



Version with electric heater



Version with hot water coil

Introduction of fresh air to commercial offices and industrial kitchens.
Acoustic cabinet fan in galvanised sheet steel with reinforced insulation by:

- Double skin panels of 50mm. Rockwood insulated.
- Density 40 kg/m³.
- Fire rated A1 in accordance with EN 13 501-1 standard (non-flammable).

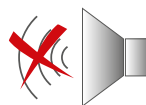
4 mounting feet.
In-line duct connection by circular flanges with integrated rubber seals.
G4 grade filter integrated inside the cabinet on slides.
(On request, F5 or F7 grade filters).
Safety protection on the access cover for application where the cabinet fan is fixed into the ceiling.
Direct drive backward Plug-fan with integrated EC motor. Impeller in galvanised steel.
Can be used indoors or outdoors with accessories.

Range

4 models with airflows from 80 to 4000 m³/h. Operation with complete electronic control.

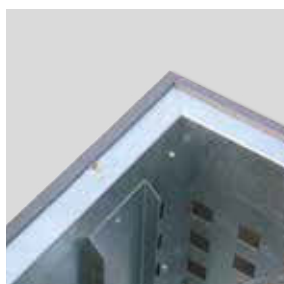
5 versions:

- Electric heater (BRM, BRT).
- Hot water coil (BCR).
- Reversible water coil (BCFRR).
- Hot water coil + cold water coil (BCFR).
- Cold water coil (BFR).



Motors

- Direct drive Plug fans with EC motor.
- Single-phase or three-phase motor with thermal protection managed by electronics:
 - CAIB/T PRO-REG 08/18 : Single-phase 230V (200-277V), 50/60Hz, IP44, class B.
 - CAIB/T PRO-REG 28 : Single-phase 230V (200-277V), 50/60Hz, IP 54, class B.
 - CAIB/T PRO-REG 38 : Three-phase 400V (380-480V), 50/60Hz, IP 54, class B.



Airtight cabinet

Internally lined with 50 mm thickness fibre glass insulation (non-flammable).



Easy to mount

4-fixing feet.



Stainless steel 304L electrical heaters.



Integrated electronic controller

Integrated electronic controller mounted on the cabinet.

Specific applications



Commercial and industrial kitchens



Commercial locals

VERSIONS FEATURES

Features of electric heater

- 304L stainless steel element rods.
- Safety thermostats: auto-reset thermostat at 75°C / manual reset thermostat at 120°C
- Proportional regulation by included SSR.

Features of hot water coil (Ranges BCR / BCFR / BCFRR)

- Water coil, of 3 rows of copper pipes with aluminium fins, mounted in a galvanized sheet frame.
- Connection side on the right hand in the air flow sense.
- Antifreeze protection by contact probe.
- 3 way valve (24V) with proportional actuator (0-10V).
- The valve is delivered with the unit (not mounted)

Features of cold water coil (Ranges BFR / BCFR / BCFRR)

- Water coil, of 4 rows of copper pipes with aluminium fins, mounted in a galvanized sheet frame.
- Connection side on the right hand in the air flow sense.
- Antifreeze protection by contact probe.
- Drain tray in stainless steel, and droplet separator.
- 3 way valve (24V) with proportional actuator (0-10V).
- The valve is delivered with the unit (not mounted)

REFERENCE

| | | | | | | | | |
|----------|----------|----------|----------|---|-----------|-----------|----------|----------------|
| C | A | I | B | - | 17 | BR | T | PRO-REG |
| 1 | | | | | 2 | 3 | 4 | 5 |

- 1** - Product range.
- 2** - Model / maximum airflow:
 - 08:** 1000 m³/h
 - 18:** 2000 m³/h
 - 28:** 3100 m³/h
 - 38:** 4000 m³/h
- 3** - Model variations.
 - BR:** Cabinet fan with electric heater
 - BCR:** Cabinet fan with hot water coil
 - BFR:** Cabinet fan with cold water coil
 - BCFRR:** Cabinet fan with reversible water coil
 - BCFR:** Cabinet fan with hot water coil + cold water coil
- 4** - Power supply of the electric heater.
 - M:** Single phase 230 V (only CAIB 08 model).
 - T:** Three phase 400 V.
- 5** - Controller Type.
 - PRO-REG:** Advanced plug&play controller

TECHNICAL CHARACTERISTICS

Before installation check that the product electrical characteristics listed on the data plate label (voltage, power, frequency, etc.) match those of the intended electrical supply.

Electric battery (BRM, BRT)

| | Complete unit | | | | | Fan | | Electric heater | Weight (kg) |
|-------------------------|--------------------------------|------------------------|----------------|---------------|-----------------------|---------|-----------------|--------------------|-------------|
| | Circular duct connection (mm.) | Maximum airflow (m³/h) | Power supply | P. total (kW) | Max. Abs. Current (A) | RPM Max | P. abs. Max (W) | Heating power (kW) | |
| CAIB-08/250 BRM PRO-REG | 250 | 1000 | 1/230V, 50Hz | 6,5 | 28 | 2649 | 193 | 6 | 55 |
| CAIT-08/250 BRT PRO-REG | 250 | 1000 | 3+N/400V, 50Hz | 10,5 | 15 | 2649 | 193 | 9 | 55 |
| CAIT-18/355 BRT PRO-REG | 355 | 2000 | 3+N/400V, 50Hz | 16,6 | 23,9 | 2850 | 415 | 15 | 99 |
| CAIT-28/400 BRT PRO-REG | 400 | 3100 | 3+N/400V, 50Hz | 26,5 | 38,2 | 2800 | 715 | 24 | 103 |
| CAIT-38/400 BRT PRO-REG | 400 | 4000 | 3+N/400V, 50Hz | 31,5 | 45,4 | 2580 | 1000 | 30 | 112 |

Hot water coil (BCR)

| | Complete unit | | | | | Fan | | Water coil | | Weight (kg) |
|-------------------------|--------------------------------|------------------------|----------------|---------------|-----------------------|---------|-----------------|--------------------|--------------------|-------------|
| | Circular duct connection (mm.) | Maximum airflow (m³/h) | Power supply | P. total (kW) | Max. Abs. Current (A) | RPM Max | P. abs. Max (W) | Heating power (kW) | Cooling power (kW) | |
| CAIB-08/250 BCR PRO-REG | 250 | 1000 | 1/230V, 50Hz | 0,2 | 2,5 | 2649 | 193 | 6-13 | - | 58 |
| CAIB-18/355 BCR PRO-REG | 355 | 2000 | 1/230V, 50Hz | 0,5 | 2,8 | 2850 | 415 | 10-23 | - | 104 |
| CAIB-28/400 BCR PRO-REG | 400 | 3100 | 1/230V, 50Hz | 0,8 | 4,1 | 2800 | 715 | 14-30 | - | 115 |
| CAIT-38/400 BCR PRO-REG | 400 | 4000 | 3+N/400V, 50Hz | 1,1 | 2,6 | 2580 | 1000 | 17-39 | - | 121 |

Cold water coil (BFR)

| | Complete unit | | | | | Fan | | Water coil | | Weight (kg) |
|-------------------------|--------------------------------|------------------------|----------------|---------------|-----------------------|---------|-----------------|--------------------|--------------------|-------------|
| | Circular duct connection (mm.) | Maximum airflow (m³/h) | Power supply | P. total (kW) | Max. Abs. Current (A) | RPM Max | P. abs. Max (W) | Heating power (kW) | Cooling power (kW) | |
| CAIB-08/250 BFR PRO-REG | 250 | 1000 | 1/230V, 50Hz | 0,2 | 2,5 | 2649 | 193 | - | 1,5-2,7 | 58 |
| CAIB-18/355 BFR PRO-REG | 355 | 2000 | 1/230V, 50Hz | 0,5 | 2,8 | 2850 | 415 | - | 2,8-6,5 | 104 |
| CAIB-28/400 BFR PRO-REG | 400 | 3100 | 1/230V, 50Hz | 0,8 | 4,1 | 2800 | 715 | - | 4-8 | 115 |
| CAIT-38/400 BFR PRO-REG | 400 | 4000 | 3+N/400V, 50Hz | 1,1 | 2,6 | 2580 | 1000 | - | 5-8 | 121 |

Reversible water coil (BCFR)

| | Complete unit | | | | | Fan | | Water coil | | Weight (kg) |
|--------------------------|--------------------------------|------------------------|----------------|---------------|-----------------------|---------|-----------------|--------------------|--------------------|-------------|
| | Circular duct connection (mm.) | Maximum airflow (m³/h) | Power supply | P. total (kW) | Max. Abs. Current (A) | RPM Max | P. abs. Max (W) | Heating power (kW) | Cooling power (kW) | |
| CAIB-08/250 BCFR PRO-REG | 250 | 1000 | 1/230V, 50Hz | 0,2 | 2,5 | 2649 | 193 | 6-13 | 1,5-2,7 | 67 |
| CAIB-18/355 BCFR PRO-REG | 355 | 2000 | 1/230V, 50Hz | 0,5 | 2,8 | 2850 | 415 | 10-23 | 2,8-6,5 | 127 |
| CAIB-28/400 BCFR PRO-REG | 400 | 3100 | 1/230V, 50Hz | 0,8 | 4,1 | 2800 | 715 | 14-30 | 4-8 | 131 |
| CAIT-38/400 BCFR PRO-REG | 400 | 4000 | 3+N/400V, 50Hz | 1,1 | 2,6 | 2580 | 1000 | 17-39 | 5-8 | 140 |

Hot water coil + cold water coil (BCFRR)

| | Complete unit | | | | | Fan | | Water coil | | Weight (kg) |
|---------------------------|--------------------------------|------------------------|----------------|---------------|-----------------------|---------|-----------------|--------------------|--------------------|-------------|
| | Circular duct connection (mm.) | Maximum airflow (m³/h) | Power supply | P. total (kW) | Max. Abs. Current (A) | RPM Max | P. abs. Max (W) | Heating power (kW) | Cooling power (kW) | |
| CAIB-08/250 BCFRR PRO-REG | 250 | 1000 | 1/230V, 50Hz | 1,8 | 2,5 | 2649 | 193 | 6-13 | 0,8-1,4 | 58 |
| CAIB-18/355 BCFRR PRO-REG | 355 | 2000 | 1/230V, 50Hz | 2 | 2,8 | 2850 | 415 | 10-23 | 1,9-4,2 | 104 |
| CAIB-28/400 BCFRR PRO-REG | 400 | 3100 | 1/230V, 50Hz | 2,9 | 4,1 | 2800 | 715 | 14-30 | 2,4-5,8 | 115 |
| CAIT-38/400 BCFRR PRO-REG | 400 | 4000 | 3+N/400V, 50Hz | 1,9 | 2,6 | 2580 | 1000 | 17-39 | 2,8-7,8 | 121 |

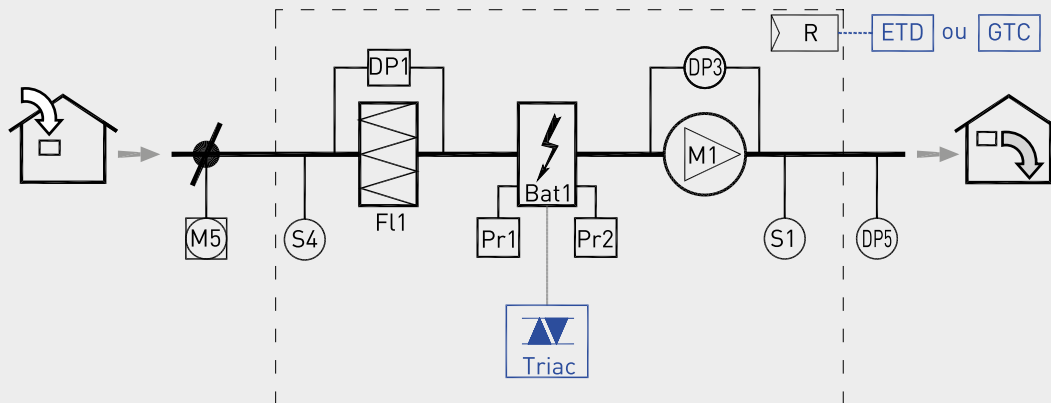
TECHNICAL CHARACTERISTICS

| | BR | BCR | BFR | BFCRR | BCFR |
|---|----|-----|-----|-------|------|
| MAIN ELEMENTS | | | | | |
| Control Panel includes: | | | | | |
| General proximity switch over the electrical box | • | • | • | • | • |
| Terminal connexion and regulator inside the electrical box. | • | • | • | • | • |
| FUNCTIONALITIES | | | | | |
| Airflow adjustments | | | | | |
| Constant or fixed airflow (CAV mode), up to 2 different airflow configurations. | • | • | • | • | • |
| Adjustable airflow according to 0-10V external signal or via remote control. | • | • | • | • | • |
| Airflow management depending on time schedules (clock) | • | • | • | • | • |
| BOOST function via external contact | • | • | • | • | • |
| STOP function via external contact | • | • | • | • | • |
| Temperature regulation | | | | | |
| Temperature probe: | | | | | |
| Fresh air temperature probe | • | • | • | • | • |
| Supply air temperature probe | • | • | • | • | • |
| Water temperature probe installed on the coil | | • | • | • | • |
| CHANGE OVER thermostat to be installed on the water supply coil | | | | • | |
| Fresh air damper servomotor management (optional) | | | | | |
| Battery regulation: | | | | | |
| Fresh air temperature probe TG/K3 PT1000 | • | • | • | • | • |
| Supply temperature probe TG/K3 PT1000 | • | • | • | • | • |
| Adjustments of internal electric batteries: | | | | | |
| Proportional regulation of the post-heating electrical battery power | • | | | | |
| Regulation of internal water coil (or coils) | | | | | |
| 3V motorised damper- 0-10V proportional provided without mounting | | • | • | • | • |
| Power adjustment by activating 3-way-damper | | • | • | • | • |
| Room temperature probe TG-A1 PT1000 | | O | O | O | O |
| Defrost temperature probe PT1000 | | • | • | • | • |
| Security functions | | | | | |
| Cloged filters signal | • | • | • | • | • |
| Failure on the temperature probe | • | • | • | • | • |
| Fan failure | • | • | • | • | • |
| The setpoint cannot be achieved (airflow, pressure, temperature) | • | • | • | • | • |
| Fire alarm via contact related to a external fire detection system | • | • | • | • | • |
| Alarm of communication between the controller and the remote control | • | • | • | • | • |
| Frost risk control on the water coil (opening of the damper, fan stops when water temperature decreases below 7° in heating mode) | | • | | • | • |
| Alarm history | • | • | • | • | • |
| Communication | | | | | |
| Remote hand terminal | • | • | • | • | • |
| Adjustment communications: | | | | | |
| MODBUS RTU standard (RS485) | • | • | • | • | • |
| BACNET in TCP/IP port | • | • | • | • | • |
| Webserver application in TCP/IP port | • | • | • | • | • |

•: Included O: Optional

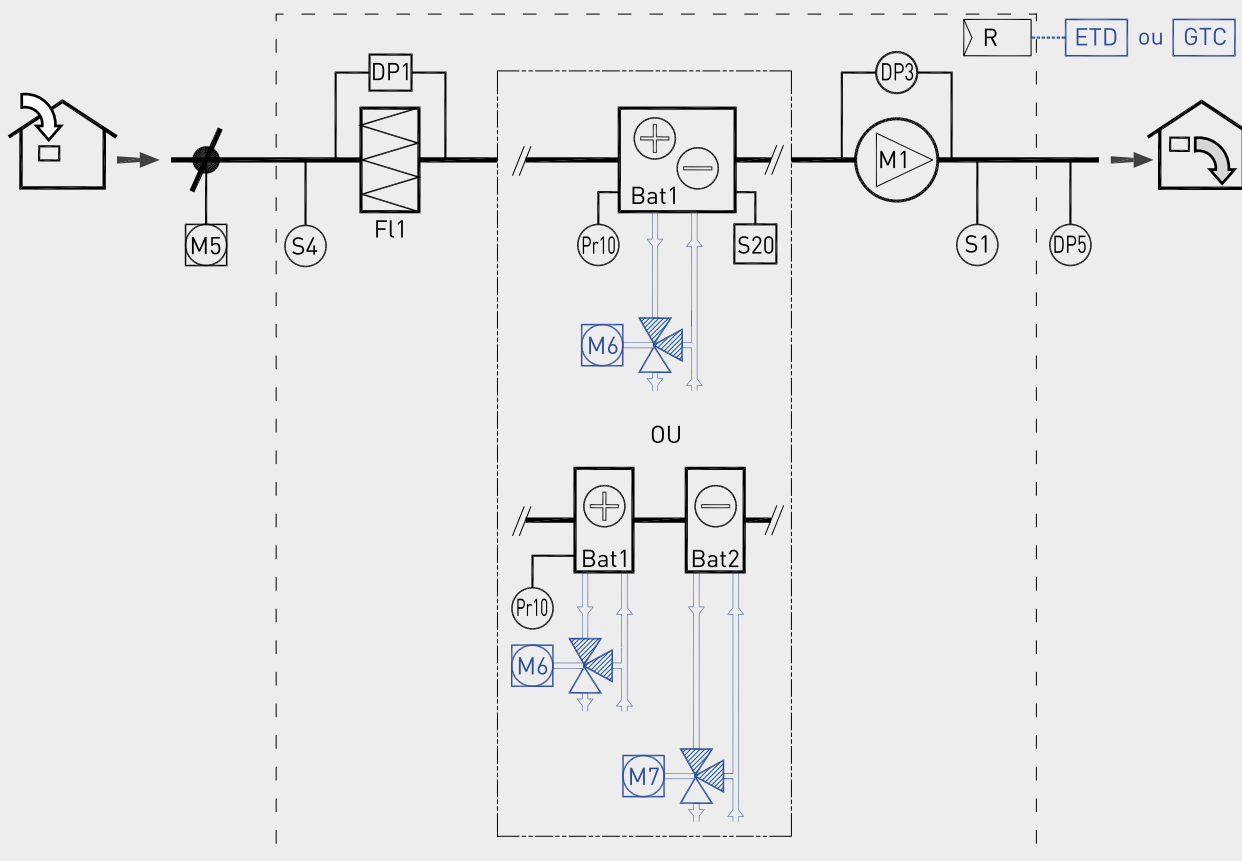
CONTROL - SYNOPTIC ELECTRICAL REGULATION

CAIB PRO-REG with electric coil



- | | | | | | |
|--------------|------------------------------|------------|--------------------------|--------------|--------------------------------------|
| S1 | Supply temperature probe | M5 | Fresh air register | DP5 | Pressure sensor (mode COP accessory) |
| S4 | Fresh air temperature probe | F1 | Fresh air filter | Bat1 | Electric battery |
| R | Controller | DP1 | Filter clogging detector | Triac | Electrical battery regulator |
| Pr1/2 | Safety thermostat (man/auto) | DP3 | Airflow sensor | ETD | Remote hand terminal |
| M1 | Motor-fan | | | | |

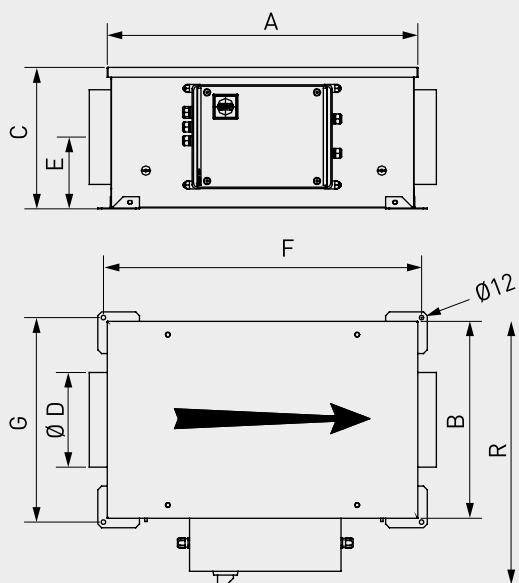
CAIB PRO-REG with water coil



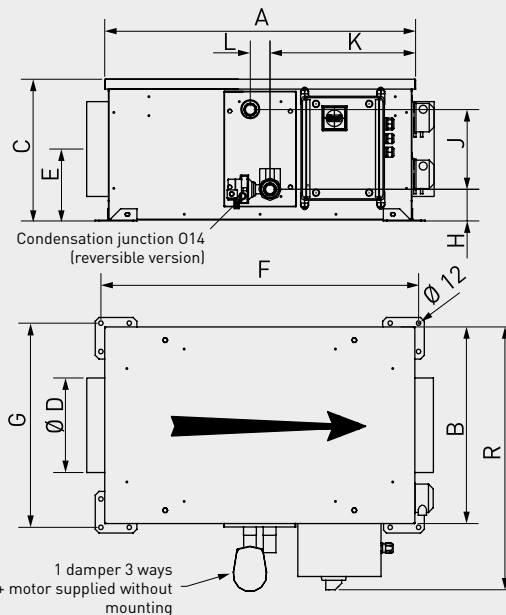
- | | | | | | |
|-------------|-----------------------------|------------|--------------------------|-------------|--------------------------------------|
| S1 | Supply temperature probe | M5 | Fresh air register | DP5 | Pressure sensor (mode COP accessory) |
| S4 | Fresh air temperature probe | M6 | Motorised damper | Bat1 | Reversible water coil / hot water |
| R | Controller | M7 | Motorised damper | Bat2 | Cold water coil |
| Pr10 | Defrost sensor | F1 | Fresh air filter | ETD | Remote hand terminal |
| S20 | Change-over thermostat | DP1 | Filter clogging detector | | |
| M1 | Motor-fan | DP3 | Airflow sensor | | |

TECHNICAL CHARACTERISTICS – CAIB

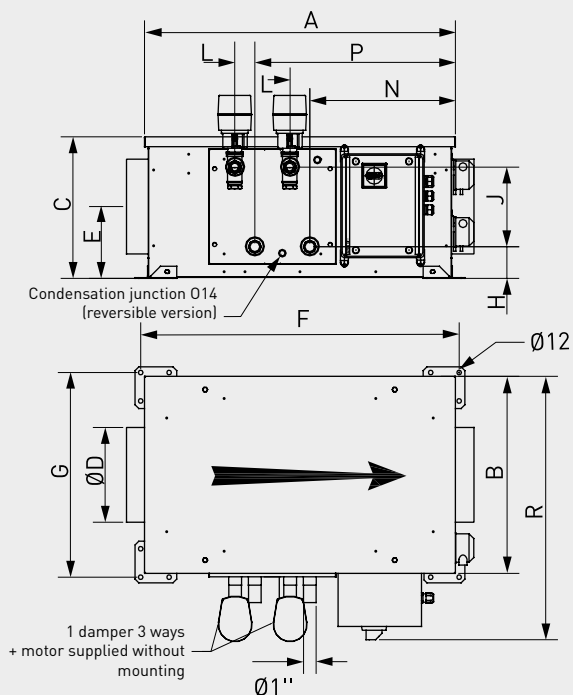
Version with electric heater



Version with hot or reversible water coil



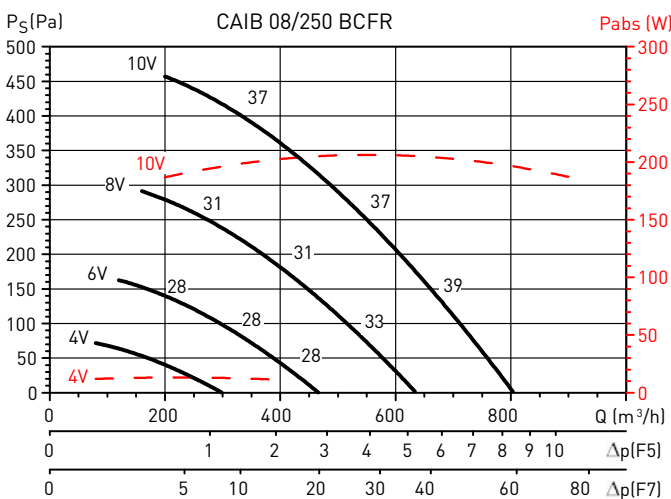
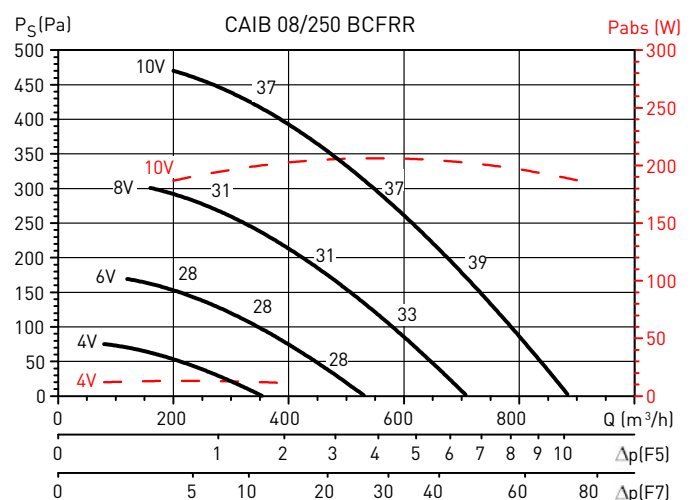
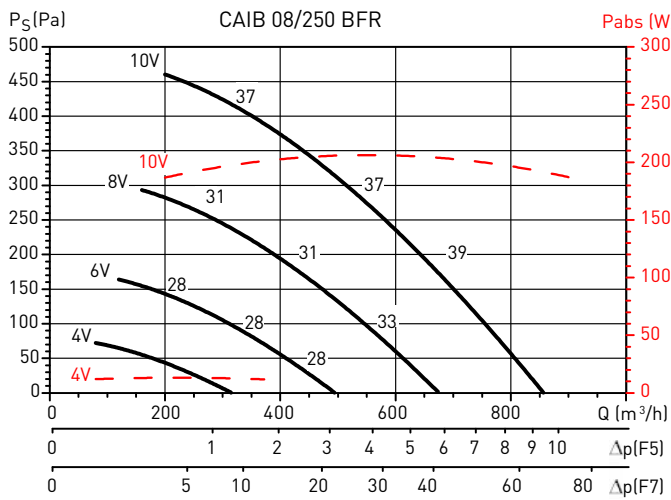
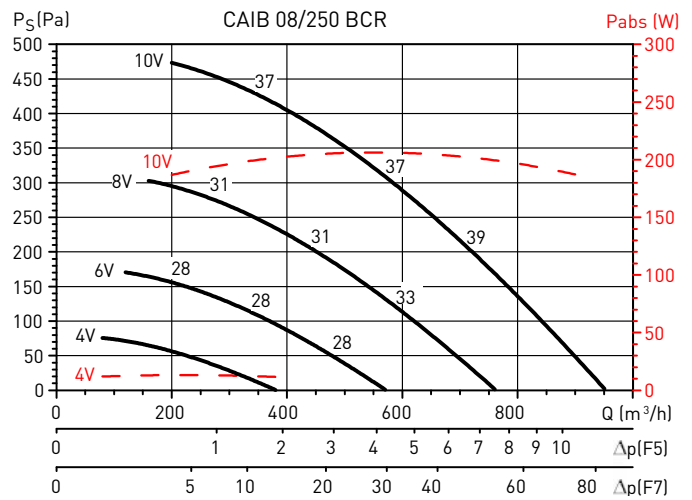
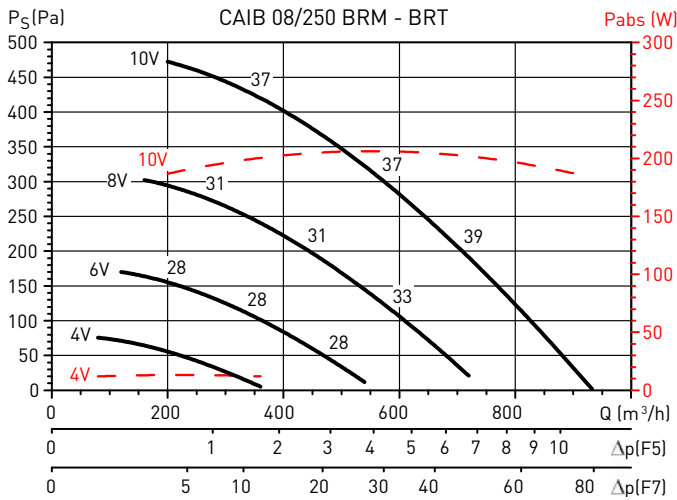
Version with hot + cold water coil



| Model | Dimensions of the cabinet | | | | | Fittings | | Water coil | | | | | | Electric heater | |
|-------------------|---------------------------|-----|-----|-----|-----|----------|-----|------------|-----|-----|----|-----|-----|-----------------|-----|
| | A | B | C | ØD | E | F | G | H | J | K | L | N | P | Q | R |
| CAIB/T PRO-REG 08 | 820 | 520 | 370 | 250 | 190 | 840 | 540 | 85 | 210 | 400 | 52 | 437 | 582 | 585 | 695 |
| CAIB/T PRO-REG 18 | 1120 | 670 | 600 | 355 | 275 | 1140 | 690 | 105 | 390 | 675 | 52 | 565 | 740 | 735 | 845 |
| CAIB/T PRO-REG 28 | 1120 | 670 | 600 | 400 | 275 | 1140 | 690 | 105 | 390 | 675 | 52 | 565 | 740 | 735 | 845 |
| CAIB/T PRO-REG 38 | 1120 | 670 | 600 | 400 | 265 | 1140 | 690 | 105 | 390 | 675 | 52 | 565 | 740 | 735 | 845 |

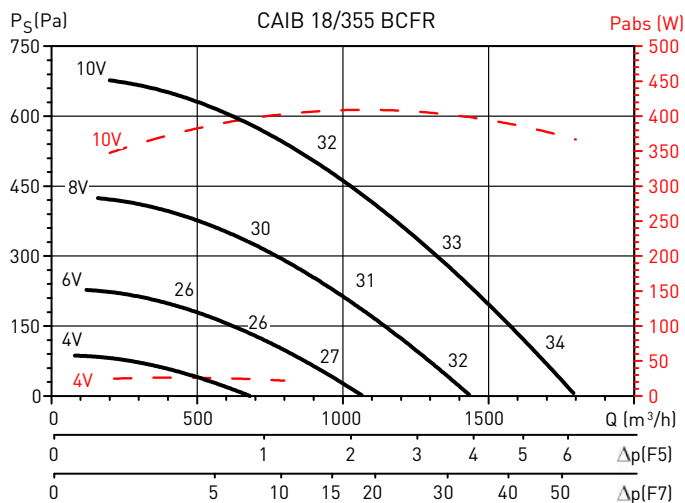
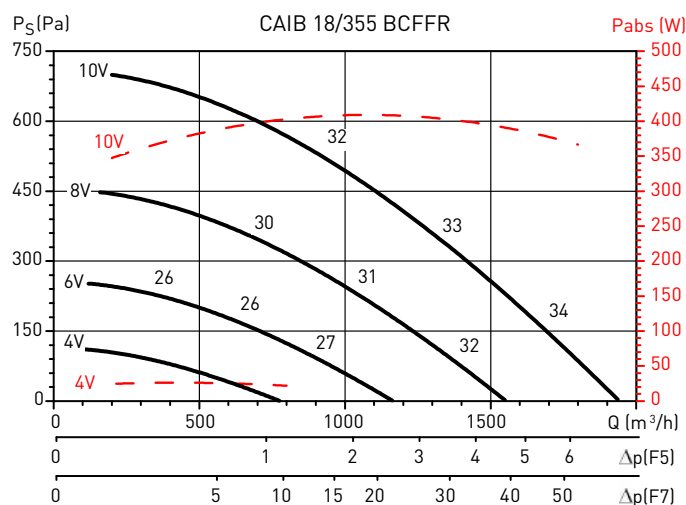
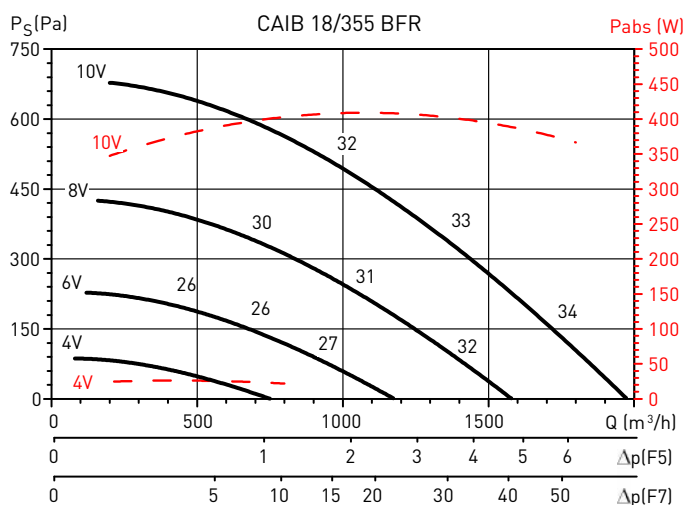
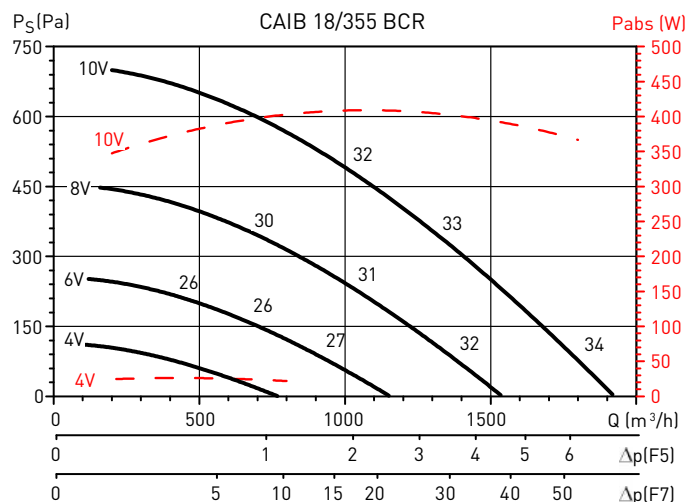
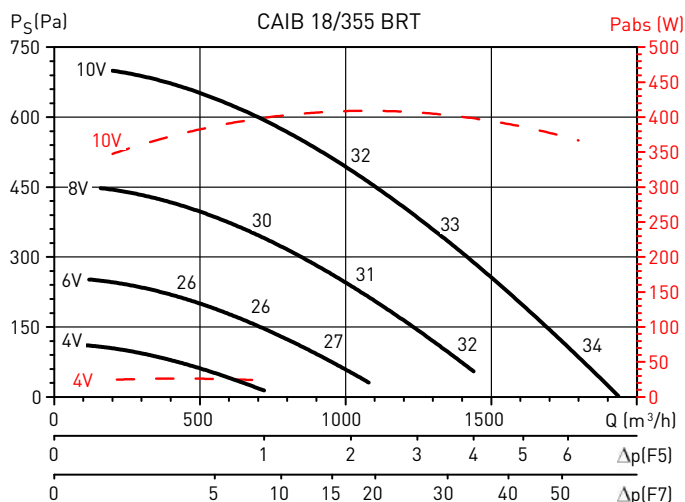
PERFORMANCE CURVES

- Q_v : Air volume in m^3/h and m^3/s .
- P_t : Total pressure in mmWG and Pa.
- Dry air at 20°C and 760 mmHg.
- Performance data in accordance with ISO 5801 and AMCA 210-99 Standards.
- Sound pressure level in hemispherical free field, measured at 4 m, with outlet ducted L_p in dB (A).



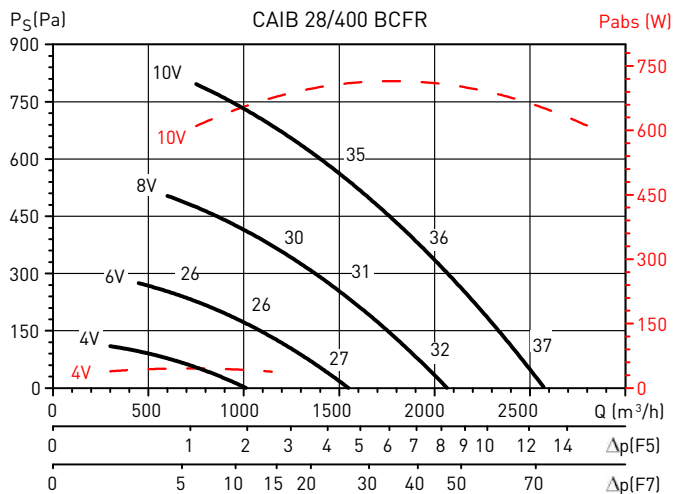
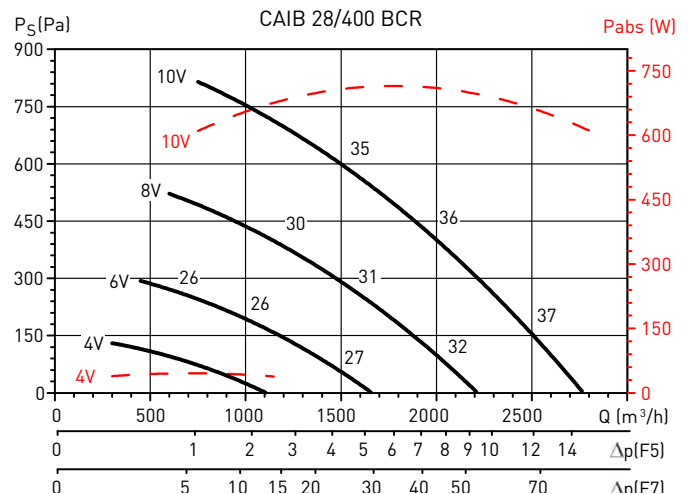
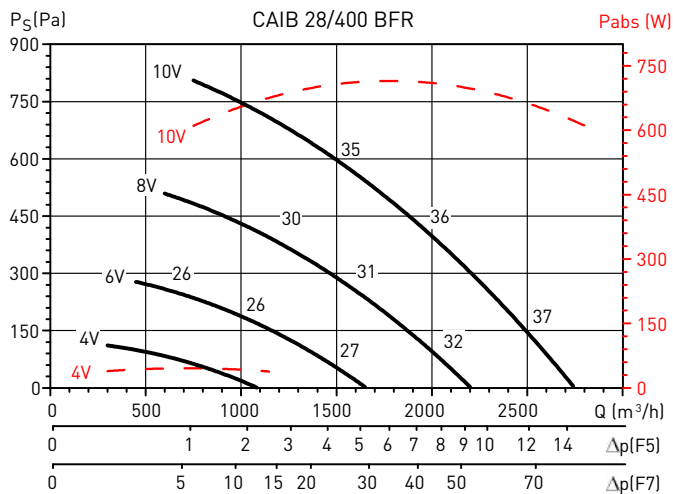
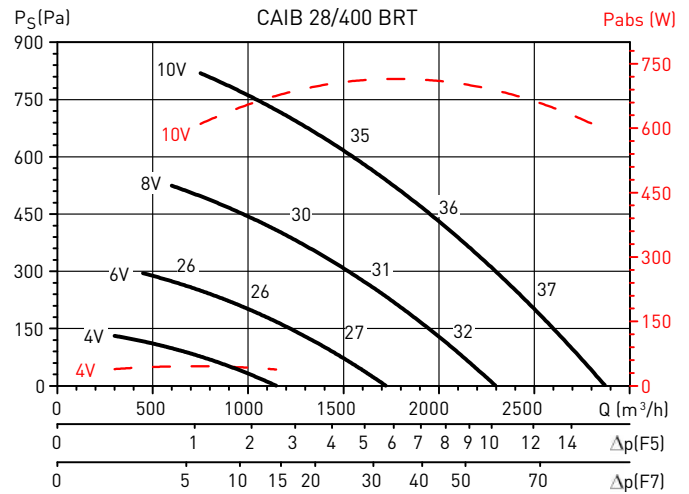
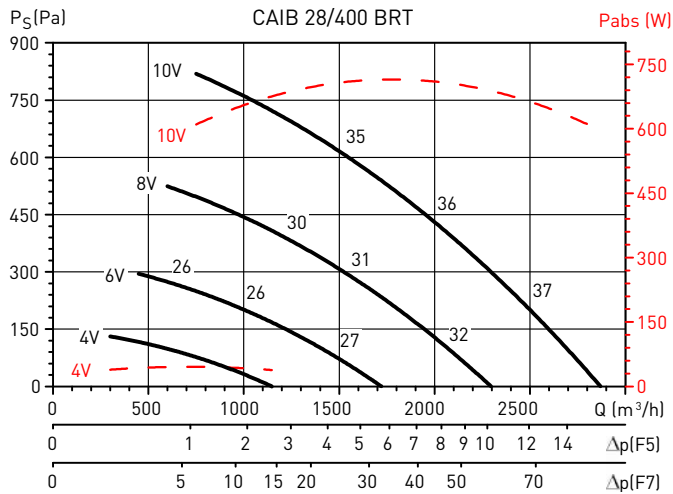
PERFORMANCE CURVES

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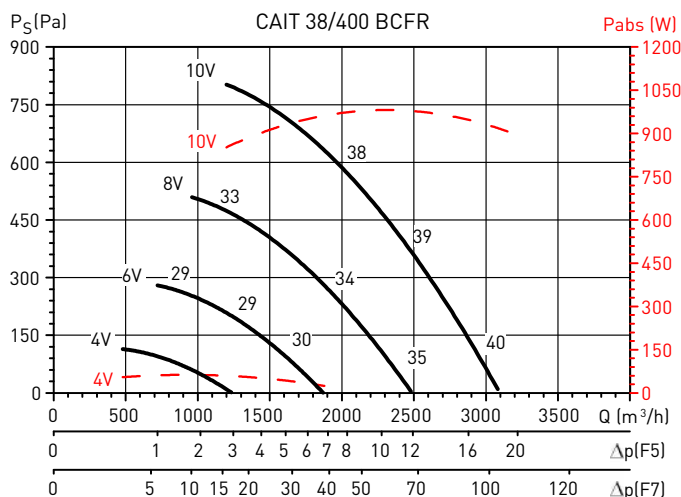
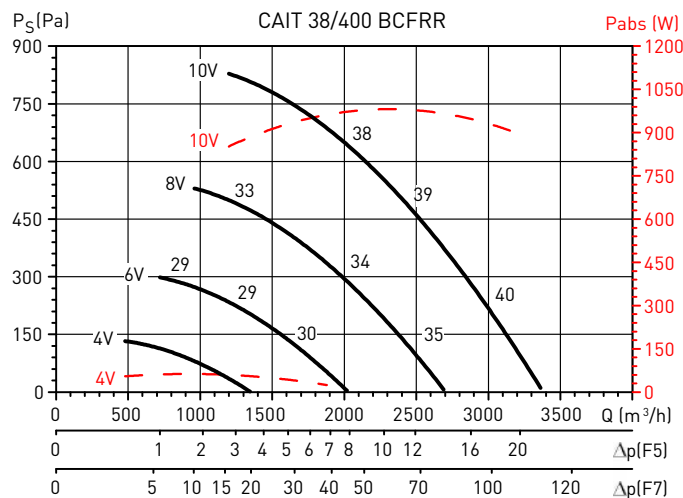
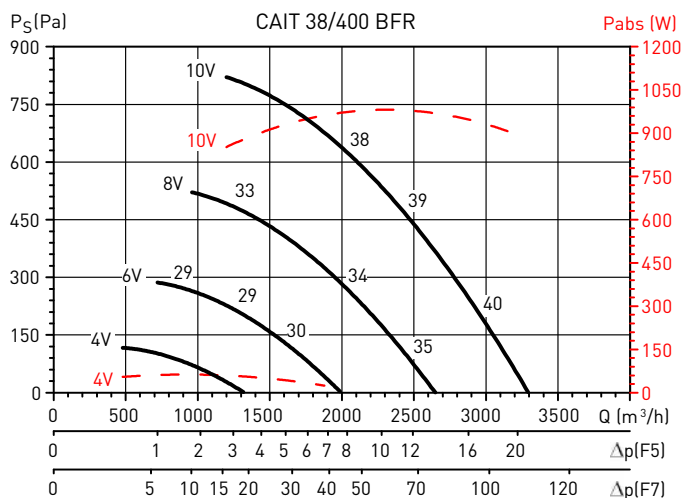
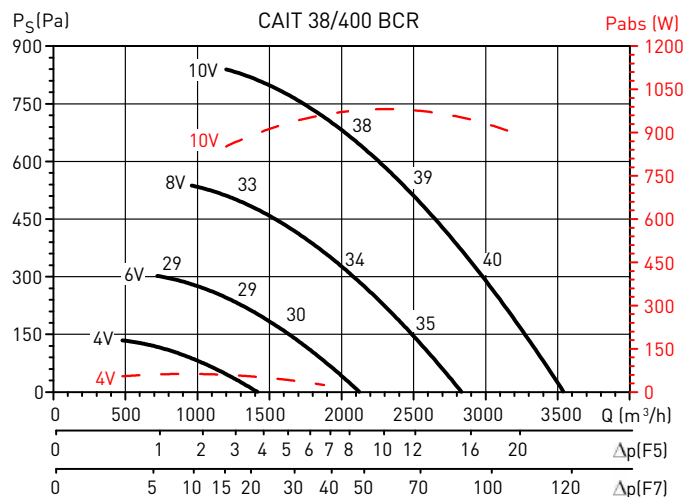
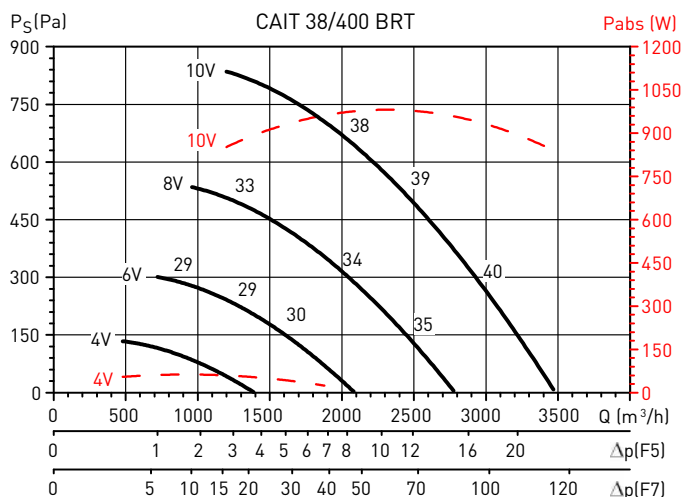
PERFORMANCE CURVES

- Q_v : Air volume in m^3/h and m^3/s .
- P_t : Total pressure in mmWG and Pa.
- Dry air at 20°C and 760 mmHg.
- Performance data in accordance with ISO 5801 and AMCA 210-99 Standards.
- Sound pressure level in hemispherical free field, measured at 4 m, with outlet ducted L_p in dB (A).



PERFORMANCE CURVES

- Q_v : Air volume in m^3/h and m^3/s .
- P_t : Total pressure in mmWG and Pa.
- Dry air at 20°C and 760 mmHg.
- Performance data in accordance with ISO 5801 and AMCA 210-99 Standards.
- Sound pressure level in hemispherical free field, measured at 4 m, with outlet ducted L_p in dB (A).



TECHNICAL CHARACTERISTICS- HOT WATER COIL

Water temperature: 90/70°C.

For different water temperatures see the chart at the bottom of the page.

| Air inlet T° (°C) | CAIB/T PRO-REG 08 | | | | | | | | | | | |
|----------------------|-------------------|--------------------------|---------------------|-----------|--------------------------|---------------------|-----------|--------------------------|---------------------|-----------|--------------------------|---------------------|
| | - 10°C | | | 0°C | | | 10°C | | | 15°C | | |
| Airflow (m³/h) | P (kW) | Air outlet Temp. (°C) | Water flow (l/h) | P (kW) | Air outlet Temp. (°C) | Water flow (l/h) | P (kW) | Air outlet Temp. (°C) | Water flow (l/h) | P (kW) | Air outlet Temp. (°C) | Water flow (l/h) |
| 300 | 5,9 | 48 | 260 | 5,2 | 52 | 231 | 4,6 | 55 | 201 | 4,2 | 57 | 186 |
| 350 | 6,6 | 46 | 292 | 5,9 | 50 | 259 | 5,1 | 53 | 225 | 4,7 | 55 | 209 |
| 400 | 7,3 | 44 | 323 | 6,5 | 48 | 286 | 5,6 | 52 | 249 | 5,2 | 54 | 230 |
| 450 | 8,0 | 43 | 351 | 7,1 | 47 | 311 | 6,1 | 51 | 271 | 5,7 | 53 | 250 |
| 500 | 8,6 | 41 | 379 | 7,6 | 45 | 336 | 6,6 | 49 | 292 | 6,1 | 51 | 270 |
| 550 | 9,2 | 40 | 405 | 8,1 | 44 | 359 | 7,1 | 48 | 312 | 6,5 | 50 | 289 |
| 600 | 9,8 | 38 | 431 | 8,6 | 43 | 381 | 7,5 | 47 | 331 | 6,9 | 49 | 306 |
| 650 | 10,3 | 37 | 455 | 9,1 | 42 | 403 | 7,9 | 46 | 350 | 7,3 | 49 | 324 |
| 700 | 10,9 | 36 | 479 | 9,6 | 41 | 424 | 8,3 | 45 | 368 | 7,7 | 48 | 340 |
| 750 | 11,4 | 35 | 502 | 10,1 | 40 | 444 | 8,7 | 45 | 386 | 8,1 | 47 | 356 |
| 800 | 11,9 | 34 | 524 | 10,5 | 39 | 463 | 9,1 | 44 | 402 | 8,4 | 46 | 372 |
| 850 | 12,4 | 33 | 545 | 10,9 | 38 | 482 | 9,5 | 43 | 419 | 8,8 | 46 | 387 |
| 900 | 12,8 | 32 | 566 | 11,3 | 37 | 501 | 9,9 | 43 | 435 | 9,1 | 45 | 401 |

| Air inlet T° (°C) | CAIB/T PRO-REG 18/28/38 | | | | | | | | | | | |
|----------------------|-------------------------|--------------------------|---------------------|-----------|--------------------------|---------------------|-----------|--------------------------|---------------------|-----------|--------------------------|---------------------|
| | - 10°C | | | 0°C | | | 10°C | | | 15°C | | |
| Airflow (m³/h) | P (kW) | Air outlet Temp. (°C) | Water flow (l/h) | P (kW) | Air outlet Temp. (°C) | Water flow (l/h) | P (kW) | Air outlet Temp. (°C) | Water flow (l/h) | P (kW) | Air outlet Temp. (°C) | Water flow (l/h) |
| 500 | 13,0 | 67 | 579 | 11,6 | 69 | 517 | 10,2 | 70 | 453 | 9,5 | 71 | 421 |
| 600 | 15,0 | 64 | 668 | 13,4 | 66 | 596 | 11,8 | 68 | 522 | 10,9 | 68 | 485 |
| 700 | 17,0 | 62 | 753 | 15,1 | 64 | 671 | 13,2 | 66 | 588 | 12,3 | 67 | 446 |
| 800 | 18,8 | 59 | 833 | 16,7 | 62 | 742 | 14,6 | 64 | 650 | 13,6 | 65 | 604 |
| 900 | 20,5 | 57 | 910 | 18,3 | 59 | 810 | 16,0 | 62 | 710 | 14,8 | 63 | 659 |
| 1000 | 21,4 | 54 | 943 | 19,0 | 56 | 838 | 16,6 | 59 | 732 | 15,4 | 61 | 679 |
| 1200 | 24,6 | 51 | 1085 | 21,8 | 54 | 963 | 19,1 | 57 | 841 | 17,7 | 59 | 779 |
| 1400 | 27,6 | 49 | 1217 | 24,5 | 52 | 1081 | 21,4 | 55 | 943 | 19,8 | 57 | 873 |
| 1600 | 30,4 | 47 | 1342 | 27,0 | 50 | 1191 | 23,6 | 54 | 1039 | 21,8 | 56 | 963 |
| 1800 | 133,1 | 45 | 1461 | 29,4 | 49 | 1296 | 25,6 | 52 | 1130 | 23,7 | 54 | 1047 |
| 2000 | 35,7 | 43 | 1575 | 31,7 | 47 | 1396 | 27,6 | 51 | 1217 | 25,6 | 53 | 1127 |
| 2200 | 38,2 | 42 | 1683 | 33,8 | 46 | 1492 | 29,5 | 50 | 1300 | 27,3 | 52 | 1203 |
| 2400 | 40,5 | 40 | 1786 | 35,9 | 44 | 1584 | 31,3 | 49 | 1380 | 29,0 | 51 | 1277 |
| 2600 | 42,8 | 39 | 1886 | 37,9 | 43 | 1672 | 33,0 | 48 | 1456 | 30,6 | 50 | 1348 |
| 2800 | 44,9 | 38 | 1982 | 39,8 | 42 | 1756 | 34,7 | 47 | 1530 | 32,1 | 49 | 1415 |
| 3000 | 47,1 | 37 | 2075 | 41,7 | 41 | 1839 | 36,3 | 46 | 1601 | 33,6 | 48 | 1481 |
| 3200 | 49,1 | 36 | 2164 | 43,5 | 40 | 1918 | 37,8 | 45 | 1669 | 35,0 | 48 | 1544 |
| 3400 | 51,0 | 35 | 2251 | 45,2 | 40 | 1994 | 39,3 | 44 | 1735 | 36,4 | 47 | 1605 |

| Power correction factors | |
|---------------------------|------|
| Water temperature 80/60°C | 0,86 |
| Water temperature 50/40°C | 0,55 |

TECHNICAL CHARACTERISTICS – REVERSIBLE WATER COIL

Water temperature: 7/12°C

For different water temperatures see the chart at the bottom of the page.

| Air inlet T° (°C) | CAIB/T PRO-REG 08 | | | | | | | | |
|----------------------|-------------------|--------------------------|---------------------|--------------|--------------------------|---------------------|--------------|--------------------------|---------------------|
| | 25°C and 50% | | | 27°C and 50% | | | 32°C and 50% | | |
| Airflow (m³/h) | P (kW) | Air outlet Temp. (°C) | Water flow (l/h) | P (kW) | Air outlet Temp. (°C) | Water flow (l/h) | P (kW) | Air outlet Temp. (°C) | Water flow (l/h) |
| 300 | 0,80 | 17,38 | 137 | 0,94 | 18,49 | 161 | 1,31 | 22,10 | 225 |
| 350 | 0,86 | 17,81 | 148 | 1,01 | 18,97 | 174 | 1,47 | 22,41 | 252 |
| 400 | 0,95 | 18,05 | 164 | 1,09 | 19,38 | 187 | 1,76 | 22,36 | 302 |
| 450 | 1,01 | 18,44 | 174 | 1,15 | 19,73 | 198 | 1,96 | 22,51 | 337 |
| 500 | 1,07 | 18,77 | 183 | 1,21 | 20,04 | 208 | 2,12 | 22,72 | 365 |
| 550 | 1,12 | 19,06 | 192 | 1,27 | 20,32 | 217 | 2,26 | 22,95 | 388 |
| 600 | 1,17 | 19,33 | 200 | 1,35 | 20,43 | 233 | 2,38 | 23,16 | 409 |
| 650 | 1,21 | 19,56 | 208 | 1,46 | 20,46 | 251 | 2,50 | 23,35 | 429 |
| 700 | 1,25 | 19,78 | 215 | 1,60 | 20,38 | 275 | 2,61 | 23,54 | 448 |
| 750 | 1,29 | 19,97 | 222 | 1,80 | 20,19 | 308 | 2,71 | 23,71 | 466 |
| 800 | 1,33 | 20,14 | 229 | 1,92 | 20,20 | 330 | 2,81 | 23,87 | 483 |
| 850 | 1,39 | 20,23 | 239 | 2,01 | 20,30 | 345 | 2,90 | 24,02 | 499 |
| 900 | 1,48 | 20,21 | 254 | 2,10 | 20,38 | 361 | 2,99 | 24,16 | 514 |

| Air inlet T° (°C) | CAIB/T PRO-REG 18/28/38 | | | | | | | | |
|----------------------|-------------------------|--------------------------|---------------------|--------------|--------------------------|---------------------|--------------|--------------------------|---------------------|
| | 25°C and 50% | | | 27°C and 50% | | | 32°C and 50% | | |
| Airflow (m³/h) | P (kW) | Air outlet Temp. (°C) | Water flow (l/h) | P (kW) | Air outlet Temp. (°C) | Water flow (l/h) | P (kW) | Air outlet Temp. (°C) | Water flow (l/h) |
| 500 | 1,82 | 15,01 | 312 | 2,09 | 16,25 | 359 | 3,71 | 17,92 | 638 |
| 600 | 2,02 | 15,58 | 348 | 2,31 | 16,81 | 397 | 4,29 | 18,36 | 737 |
| 700 | 2,21 | 16,06 | 379 | 2,58 | 17,05 | 444 | 4,77 | 18,82 | 821 |
| 800 | 2,38 | 16,45 | 409 | 2,89 | 17,20 | 496 | 5,24 | 19,21 | 890 |
| 900 | 2,53 | 16,81 | 435 | 3,36 | 17,18 | 576 | 5,64 | 19,61 | 969 |
| 1000 | 2,80 | 16,83 | 481 | 3,84 | 17,10 | 659 | 6,01 | 19,96 | 1033 |
| 1200 | 3,72 | 16,3 | 638 | 4,43 | 17,42 | 761 | 6,71 | 20,55 | 1153 |
| 1400 | 4,27 | 16,44 | 733 | 4,95 | 17,75 | 850 | 7,33 | 21,05 | 1260 |
| 1600 | 4,71 | 16,71 | 809 | 5,39 | 18,07 | 926 | 7,90 | 21,45 | 1358 |
| 1800 | 5,10 | 16,97 | 876 | 5,79 | 18,36 | 995 | 8,43 | 21,82 | 1449 |
| 2000 | 5,47 | 17,21 | 940 | 6,17 | 18,62 | 1060 | 8,94 | 22,13 | 1537 |
| 2200 | 5,81 | 17,43 | 998 | 6,87 | 18,49 | 1181 | 9,44 | 22,39 | 1622 |
| 2400 | 6,07 | 17,69 | 1044 | 7,18 | 18,78 | 1235 | 9,80 | 22,68 | 1684 |
| 2600 | 6,36 | 17,90 | 1093 | 7,54 | 18,99 | 1296 | 10,25 | 22,89 | 1761 |
| 2800 | 6,92 | 17,79 | 1190 | 7,87 | 19,19 | 1352 | 10,67 | 23,09 | 1834 |
| 3000 | 7,26 | 17,94 | 1248 | 8,19 | 19,38 | 1408 | 11,08 | 23,26 | 1904 |
| 3200 | 7,55 | 18,12 | 1298 | 8,49 | 19,55 | 1460 | 11,50 | 23,41 | 1977 |
| 3400 | 7,83 | 18,28 | 1346 | 8,79 | 19,71 | 1511 | 12,36 | 23,28 | 2124 |

| Power correction factors | | | |
|--------------------------|-------------------|--------|--------|
| Air inlet | Water temperature | | |
| | 5-10°C | 6-11°C | 8-13°C |
| 25°C and 50% HR | 1,2 | 1,1 | 0,9 |
| 27°C and 50% HR | 1,18 | 1,08 | 0,9 |
| 32°C and 50% HR | 1,12 | 1,06 | 0,9 |

TECHNICAL CHARACTERISTICS- COLD WATER COIL

Water temperature: 7/12°C

For different water temperatures see the chart at the bottom of the page.

| Air inlet T° (°C) | CAIB/T PRO-REG 08 | | | | | | | | |
|----------------------|-------------------|--------------------------|---------------------|--------------|--------------------------|---------------------|--------------|--------------------------|---------------------|
| | 25°C and 50% | | | 27°C and 50% | | | 32°C and 50% | | |
| Airflow (m³/h) | P (kW) | Air outlet Temp. (°C) | Water flow (l/h) | P (kW) | Air outlet Temp. (°C) | Water flow (l/h) | P (kW) | Air outlet Temp. (°C) | Water flow (l/h) |
| 300 | 1,51 | 13,17 | 259 | 1,84 | 13,94 | 315 | 2,92 | 15,43 | 501 |
| 350 | 1,7 | 13,46 | 292 | 2,07 | 14,22 | 356 | 3,29 | 15,86 | 565 |
| 400 | 1,88 | 13,71 | 323 | 2,31 | 14,43 | 397 | 3,64 | 16,23 | 626 |
| 450 | 2,05 | 13,94 | 352 | 2,53 | 14,67 | 434 | 3,98 | 16,57 | 684 |
| 500 | 2,21 | 14,15 | 380 | 2,73 | 14,92 | 468 | 4,3 | 16,88 | 739 |
| 550 | 2,37 | 14,35 | 406 | 2,92 | 15,14 | 502 | 4,61 | 17,16 | 793 |
| 600 | 2,52 | 14,52 | 433 | 3,1 | 15,35 | 533 | 4,91 | 17,41 | 844 |
| 650 | 2,68 | 14,64 | 461 | 3,28 | 15,53 | 564 | 5,19 | 17,66 | 892 |

| Air inlet T° (°C) | CAIB/T PRO-REG 18/28/38 | | | | | | | | |
|----------------------|-------------------------|--------------------------|---------------------|--------------|--------------------------|---------------------|--------------|--------------------------|---------------------|
| | 25°C and 50% | | | 27°C and 50% | | | 32°C and 50% | | |
| Airflow (m³/h) | P (kW) | Air outlet Temp. (°C) | Water flow (l/h) | P (kW) | Air outlet Temp. (°C) | Water flow (l/h) | P (kW) | Air outlet Temp. (°C) | Water flow (l/h) |
| 500 | 2,77 | 12,36 | 475 | 3,4 | 12,94 | 584 | 5,38 | 14,08 | 924 |
| 600 | 3,24 | 12,58 | 557 | 3,95 | 13,26 | 679 | 6,25 | 14,53 | 1074 |
| 700 | 3,68 | 12,82 | 631 | 4,47 | 13,54 | 768 | 7,09 | 14,91 | 1218 |
| 800 | 4,08 | 13,06 | 701 | 4,97 | 13,79 | 854 | 7,9 | 15,23 | 1358 |
| 900 | 4,47 | 13,28 | 767 | 5,44 | 14,04 | 935 | 8,66 | 15,56 | 1488 |
| 1000 | 4,85 | 13,45 | 834 | 5,98 | 14,12 | 1027 | 9,41 | 15,84 | 1617 |
| 1100 | 5,22 | 13,63 | 897 | 6,43 | 14,32 | 1104 | 10,13 | 16,1 | 1740 |
| 1200 | 5,57 | 13,8 | 957 | 6,86 | 14,51 | 1178 | 10,82 | 16,35 | 1859 |
| 1300 | 5,9 | 13,96 | 1014 | 7,26 | 14,7 | 1247 | 11,49 | 16,58 | 1974 |
| 1400 | 6,23 | 14,11 | 1070 | 7,68 | 14,86 | 1319 | 12,13 | 16,79 | 2084 |
| 1500 | 6,54 | 14,25 | 1124 | 8,08 | 15,01 | 1388 | 12,75 | 17 | 2192 |
| 1600 | 6,86 | 14,37 | 1178 | 8,45 | 15,16 | 1452 | 13,38 | 17,18 | 2299 |
| 1700 | 7,15 | 14,5 | 1228 | 8,81 | 15,31 | 1514 | 13,96 | 17,37 | 2399 |
| 1800 | 7,49 | 14,56 | 1287 | 9,18 | 15,45 | 1577 | 14,55 | 17,53 | 2500 |
| 1900 | 7,78 | 14,69 | 1336 | 9,53 | 15,57 | 168 | 15,12 | 17,69 | 2599 |
| 2000 | 8,08 | 14,79 | 1338 | 9,88 | 15,69 | 1697 | 15,66 | 17,86 | 2692 |

| Power correction factors | | | |
|--------------------------|-------------------|--------|--------|
| Air inlet | Water temperature | | |
| | 5-10°C | 6-11°C | 8-13°C |
| 25°C and 50% HR | 1,2 | 1,1 | 0,9 |
| 27°C and 50% HR | 1,18 | 1,08 | 0,9 |
| 32°C and 50% HR | 1,12 | 1,06 | 0,9 |

ACOUSTIC CHARACTERISTICS

Sound power spectrum: To obtain the sound pressure spectrum, add the correction values (dB(A)) show in the table below at the corresponding octave average frequencies, from the value provided in the product performance curves.

| Correction | 63 Hz | 125 Hz | 250 Hz | 500 Hz | 1000 Hz | 2000 Hz | 4000 Hz | 8000 Hz |
|-------------|-------|--------|--------|--------|---------|---------|---------|---------|
| Lw dB | 1 | 0 | -7 | -5 | -5 | -6 | -10 | -15 |
| Lp (4 m) dB | 17 | 8 | 0 | -5 | -6 | -12 | -16 | -21 |

MOUNTING ACCESSORIES



ACOPEL F400 N
Circular flexible connector.



APC
Rain cap with protection cowl against birds.



REEV 250/355/400
Defrost damper.



LF-230 S
LF-24 S
Motor for the defrost damper.



Filter
G4, M5 and F7 filters available.

| Model | Filter | | |
|------------------|----------------------|----------------------|----------------------|
| | G4 | M5 | F7 |
| CAIB 08 | AFR CAIB 08 G4 | AFR CAIB 08 M5 | AFR CAIB 08 F7 |
| CAIB 18/28/38 G4 | AFR CAIB 18/28/38 G4 | AFR CAIB 18/28/38 M5 | AFR CAIB 18/28/38 f7 |

| Model | Protection guard | Silencer | Flexible connector | Isolation damper | Actuator | |
|------------|------------------|----------|-----------------------|------------------|----------|---------|
| | | | | | 230V | 24V |
| CAIB 08 | APC-250 | SIL-250 | ACOPEL F400-250/160 N | REEV 250 | LF 230 S | LF 24 S |
| CAIB 18/28 | APC-355 | SIL-355 | ACOPEL F400-355/160 N | REEV 355 | | |
| CAIB 38 | APC-400 | SIL-400 | ACOPEL F400-400/160 N | REEV 400 | | |

ELECTRICAL ACCESSORIES



BCCA 2V
Control box 2 speeds



CVF
Remote control ON/OFF + potentiometer



SC02-G
CO₂ sensor for the duct.



SC02 A
Ambient Sensor



SC02
Ambient sensor that optimizes the energy of the ventilation system



TGR
Room Sensor



SHUR
Humidity sensor



SPRD B
Pressure sensor.