net, without packing) [kg]	1232	2050
Housing protection class	IP34	
Sound pressure level at 3 m to environment [dBA]	28	47
Transported air temperature [°C]	-25...+40	

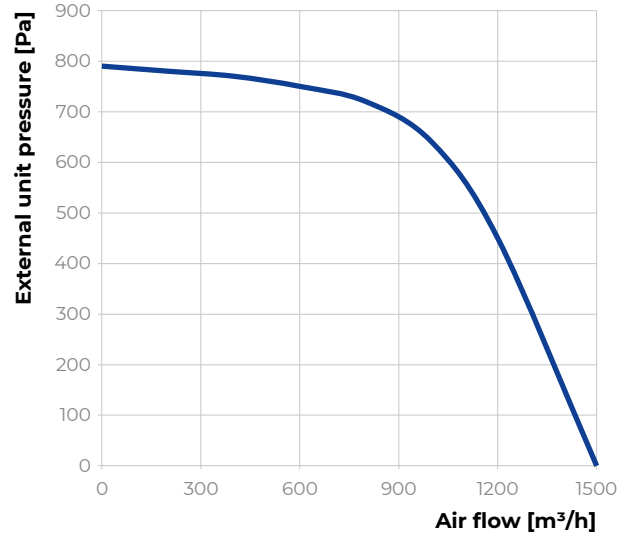


## RH 800



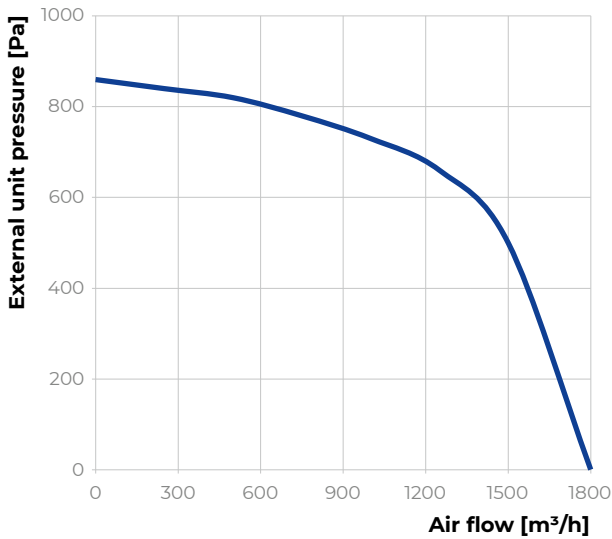
Additional pressure	RH 800
Water heater [Pa]	55
Water cooler [Pa]	68
Electric heater [Pa]	30
DX cooler [Pa]	68

## RH 1200



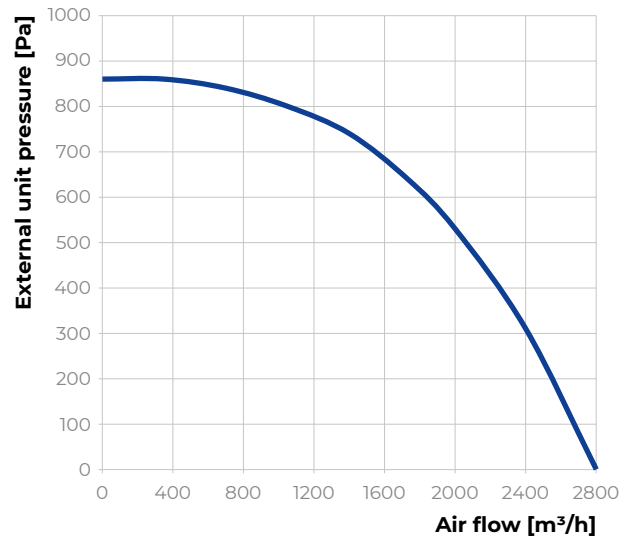
Additional pressure	RH 1200
Water heater [Pa]	55
Water cooler [Pa]	139
Electric heater [Pa]	30
DX cooler [Pa]	139

## RH 1500



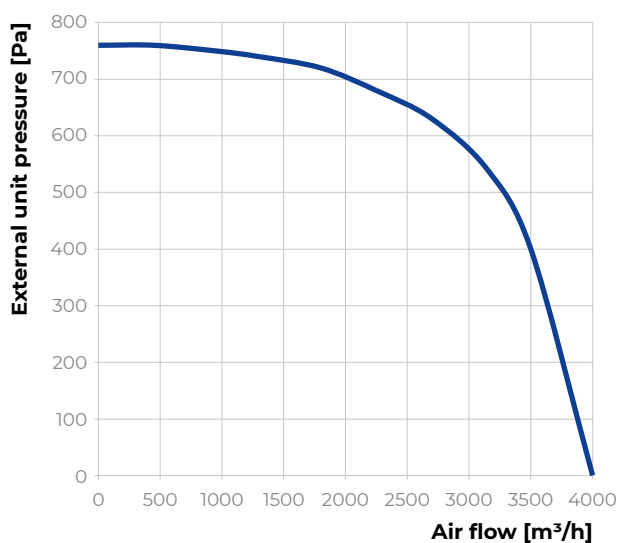
Additional pressure	RH 1500
Water heater [Pa]	55
Water cooler [Pa]	82
Electric heater [Pa]	30
DX cooler [Pa]	82

## RH 2500



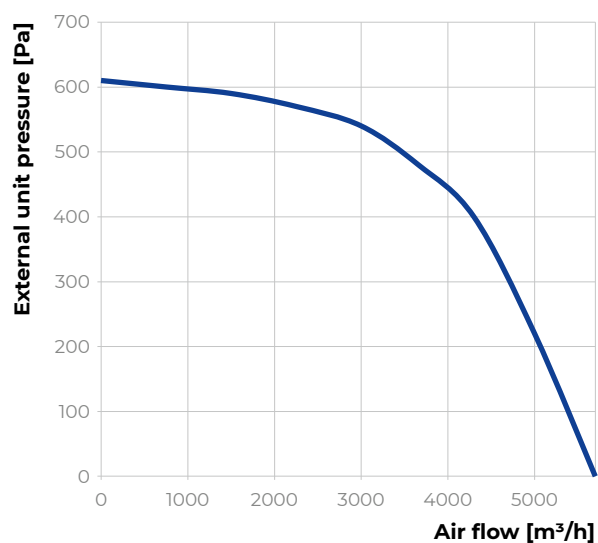
Additional pressure	RH 2500
Water heater [Pa]	60
Water cooler [Pa]	190
Electric heater [Pa]	30
DX cooler [Pa]	190

## RH 3500



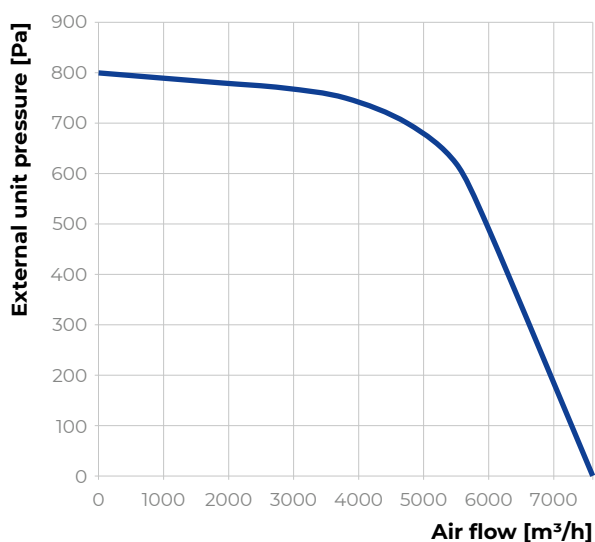
Additional pressure	RH 3500
Water heater [Pa]	55
Water cooler [Pa]	223
Electric heater [Pa]	30
DX cooler [Pa]	223

## RH 5000



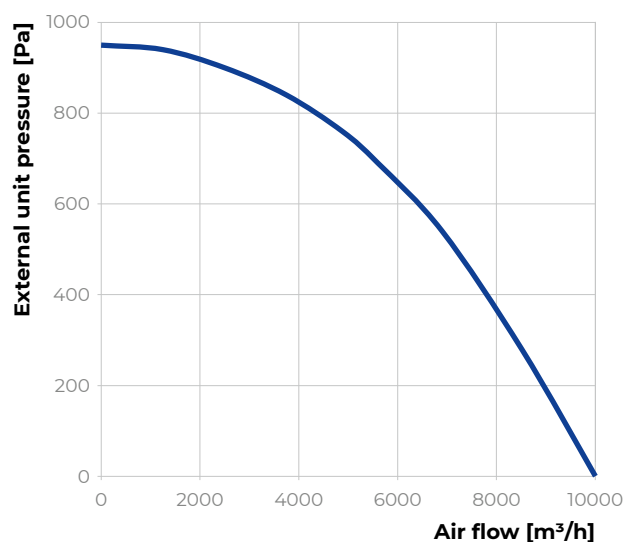
Additional pressure	RH 5000
Water heater [Pa]	50
Water cooler [Pa]	128
Electric heater [Pa]	30
DX cooler [Pa]	128

## RH 6000



Additional pressure	RH 6000
Water heater [Pa]	60
Water cooler [Pa]	207
Electric heater [Pa]	30
DX cooler [Pa]	207

## RH 9000



Additional pressure	RH 9000
Water heater [Pa]	60
Water cooler [Pa]	176
Electric heater [Pa]	30
DX cooler [Pa]	176