

BLAUAIR

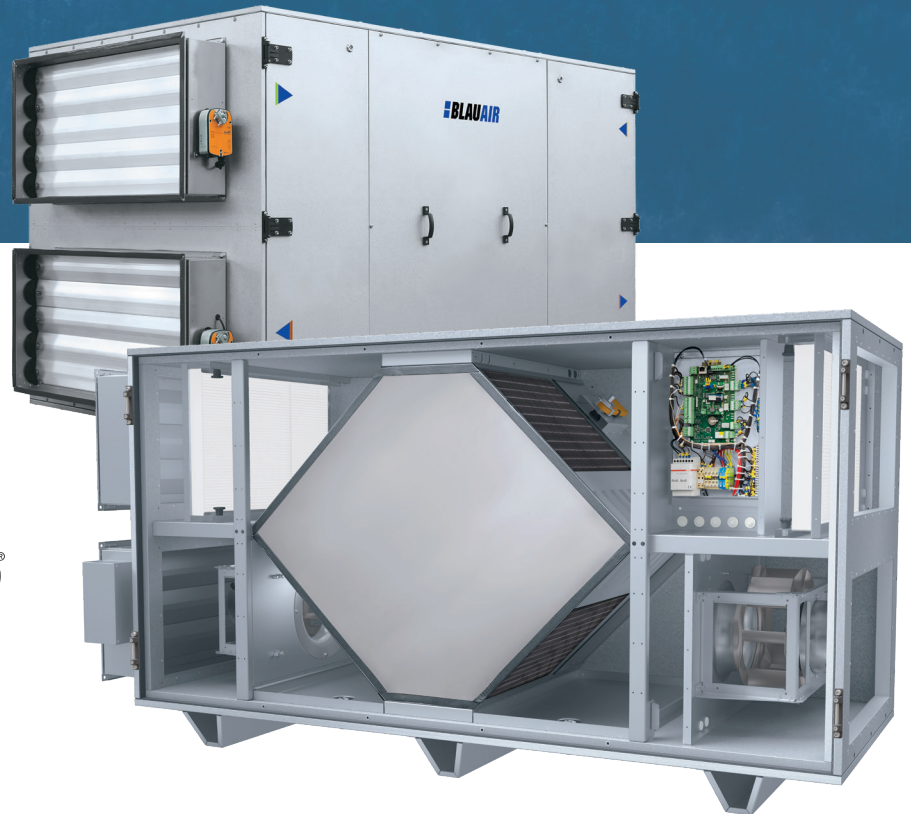


BLAUAIR CFH

FLOOR MOUNTED HEAT RECOVERY UNITS



BELIMO



Features

High-efficiency EC fans with backward curved external rotor. Integrated plug-and-play control.

Automatic full bypass.
ECO-Design'18 compliant.
Hinged service doors.

Optional outdoor installation with outdoor mounting kit. Web interface, Modbus, outputs for optional DX or water cooling/heating.

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

Operation via timers and sensors:

- RH
- CO₂
- Temperature
- Constant pressure
- Timer
- Daily/weekly schedule

Filters

Panel/pocket filters: filter class ISO ePM1 ≥ 50% (F7)

Casing

- Double skin
- Frameless
- Heat- and sound-insulated with 40 mm mineral wool 90 kg/m³ for CFH 800-6000, 50 mm for CFH 9000
- Outer skin: zinc-aluminum, powder-coated
- Inner skin: zinc-aluminum
- EN 1886 class: D1, T3, TB4

Heat exchanger

High-efficiency plate heat exchanger made from polystyrene. Stainless steel drain pan on both, supply and exhaust side.

Bypass and dampers

Automatic 100 % heat exchanger bypass damper with a **Belimo** actuator provides active frost protection, free-heating and free-cooling functions. Integrated automatic external dampers with Belimo drives.

Technical data

| 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 |
| | Permitted ambient temperature [°C] | -35 to +50 | | |
| | Motor protection class | IP54 | | |
| | Insulation class | B | | |
| Filter exhaust/supply | | ePM1 ≥ 50% (ISO 16890) F7 (EN 779) | | |
| Weight (net, without packing) [kg] | | 230 | 230 | 295 |
| Casing protection class | | IP34 | | |
| Sound pressure lvl @ 3m to environment [dBA] | | 34 | 35 | 37 |
| Transported air temperature [°C] | | -25 to +40 | | |

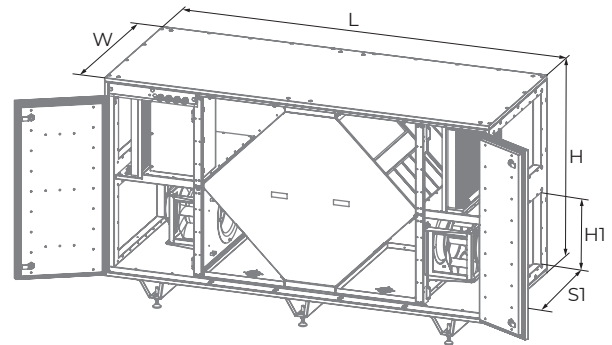
| Rated air flow [m³/h] | | 2500 | 3500 | 5000 |
|--|------------------------------------|--------------------------------------|------------|-------------|
| EC fans | Phase/voltage [50/60 Hz/VAC] | 1~200-240 | 3~380/480 | 3~380/480 |
| | Power/current [kW/A] | 2×0.835/6.9 | 2×1.15/3.6 | 2×1.33/4.25 |
| | Fan speed [min ⁻¹] | 3000 | 2400 | 1350 |
| | Permitted ambient temperature [°C] | -35 to +50 | | |
| | Motor protection class | IP54 | | |
| | Insulation class | B | | |
| Filter exhaust/supply | | ePM1 ≥ 50% (ISO 16890) F7 (EN 779) | | |
| Weight (net, without packing) [kg] | | 295 | 420 | 628 |
| Casing protection class | | IP34 | | |
| Sound pressure lvl @ 3m to environment [dBA] | | 37 | 35 | 32 |
| Transported air temperature [°C] | | -25 to +40 | | |

| Rated air flow [m³/h] | | 6000 | 9000 |
|--|------------------------------------|--------------------------------------|------|
| EC fans | Phase/voltage [50/60 Hz/VAC] | 3~380/480 | |
| | Power/current [kW/A] | 2×2.65/8.5 | |
| | Fan speed [min ⁻¹] | 1700 | |
| | Permitted ambient temperature [°C] | -35 to +50 | |
| | Motor protection class | IP54 | |
| | Insulation class | B | |
| Filter exhaust/supply | | ePM1 ≥ 50% (ISO 16890) F7 (EN 779) | |
| Weight (net, without packing) [kg] | | 628 | 1400 |
| Casing protection class | | IP34 | |
| Sound pressure lvl @ 3m to environment [dBA] | | 32 | |
| Transported air temperature [°C] | | -25 to +40 | |

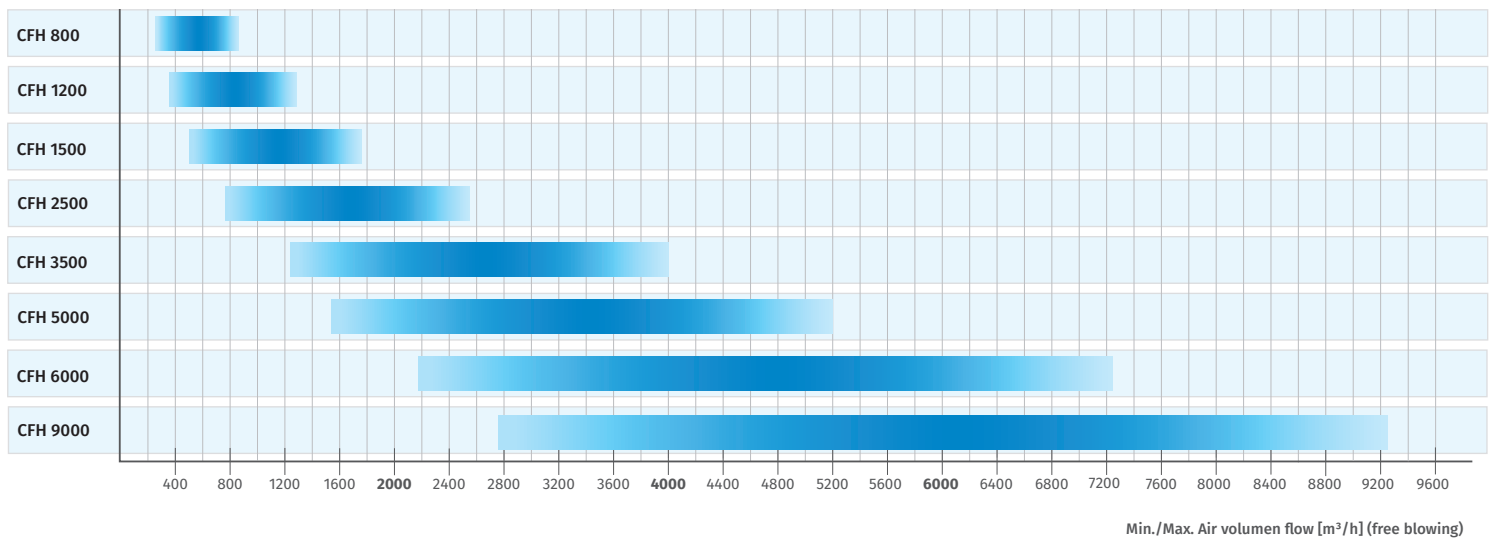


Overall dimensions [mm]

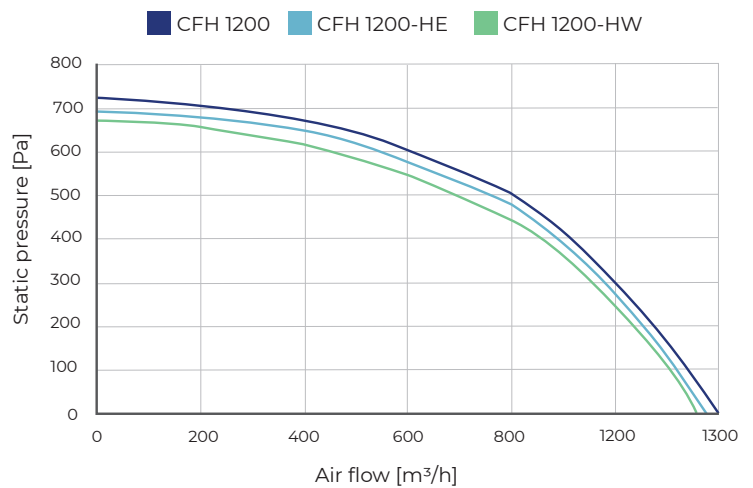
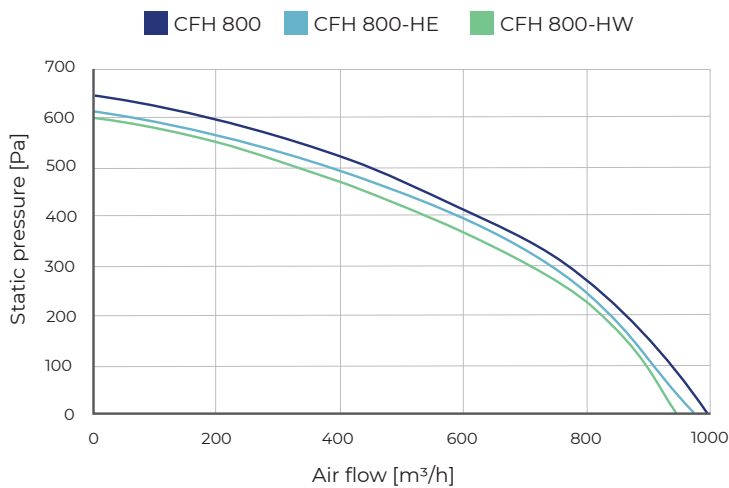
| | L | W | H | H1 | S1 |
|-----------------|------|------|------|-------|------|
| CFH 800 | 1800 | 540 | 960 | ∅ 315 | - |
| CFH 1200 | 1880 | 540 | 960 | ∅ 315 | - |
| CFH 1500 | 1880 | 750 | 960 | 350 | 600 |
| CFH 2500 | 1880 | 750 | 960 | 350 | 600 |
| CFH 3500 | 2200 | 890 | 1290 | 400 | 700 |
| CFH 5000 | 2300 | 1390 | 1420 | 500 | 1000 |
| CFH 6000 | 2300 | 1390 | 1420 | 500 | 1000 |
| CFH 9000 | 2990 | 2310 | 1710 | 600 | 1200 |

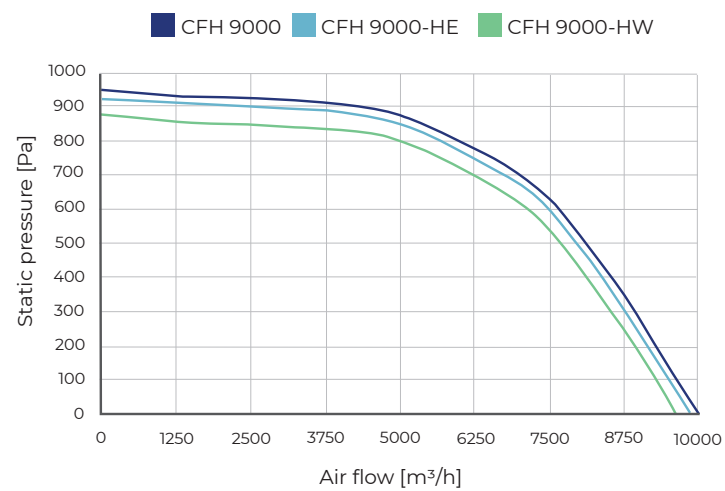
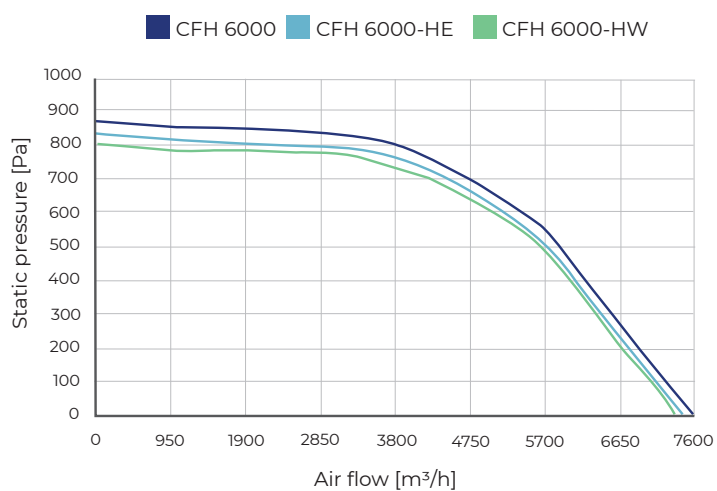
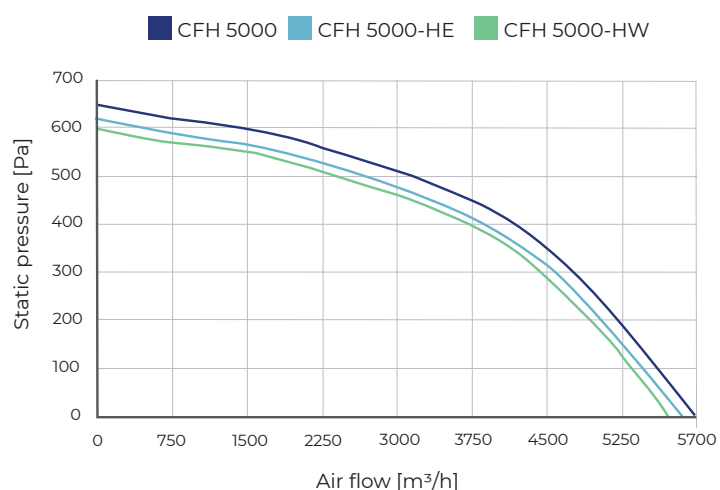
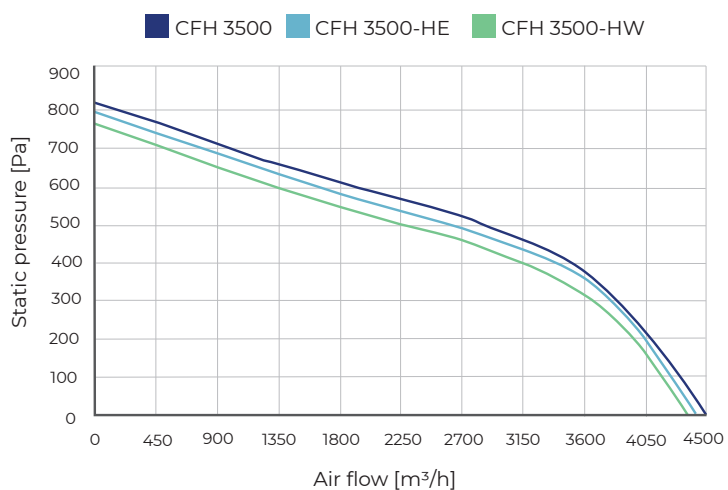
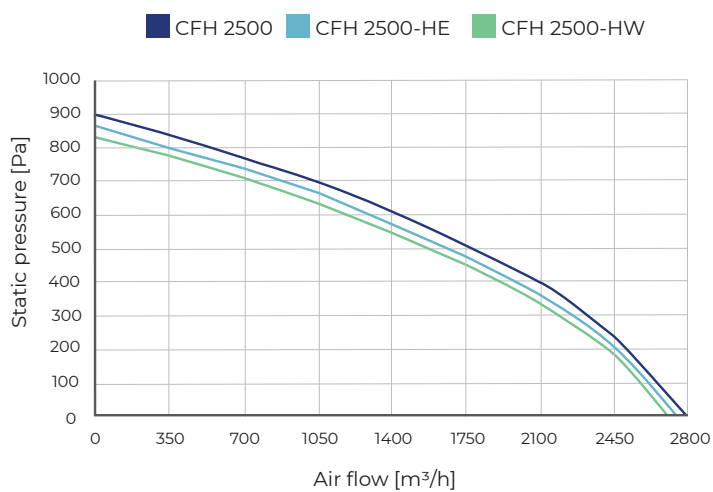
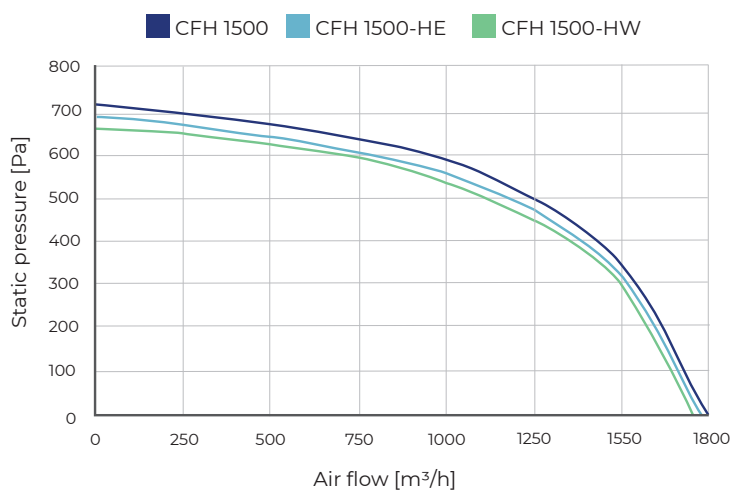


Air volume flows



Pressure curves

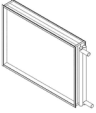
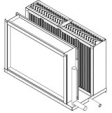

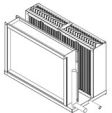




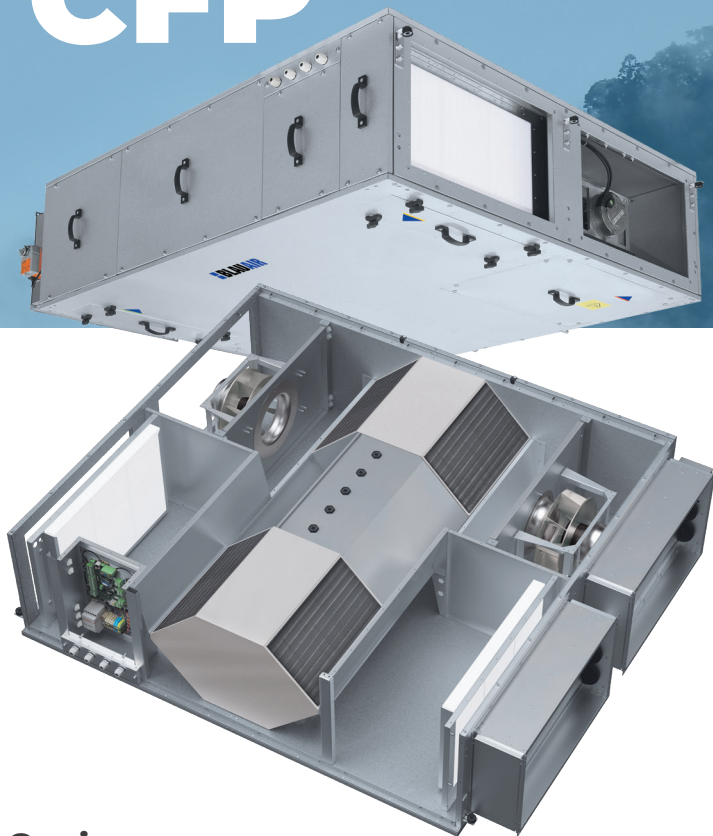
Connectors and adapters

| | Size [mm] | | |
|--------------------------|---------------------|----------|---------------|
| | Flexible connection | Damper | Adapter |
| CFH 800/CFH 1200 | Ø 315 | Ø 315 | Ø 315/500×300 |
| CFH 1500/CFH 2500 | 600×350 | 600×350 | 600×350/Ø 315 |
| CFH 3500 | 700×400 | 700×400 | 700×400/Ø 400 |
| CFH 5000/CFH 6000 | 1000×500 | 1000×500 | – |
| CFH 9000 | 1200×600 | 1200×600 | – |

Additional coils

| | | |
|------------------------|---|------------------|
| Water heater |  | WKH |
| Water cooler |  | KWK |
| Electric heater |  | EKH / EVH |
| DX cooler |  | KFK / DX |

BLAUAIR CFP



CEILING MOUNTED HEAT RECOVERY UNITS



Features

High-efficiency EC fans with backward curved external rotor.
Integrated plug-and-play control.

Automatic full bypass.
ECO-Design'18 compliant.
Hinged service doors.

Web interface, Modbus, outputs for optional DX or water cooling/heating.

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

Operation via timers and sensors:

- RH
- CO₂
- Temperature
- Constant pressure
- Timer
- Daily/weekly schedule

Filters

Panel/pocket filters: filter class ISO ePM1 ≥ 50% | F7

Casing

- Double skin
- Frameless
- Heat- and sound-insulated with 40 mm mineral wool 90 kg/m³ for CFP 500-3500, 50 mm for CFP 5000-6000
- Outer skin: zinc-aluminum, powder-coated
- Inner skin: zinc-aluminum
- EN 1886 class: D1, T3, TB4

Heat exchanger

High-efficiency counter flow heat exchanger made of polystyrene. Stainless steel drain pan on both, supply and exhaust side.

Bypass and dampers

Automatic 100 % heat exchanger bypass damper with a **Belimo** actuator provides active frost protection, free-heating and free-cooling functions. Integrated automatic external dampers with Belimo drives.



Technical data

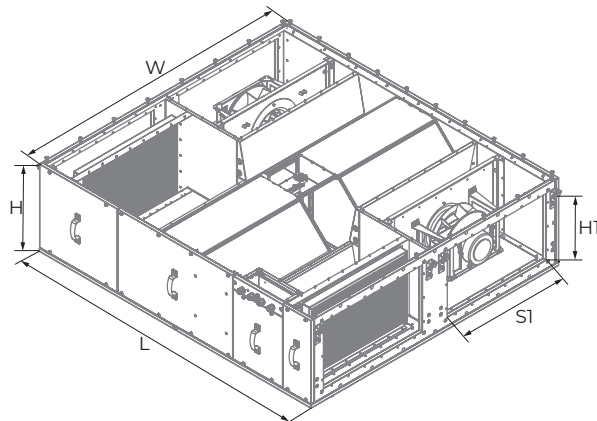
| Rated air flow [m ³ /h] | | 500 | 700 | 1200 |
|--|--------------------------------------|--------------|--------------|------------|
| EC fans | Phase/voltage [50/60 Hz/VAC] | 1~200-240 | | |
| | Power/current [kW/A] | 2×0.083/0.75 | 2×0.169/1.75 | 2×0.36/1.6 |
| | Fan speed [min ⁻¹] | 3200 | 4120 | 2500 |
| | Permitted ambient temperature [°C] | -35 to +50 | | |
| | Motor protection class | IP54 | | |
| | Insulation class | B | | |
| | Transported air temperature [°C] | -25 to +40 | | |
| Filter exhaust/supply | ePM1 ≥ 50% (ISO 16890) F7 (EN 779) | | | |
| Weight (net, without packing) [kg] | 82 | 85 | 199 | |
| Casing protection class | IP34 | | | |
| Sound pressure lvl @ 3m to environment [dBA] | 32 | 33 | 35 | |

| Rated air flow [m ³ /h] | | 1500 | 2500 | 3500 |
|--|--------------------------------------|------------|-------------|------------|
| EC fans | Phase/voltage [50/60 Hz/VAC] | 1~200/240 | 1~200/240 | 3~380/480 |
| | Power/current [kW/A] | 2×0.46/3.0 | 2×0.74/3.75 | 2×1.14/1.8 |
| | Fan speed [min ⁻¹] | 2848 | 2640 | 2400 |
| | Permitted ambient temperature [°C] | -35 to +50 | | |
| | Motor protection class | IP54 | | |
| | Insulation class | B | | |
| | Transported air temperature [°C] | -25 to +40 | | |
| Filter exhaust/supply | ePM1 ≥ 50% (ISO 16890) F7 (EN 779) | | | |
| Weight (net, without packing) [kg] | 270 | 290 | 320 | |
| Casing protection class | IP34 | | | |
| Sound pressure lvl @ 3m to environment [dBA] | 32 | 34 | 35 | |

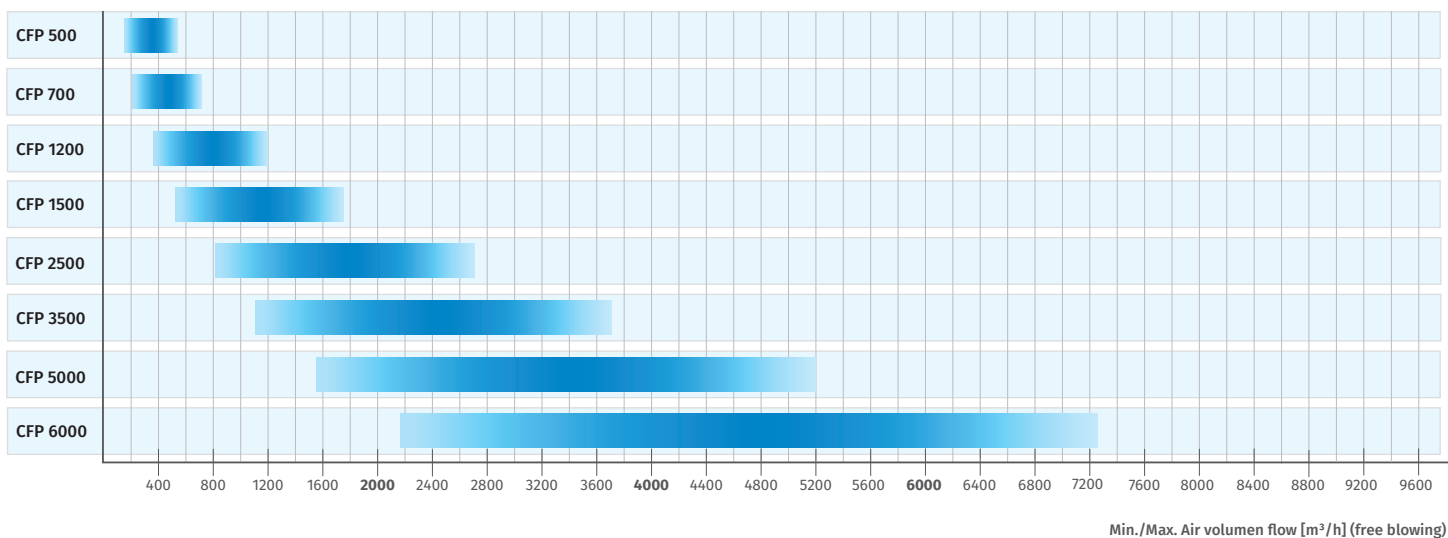
| Rated air flow [m ³ /h] | | 5000 | 6000 |
|--|--------------------------------------|-------------|------------|
| EC fans | Phase/voltage [50/60 Hz/VAC] | 3~380/480 | |
| | Power/current [kW/A] | 2×1.32/4.25 | 2×2.65/8.5 |
| | Fan speed [min ⁻¹] | 1350 | 1700 |
| | Permitted ambient temperature [°C] | -35 to +50 | |
| | Motor protection class | IP54 | |
| | Insulation class | B | |
| | Transported air temperature [°C] | -25 to +40 | |
| Filter exhaust/supply | ePM1 ≥ 50% (ISO 16890) F7 (EN 779) | | |
| Weight (net, without packing) [kg] | 685 | | |
| Casing protection class | IP34 | | |
| Sound pressure lvl @ 3m to environment [dBA] | 34 | 35 | |

Overall dimensions [mm]

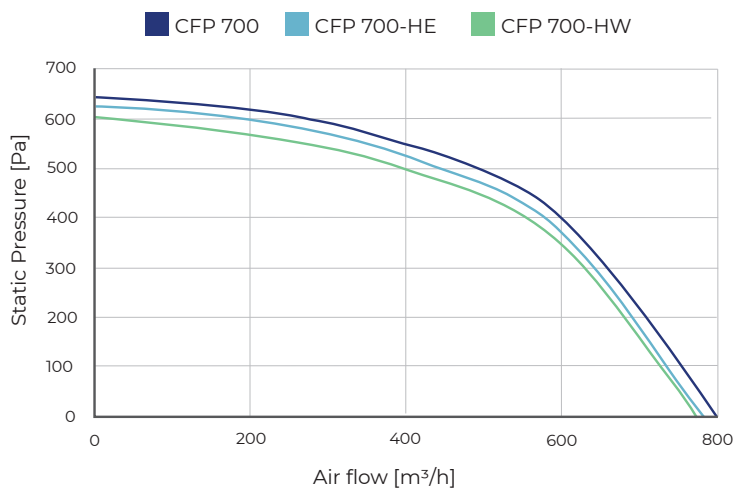
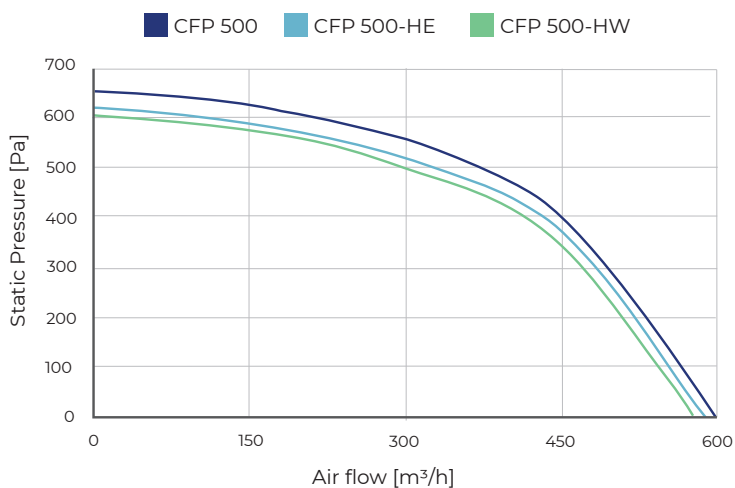
| | L | W | H | H1 | S1 |
|-----------------|------|------|------|------|-----|
| CFP 500 | 1500 | 1080 | 360 | Ø250 | – |
| CFP 700 | 1500 | 1080 | 360 | Ø250 | – |
| CFP 1200 | 1800 | 1440 | 380 | 300 | 500 |
| CFP 1500 | 1646 | 1500 | 480 | 350 | 600 |
| CFP 2500 | 1646 | 1500 | 480 | 350 | 600 |
| CFP 3500 | 1880 | 1500 | 630 | 350 | 600 |
| CFP 5000 | 2900 | 1900 | 1000 | 500 | 800 |
| CFP 6000 | 2900 | 1900 | 1000 | 500 | 800 |



Air volume flows

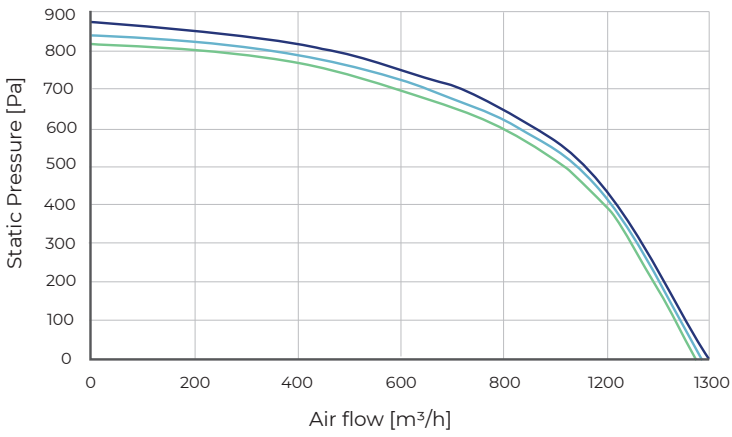


Pressure curves

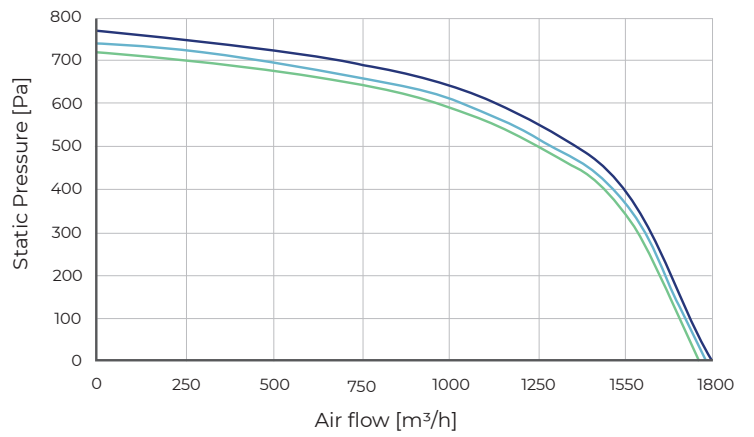


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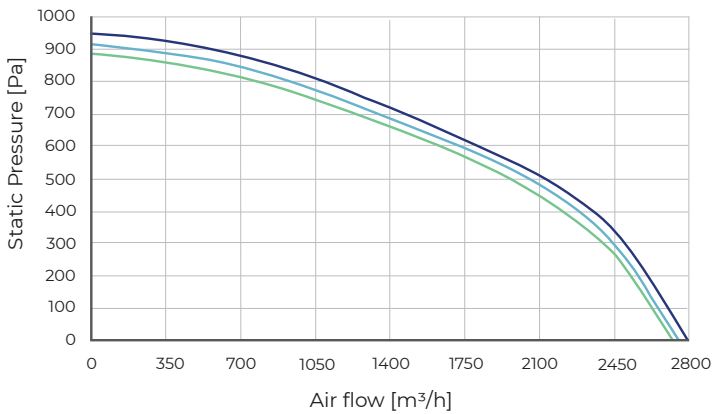
CFP 1200 CFP 1200-HE CFP 1200-HW



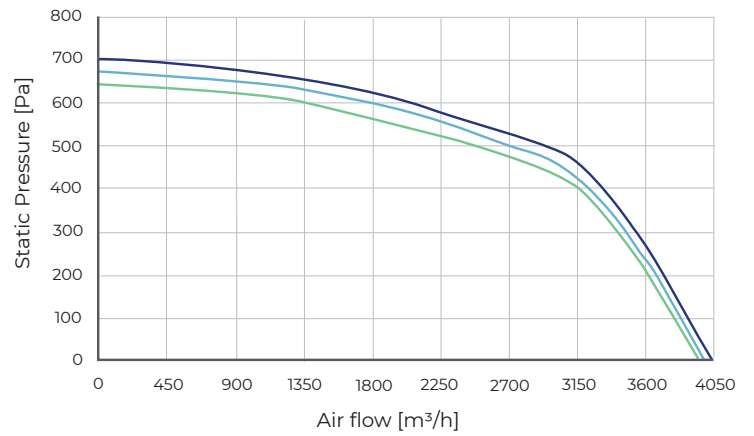
CFP 1500 CFP 1500-HE CFP 1500-HW



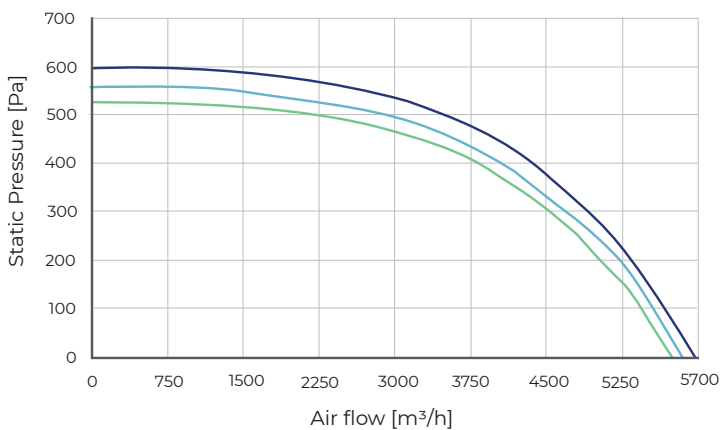
CFP 2500 CFP 2500-HE CFP 2500-HW



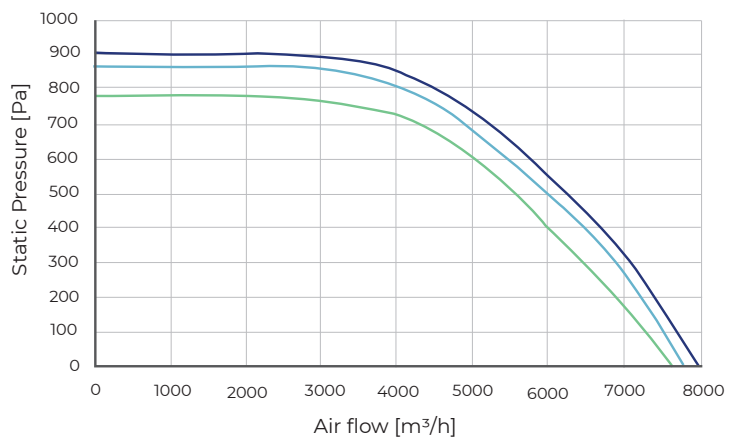
CFP 3500 CFP 3500-HE CFP 3500-HW



CFP 5000 CFP 5000-HE CFP 5000-HW



CFP 6000 CFP 6000-HE CFP 6000-HW

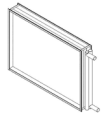
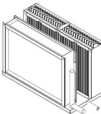

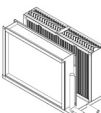




Connectors and adapters

| | Size [mm] | | |
|--------------------------|---------------------|---------|---------------|
| | Flexible connection | Damper | Adapter |
| CFP 500/CFP 700 | Ø 250 | Ø 250 | Ø 250/400×200 |
| CFP 1200 | 500×300 | 500×300 | 500×300/Ø 315 |
| CFP 1500/CFP 2500 | 600×350 | 600×350 | 600×350/Ø 315 |
| CFP 3500 | 600×350 | 600×350 | 600×350/Ø 315 |
| CFP 5000/CFP 6000 | 800×500 | 800×500 | – |

Additional coils

| | | |
|------------------------|---|------------------|
| Water heater |  | WKH |
| Water cooler |  | KWK |
| Electric heater |  | EKH / EVH |
| DX cooler |  | KFK / DX |

BLAUAIR CFV

FLOOR MOUNTED HEAT RECOVERY UNITS



BELIMO



Features

High-efficiency EC fans with backward curved external rotor.
Integrated plug-and-play control.

Automatic full bypass.
ECO-Design'18 compliant.
Hinged service doors.

Web interface, Modbus, outputs for optional DX or water cooling/heating.

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

Operation via timers and sensors:

- RH
- CO₂
- Temperature
- Constant pressure
- Timer
- Daily/weekly schedule

Casing

- Double skin
- Frameless
- Heat- and sound-insulated with 40 mm mineral wool (90 kg/m³)
- Outer skin: zinc-aluminum, powder-coated
- Inner skin: zinc-aluminum
- EN 1886 class: D1, T3, TB4

Heat exchanger

High-efficiency plate heat exchanger made from polystyrene. Stainless steel drain pan on both, supply and exhaust side.

Bypass and dampers

Automatic 100 % heat exchanger bypass damper with a **Belimo** actuator provides active frost protection, free-heating and free-cooling functions. Integrated automatic external dampers with Belimo drives.

Filters

Panel/pocket filters: filter class ISO ePM1 ≥ 50% | F7

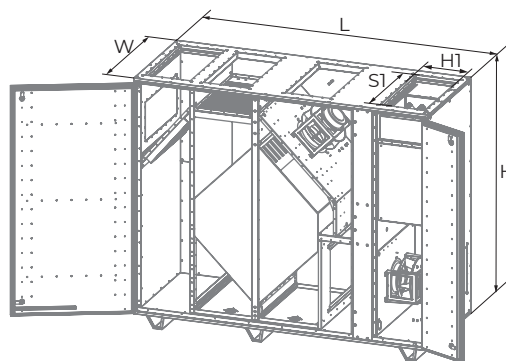
Technical data

| Rated air flow [m³/h] | | 800 | 1200 | 1500 | 2500 |
|--|------------------------------------|--------------------------------------|-----------|------------|------------|
| EC fans | Phase/voltage [50/60 Hz/VAC] | 1~200-240 | | | |
| | Power/current [kW/A] | 2x0.35/1.5 | 2x0.6/2.7 | 2x0.53/4.8 | 2x0.75/6.8 |
| | Fan speed [min ⁻¹] | 2400 | 2450 | 3000 | 3000 |
| | Permitted ambient temperature [°C] | -35 to +50 | | | |
| | Motor protection class | IP54 | | | |
| | Insulation class | B | | | |
| Filter exhaust/supply | | ePM1 ≥ 50% (ISO 16890) F7 (EN 779) | | | |
| Weight (net, without packing) [kg] | | 260 | 260 | 307 | 307 |
| Casing protection class | | IP34 | | | |
| Sound pressure lvl @ 3m to environment [dBA] | | 38 | 39 | 28 | 30 |
| Transported air temperature [°C] | | -25 to +40 | | | |

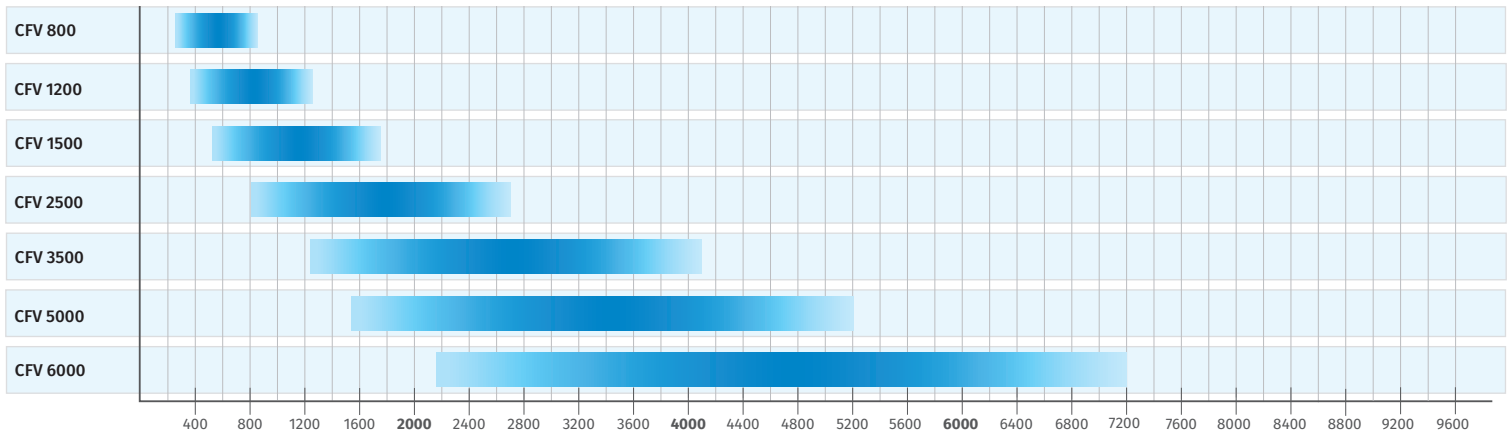
| Rated air flow [m³/h] | | 3500 | 5000 | 6000 |
|--|------------------------------------|--------------------------------------|-------------|-----------|
| EC fans | Phase/voltage [50/60 Hz/VAC] | 3~380/480 | | |
| | Power/current [kW/A] | 2x1.15/3.6 | 2x1.32/4.25 | 2x2.6/8.5 |
| | Fan speed [min ⁻¹] | 2400 | 1350 | 1700 |
| | Permitted ambient temperature [°C] | -35 to +50 | | |
| | Motor protection class | IP54 | | |
| | Insulation class | B | | |
| Filter exhaust/supply | | ePM1 ≥ 50% (ISO 16890) F7 (EN 779) | | |
| Weight (net, without packing) [kg] | | 515 | 715 | 715 |
| Casing protection class | | IP34 | | |
| Sound pressure lvl @ 3m to environment [dBA] | | 34 | 32 | 34 |
| Transported air temperature [°C] | | -25 to +40 | | |

Overall dimensions [mm]

| | L | W | H | H1 | S1 |
|----------|------|------|------|-------|------|
| CFV 800 | 1400 | 800 | 1250 | ∅ 315 | - |
| CFV 1200 | 1400 | 800 | 1250 | ∅ 315 | - |
| CFV 1500 | 1950 | 750 | 1550 | 300 | 600 |
| CFV 2500 | 1950 | 750 | 1550 | 300 | 600 |
| CFV 3500 | 2200 | 890 | 1800 | 300 | 600 |
| CFV 5000 | 2330 | 1390 | 1800 | 400 | 1000 |
| CFV 6000 | 2330 | 1390 | 1800 | 400 | 1000 |



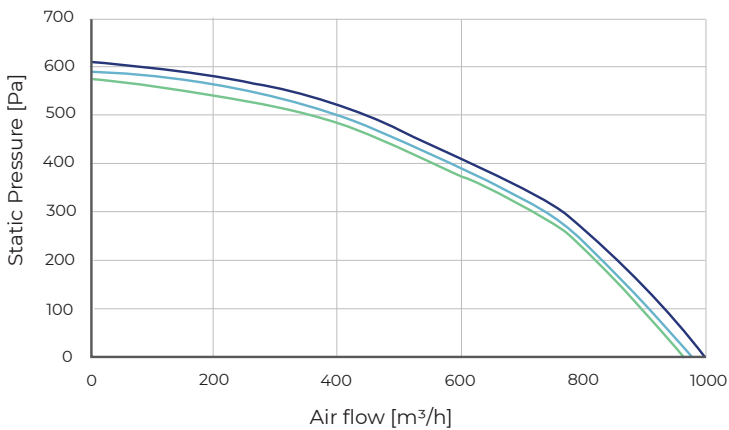
Air volume flows



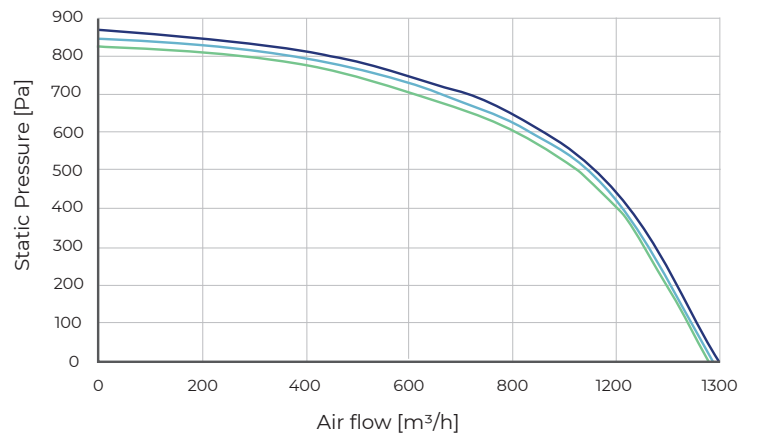
Min./Max. Air volumen flow [m³/h] (free blowing)

Pressure curves

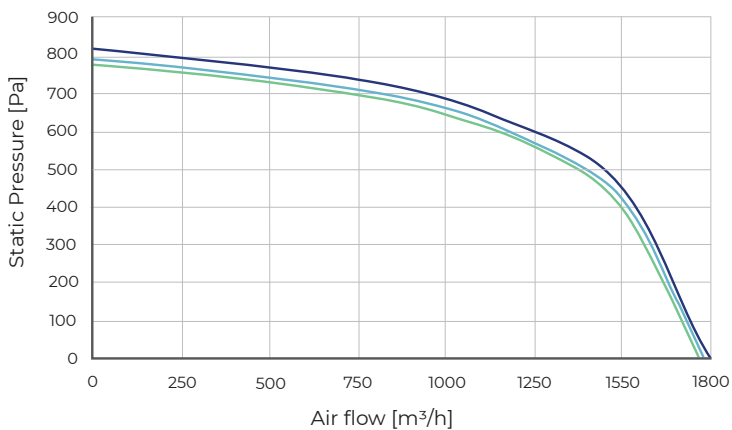
■ CFV 800 ■ CFV 800-HE ■ CFV 800-HW



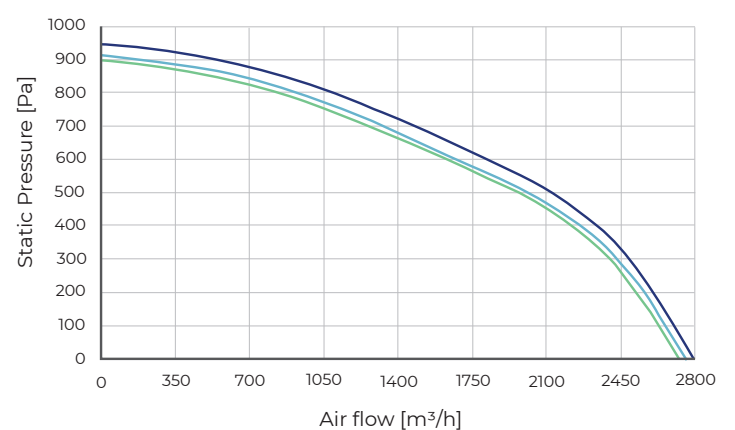
■ CFV 1200 ■ CFV 1200-HE ■ CFV 1200-HW

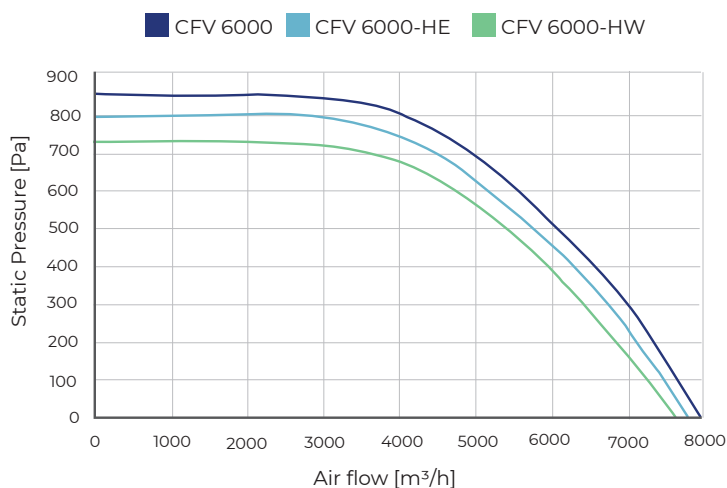
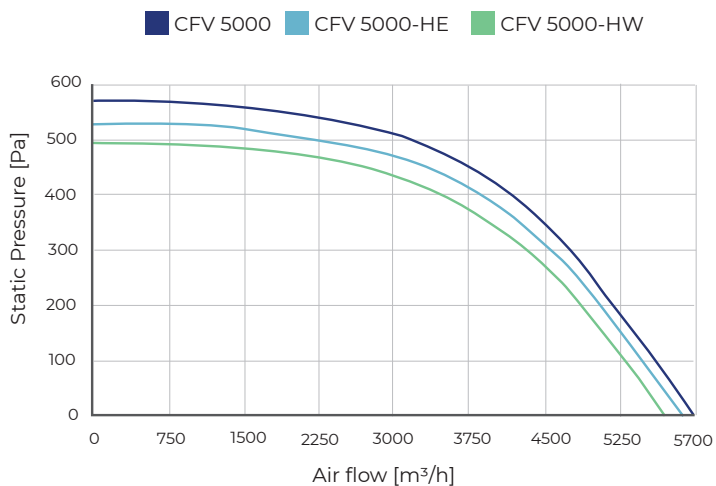
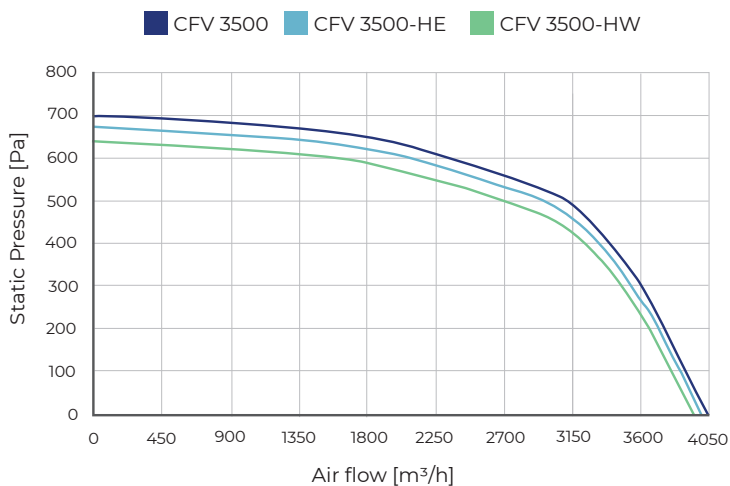


■ CFV 1500 ■ CFV 1500-HE ■ CFV 1500-HW

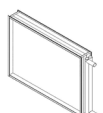
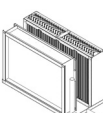
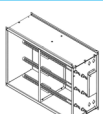
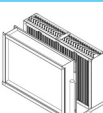


■ CFV 2500 ■ CFV 2500-HE ■ CFV 2500-HW





Additional coils

| | | |
|------------------------|---|------------------|
| Water heater |  | WKH |
| Water cooler |  | KWK |
| Electric heater |  | EKH / EVH |
| DX cooler |  | KFK / DX |

Connectors and adapters

| | Size [mm] | | |
|--------------------------|---------------------|----------|-------------------|
| | Flexible connection | Damper | Adapter |
| CFV 800/CFV 1200 | Ø 315 | Ø 315 | Ø 315/500x250 |
| CFV 1500/CFV 2500 | 600x300 | 600x300 | 600x300/600x350 |
| CFV 3500 | 600x300 | 600x300 | 600x300/600x350 |
| CFV 5000/CFV 6000 | 1000x400 | 1000x400 | 1000x400/1000x500 |

BLAUAIR RH



FLOOR MOUNTED HEAT RECOVERY UNITS



Features

High-efficiency EC fans with backward curved external rotor. Integrated plug-and-play control.

Optional outdoor installation with outdoor mounting kit. Web interface, Modbus, outputs for optional DX or water cooling/heating.

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

Operation via timers and sensors:

- RH
- CO₂
- Temperature
- Constant pressure
- Timer
- Daily/weekly schedule

Filters

Panel/pocket filters: filter class ISO ePM1 ≥ 50% | F7

Casing

- Double skin
- Frameless
- Heat- and sound-insulated with 40 mm mineral wool (90 kg/m³) for RH 800–6000, 50 mm for RH 9000
- Outer skin: zinc-aluminum, powder-coated
- Inner skin: zinc-aluminum
- EN 1886 class: D1, T3, TB4

Heat exchanger

The high-efficiency rotary heat exchanger is available in two versions:

- Rotary heat exchanger (aluminium) – standard version
- Enthalpy rotary heat exchanger with humidity recovery – optional

Bypass and dampers

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

Technical data

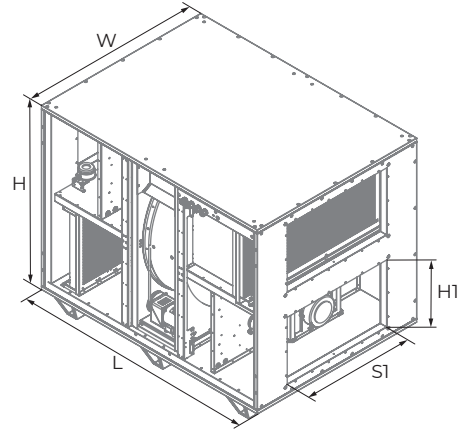
| Rated air flow [m³/h] | | 800 | 1200 | 1500 |
|--|------------------------------------|--------------------------------------|------------|------------|
| EC fans | Phase/voltage [50/60 Hz/VAC] | 1~200-240 | | |
| | Power/current [kW/A] | 2×0.27/2.5 | 2×0.61/5.3 | 2×0.61/5.3 |
| | Fan speed [min ⁻¹] | 2800 | 3000 | 3000 |
| | Permitted ambient temperature [°C] | -35 to +50 | | |
| | Motor protection class | IP54 | | |
| | Insulation class | B | | |
| Transported air temperature [°C] | | -25 to +40 | | |
| Filter exhaust/supply | | ePM1 ≥ 50% (ISO 16890) F7 (EN 779) | | |
| Weight (net, without packing) [kg] | | 190 | 190 | 248 |
| Casing 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] | 1~200-240 | 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 |
| | Permitted ambient temperature [°C] | -35 to +50 | | |
| | Motor protection class | IP54 | | |
| | Insulation class | B | | |
| Transported air temperature [°C] | | -25 to +40 | | |
| Filter exhaust/supply | | ePM1 ≥ 50% (ISO 16890) F7 (EN 779) | | |
| Weight (net, without packing) [kg] | | 248 | 328 | 559 |
| Casing protection class | | IP34 | | |
| Sound pressure lvl @ 3m to environment [dBA] | | 37 | 35 | 32 |

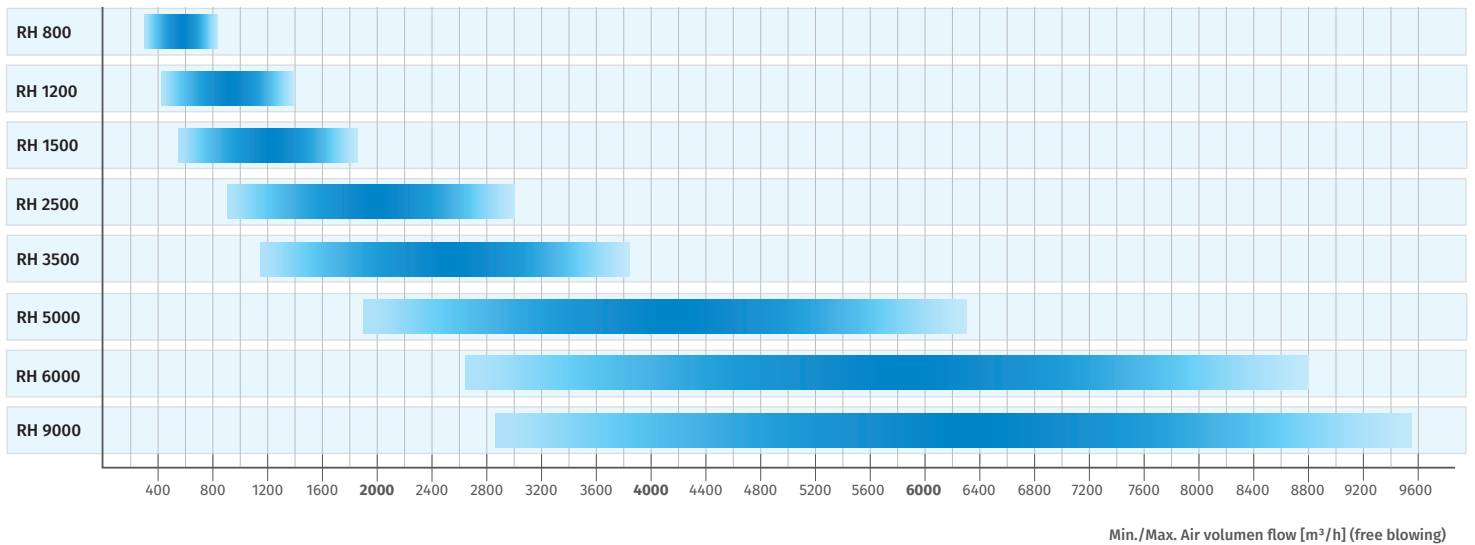
| Rated air flow [m³/h] | | 6000 | 9000 |
|--|------------------------------------|--------------------------------------|------|
| EC fans | Phase/voltage [50/60 Hz/VAC] | 3~380/480 | |
| | Power/current [kW/A] | 2×2.74/8.8 | |
| | Fan speed [min ⁻¹] | 1700 | |
| | Permitted ambient temperature [°C] | -35 to +50 | |
| | Motor protection class | IP54 | |
| | Insulation class | B | |
| Transported air temperature [°C] | | -25 to +40 | |
| Filter exhaust/supply | | ePM1 ≥ 50% (ISO 16890) F7 (EN 779) | |
| Weight (net, without packing) [kg] | | 559 | 930 |
| Casing protection class | | IP34 | |
| Sound pressure lvl @ 3m to environment [dBA] | | 32 | |

Overall dimensions [mm]

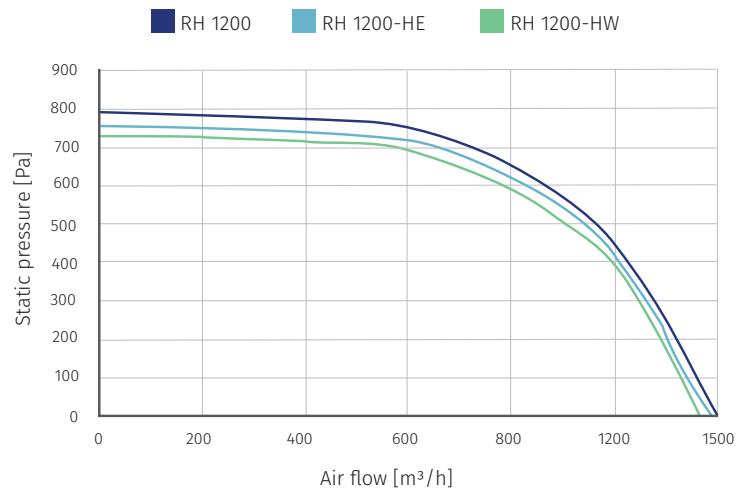
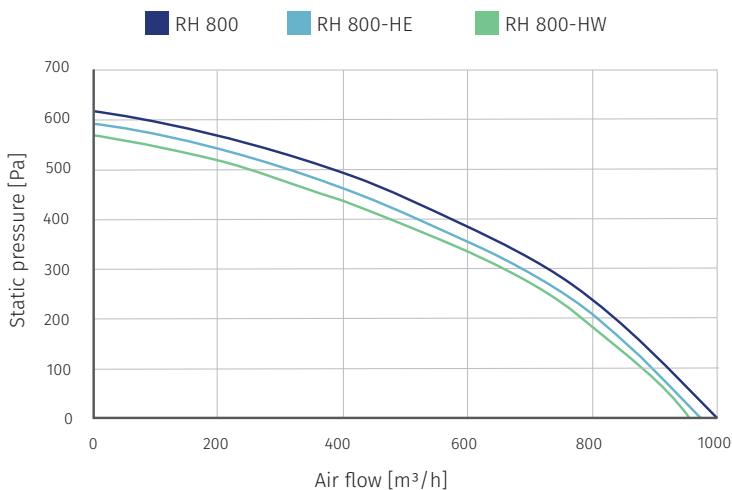
| | L | W | H | H1 | S1 |
|----------------|------|------|------|-------|------|
| RH 800 | 1400 | 765 | 820 | ∅ 315 | - |
| RH 1200 | 1400 | 765 | 820 | ∅ 315 | - |
| RH 1500 | 1300 | 960 | 960 | 350 | 600 |
| RH 2500 | 1300 | 960 | 960 | 350 | 600 |
| RH 3500 | 1300 | 1260 | 1290 | 400 | 700 |
| RH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

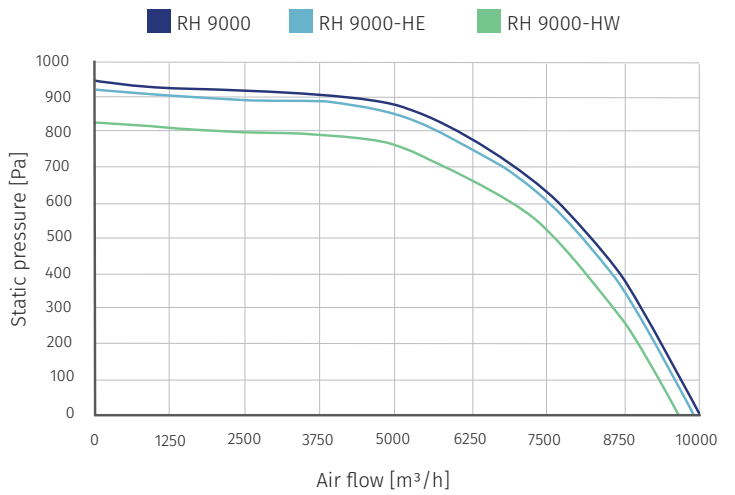
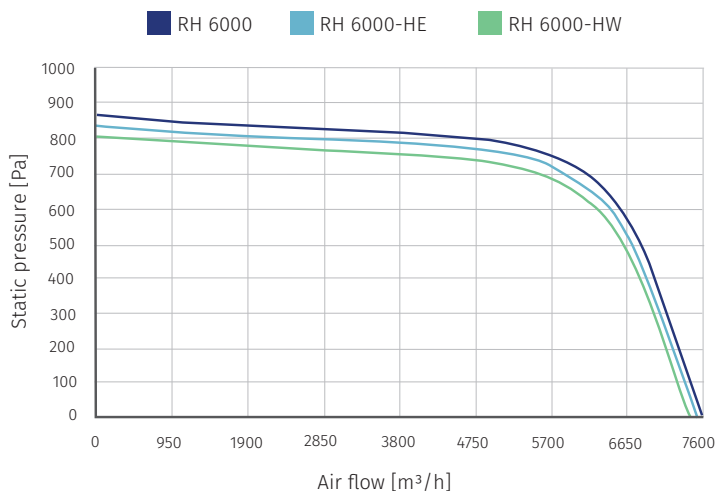
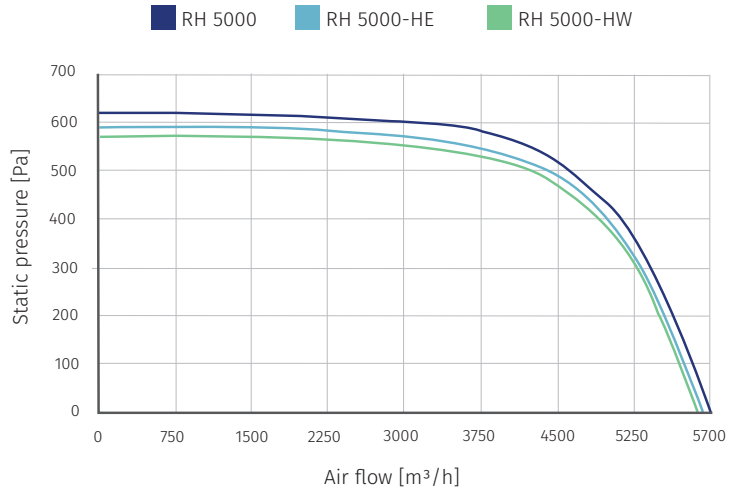
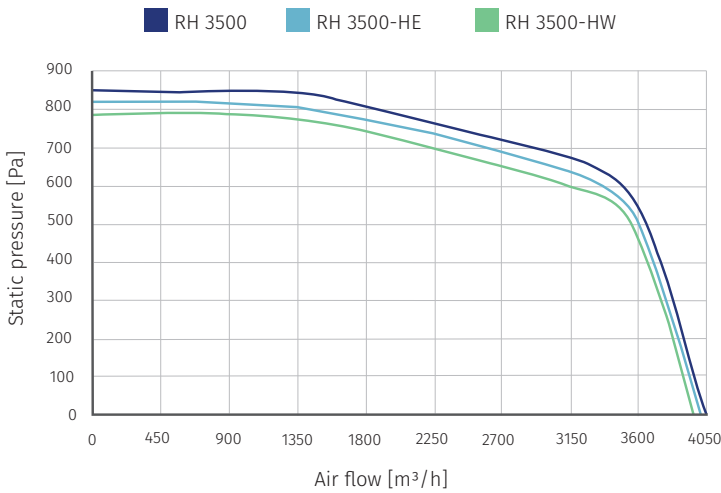
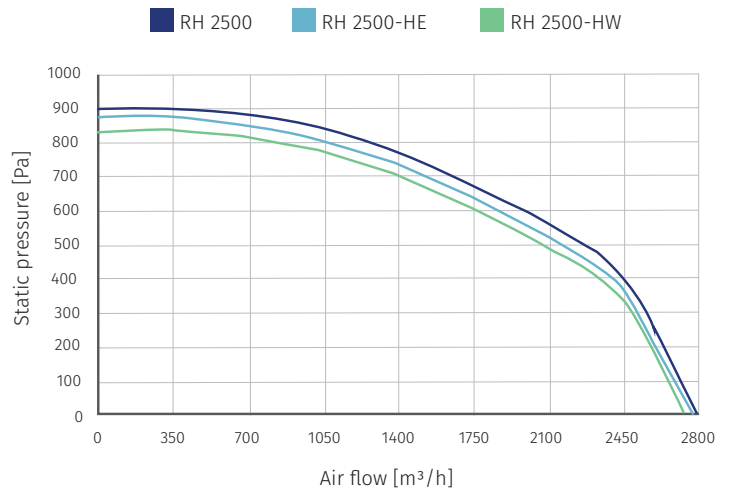
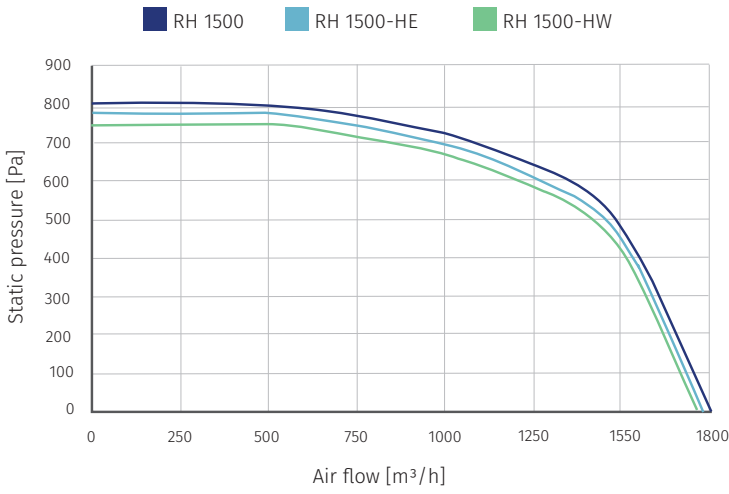


Air volume flows



Pressure curves

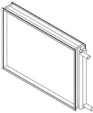
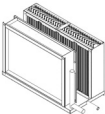

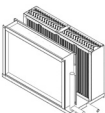




Connectors and adapters

| | 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 coils

| | | |
|------------------------|---|------------------|
| Water heater |  | WKH |
| Water cooler |  | KWK |
| Electric heater |  | EKH / EVH |
| DX cooler |  | KFK / DX |

BLAUAIR RV

FLOOR MOUNTED HEAT RECOVERY UNITS



BELIMO



Features

High-efficiency EC fans with backward curved external rotor. Integrated plug-and-play control.

Automatic full bypass.

ECO-Design'18 compliant.

Plate heat exchanger made of polystyrene.

Web interface, Modbus, outputs for optional DX or water cooling/heating.

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

Operation via timers and sensors:

- RH
- CO₂
- Temperature
- Constant pressure
- Timer
- Daily/weekly schedule

Casing

- Double skin
- Frameless
- Heat- and sound-insulated with 40 mm mineral wool (90 kg/m³)
- Outer skin: zinc-aluminum, powder-coated
- Inner skin: zinc-aluminum
- EN 1886 class: D1, T3, TB4



Heat exchanger

The high-efficiency rotary heat exchanger is available in two versions:

- Rotary heat exchanger (aluminium) – standard version
- Enthalpy rotary heat exchanger with humidity recovery – optional

Bypass and dampers

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

Filters

Panel/pocket filters: filter class ISO ePM1 ≥ 50% | F7

Technical data

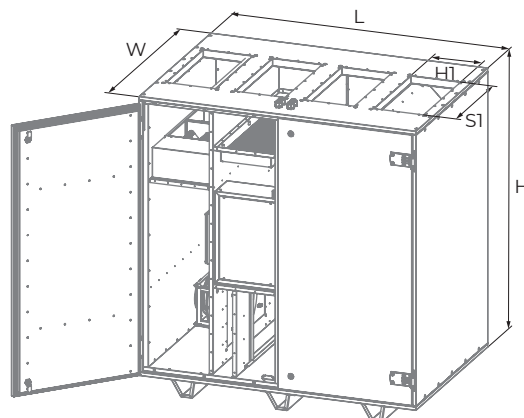
| Rated air flow [m ³ /h] | | 800 | 1200 | 1500 |
|--|------------------------------------|--------------------------------------|------------|------------|
| EC fans | Phase/voltage [50/60 Hz/VAC] | 1~200-240 | | |
| | Power/current [kW/A] | 2×0.28/2.5 | 2×0.61/5.6 | 2×0.61/5.6 |
| | Fan speed [min ⁻¹] | 2800 | 3000 | 3000 |
| | Permitted ambient temperature [°C] | -35 to +50 | | |
| | Motor protection class | IP54 | | |
| | Insulation class | B | | |
| Filter exhaust/supply | | ePM1 ≥ 50% (ISO 16890) F7 (EN 779) | | |
| Weight (net, without packing) [kg] | | 270 | 270 | 307 |
| Casing protection class | | IP34 | | |
| Sound pressure lvl @ 3m to environment [dBA] | | 34 | 35 | 37 |
| Transported air temperature [°C] | | -25 to +40 | | |

| Rated air flow [m ³ /h] | | 2500 | 3500 |
|--|------------------------------------|--------------------------------------|-------------|
| EC fans | Phase/voltage [50/60 Hz/VAC] | 1~200/200-240 | 3~380/480 |
| | Power/current [kW/A] | 2×0.84/7.6 | 2×1.24/3.95 |
| | Fan speed [min ⁻¹] | 3000 | 2400 |
| | Permitted ambient temperature [°C] | -35 to +50 | |
| | Motor protection class | IP54 | |
| | Insulation class | B | |
| Filter exhaust/supply | | ePM1 ≥ 50% (ISO 16890) F7 (EN 779) | |
| Weight (net, without packing) [kg] | | 307 | 405 |
| Casing protection class | | IP34 | |
| Sound pressure lvl @ 3m to environment [dBA] | | 37 | 35 |
| Transported air temperature [°C] | | -25 to +40 | |

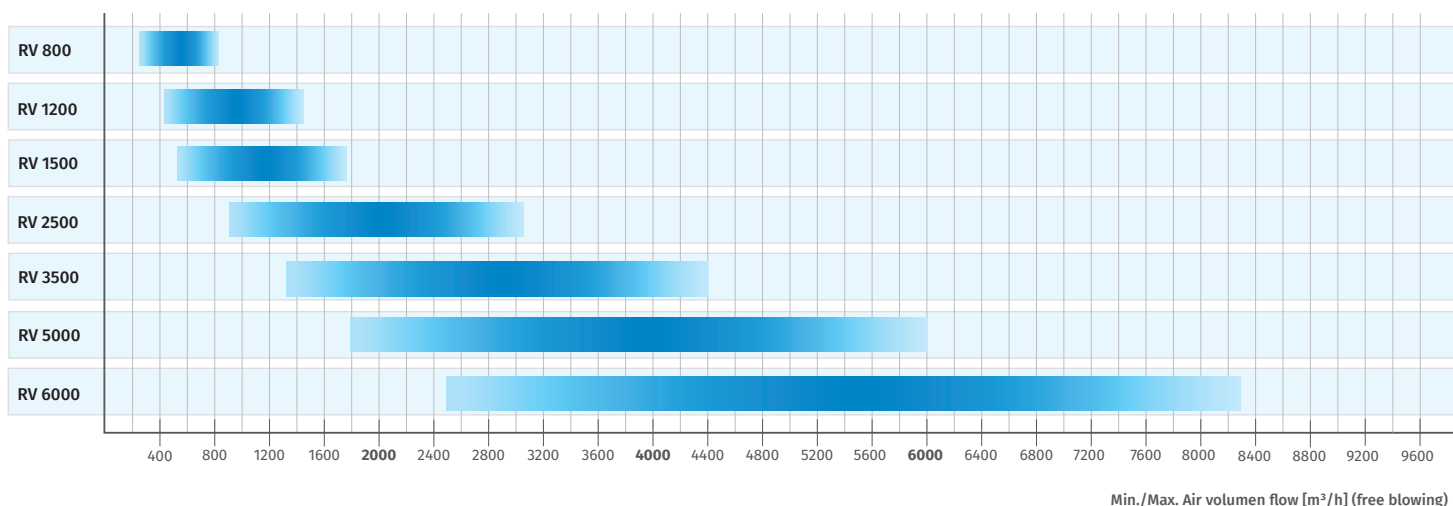
| Rated air flow [m ³ /h] | | 5000 | 6000 |
|--|------------------------------------|--------------------------------------|------------|
| EC fans | Phase/voltage [50/60 Hz/VAC] | 3~380/480 | |
| | Power/current [kW/A] | 2×1.42/4.53 | 2×2.74/8.8 |
| | Fan speed [min ⁻¹] | 1350 | 1700 |
| | Permitted ambient temperature [°C] | -35 to +50 | |
| | Motor protection class | IP54 | |
| | Insulation class | B | |
| Filter exhaust/supply | | ePM1 ≥ 50% (ISO 16890) F7 (EN 779) | |
| Weight (net, without packing) [kg] | | 715 | |
| Casing protection class | | IP34 | |
| Sound pressure lvl @ 3m to environment [dBA] | | 32 | |
| Transported air temperature [°C] | | -25 to +40 | |

Overall dimensions [mm]

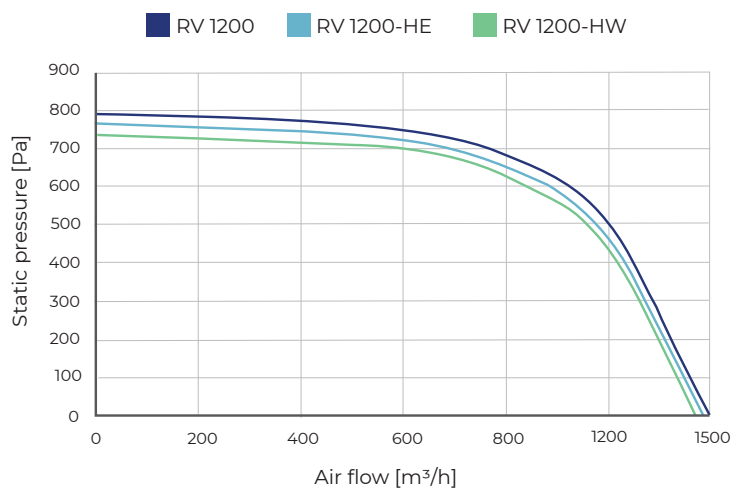
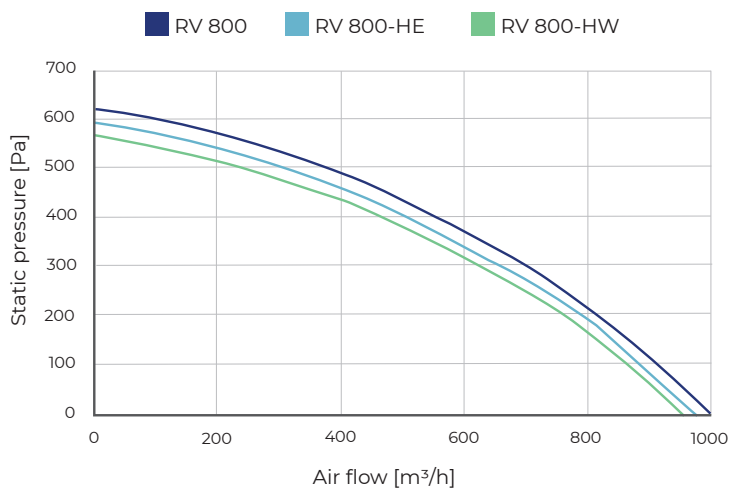
| | L | W | H | H1 | S1 |
|----------------|------|------|------|-------|------|
| RV 800 | 1140 | 785 | 1250 | ∅ 250 | – |
| RV 1200 | 1140 | 785 | 1250 | ∅ 250 | – |
| RV 1500 | 1400 | 960 | 1400 | 250 | 500 |
| RV 2500 | 1400 | 960 | 1400 | 250 | 500 |
| RV 3500 | 1600 | 1290 | 1860 | 300 | 600 |
| RV 5000 | 1910 | 1390 | 2090 | 500 | 1000 |
| RV 6000 | 1910 | 1390 | 2090 | 500 | 1000 |

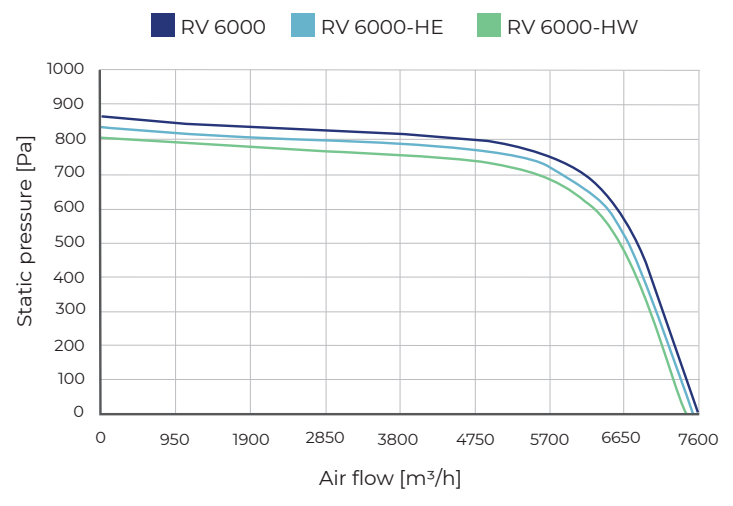
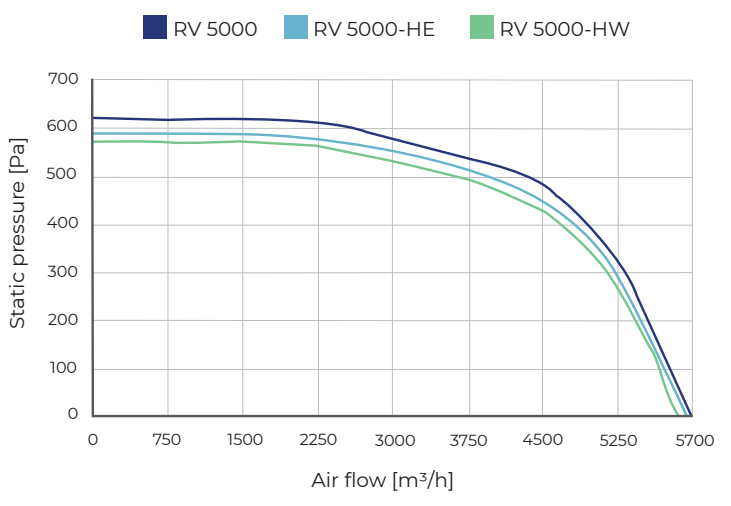
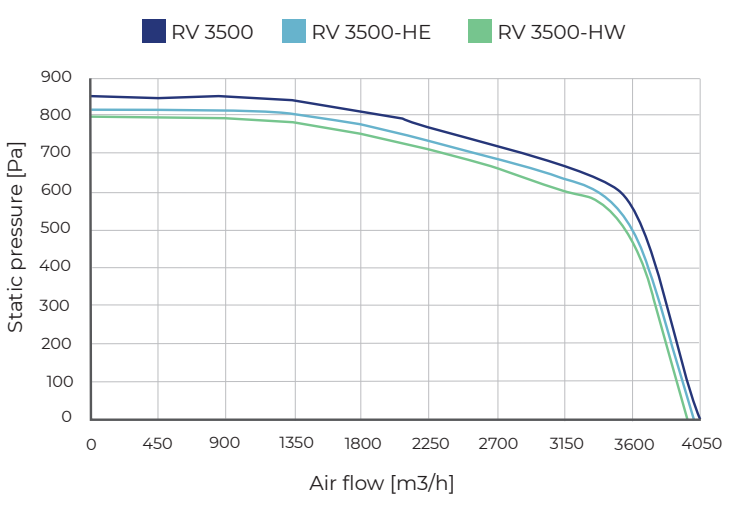
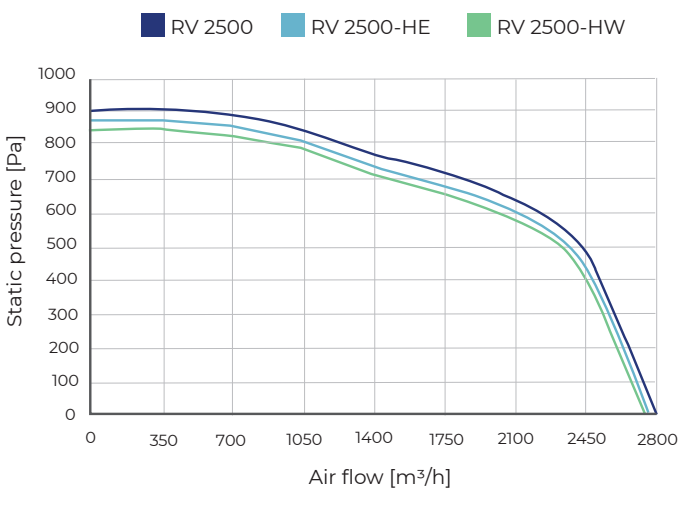
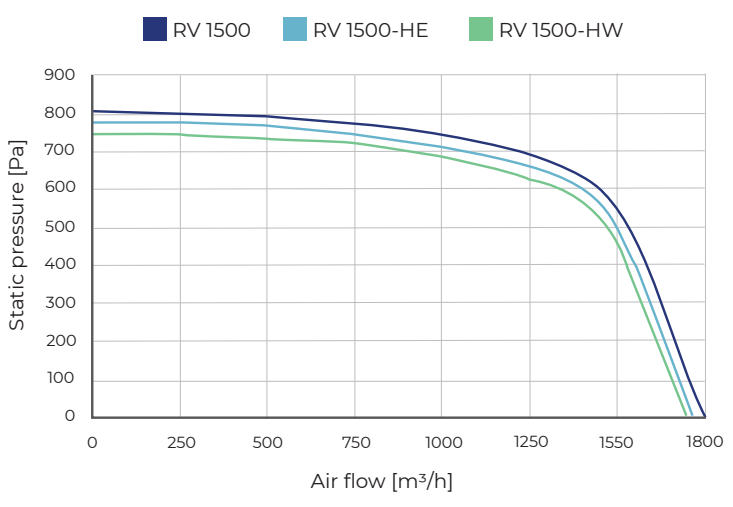


Air volume flows



Pressure curves

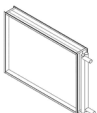
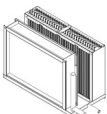

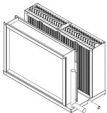


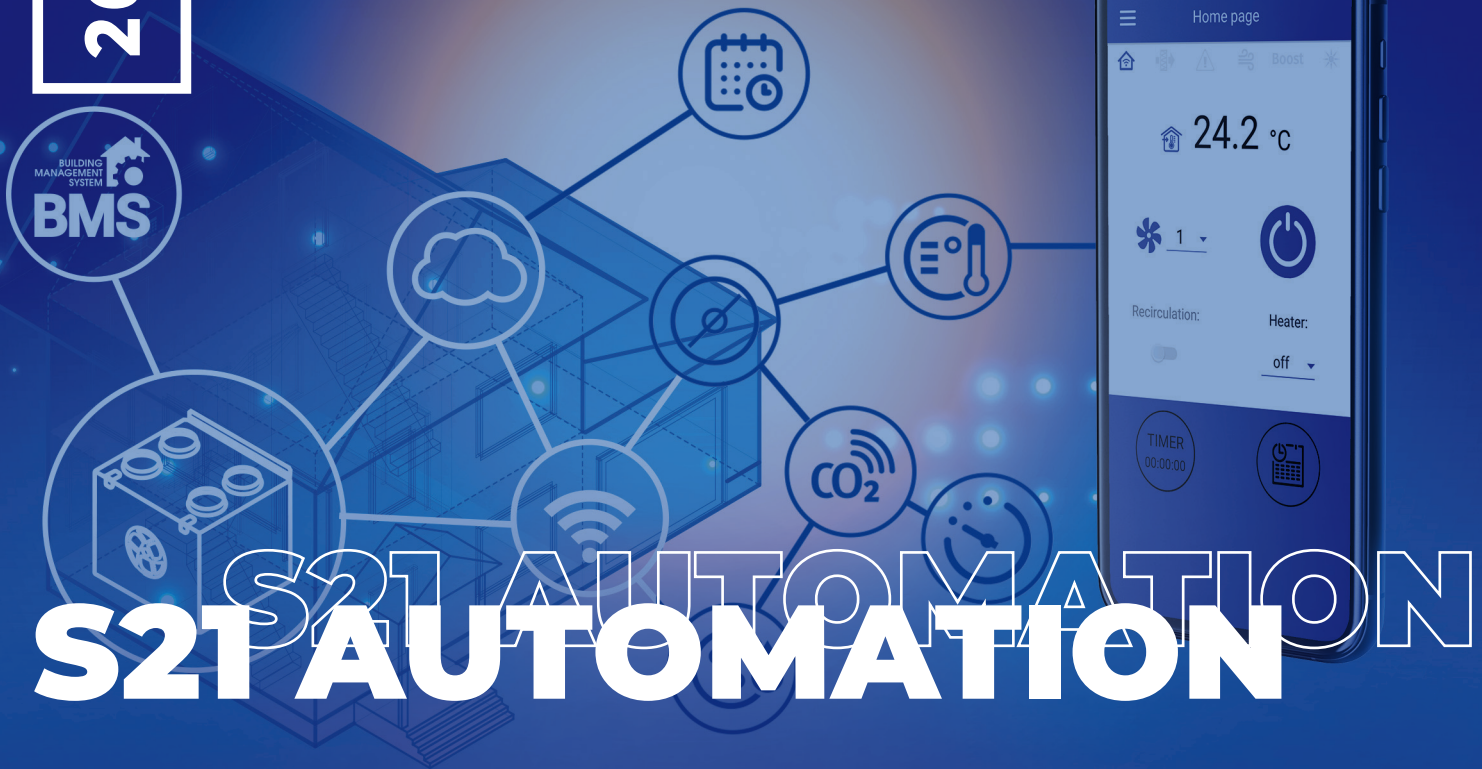


Connectors and adapters

| | Size [mm] | | |
|------------------------|---------------------|----------|-------------------|
| | Flexible connection | Damper | Adapter |
| RV 800/RV 1200 | Ø 250 | Ø 250 | Ø 250/500×250 |
| RV 1500/RV 2500 | 500×250 | 500×250 | 500×250/600×350 |
| RV 3500 | 600×300 | 600×300 | 600×300/600×350 |
| RV 5000/RV 6000 | 1000×350 | 1000×350 | 1000×350/1000×500 |

Additional coils

| | | |
|------------------------|---|------------------|
| Water heater |  | WKH |
| Water cooler |  | KWK |
| Electric heater |  | EKH / EVH |
| DX cooler |  | KFK / DX |



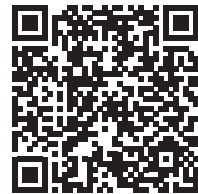
S21 AUTOMATION

Control and automation

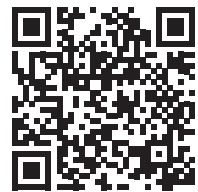
The **BlauAir S21** units are equipped with an integrated automation system. The remote control panel is not included in the delivery set (sold separately).

The S21 controller allows integrating the unit into the **Smart Home** system or **BMS (Building Management System)**.

The unit can be controlled by the **Blaubeberg AHU** mobile application via Wi-Fi.






Download the **Blaubeberg AHU** app for Android



Download the **Blaubeberg AHU** app for iOS



| Functions | |
|---|--|
| Unit control via Wi-Fi using a mobile application | + |
| Unit control via wired remote control panel |  S22 control panel (optional) |
| Unit control via wireless remote control panel |  S22 Wi-Fi control panel (optional) |
| Unit control via remote wired LCD control panel |  S25 control panel (optional) |
| BMS (Building Management System) | RS-485 |
| | Wi-Fi |
| | Ethernet |
| | Modbus (RTU, TCP) |
| Blauberg Cloud Server service | + |
| Speed selection | + |
| Filter replacement indication | by filter timer |
| | by filter clogging differential pressure switch |
| Alarm indication | full alarm description in the mobile application |
| Week-scheduled operation | + |
| Bypass | automatic |
| | manual |
| Timer | + |
| Boost mode | + |
| Fireplace mode | + |
| Freeze protection | through cyclic stops of the supply fan |
| | through preheating (optional) |
| Reheater connection | optional |
| Cooler connection | optional |
| Minimum supply air temperature control | + |
| Humidity control | optional |
| CO ₂ control | optional |
| VOC control | optional |
| PM2.5 control | optional |
| Fire alarm sensor connection | optional |



Select the unit online in a few clicks
and get full technical data at
blaubergselector.com



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blaubergventilatoren.de

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Article number: 2030015

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