

# CONFIGURABLE HIGH-EFFICIENCY HEAT RECOVERY UNITS

## CADB/T-HE PRO-REG Series



False-ceiling models  
CADB/T-HE 04 to 33



Vertical models  
CADB/T-HE 04 to 33



Vertical and horizontal outdoor installation models  
CADB/T-HE 45 and 60



**Remote control panel**  
Maximum wire distance  
50 m. 10 m cable included.



**Security switch**  
All versions include a On/Off security device.



Heat Recovery



ErP OK



Smart Ventilation Systems



ectechnology



F7

SUPPLY FILTER



M5

EXTRACT FILTER

### Versions



HORIZONTAL CONFIGURATION



VERTICAL CONFIGURATION



WITHOUT ADDITIONAL HEAT



ELECTRIC BATTERY INCLUDED



WATER COIL INCLUDED

Compact heat recovery unit with high-efficiency (up to 93%) counter-flow heat exchanger, EUROVENT certified. The casing is made from plasticised galvanised steel in white. Panels are double skinned with thermo-acoustic flameproof insulation (M0), made from 25mm thick fiberglass in false ceiling versions (Models 04 to 33) and 47mm in outdoor versions (Models 45 and 60).

Configurable and airtight supply and exhaust spigots, suitable for horizontal and vertical installation. Minimum outdoor temperature -10°C. For lower temperatures it is necessary to use preheating batteries located in the suction of the outside air.

### Applications

Commercial premises, offices, restaurants, public buildings, schools.

### CADB/T-HE D PRO-REG

Heat recovery units without additional incorporated heater.

### CADB/T-HE DC PRO-REG

Heat recovery units with built-in hot water coil.

The 3-Way valve is provided as an accessory (see accessories table for this series)

### CADB/T-HE DI PRO-REG

Heat recovery units with built-in electric heater battery.

### Motors

Models 04 to 21: EC motors with integrated electronic protection, IP44, Class B.  
Models 33 to 60: EC motors with integrated electronic protection, IP 54 class B.

### Fans

Plug-fan with backward curved impeller.

### Filters

- F7: Low pressure F7 filters for supply air.
- M5: M5 filters for extract air.
- Possibility of mounting a second filter (accessory).

It is possible to complement the heat recovery unit with a specific range of water and direct expansion coils. Also available, the exclusive module IAQ with high efficiency VOC's and particles filtration that guarantees the filtration and purification of the outdoor air.

### Control

It includes manual or automatic control for modes: adjustable airflow (VAV), constant pressure (COP) or constant airflow (CAV), via CO<sub>2</sub>, pressure or airflow sensors (accessories).

Post-heating stage versions (-DC/-DI) allow post-heating management depending on the temperatures taken by the temperature probes incorporated in the design.

Ranges of product according to the type of operating control:

### VAV - variable air volume

Fan speed can be adjusted with a 0 - 10V signal from the remote touchscreen panel (included) or an external CO<sub>2</sub>, temperature or humidity sensor (accessories).

### CAV - constant air volume

Manual pre-setting of 2 working points the fans are controlled separately, regardless of the degree of fouling of the filters. It is necessary to add two pressure sensors TDP-S as external accessory.

### COP - constant pressure

Constant pressure measured by an external pressure sensor TDP-S (accessory). It is necessary to add a pressure sensor TDP-S as an external accessory\*.

\* To control supply and extract air separately it is necessary to install 2 pressure sensors TDP-S.

### Additional information

Single phase (CADB-HE PRO-REG) and three phase models (CADT-HE PRO-REG).

Airflows from 450 to 6100 m<sup>3</sup>/h at 150 Pa of static pressure available.

All versions and models include by-pass. Mounting flexibility provided by the interchangeable side panels.

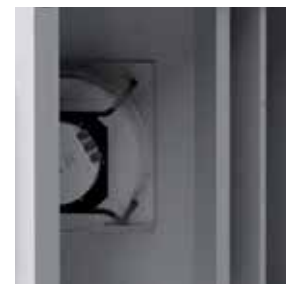
**CADB/T-HE 04 TO 33 PRO-REG HORIZONTAL MODELS**



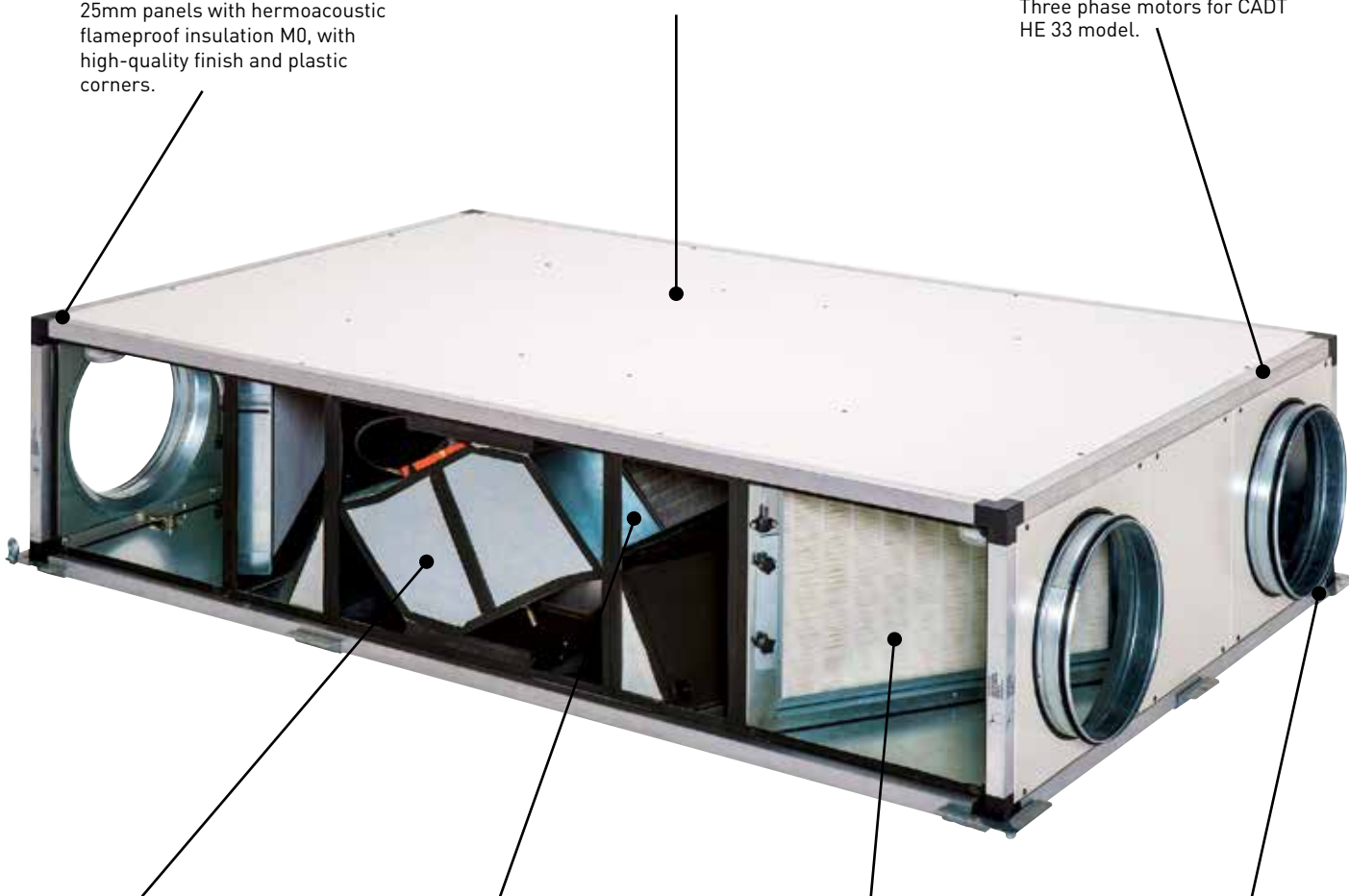
**Low noise level and robust construction**  
 Casing with double skinned 25mm panels with hermoacoustic flameproof insulation M0, with high-quality finish and plastic corners.



**PRO-REG Controller**  
 Mounted in an IP54 weatherproof electrical box.



**Motors**  
 Incorporating Plug-fans with EC single-phase motor. Three phase motors for CADT HE 33 model.



**By-pass**  
 All versions include internal bypass (approximately 75% airflow).



**Counterflow heat exchanger**  
 high-efficiency (up to 93%), EUROVENT certified.



**High-efficiency filters:**  
 - F7 Filters: Low pressure F7 filters for supply air.  
 - M5 Filters: M5 filters for extract air. Possibility of mounting a second filter (accessory)



**Easy installation**  
 Specific supports to allow installation in false ceilings via threaded rods.

# CONFIGURABLE HIGH-EFFICIENCY HEAT RECOVERY UNITS

## CADB/T-HE PRO-REG Series



### CADB/T-HE 04 TO 33 PRO-REG VERTICAL MODELS



**Ecodesign**  
Streamlined aerodynamic design, to reduce internal pressure drop.



**Low noise level and robust construction**  
Casing with double skinned 25mm panels with thermoacoustic flameproof insulation M0, with high-quality finish and plastic corners.



**Versatility**  
Designed to allow the quickly reorientation of inputs and outputs through the exchange of two contiguous panels.



**High-efficiency filters**  
- F7 Filters: Low pressure F7 filters for supply air.  
- M5 Filters: M5 filters for extract air. Possibility of mounting a second filter (accessory)



**Counterflow heat exchanger**  
high-efficiency (up to 93%), EUROVENT certified.  
All versions include internal bypass (approximately 75% airflow).



**Condensate Tray**  
Double tray for summer and winter, with departures by the bottom.



**High-efficiency motors**  
Incorporating Plug-fans with EC single-phase motor.  
Three phase motors for CADT HE 33 model.



**Pressure Taps**  
Before and after the filters, to control the soiling.





# CONFIGURABLE HIGH-EFFICIENCY HEAT RECOVERY UNITS

## CADB/T-HE PRO-REG Series



### CADB/T-HE 45 and 60 PRO-REG MODELS



#### High-efficiency filters

- F7 Filters: Low pressure F7 filters for supply air.  
- M5 Filters: M5 filters for extract air. Possibility of mounting a second filter (accessory)



#### Low noise level and robust construction

Casing with 47mm profiles structure with double skinned panels with thermoacoustic flameproof insulation M0, with high-quality finish and plastic corners.



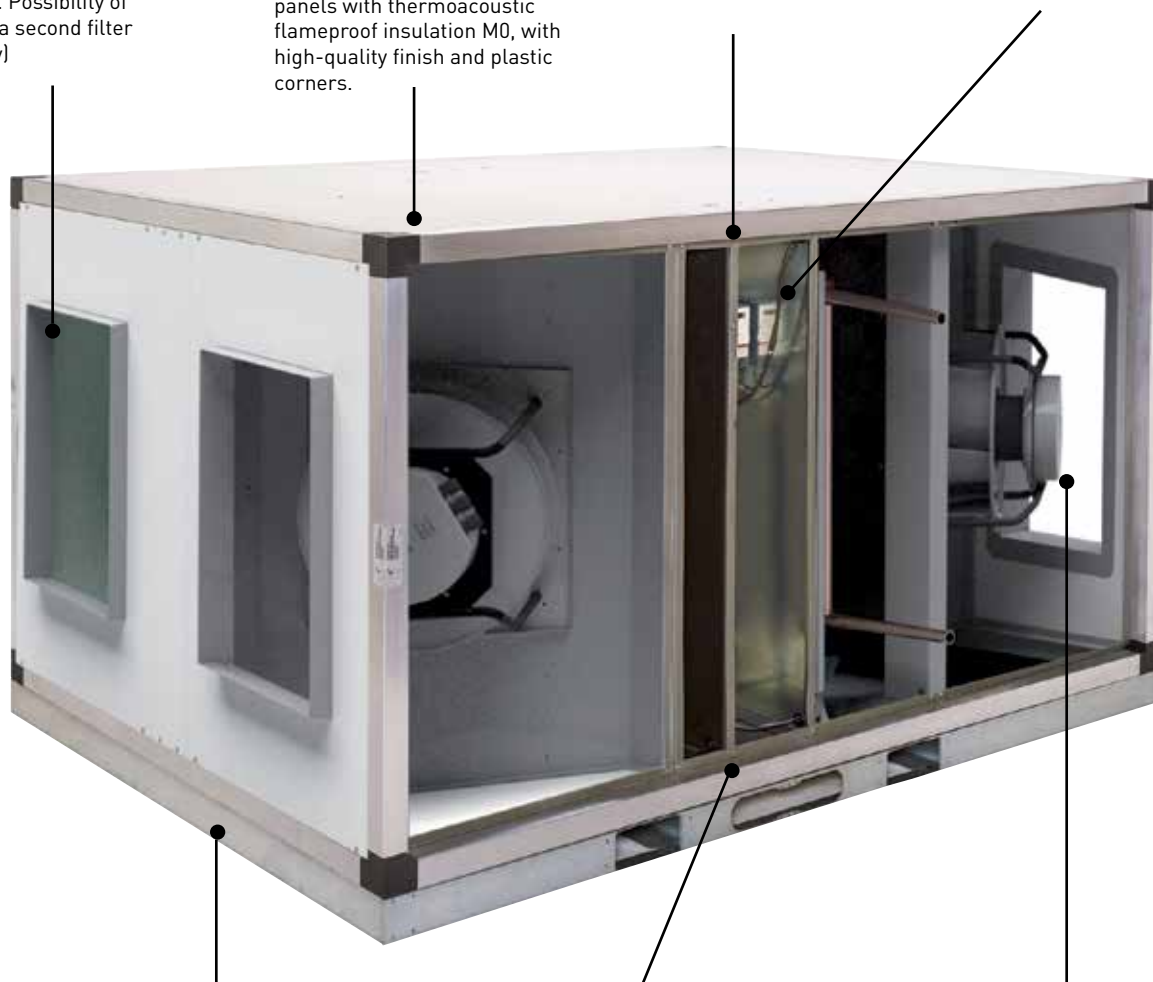
#### By-pass

All versions include internal bypass (approximately 75% airflow)



#### PRO-REG Controller

Mounted inside the unit, IP55.



#### Structural base

It provides a high rigidity and allows the easy levelling of the unit in outdoor installations.



Counterflow heat exchanger of high-efficiency (up to 93%), EUROVENT certified.



#### Motors

Plug-fans with EC three-phase motor, powered by frequency Inverter .

**HIGHEST FLEXIBILITY**



**Versatile assembly**

The design of our heat recovery units makes it possible for the user to configure them on site. Panels are interchangeable (except the control panel), which makes it possible to change the position of inlet and outlet connections directly on site, depending on the specific requirements.



Multiple possibilities for exchanging the panels

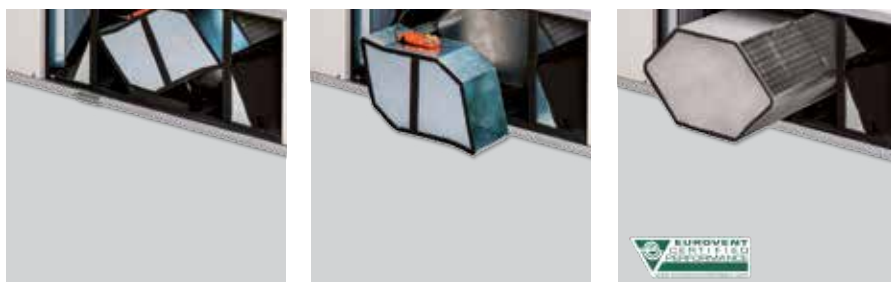


**Easy maintenance**

Models 04 to 60: easy access to filters from side panels.

**Easy maintenance**

Models 04 to 33: easy access to filters from bottom panels.



Models 04 to 33: Easy access for cleaning the exchanger from side and bottom panels. Disassembly required.  
 Models 45 and 60: Easy access for cleaning the exchanger from side panels.

### REFERENCE

<b>C</b>	<b>A</b>	<b>D</b>	<b>B</b>	-	<b>HE</b>	<b>D</b>	<b>I</b>	<b>16</b>	<b>LH</b>	<b>PRO-REG</b>
1					2		3	4	5	

#### 1 - Series:

**CADB-HE:** Single-phase  
**CADT-HE:** Three-phase

#### 2 - Heater options range:

**D:** Standard range (no heating)  
**DC:** Range with built-in hot water coil  
**DI:** Range with built-in electric heater battery

#### 3 - Size

#### 4 - Type of configuration:

**LH:** Left horizontal  
**RH:** Right horizontal  
**LV:** Left vertical  
**RV:** Right vertical

#### 5 - PRO-REG: Control Plug & Play PRO-REG included

## STANDARD VERSIONS CADB/T-HE PRO-REG

### Horizontal Versions

#### D Models: without heater battery

CADB-HE	-D	04	LH	PRO-REG
CADB-HE	-D	08	LH	PRO-REG
CADB-HE	-D	12	LH	PRO-REG
CADB-HE	-D	16	LH	PRO-REG
CADB-HE	-D	21	LH	PRO-REG
CADT-HE	-D	33	LH	PRO-REG
CADT-HE	-D	45	LH	PRO-REG
CADT-HE	-D	60	LH	PRO-REG

CADB-HE	-D	04	RH	PRO-REG
CADB-HE	-D	08	RH	PRO-REG
CADB-HE	-D	12	RH	PRO-REG
CADB-HE	-D	16	RH	PRO-REG
CADB-HE	-D	21	RH	PRO-REG
CADT-HE	-D	33	RH	PRO-REG
CADT-HE	-D	45	RH	PRO-REG
CADT-HE	-D	60	RH	PRO-REG

#### DC Models: with built-in hot water coil

CADB-HE	-DC	04	LH	PRO-REG
CADB-HE	-DC	08	LH	PRO-REG
CADB-HE	-DC	12	LH	PRO-REG
CADB-HE	-DC	16	LH	PRO-REG
CADB-HE	-DC	21	LH	PRO-REG
CADT-HE	-DC	33	LH	PRO-REG
CADT-HE	-DC	45	LH	PRO-REG
CADT-HE	-DC	60	LH	PRO-REG

CADB-HE	-DC	04	RH	PRO-REG
CADB-HE	-DC	08	RH	PRO-REG
CADB-HE	-DC	12	RH	PRO-REG
CADB-HE	-DC	16	RH	PRO-REG
CADB-HE	-DC	21	RH	PRO-REG
CADT-HE	-DC	33	RH	PRO-REG
CADT-HE	-DC	45	RH	PRO-REG
CADT-HE	-DC	60	RH	PRO-REG

#### DI Models: with built-in electric heater battery

CADB-HE	-DI	04	LH	PRO-REG
CADB-HE	-DI	08	LH	PRO-REG
CADB-HE	-DI	12	LH	PRO-REG
CADB-HE	-DI	16	LH	PRO-REG
CADT-HE	-DI	21	LH	PRO-REG
CADT-HE	-DI	33	LH	PRO-REG
CADT-HE	-DI	45	LH	PRO-REG
CADT-HE	-DI	60	LH	PRO-REG

CADB-HE	-DI	04	RH	PRO-REG
CADB-HE	-DI	08	RH	PRO-REG
CADB-HE	-DI	12	RH	PRO-REG
CADB-HE	-DI	16	RH	PRO-REG
CADT-HE	-DI	21	RH	PRO-REG
CADT-HE	-DI	33	RH	PRO-REG
CADT-HE	-DI	45	RH	PRO-REG
CADT-HE	-DI	60	RH	PRO-REG

**STANDARD VERSIONS CADB/T-HE PRO-REG**

**Vertical Versions**

**D Models: without heater battery**

CADB-HE	-D	04	LV	PRO-REG
CADB-HE	-D	08	LV	PRO-REG
CADB-HE	-D	12	LV	PRO-REG
CADB-HE	-D	16	LV	PRO-REG
CADB-HE	-D	21	LV	PRO-REG
CADT-HE	-D	33	LV	PRO-REG
CADT-HE	-D	45	LV	PRO-REG
CADT-HE	-D	60	LV	PRO-REG

CADB-HE	-D	04	RV	PRO-REG
CADB-HE	-D	08	RV	PRO-REG
CADB-HE	-D	12	RV	PRO-REG
CADB-HE	-D	16	RV	PRO-REG
CADB-HE	-D	21	RV	PRO-REG
CADT-HE	-D	33	RV	PRO-REG
CADT-HE	-D	45	RV	PRO-REG
CADT-HE	-D	60	RV	PRO-REG

**DC Models: with built-in hot water coil**

CADB-HE	-DC	04	LV	PRO-REG
CADB-HE	-DC	08	LV	PRO-REG
CADB-HE	-DC	12	LV	PRO-REG
CADB-HE	-DC	16	LV	PRO-REG
CADB-HE	-DC	21	LV	PRO-REG
CADT-HE	-DC	33	LV	PRO-REG
CADT-HE	-DC	45	LV	PRO-REG
CADT-HE	-DC	60	LV	PRO-REG

CADB-HE	-DC	04	RV	PRO-REG
CADB-HE	-DC	08	RV	PRO-REG
CADB-HE	-DC	12	RV	PRO-REG
CADB-HE	-DC	16	RV	PRO-REG
CADB-HE	-DC	21	RV	PRO-REG
CADT-HE	-DC	33	RV	PRO-REG
CADT-HE	-DC	45	RV	PRO-REG
CADT-HE	-DC	60	RV	PRO-REG

**DI Models: with built-in electric heater battery**

CADB-HE	-DI	04	LV	PRO-REG
CADB-HE	-DI	08	LV	PRO-REG
CADB-HE	-DI	12	LV	PRO-REG
CADB-HE	-DI	16	LV	PRO-REG
CADT-HE	-DI	21	LV	PRO-REG
CADT-HE	-DI	33	LV	PRO-REG
CADT-HE	-DI	45	LV	PRO-REG
CADT-HE	-DI	60	LV	PRO-REG

CADB-HE	-DI	04	RV	PRO-REG
CADB-HE	-DI	08	RV	PRO-REG
CADB-HE	-DI	12	RV	PRO-REG
CADB-HE	-DI	16	RV	PRO-REG
CADT-HE	-DI	21	RV	PRO-REG
CADT-HE	-DI	33	RV	PRO-REG
CADT-HE	-DI	45	RV	PRO-REG
CADT-HE	-DI	60	RV	PRO-REG

# CONFIGURABLE HIGH-EFFICIENCY HEAT RECOVERY UNITS

## CADB/T-HE PRO-REG Series



### TECHNICAL CHARACTERISTICS

#### D Models: without heater battery

	Complete unit						Fan		Weight (kg)
	Air connections diameter (mm)	Nominal airflow (m³/h)	Efficiency* (%)	Electrical supply	Max. abs. power (kW)	Maximum current (A)	Speed (r.p.m.)	Maximum current (A) each fan	
CADB-HE D 04 PRO-REG	200	450	87	1/230V, 50Hz	0,35	2,2	3700	1,0	147
CADB-HE D 08 PRO-REG	250	800	86,4	1/230V, 50Hz	0,53	2,9	2650	1,3	183
CADB-HE D 12 PRO-REG	315	1.200	85,3	1/230V, 50Hz	1,10	3,5	2550	1,6	190
CADB-HE D 16 PRO-REG	315	1.600	85,5	1/230V, 50Hz	1,10	4,3	2845	2,0	235
CADB-HE D 21 PRO-REG	400	2.100	86,7	1/230V, 50Hz	1,13	4,7	1580	2,2	333
CADT-HE D 33 PRO-REG	400	3.300	89,9	3+N/400V, 50Hz	2,32	4,3	2600	2,0	420
CADT-HE D 45 PRO-REG	400x600	4.500	86,3	3+N/400V, 50Hz	4,43	6,3	2200	3,0	597
CADT-HE D 60 PRO-REG	600x700	6.100	86,7	3+N/400V, 50Hz	4,43	6,3	2200	3,0	730

\* Humid efficiency referring to nominal airflow, outdoor conditions [-5°C / 80% RH] and indoor [20°C / 50% RH]

#### DC Models: with built-in hot water coil

	Complete unit						Fan		Hot water coil		Weight (kg)
	Air connections diameter (mm)	Nominal airflow (m³/h)	Efficiency* (%)	Electrical supply	Max. abs. power (kW)	Maximum current (A)	Speed (r.p.m.)	Maximum current (A) each fan	Heat power T.water 80/60°C (kW)	Heat power T.water 50/45°C (kW)	
CADB-HE DC 04 PRO-REG	200	450	87	1/230V, 50Hz	0,35	2,2	3700	1,0	2,7	1,6	149
CADB-HE DC 08 PRO-REG	250	800	86,4	1/230V, 50Hz	0,53	2,9	2650	1,3	5,1	3,1	186
CADB-HE DC 12 PRO-REG	315	1.200	85,3	1/230V, 50Hz	1,10	3,5	2550	1,6	7,1	4,3	193
CADB-HE DC 16 PRO-REG	315	1.600	85,5	1/230V, 50Hz	1,10	4,3	2845	2,0	8,6	5,3	239
CADB-HE DC 21 PRO-REG	400	2.100	86,7	1/230V, 50Hz	1,13	4,7	1580	2,2	12,6	7,8	338
CADT-HE DC 33 PRO-REG	400	3.300	89,9	3+N/400V, 50Hz	2,32	4,3	2600	2,0	18,2	11,1	427
CADT-HE DC 45 PRO-REG	400x600	4.500	86,3	3+N/400V, 50Hz	4,43	6,3	2200	3,0	25,6	15,5	606
CADT-HE DC 60 PRO-REG	600x700	6.100	86,7	3+N/400V, 50Hz	4,43	6,3	2200	3,0	34,7	21,1	742

\* Humid efficiency referring to nominal airflow, outdoor conditions [-5°C / 80% RH] and indoor [20°C / 50% RH]

#### DI Models: with built-in electric heater battery

	Complete unit						Fan		Electric battery		Weight (kg)
	Air connections diameter (mm)	Nominal airflow (m³/h)	Efficiency* (%)	Electrical supply	Max. abs. power (kW)	Maximum current (A)	Speed (r.p.m.)	Maximum current (A) each fan	Heating power (kW)	Maximum current (A)	
CADB-HE DI 04 PRO-REG	200	450	87	1/230V, 50Hz	1,3	6,7	3700	1,0	1	4,5	148
CADB-HE DI 08 PRO-REG	250	800	86,4	1/230V, 50Hz	2,5	12,0	2650	1,3	2	9,1	185
CADB-HE DI 12 PRO-REG	315	1.200	85,3	1/230V, 50Hz	4,1	14,9	2550	1,6	3	11,4	192
CADB-HE DI 16 PRO-REG	315	1.600	85,5	1/230V, 50Hz	4,6	20,2	2845	2,0	3,5	15,9	237
CADT-HE DI 21 PRO-REG	400	2.100	86,7	3+N/400V, 50Hz	7,1	13,8	1580	2,2	6	9,11	336
CADT-HE DI 33 PRO-REG	400	3.300	89,9	3+N/400V, 50Hz	9,8	15,7	2600	2,0	7,5	11,4	424
CADT-HE DI 45 PRO-REG	400x600	4.500	86,3	3+N/400V, 50Hz	13,4	20,0	2200	3,0	9	13,7	602
CADT-HE DI 60 PRO-REG	600x700	6.100	86,7	3+N/400V, 50Hz	16,4	24,5	2200	3,0	12	18,2	737

\* Humid efficiency referring to nominal airflow, outdoor conditions [-5°C / 80% RH] and indoor [20°C / 50% RH]

### ACOUSTIC CHARACTERISTICS

Model	Sound Pressure (LpA)*			Sound Power (LwA)		
	Inlet	Outlet	Radiated	Inlet	Outlet	Radiated
CADB-HE 04 PRO-REG	34	55	43	54	75	63
CADB-HE 08 PRO-REG	37	54	38	57	74	58
CADB-HE 12 PRO-REG	46	61	44	66	81	64
CADB-HE 16 PRO-REG	45	60	45	65	80	65
CADB/T-HE 21 PRO-REG	42	58	42	62	78	62
CADT-HE 33 PRO-REG	47	67	57	67	87	77
CADT-HE 45 PRO-REG	46	68	57	66	88	77
CADT-HE 60 PRO-REG	47	65	58	67	85	78

\* Average sound pressure level, in dB(A), in free field conditions at 3m distance.

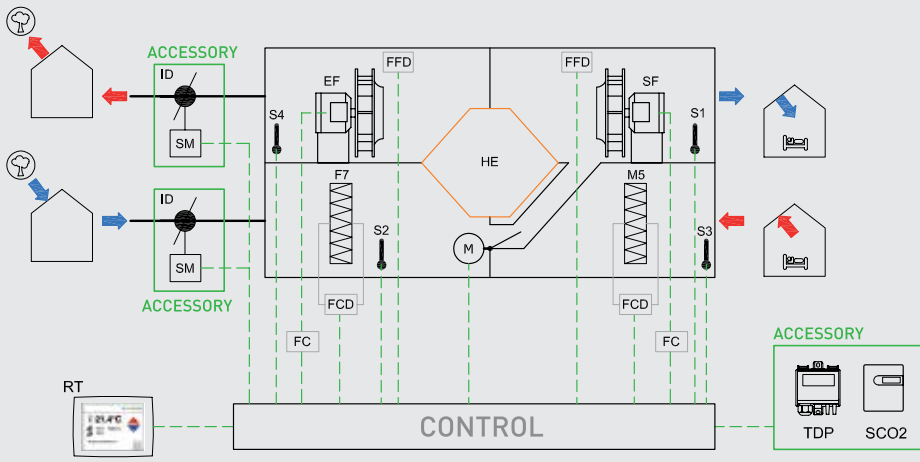
Depending on the installation conditions, type of enclosures, as well as characteristics of the materials used in walls and false ceilings, the real sound pressure levels may be very different from the values given in the table.



**SCHEMATIC DIAGRAM**

**CADB/T-HE D PRO-REG**

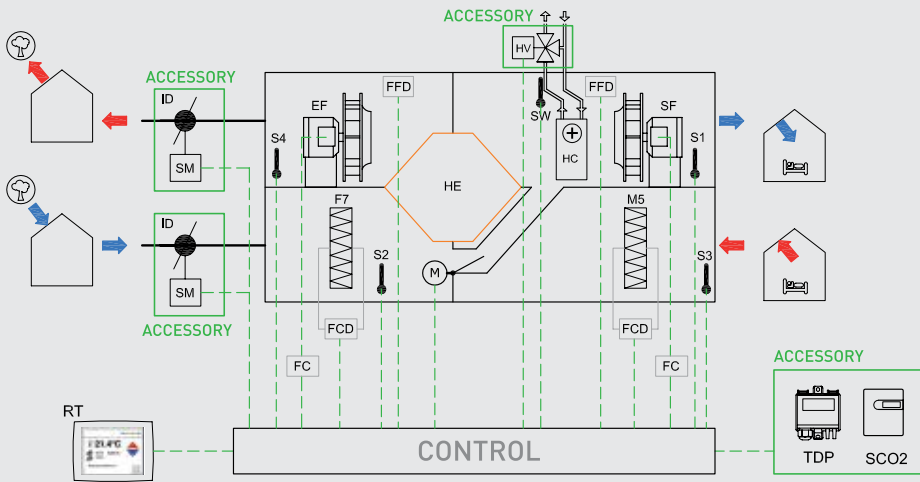
**D Models: Versions without post-heating**



- SF Supply fan
- EF Extract fan
- S1 Supply temperature probe
- S2 Extract temperature probe
- S3 Inlet temperature probe
- S4 Outlet temperature probe
- FCD Polluted filters detector (pressure switch)
- FFD Failure motor detector (pressure switch)
- HE High-efficiency heat exchanger
  
- RT Remote control panel
- F7 Supply filter
- M5 Extract filter
- M Bypass actuator
- FC Frequency inverter (models 40 and 54)
- SCO<sub>2</sub> CO2 sensor (accessory)
- TDP Pressure sensor TDP-S (accessory)
- ID Isolation damper (accessory)
- SM Actuator damper (accessory)

**CADB/T-HE-DC PRO-REG**

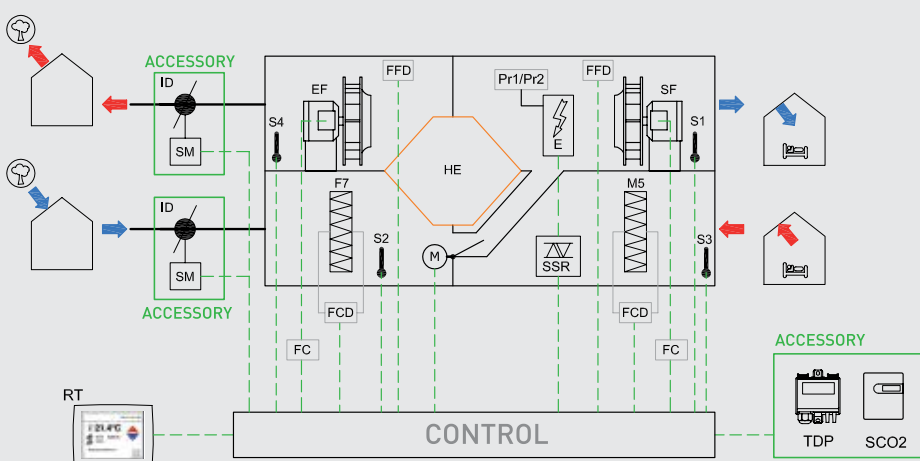
**DC Models: Versions with hot water coil**



- SF Supply fan
- EF Extract fan
- S1 Supply temperature probe
- S2 Extract temperature probe
- S3 Inlet temperature probe
- S4 Outlet temperature probe
- SW Water temperature probe
- FCD Polluted filters detector (pressure switch)
- FFD Failure motor detector (pressure switch)
- HE High-efficiency heat exchanger
- RT Remote control panel
  
- F7 Supply filter
- M5 Extract filter
- M Bypass actuator
- HC Hot water coil
- FC Frequency inverter (models 40 and 54)
- HV Water valve (accessory)
- SCO<sub>2</sub> CO2 sensor (accessory)
- TDP Pressure sensor TDP-S (accessory)
- ID Isolation damper (accessory)
- SM Actuator damper (accessory)

**CADB/T-HE-DI PRO-REG**

**DI Models: Versions with electric heater coil**



- SF Supply fan
- EF Extract fan
- S1 Supply temperature probe
- S2 Extract temperature probe
- S3 Inlet temperature probe
- S4 Outlet temperature probe
- FCD Polluted filters detector (pressure switch)
- FFD Failure motor detector (pressure switch)
- HE High-efficiency heat exchanger
- RT Remote control panel
  
- F7 Supply filter
- M5 Extract filter
- M Bypass actuator
- Pr1/Pr2 Security protectors (Manual/Auto)
- SSR Electric heater battery proportional regulator
- FC Frequency inverter (models 40 and 54)
- SCO<sub>2</sub> CO2 sensor (accessory)
- TDP Pressure sensor TDP-S (accessory)
- ID Isolation damper (accessory)
- SM Actuator damper (accessory)

## PLUG & PLAY CONTROL PRO-REG FUNCTIONS

### MAIN ELEMENTS

#### Control panel includes:

General switch

Electric box including control and wiring components, with access from side panel.

### FUNCTIONS

#### Airflow adjustments

Manual airflow adjustment, adjustable at any point of the fan curve.

Automatic airflow adjustment, according to time band (internal Timer).

Automatic airflow adjustment in VAV mode, according to external signal 0-10V (CO<sub>2</sub> accessory).

Automatic speed adjustment of the fans in Constant Arflow mode (Increase of fan speed on the basis of pollution of filters).

Automatic speed adjustment of the fans in Constant Pressure mode (Increase of fan speed when pressure in the duct system decreases).

BOOST function (Forced speed preset via external power free contact).

ON/OFF function (Remote ON/OFF via external power free contact).

#### Temperature regulation

Temperature probes integrated within the unit (supply, extract, inlet and outlet).

Anti-frost probe water coil (DC-Versions).

Thermal power regulation of hot water coil.

Modulating 3 points control of water valve (accessory).

Regulation of water coil thermal power. 0-10V control of the water valve (accessory).

Regulation of electric heater battery thermal power in DI versions. Proportional control via SSR.

#### Bypass adjustments

Manual actuation of bypass.

Automatic actuation of bypass function free-cooling/ free-heating.

Nocturnal free-cooling mode (Cooling of the building at night).

### SECURITY FUNCTIONS

Control of polluted filters via pressure switches (included).

Alarm display in remote control.

Detailed information of alarms.

Failure in temperature probes.

Failure in fan via pressure switches (included).

Fire alarm indication, via activation by external contact coming from fire switchboard.

Anti-frost protection of heat exchanger via bypass activation.

### COMMUNICATION

Remote wiring control.

ON/OFF remote digital input via external power free contact.

Alarm digital output via power free contact.

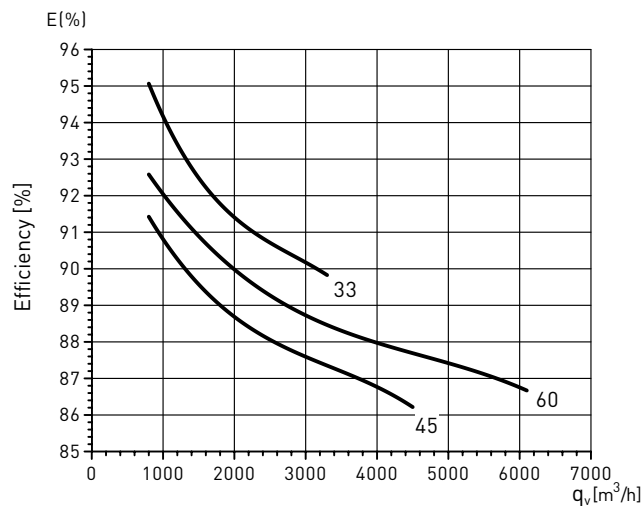
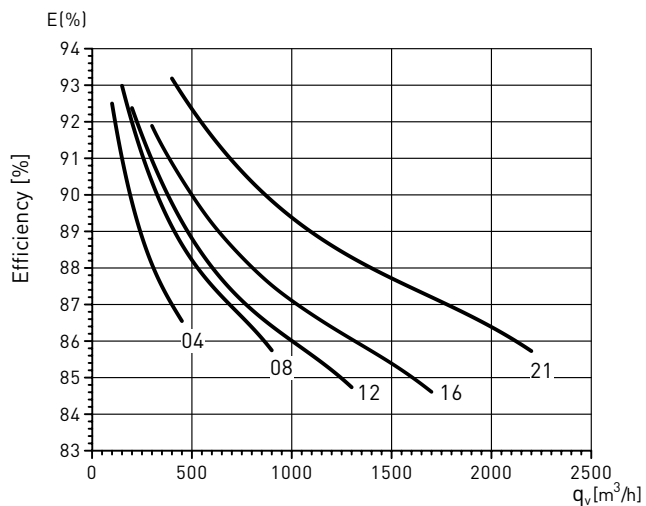
Modbus RTU (RS-485).

Bacnet TCP/IP.

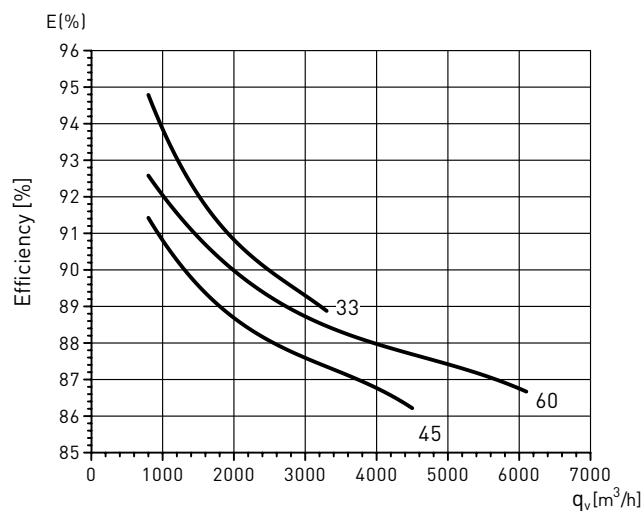
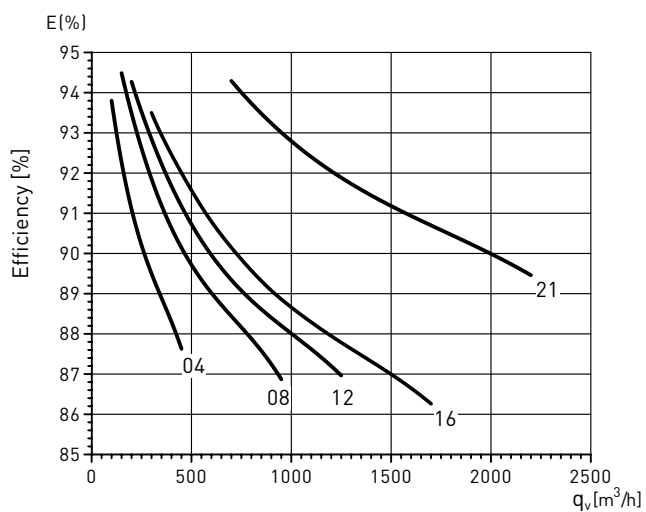
**RECOVERY EFFICIENCY ACCORDING TO THE AIRFLOW**

Values referring to the following conditions:  
 Outdoor temperature: -5°C, RH=80%  
 Indoor temperature: 20°C, RH=50%

**Horizontal Versions**



**Vertical Versions**



**RECOVERY EFFICIENCY RELATIVE TO OUTDOOR TEMPERATURE**

**Horizontal Versions**

Model	Airflow (m³/h)	OUTDOOR AIR		INDOOR AIR*		PERFORMANCE*	
		Temperature (°C)	RH (%)	Temperature (°C)	RH (%)	Efficiency (%)	Recovered power (kW)
CADB-HE 04	400	-10	80	17,2	10,6	90,7	3,65
		-5	80	16,7	16,9	87	2,92
		0	70	16,6	22,7	82,8	2,23
		5	70	17,1	31,3	80,9	1,63
CADB-HE 08	800	-10	80	17	10,7	90,1	7,3
		-5	80	16,6	17	86,4	5,8
		0	70	16,6	22,9	82,2	4,4
		5	70	17	31,5	80,2	3,2
CADB-HE 12	1.200	-10	80	16,7	12	89,2	10,8
		-5	80	16,3	18,2	85,3	8
		0	70	16,2	23,2	80,9	6,5
		5	70	16,8	31,8	78,9	4,8
CADB-HE 16	1.600	-10	80	16,7	10,9	89,1	14,4
		-5	80	16,3	17,3	85,3	11,5
		0	70	16,2	23,3	80,9	8,7
		5	70	16,8	31,9	78,8	6,4
CADB-HE 21	2.100	-10	80	17,1	10,7	90,2	19,1
		-5	80	16,6	17	86,5	15,2
		0	70	16,5	22,9	82,3	11,6
		5	70	17	31,4	80,3	8,5
CADT-HE 33	3.300	-10	80	17,6	10	92,1	30,3
		-5	80	17,1	16	88,4	24,0
		0	70	16,8	22	84,2	18,0
		5	70	17,3	31	82,2	12,7
CADT-HE 45	4.500	-10	80	17,2	11,7	90,6	39,5
		-5	80	17,2	17,1	89	32,6
		0	70	17,5	21,4	87,3	25,8
		5	70	17,7	30,1	84,8	19
CADT-HE 60	6.100	-10	80	17,2	11,7	90,5	53,5
		-5	80	17,2	17,1	88,9	44,2
		0	70	17,4	21,4	87,2	34,9
		5	70	17,7	30,1	84,8	25,7

\*For indoor temperature 20°C 50%

**RECOVERY EFFICIENCY RELATIVE TO OUTDOOR TEMPERATURE**

**Vertical Versions**

Model	Airflow (m³/h)	OUTDOOR AIR		INDOOR AIR*		PERFORMANCE*	
		Temperature (°C)	RH (%)	Temperature (°C)	RH (%)	Efficiency (%)	Recovered power (kW)
CADB-HE 04	450	-10	80	17,5	10,4	91,7	3,7
		-5	80	17	16,7	87,8	3
		0	70	16,7	22,8	83,3	2,3
		5	70	17,1	31,4	80,8	1,7
CADB-HE 08	800	-10	80	17,5	10,4	91,7	6,6
		-5	80	17	16,7	87,9	5,4
		0	70	16,7	22,6	83,4	4,2
		5	70	17,1	31,4	80,9	3,1
CADB-HE 12	1.200	-10	80	17,3	10,5	91,2	9,9
		-5	80	16,8	16,9	87,2	8
		0	70	16,5	22,9	82,6	6,2
		5	70	17	31,6	80,1	4,6
CADB-HE 16	1.600	-10	80	17,2	10,6	90,8	13,1
		-5	80	16,7	17,2	86,8	10,7
		0	70	16,4	23,1	82,2	8,3
		5	70	17	31,7	79,9	6,1
CADB-HE 21	2.100	-10	80	18,1	10	93,6	17,5
		-5	80	17,5	16,2	89,8	14,3
		0	70	17,1	22,1	85,4	11,1
		5	70	17,4	31,2	83	8,2
CADT-HE 33	3.300	-10	80	16,7	12	88,9	28,4
		-5	80	16,8	17,6	87,1	23,4
		0	70	17	22	85,0	18,4
		5	70	17,3	30,9	82,0	13,5
CADT-HE 45	4.500	-10	80	17,2	11,7	90,6	39,5
		-5	80	17,2	17,1	89	32,6
		0	70	17,5	21,4	87,3	25,8
		5	70	17,7	30,1	84,8	19
CADT-HE 60	6.100	-10	80	17,2	11,7	90,5	53,5
		-5	80	17,2	17,1	88,9	44,2
		0	70	17,4	21,4	87,2	34,9
		5	70	17,7	30,1	84,8	25,7

\*For indoor temperature 20°C 50%



**RECOVERY EFFICIENCY OF WATER COILS RELATIVE TO OUTDOOR TEMPERATURE AND AIRFLOW (DC MODELS)\***

Model	Water T. In/Out (°C)	Airflow (m³/h)	AIR			WATER	
			Power (kW)	Out. T (°C)	Out. RH (%)	Water flow (l/h)	Press. Drop (KPa)
CADB-HE DC 04	80/60	400	2,7	36,7	8	115	2
		280	2,1	39,4	7	92	2
	70/60	400	2,5	35,6	8	217	6
		280	2,0	38,1	7	172	4
	50/45	400	1,6	28,8	12	277	10
		280	1,3	30,4	11	220	7
CADB-HE DC 08	80/60	800	5,1	35,7	8	218	5
		560	4,1	38,6	7	175	3
	70/60	800	4,8	34,7	9	415	14
		560	3,8	37,2	8	330	9
	50/45	800	3,1	28,3	13	530	22
		560	2,4	29,8	12	422	15
CADB-HE DC 12	80/60	1200	7,1	34,3	9	304	2
		840	5,7	36,8	8	244	2
	70/60	1200	6,7	33,5	9	581	7
		840	5,4	35,9	8	465	5
	50/45	1200	4,3	27,5	13	743	11
		840	3,4	29,0	12	594	8
CADB-HE DC16	80/60	1600	8,6	32,8	10	370	6
		1120	6,9	35,2	9	298	3
	70/60	1600	8,3	32,2	10	370	15
		1120	6,6	34,5	9	298	10
	50/45	1600	5,3	26,7	14	370	25
		1120	4,2	28,2	13	298	17
CADB-HE DC 21	80/60	2100	12,6	34,6	9	542	3
		1470	10,1	37,1	8	433	2
	70/60	2100	12,2	34,0	9	1050	11
		1470	9,7	36,4	8	837	8
	50/45	2100	7,8	27,9	13	1342	18
		1470	6,2	29,4	12	1070	12
CADT-HE DC 33	80/60	3300	18,2	33,2	10	780	2
		2300	14,6	35,6	8	627	1
	70/60	3300	17,4	32,5	10	1496	5
		2300	14,0	34,8	9	1200	4
	50/45	3300	11,1	26,9	14	1912	9
		2300	8,9	28,4	13	1532	6
CADT-HE DC 45	80/60	4500	25,6	33,7	9	1100	6
		3150	20,6	36,2	8	886	4
	70/60	4500	24,2	32,8	10	2082	16
		3150	19,5	35,1	9	1673	12
	50/45	4500	15,5	27,1	14	2660	27
		3150	12,4	28,6	12	2135	18
CADT-HE DC 60	80/60	6100	34,7	33,7	9	1491	3
		4300	28,1	36,2	8	1206	2
	70/60	6100	33,1	32,9	10	2847	10
		4300	26,7	35,2	9	2295	7
	50/45	6100	21,1	27,2	13	3640	16
		4300	17,0	28,6	12	2932	10

\* Condiciones de entrada de aire a batería (salida del recuperador) = 17°C 25% HR.

# CONFIGURABLE HIGH-EFFICIENCY HEAT RECOVERY UNITS

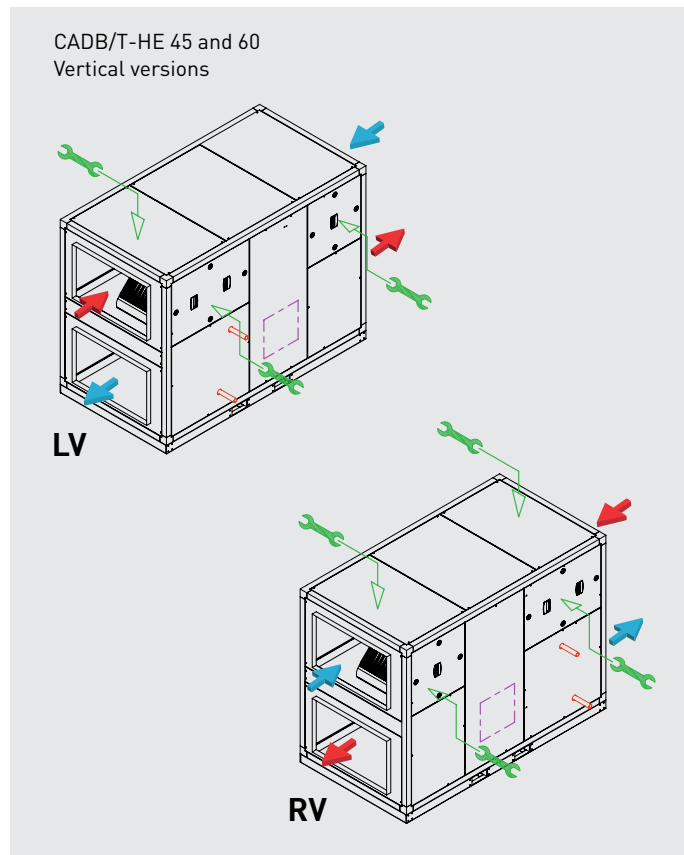
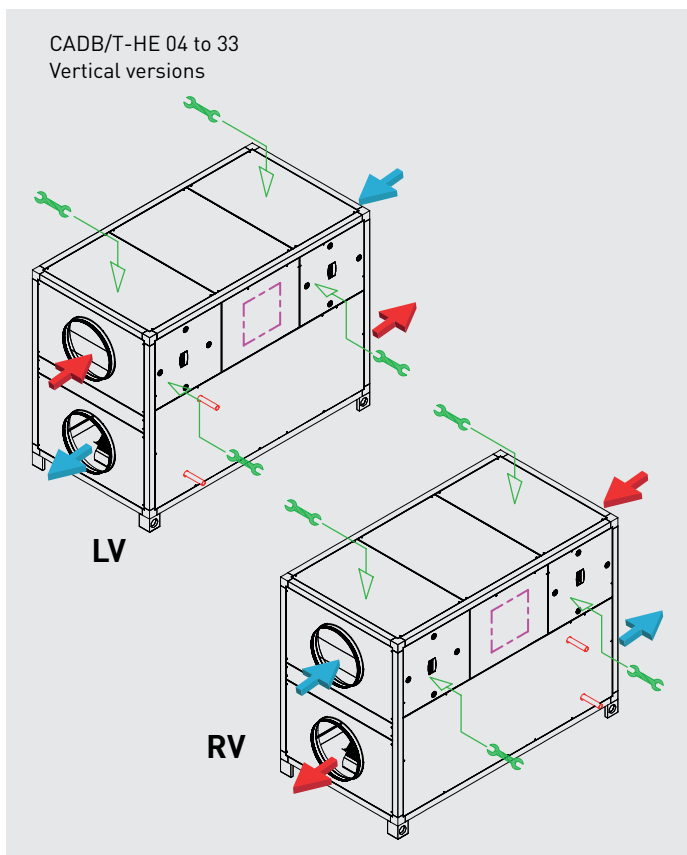
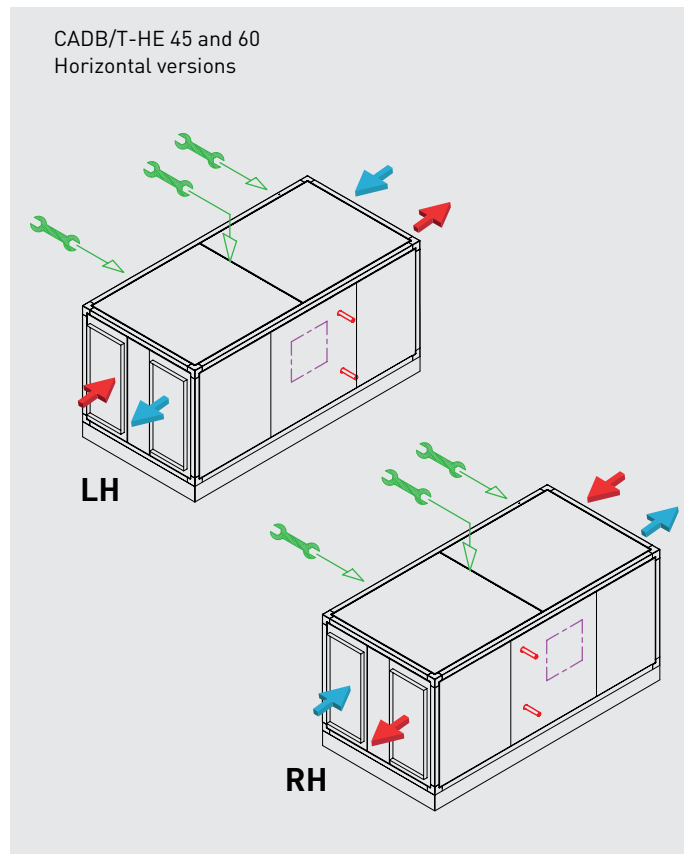
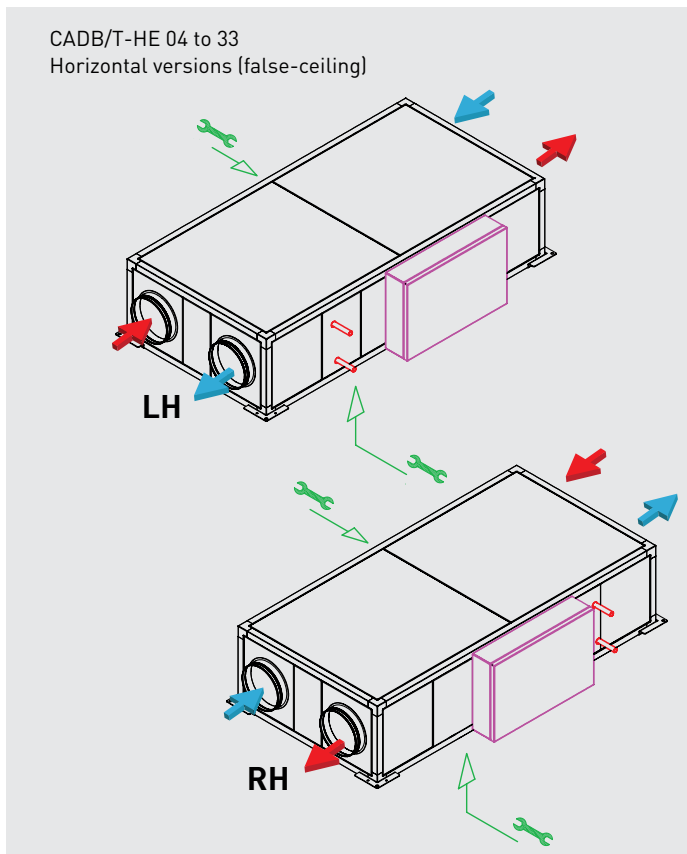
## CADB/T-HE PRO-REG Series



### STANDARD CONFIGURATIONS CADB/T-HE D/DC/DI PRO-REG

Based on these standard configurations other configurations can be quickly adapted by the installer.

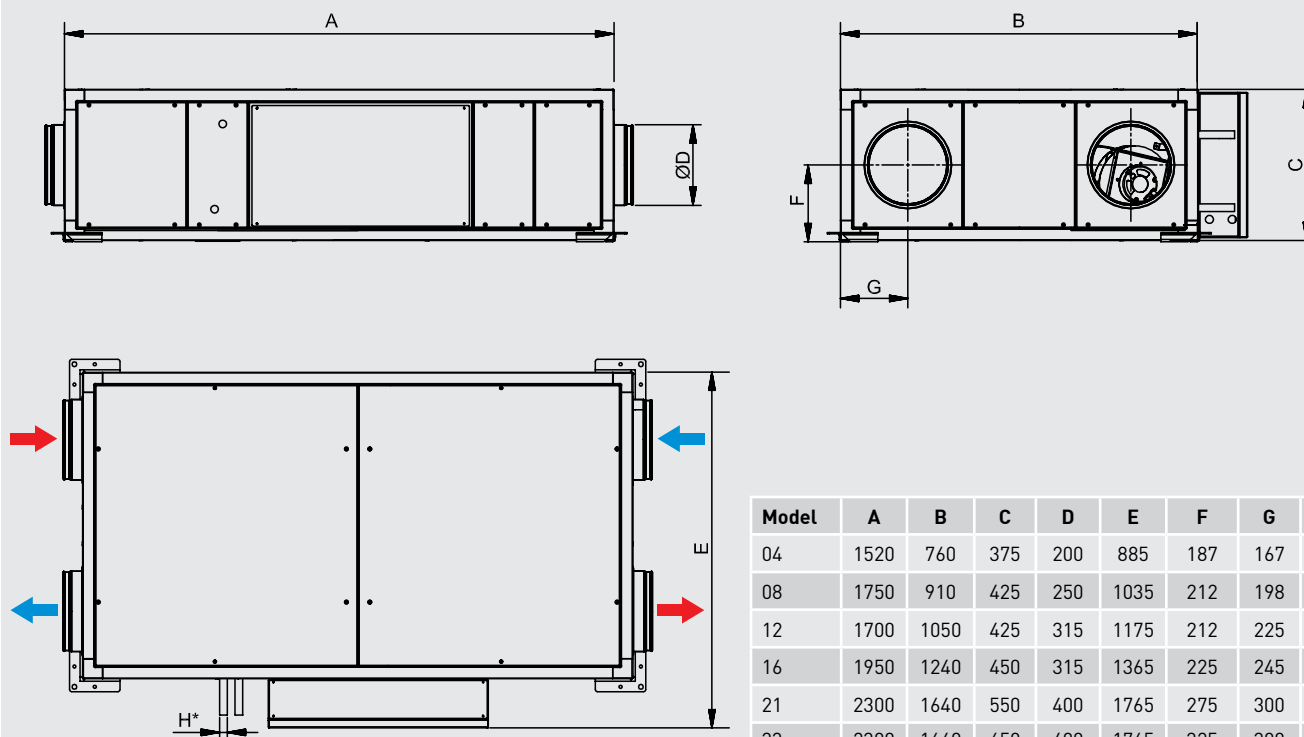
	EXTRACT AIR		MAINTENANCE
	INLET AIR		CONTROL PANEL POSITION
	WATER CONNECTIONS		



**DIMENSIONS (mm)**

**CADB/T-HE 04 to 33 LH**

→ EXTRACT AIR   ← INLET AIR

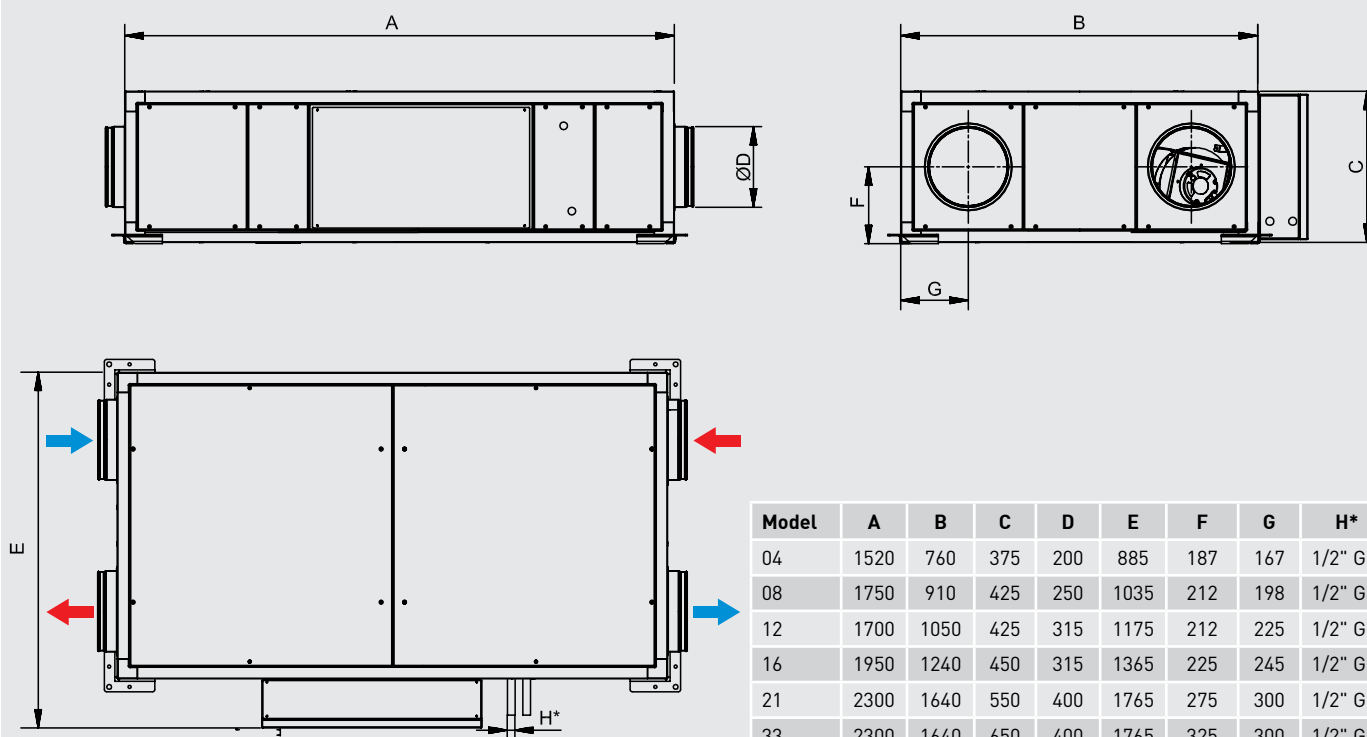


Model	A	B	C	D	E	F	G	H*
04	1520	760	375	200	885	187	167	1/2" GM
08	1750	910	425	250	1035	212	198	1/2" GM
12	1700	1050	425	315	1175	212	225	1/2" GM
16	1950	1240	450	315	1365	225	245	1/2" GM
21	2300	1640	550	400	1765	275	300	1/2" GM
33	2300	1640	650	400	1765	325	300	1/2" GM

H\*: Only in DC versions

**CADB/T-HE 04 to 33 RH**

→ EXTRACT AIR   ← INLET AIR



Model	A	B	C	D	E	F	G	H*
04	1520	760	375	200	885	187	167	1/2" GM
08	1750	910	425	250	1035	212	198	1/2" GM
12	1700	1050	425	315	1175	212	225	1/2" GM
16	1950	1240	450	315	1365	225	245	1/2" GM
21	2300	1640	550	400	1765	275	300	1/2" GM
33	2300	1640	650	400	1765	325	300	1/2" GM

H\*: Only in DC versions

**DIMENSIONS (mm)**

**CADB/T-HE 45 and 60 LH**      EXTRACT AIR      INLET AIR

Model	A	B	C	E*	F	G	H	I
45	2100	1500	1200	3/4" GM	339	164	400	600
60	2250	1550	1580	3/4" GM	479	74	600	700

E\*: Only in DC versions

**CADB/T-HE 45 and 60 RH**      EXTRACT AIR      INLET AIR

Model	A	B	C	E*	F	G	H	I
45	2100	1500	1200	3/4" GM	339	164	400	600
60	2250	1550	1580	3/4" GM	479	74	600	700

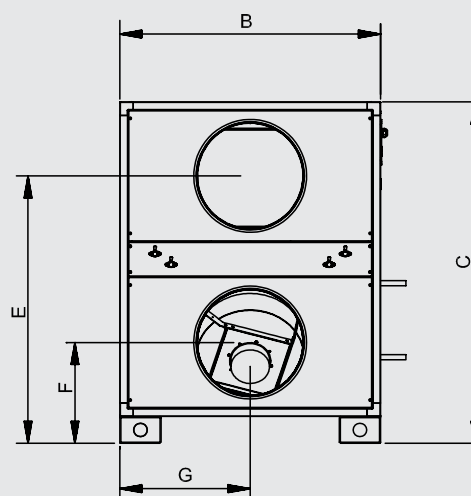
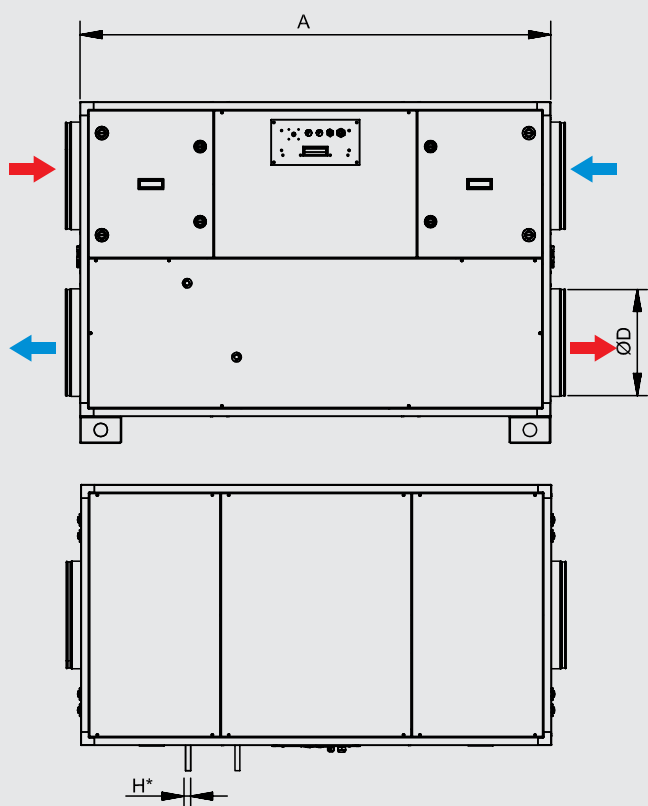
E\*: Only in DC versions

**DIMENSIONS (mm)**

**CADB/T-HE 04 to 33 LV**

→ EXTRACT AIR

← INLET AIR



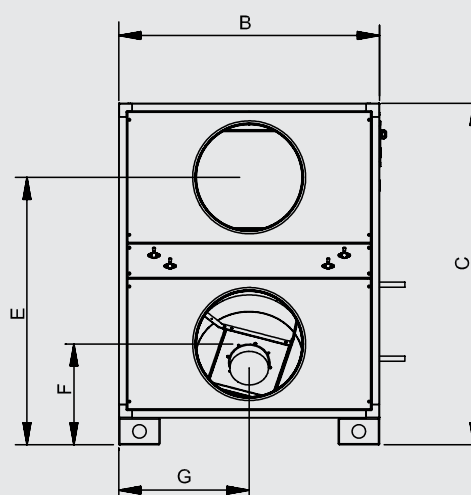
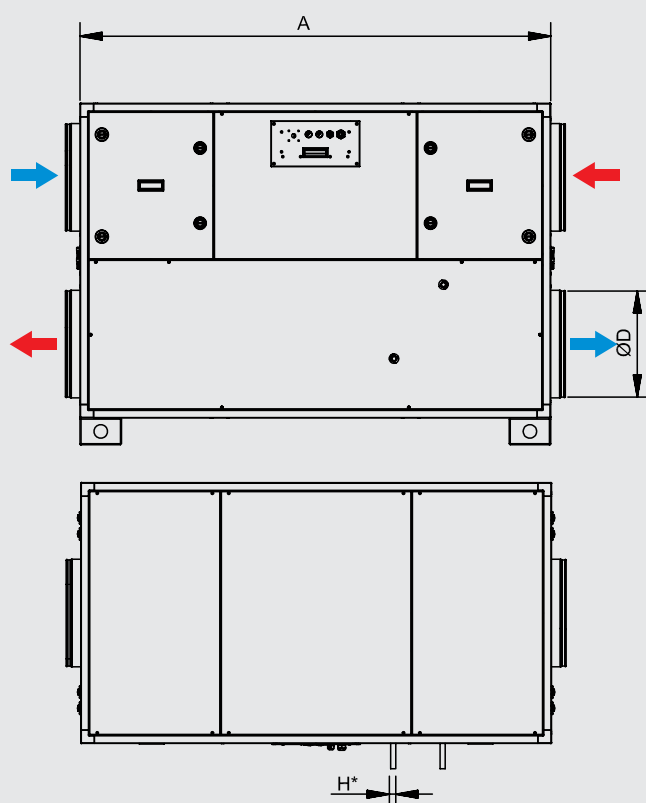
Model	A	B	C	D	E	F	G	H*
04	1125	540	920	200	732	287	270	1/2" GM
08	1275	610	1020	250	808	312	305	1/2" GM
12	1325	770	1020	315	808	312	385	1/2" GM
16	1475	770	1070	315	845	325	385	1/2" GM
21	1750	970	1270	400	995	375	485	1/2" GM
33	1750	1170	1270	400	995	375	585	1/2" GM

H\*: Only in DC versions

**CADB/T-HE 04 to 33 RV**

→ EXTRACT AIR

← INLET AIR

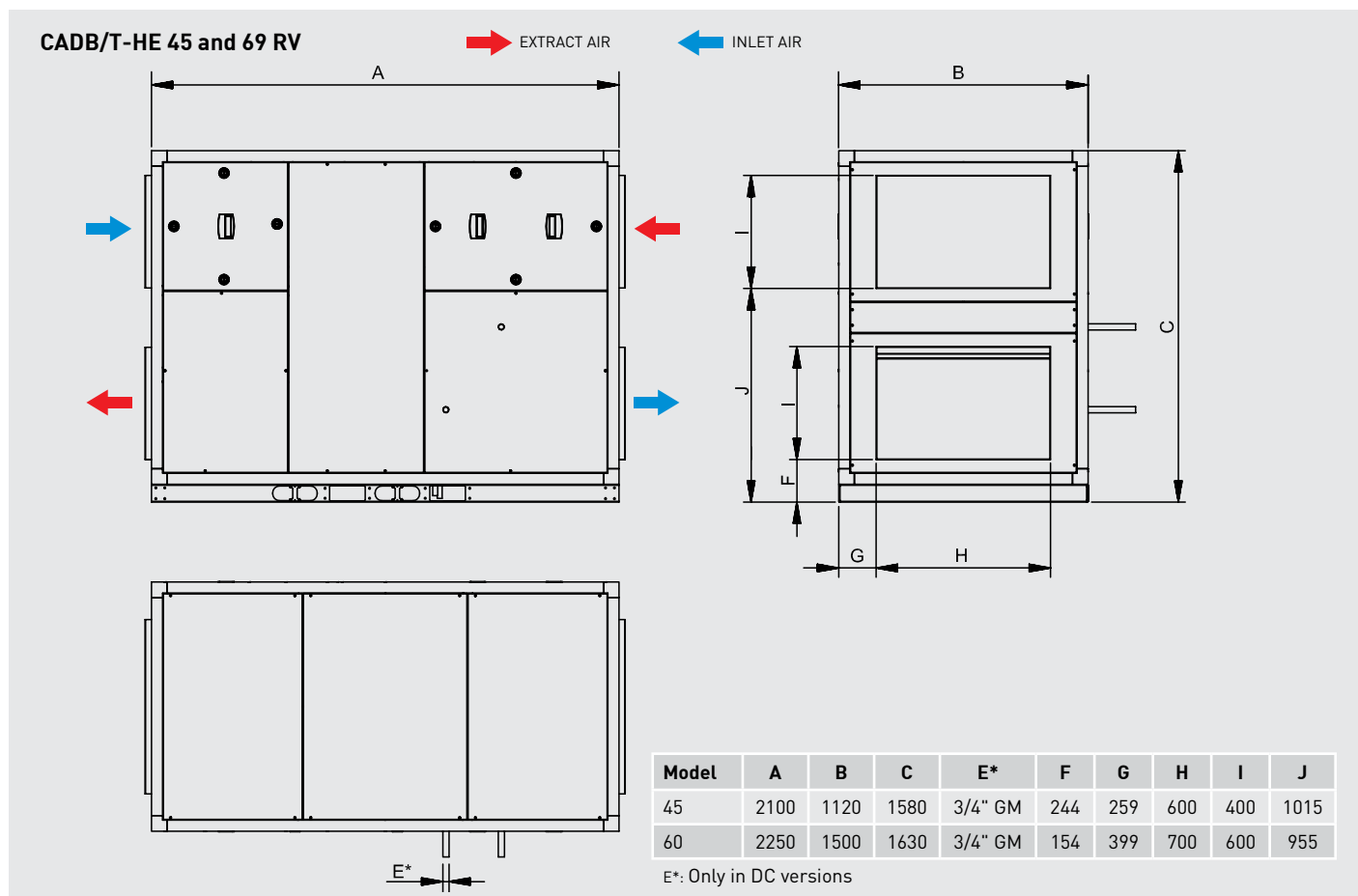
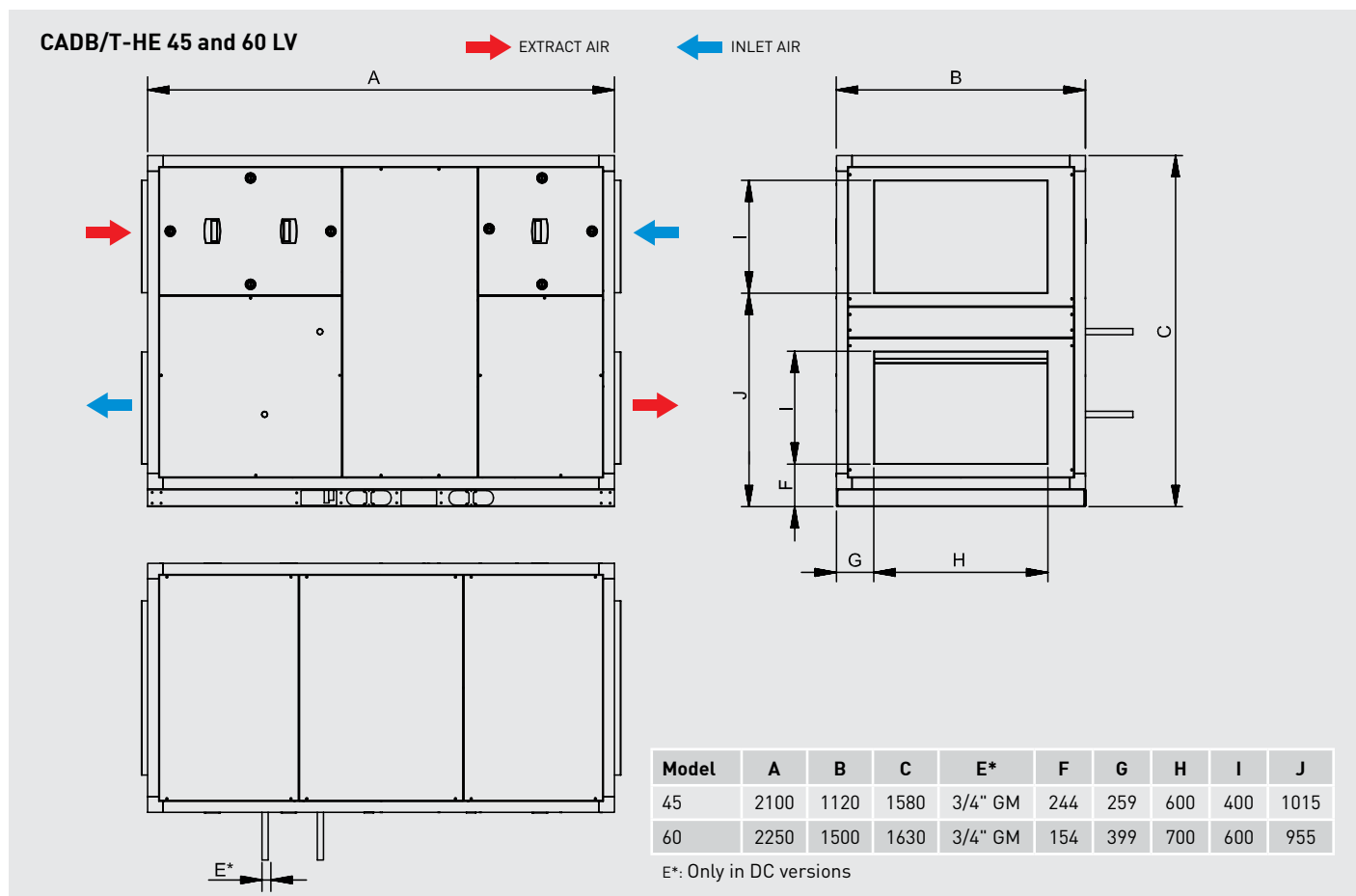


Model	A	B	C	D	E	F	G	H*
04	1125	540	920	200	732	287	270	1/2" GM
08	1275	610	1020	250	808	312	305	1/2" GM
12	1325	770	1020	315	808	312	385	1/2" GM
16	1475	770	1070	315	845	325	385	1/2" GM
21	1750	970	1270	400	995	375	485	1/2" GM
33	1750	1170	1270	400	995	375	585	1/2" GM

H\*: Only in DC versions



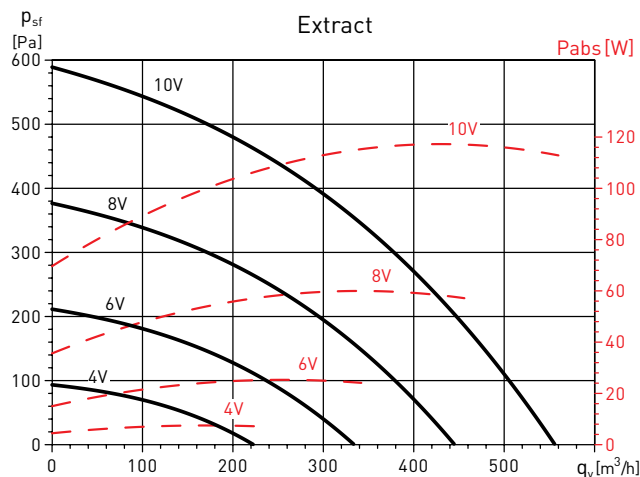
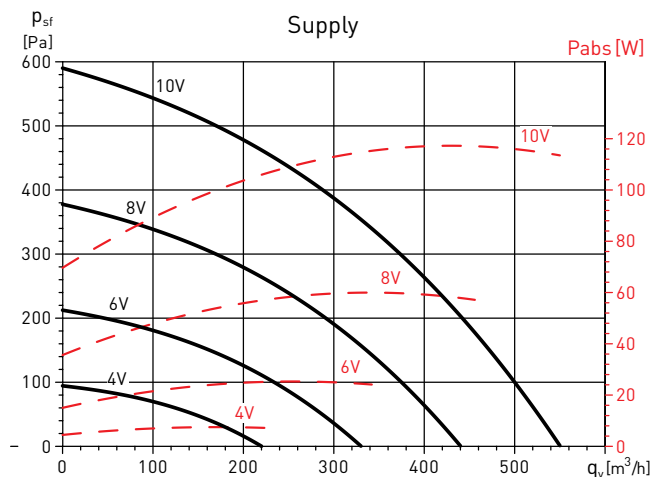
**DIMENSIONS (mm)**



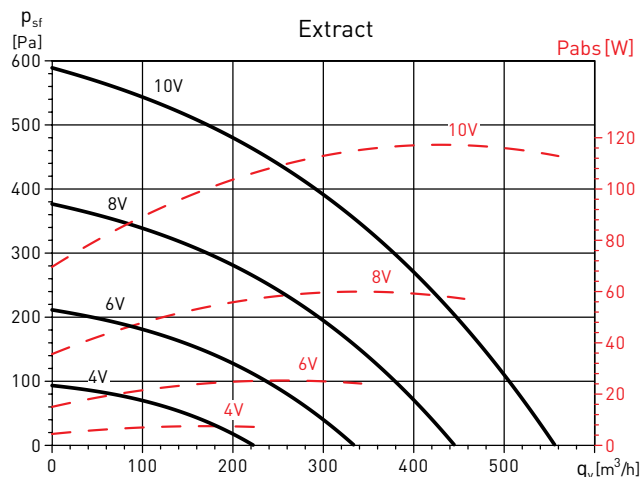
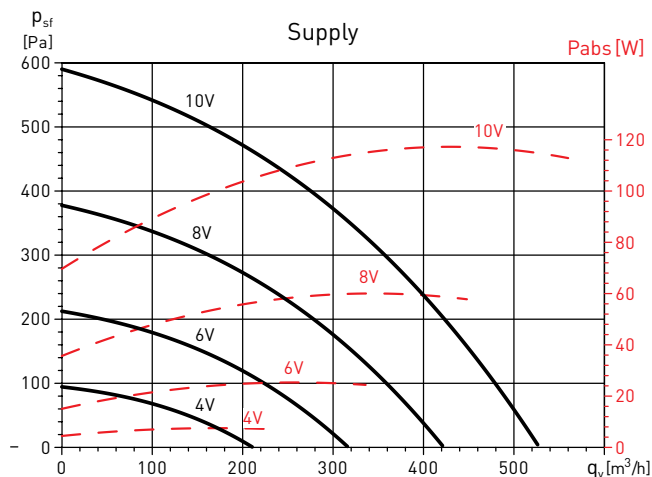
**PERFORMANCE CURVES**

- $q_v$ : Airflow in  $m^3/h$  and  $m^3/s$
- $p_{sf}$ : Static pressure in Pa
- $P_{abs}$ : Absorbed power at maximum speed (W)
- Dry air at  $20^\circ C$  and  $760\text{ mmHg}$
- Performance data in accordance with ISO 5801 and AMCA 210-99 Standards
- Absorbed power corresponding to a single circuit

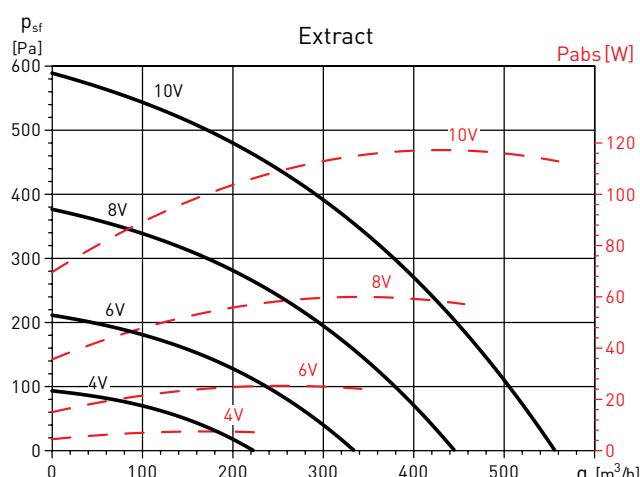
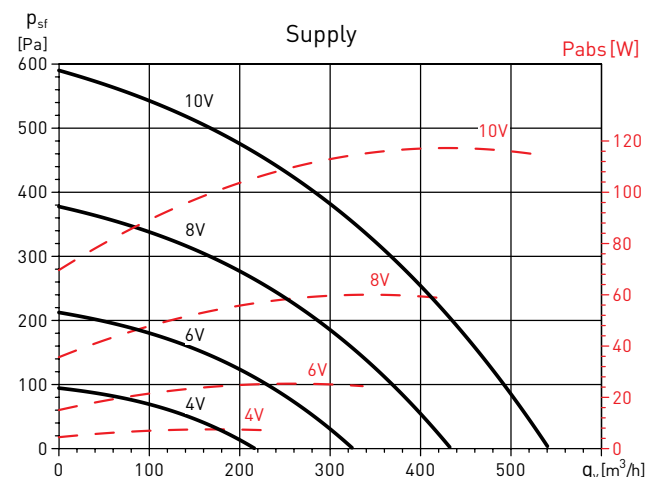
**CADB-HE-D 04**



**CADB-HE-DC 04**



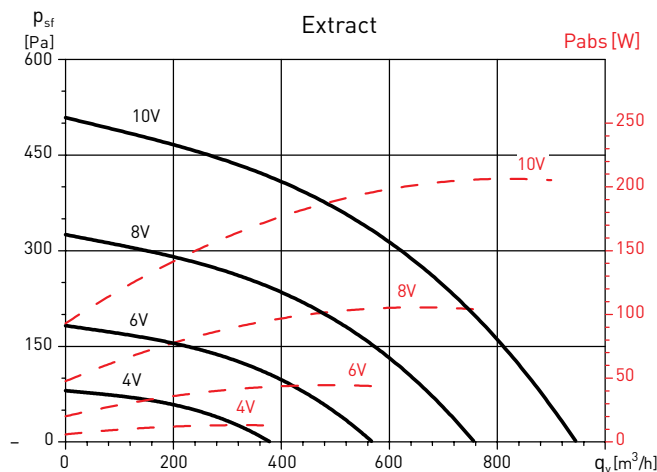
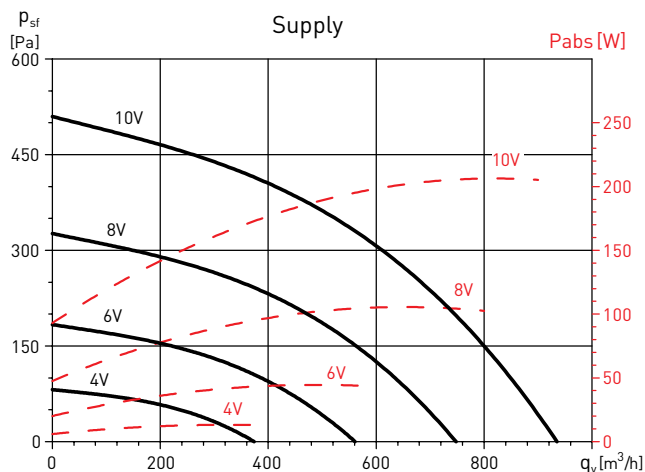
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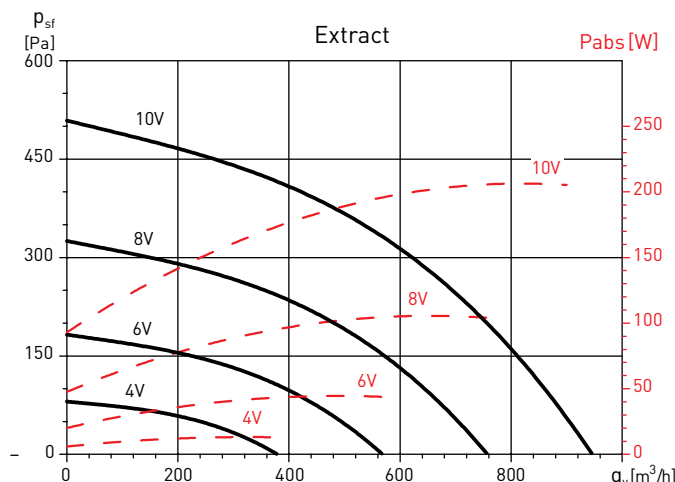
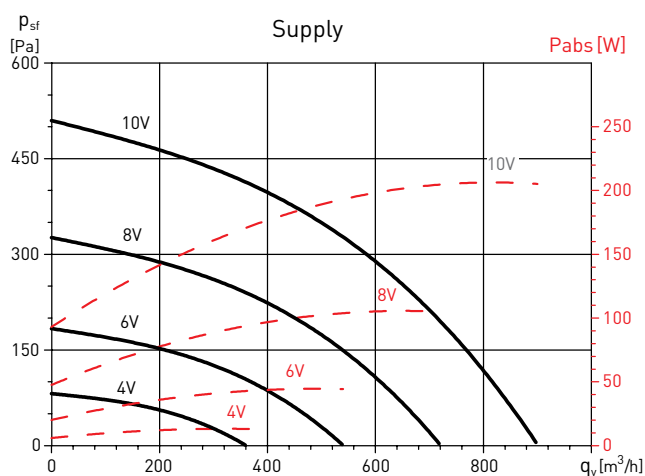
**PERFORMANCE CURVES**

- $q_v$ : Airflow in  $m^3/h$  and  $m^3/s$
- $p_{sf}$ : Static pressure in Pa
- $P_{abs}$ : Absorbed power at maximum speed (W)
- Dry air at 20°C and 760 mmHg
- Performance data in accordance with ISO 5801 and AMCA 210-99 Standards
- Absorbed power corresponding to a single circuit

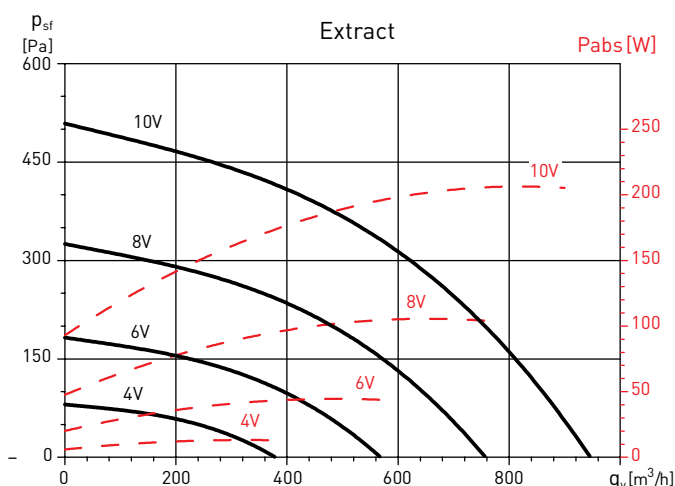
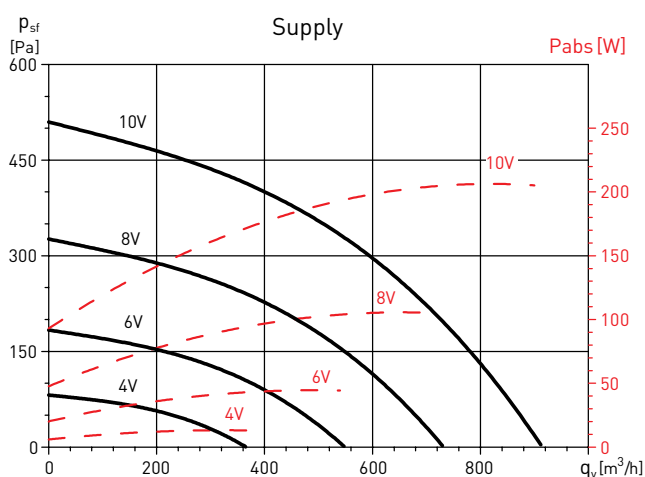
**CADB-HE-D 08**



**CADB-HE-DC 08**



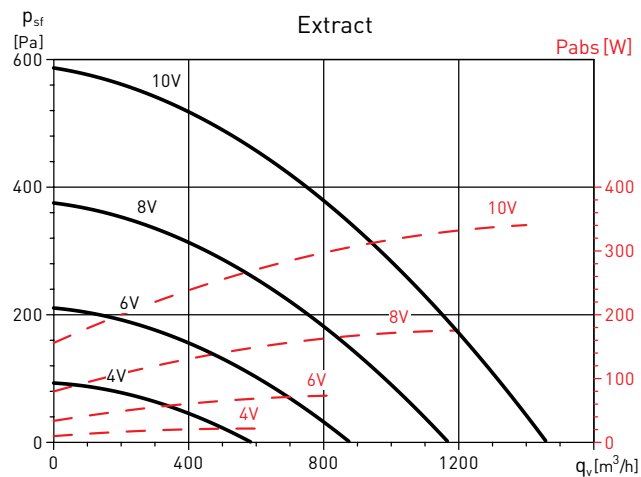
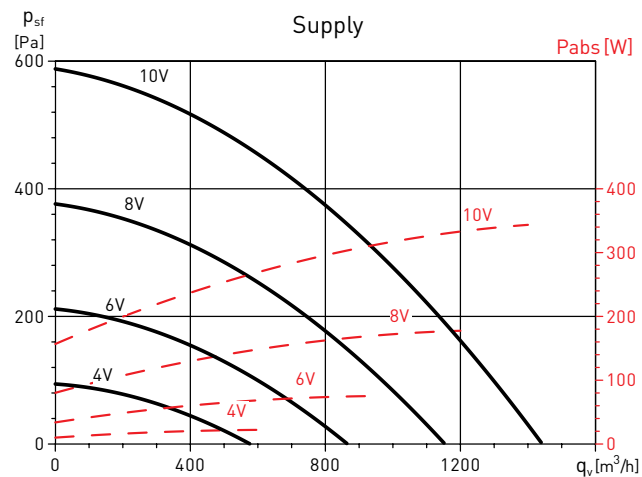
**CADB-HE-DI 08**



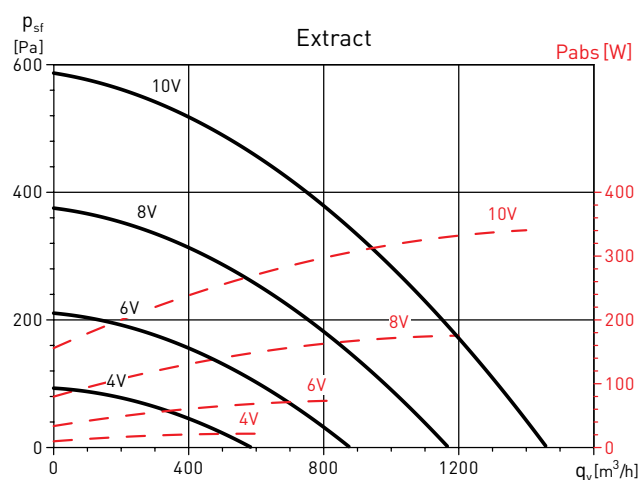
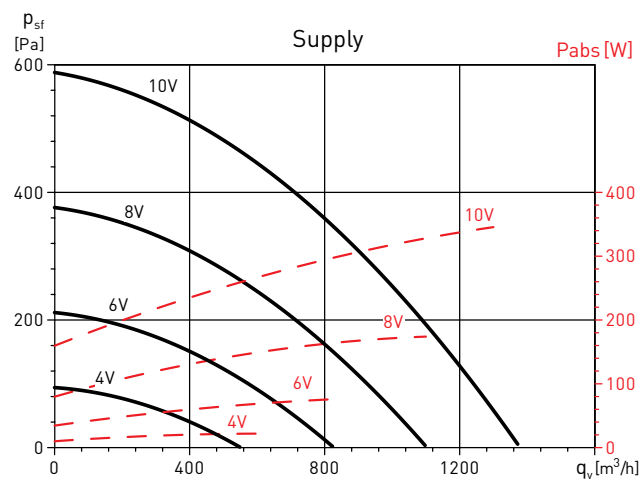
**PERFORMANCE CURVES**

- $q_v$ : Airflow in  $m^3/h$  and  $m^3/s$
- $p_{sf}$ : Static pressure in Pa
- $P_{abs}$ : Absorbed power at maximum speed (W)
- Dry air at 20°C and 760 mmHg
- Performance data in accordance with ISO 5801 and AMCA 210-99 Standards
- Absorbed power corresponding to a single circuit

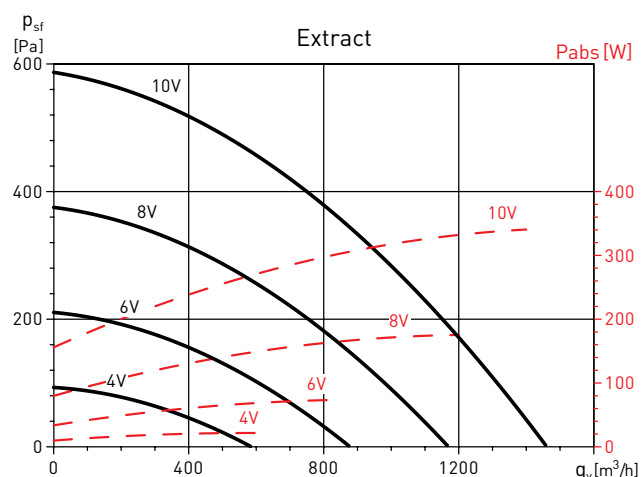
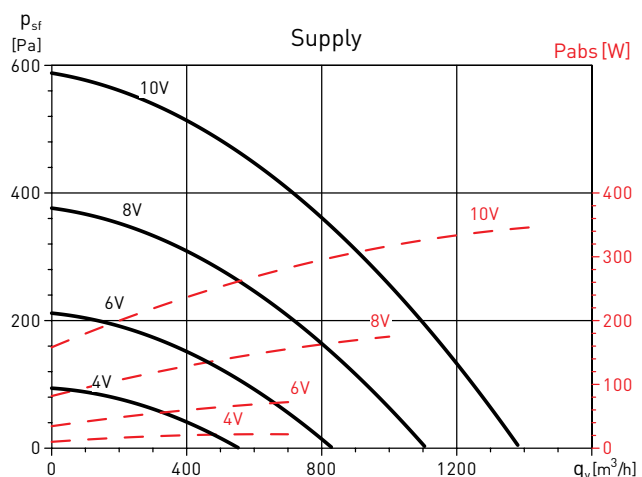
**CADB-HE-D 12**



**CADB-HE-DC 12**



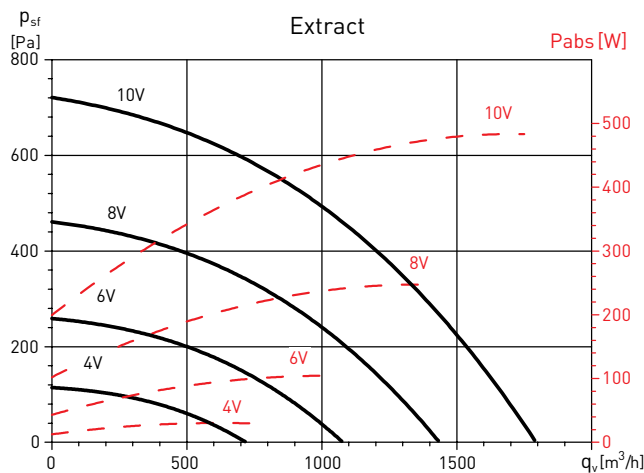
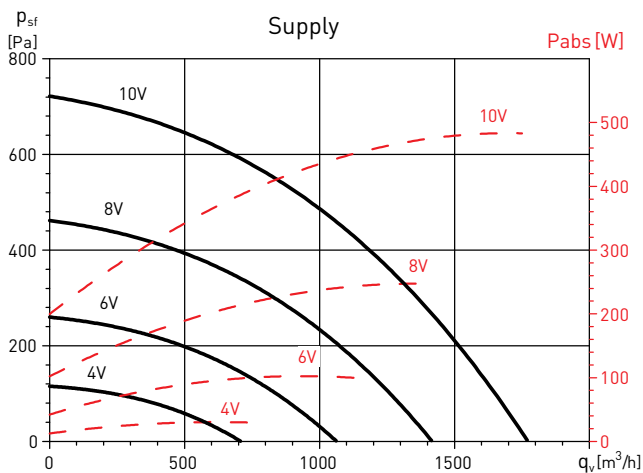
**CADB-HE-DI 12**



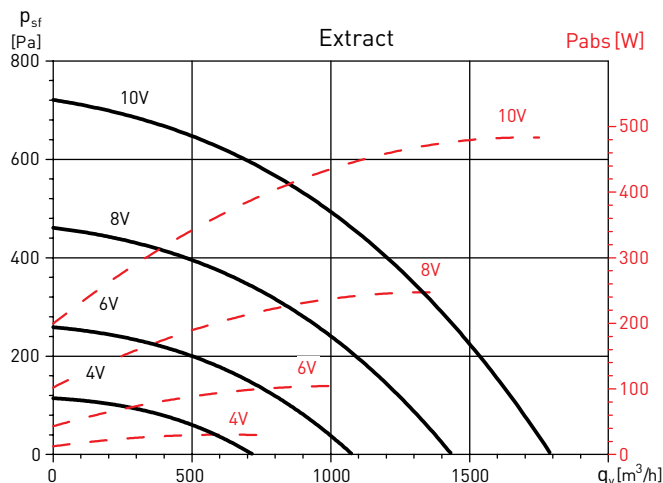
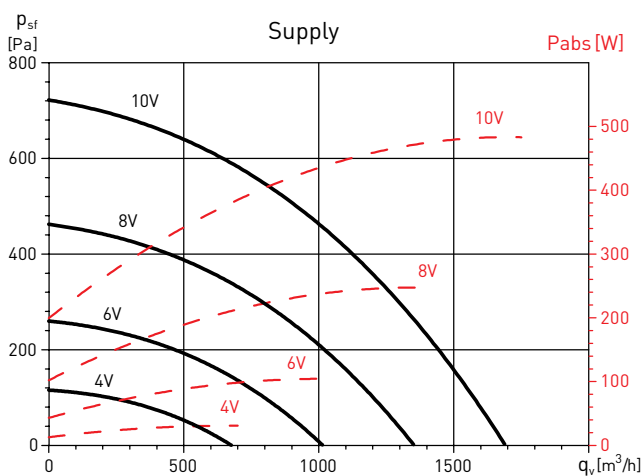
**PERFORMANCE CURVES**

- $q_v$ : Airflow in  $m^3/h$  and  $m^3/s$
- $p_{sf}$ : Static pressure in Pa
- $P_{abs}$ : Absorbed power at maximum speed (W)
- Dry air at 20°C and 760 mmHg
- Performance data in accordance with ISO 5801 and AMCA 210-99 Standards
- Absorbed power corresponding to a single circuit

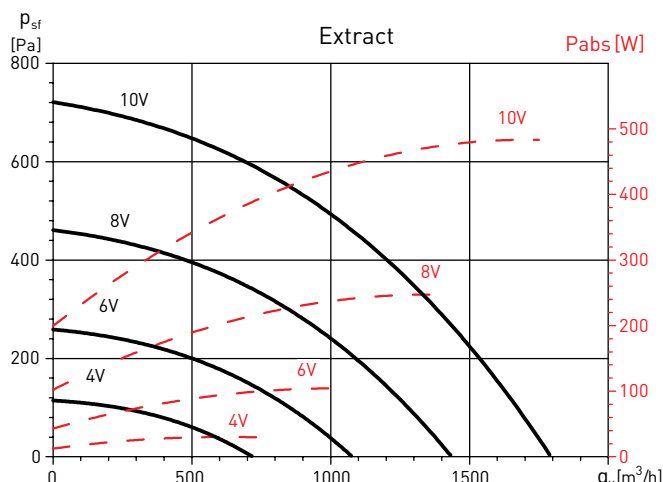
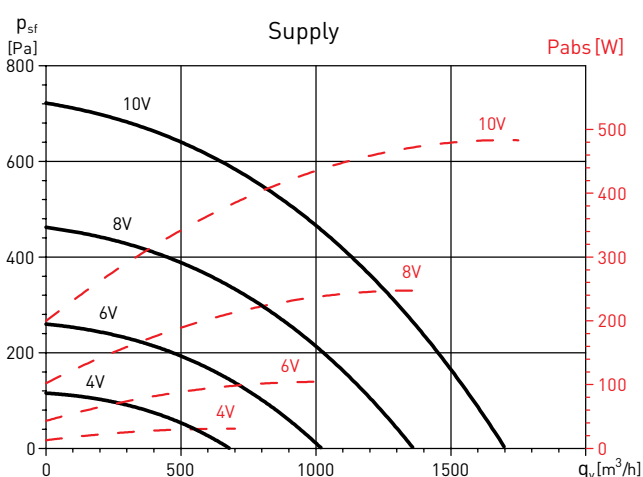
**CADB-HE-D 16**



**CADB-HE-DC 16**



**CADB-HE-DI 16**

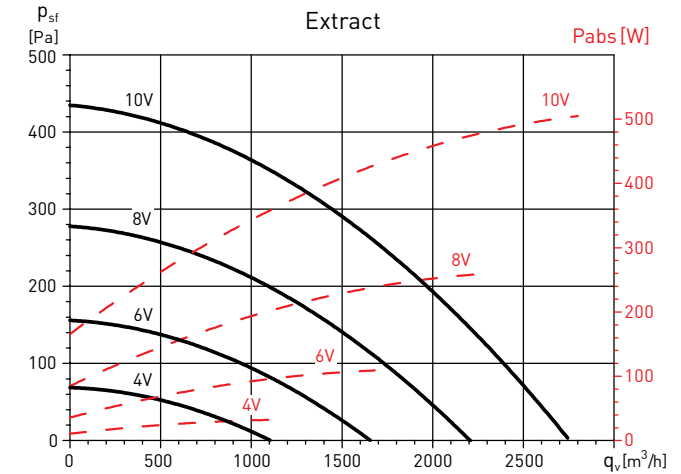
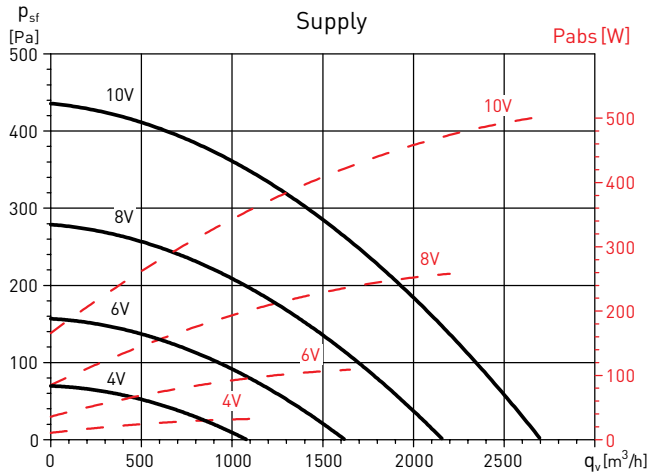




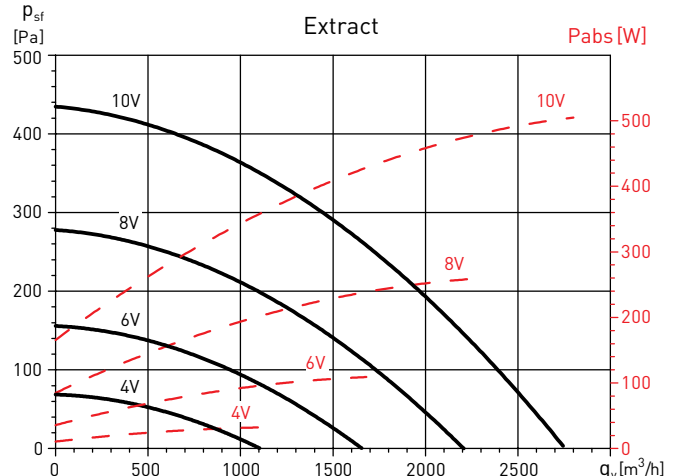
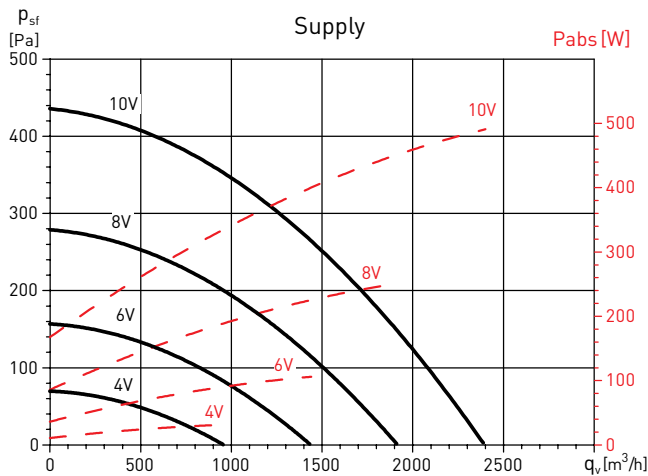
**PERFORMANCE CURVES**

- $q_v$ : Airflow in  $m^3/h$  and  $m^3/s$
- $p_{sf}$ : Static pressure in Pa
- $P_{abs}$ : Absorbed power at maximum speed (W)
- Dry air at  $20^\circ C$  and  $760$  mmHg
- Performance data in accordance with ISO 5801 and AMCA 210-99 Standards
- Absorbed power corresponding to a single circuit

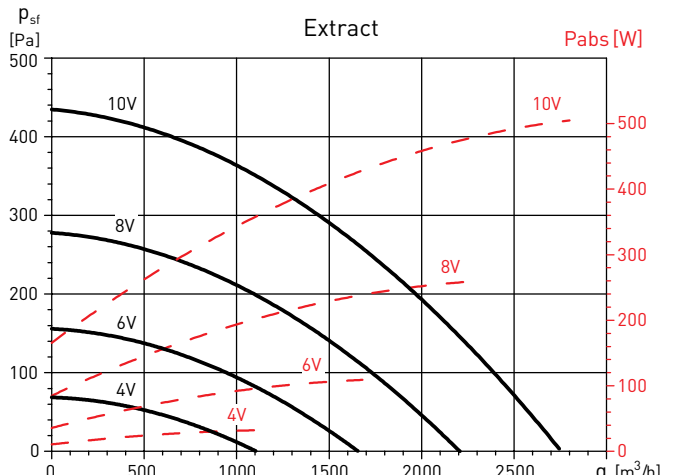
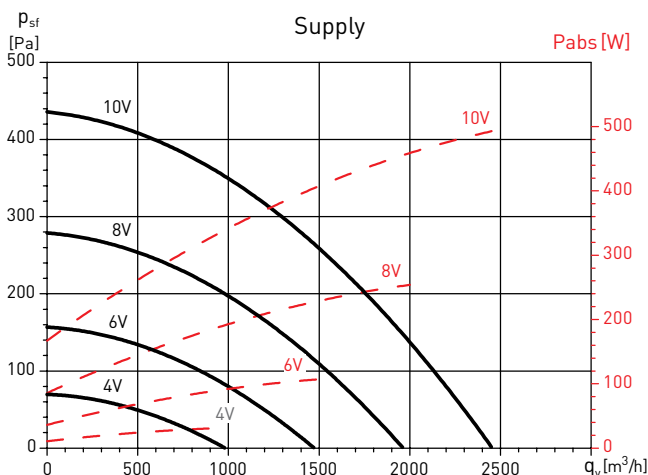
**CADB-HE-D 21**



**CADB-HE-DC 21**



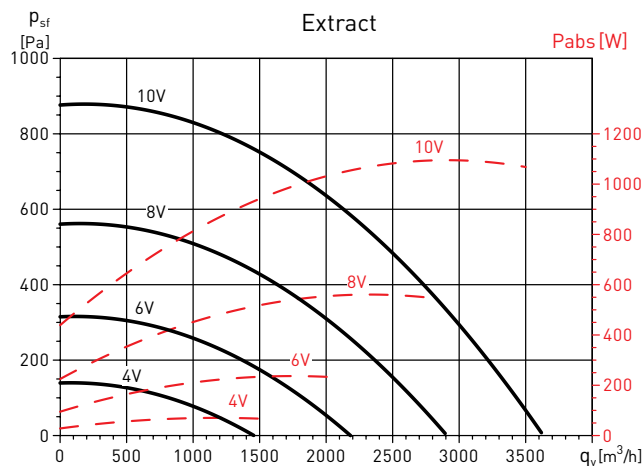
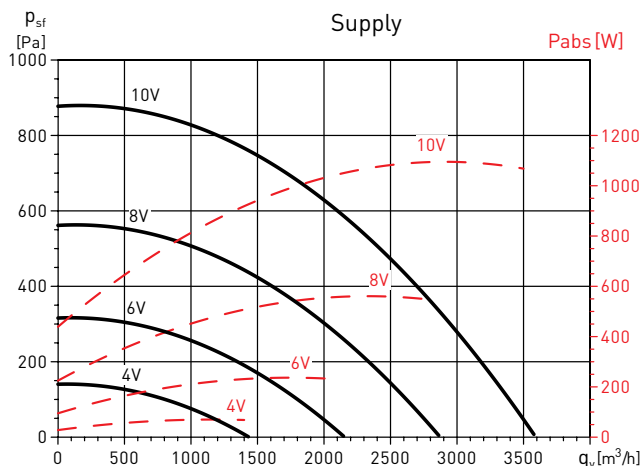
**CADT-HE-DI 21**



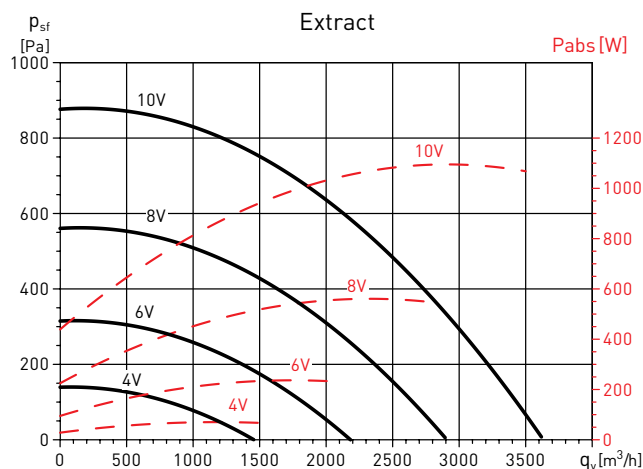
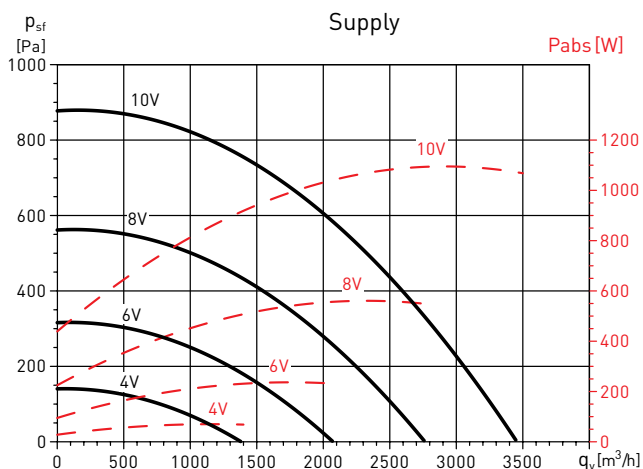
**PERFORMANCE CURVES**

- $q_v$ : Airflow in  $m^3/h$  and  $m^3/s$
- $p_{sf}$ : Static pressure in Pa
- $P_{abs}$ : Absorbed power at maximum speed (W)
- Dry air at  $20^\circ C$  and  $760$  mmHg
- Performance data in accordance with ISO 5801 and AMCA 210-99 Standards
- Absorbed power corresponding to a single circuit

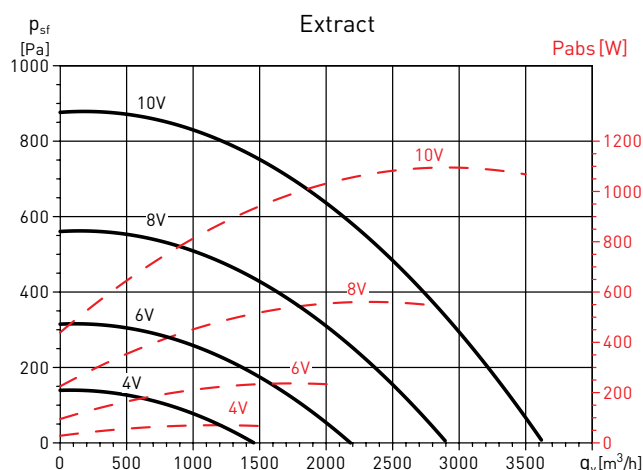
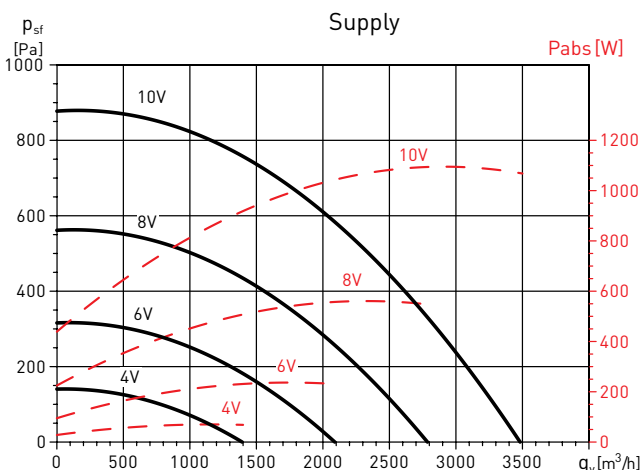
**CADT-HE-D 33**



**CADT-HE-DC 33**



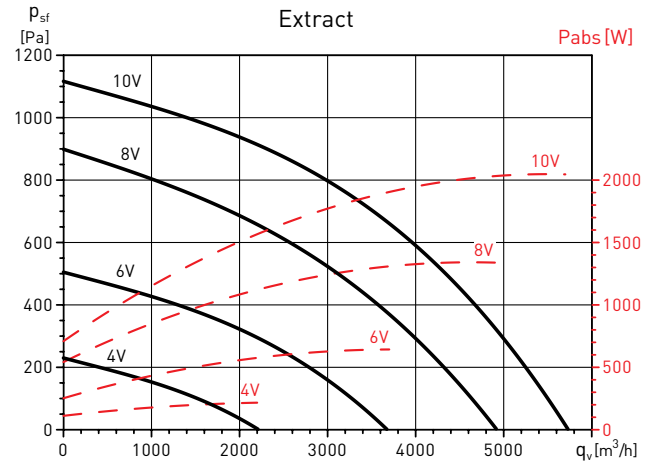
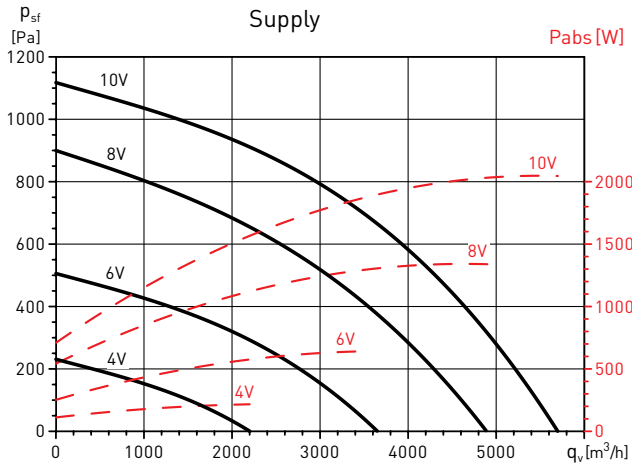
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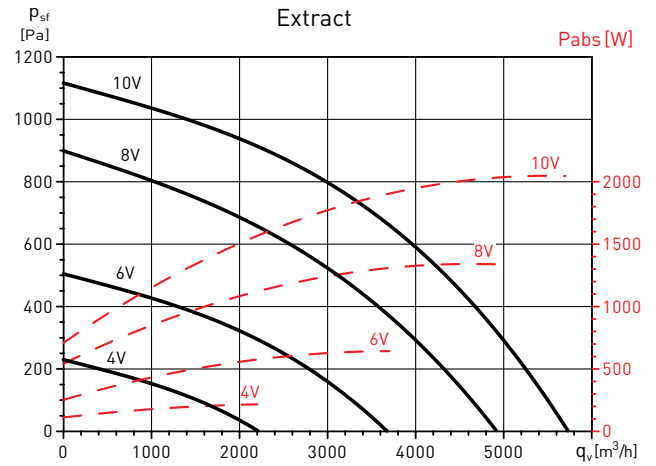
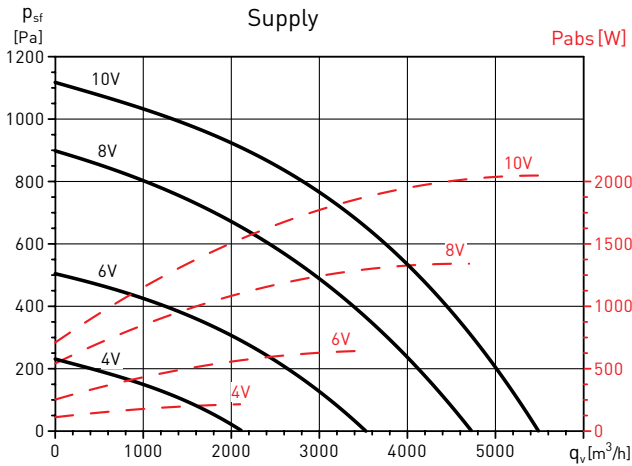
**PERFORMANCE CURVES**

- $q_v$ : Airflow in  $m^3/h$  and  $m^3/s$
- $p_{sf}$ : Static pressure in Pa
- $P_{abs}$ : Absorbed power at maximum speed (W)
- Dry air at  $20^\circ C$  and  $760\text{ mmHg}$
- Performance data in accordance with ISO 5801 and AMCA 210-99 Standards
- Absorbed power corresponding to a single circuit

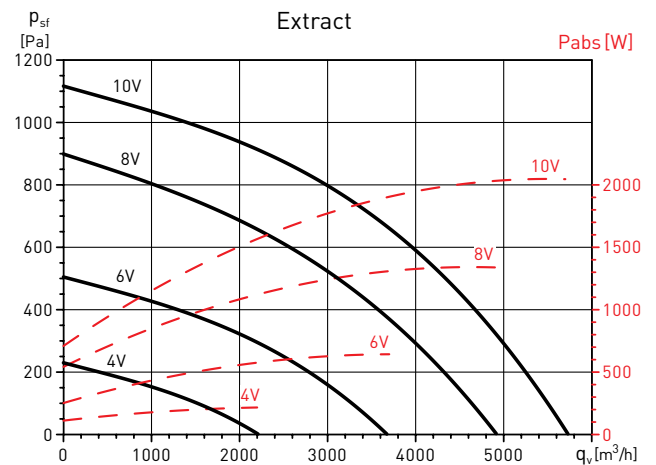
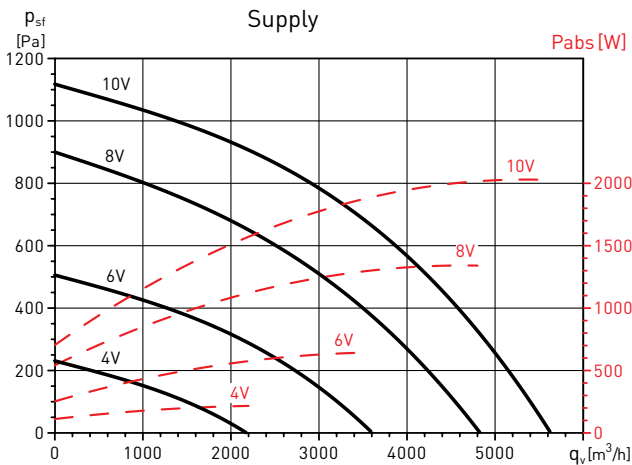
**CADT-HE-D 45**



**CADT-HE-DC 45**



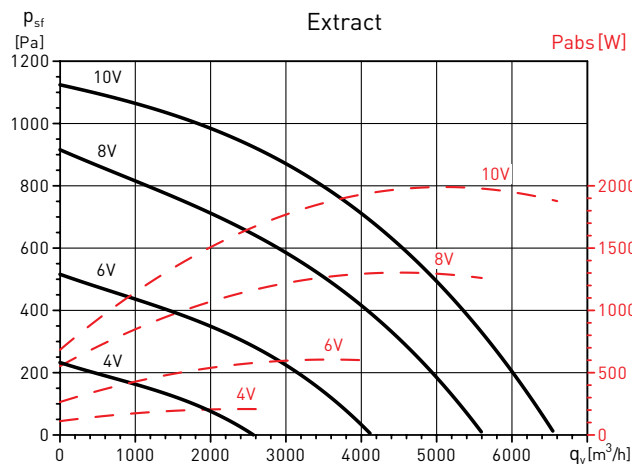
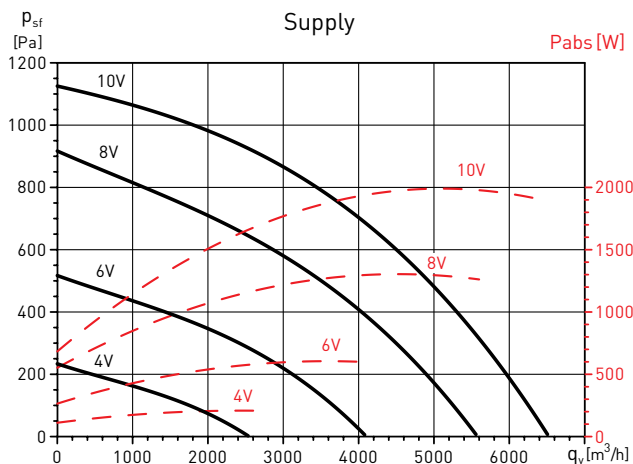
**CADT-HE-DI 45**



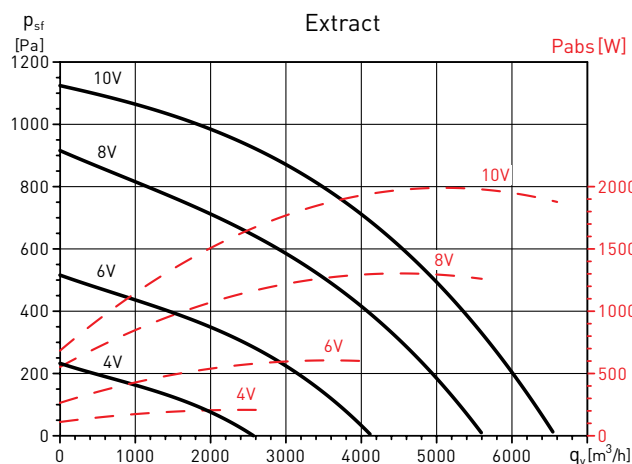
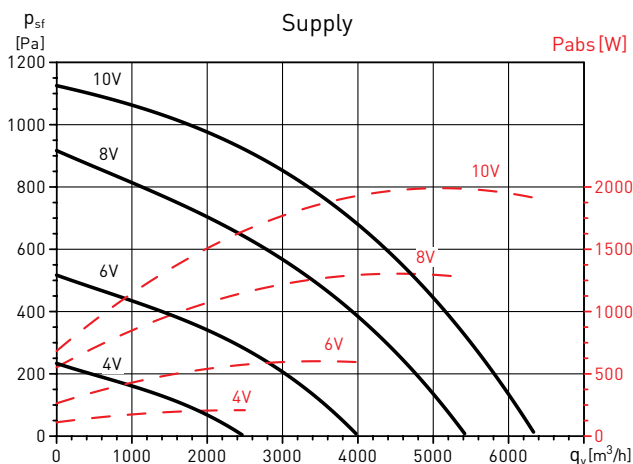
**PERFORMANCE CURVES**

- $q_v$ : Airflow in  $m^3/h$  and  $m^3/s$
- $p_{sf}$ : Static pressure in Pa
- $P_{abs}$ : Absorbed power at maximum speed (W)
- Dry air at  $20^\circ C$  and  $760\text{ mmHg}$
- Performance data in accordance with ISO 5801 and AMCA 210-99 Standards
- Absorbed power corresponding to a single circuit

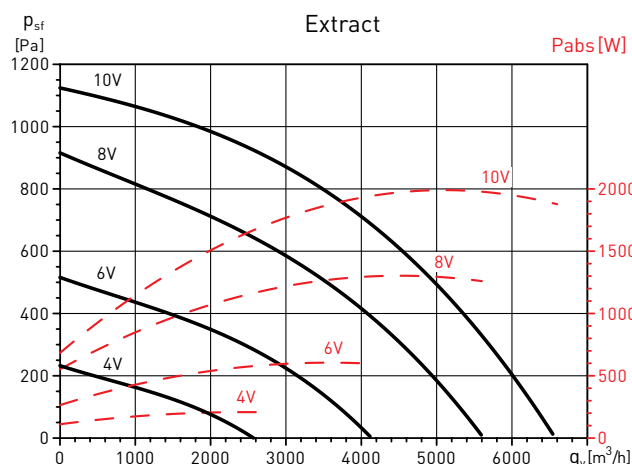
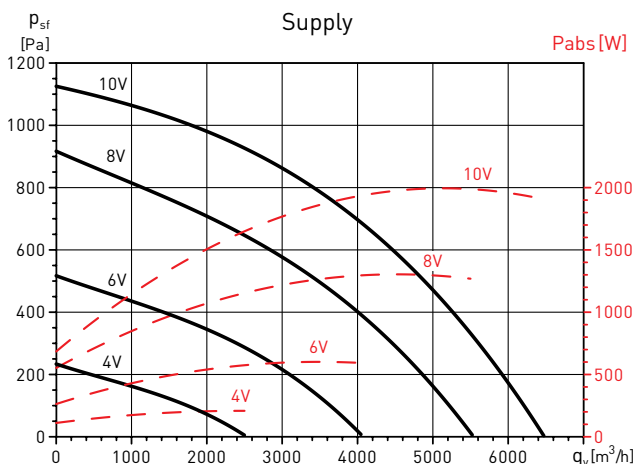
**CADT-HE-D 60**



**CADT-HE-DC 60**



**CADT-HE-DI 60**



**SPECIFIC ACCESSORIES FOR CADB-HE RANGE CADB-HE**

Heat recovery units are complemented with a wide range of air treatment accessories, specifically design to integrate in the supply inlet.

**Module for air purification, specific for areas with high environmental pollution**



**FB-CA HE**

IAQ module which results in a high efficiency in the elimination of VOC's and particles. Especially suitable for integration in ventilation installations of buildings with high environmental pollution.

**Outdoor filter module**



**FBL-HE**

Filter modules, supplied without filter, to mount filters AFR-HE.

**Cold water coil module**



**BA-AF HE**

External cold water coil module, can also be used for hot water in 2 tube-systems.

**Double coil module (cold water and hot water)**



**BA-AFC HE**

External module that includes a cold water coil and a hot water coil, suitable to be combined with 4 tube-systems.

**Direct expansion coil modules**



**BA-DX HE**

External module that includes a direct expansion coil for R-410A, this allows the integration of the unit in air conditioning systems of the main existing manufacturers.

For more information consult the catalog section SPECIFIC ACCESSORIES FOR CADB-HE RANGE



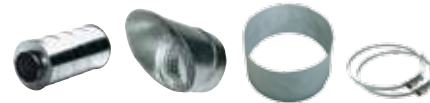
# CONFIGURABLE HIGH-EFFICIENCY HEAT RECOVERY UNITS

## CADB/T-HE PRO-REG Series



### MOUNTING ACCESSORIES

For more information see "Heat recovery accessories" and/or "Mounting accessories".  
Mounting accessories supplied in unpainted galvanized sheet.



Heat Recovery Model	Ø (mm)	AFR-HE (spare filter for CADB/T-HE)				SIL Circular sound attenuators	APC Inlet/outlet protection guards	Circular flexible connector
		AFR-HE G4	AFR-HE M5	AFR-HE F7	AFR-HE F9			
CADB-HE D/DI/DC 04	200	AFR-HE 200/04 G4	AFR-HE 200/04 M5	AFR-HE 200/04 F7	AFR-HE 200/04 F9	SIL-200	APC-200	ACOPEL F400-200/160N
CADB-HE D/DI/DC 08	250	AFR-HE 250/08 G4	AFR-HE 250/08 M5	AFR-HE 250/08 F7	AFR-HE 250/08 F9	SIL-250	APC-250	ACOPEL F400-250/160N
CADB-HE D/DI/DC 12	315	AFR-HE 315/12 G4	AFR-HE 315/12 M5	AFR-HE 315/12 F7	AFR-HE 315/12 F9	SIL-315	APC-315	ACOPEL F400-315/160N
CADB-HE D/DI/DC 16	315	AFR-HE 315/16 G4	AFR-HE 315/16 M5	AFR-HE 315/16 F7	AFR-HE 315/16 F9	SIL-315	APC-315	ACOPEL F400-315/160N
CADB/T-HE D/DI/DC 21	400	AFR-HE 400/21 G4	AFR-HE 400/21 M5	AFR-HE 400/21 F7	AFR-HE 400/21 F9	SIL-400	APC-400	ACOPEL F400-400/160N
CADT-HE D/DI/DC 33	400	AFR-HE 400/33 G4	AFR-HE 400/33 M5	AFR-HE 400/33 F7	AFR-HE 400/33 F9	SIL-400	APC-400	ACOPEL F400-400/160N
CADT-HE D/DI/DC 45	600x400	AFR-HE 450/45 G4	AFR-HE 450/45 M5	AFR-HE 450/45 F7	AFR-HE 450/45 F9	-	-	-
CADT-HE D/DI/DC 60	700x600	AFR-HE 500/60 G4	AFR-HE 500/60 M5	AFR-HE 500/60 F7	AFR-HE 500/60 F9	-	-	-



Heat Recovery Model	Accessories for the control of the battery (DC Versions)	Insulation damper	
	Valve	Damper	On-off actuator/spring return
CADB-HE-DC 04	3WV DN 15 KVS1 PROP 24V	REMV-200	LF-24S
CADB-HE-DC 08	3WV DN 15 KVS1,6 PROP 24V	REMV-250	
CADB-HE-DC 12	3WV DN 15 KVS2,5 PROP 24V	REMV-315	
CADB-HE-DC 16	3WV DN 15 KVS2,5 PROP 24V	REMV-315	
CADB-HE-DC 21	3WV DN 20 KVS4 PROP 24V	REMV-400	
CADT-HE-DC 33	3WV DN 25 KVS6,3 PROP 24V	REMV-400	
CADT-HE-DC 45	3WV DN 25 KVS6,3 PROP 24V	-	
CADT-HE-DC 60	3WV DN 25 KVS10 PROP 24V	-	

**MOUNTING ACCESSORIES**

**TPP-HE**

**Rain protection cowl**

Rain protection cowls are supplied with a finish of galvanized sheet without painting.

Heat recovery unit model	Rain protection cowl model	
	Horizontal (LH / RH)	Vertical (LV / RV)
CADB-HE D/DI/DC 04	TPP-HE-H-04	TPP-HE-V-04
CADB-HE D/DI/DC 08	TPP-HE-H-08	TPP-HE-V-08
CADB-HE D/DI/DC 12	TPP-HE-H-12	TPP-HE-V-12
CADB-HE D/DI/DC 16	TPP-HE-H-16	TPP-HE-V-16
CADB/T-HE D/DI/DC 21	TPP-HE-H-21-33	TPP-HE-V-21
CADT-HE D/DI/DC 33	TPP-HE-H-21/33	TPP-HE-V-33
CADT-HE D/DI/DC 45	TPP-HE-H-45	TPP-HE-V-45
CADT-HE D/DI/DC 60	TPP-HE-H-60	TPP-HE-V-60

Model	A	B	C
04	1717	1123	514
08	1947	1273	577
12	1896	1413	589
16	2146	1603	631
21	2496	2003	766
33	2496	2003	866

CADB/T-HE 04 to 33 LH/RH

Model	A	B	C
04	1322	903	1039
08	1478	973	1145
12	1522	1133	1160
16	1672	1133	1210
21	1947	1333	1427
33	1947	1533	1445

CADB/T-HE 04 to 33 LV/RV

Model	A	B	C
45	2296	1863	1404
60	2446	1913	1788

CADT-HE 45 and 60 LH/RH

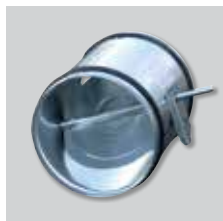
Model	A	B	C
45	2296	1483	1750
60	2446	1863	1834

CADT-HE 45 and 60 LV/RV



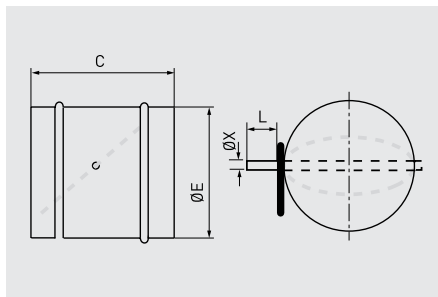
### 3-WAY VALVES WITH PROPORTIONAL ACTUATOR

Three way motorised control valve.  
 Pressure 16 bar.  
 Rp" internal nut.  
 Nickel-plated forged brass casing.  
 Stainless steel valve cone.  
 Stainless steel shaft.  
 Average temperatures -10..+120.  
 5Nm mounted rotary actuator.  
 AC/DC 24V, proportional.  
 90 s/90° valve response time.  
 DC 2....10V working range.  
 IP 54.



### REM

Manual motorised dampers.  
 Allow duct-network balancing and tight closure of branches or air inlets.  
 Body and damper made from galvanised steel, cadmium steel axis and bronze bearing. Tight joints in both sides.  
 Manual control or with support for electric actuator.



Model	ØE	C	X	L
REM-200	200	200	8	60
REM-250	250	200	8	60
REM-315	315	300	12	100
REM-355	355	300	12	100
REM-400	400	400	12	100
REM-450	450	400	12	100
REM-500	500	400	12	100

### Electric actuator (accessory):



### LF-24S

On-Off with spring return. Power supply 24V.

### ELECTRIC ACCESSORIES FOR CADB/T-N PRO-REG SERIES



### SC<sub>0</sub>-A

Ambient CO<sub>2</sub> and temperature sensor without display.  
 Output: 0-10V  
 Power supply: 24VDC



### SC<sub>0</sub>-G 0/10V

CO<sub>2</sub> sensor for the duct.  
 Enables control of the ventilation in sections of duct according to the CO<sub>2</sub> concentration of the air circulating through it.



### TDP-S Probe

#### Pressure transmitters without display

They are used to control the pressure in constant pressure ventilation systems or constant flow. It enables to control the pressure at two points and transform it into an electrical signal suitable for the different types of control.

### Accessories for the fan control depending on the control mode

Heat Recovery Model	VAV per CO <sub>2</sub>		CAV	COP*
	Ambience	Duct		
CADB-HE D/DI/DC 04	SC0-2 A 0/10V	SC0-2 G 0/10V	TDP-S (2 unidades)	TDP-S
CADB-HE D/DI/DC 08	SC0-2 A 0/10V	SC0-2 G 0/10V	TDP-S (2 unidades)	TDP-S
CADB-HE D/DI/DC 12	SC0-2 A 0/10V	SC0-2 G 0/10V	TDP-S (2 unidades)	TDP-S
CADB-HE D/DI/DC 16	SC0-2 A 0/10V	SC0-2 G 0/10V	TDP-S (2 unidades)	TDP-S
CADB/T-HE D/DI/DC 21	SC0-2 A 0/10V	SC0-2 G 0/10V	TDP-S (2 unidades)	TDP-S
CADT-HE D/DI/DC 33	SC0-2 A 0/10V	SC0-2 G 0/10V	TDP-S (2 unidades)	TDP-S
CADT-HE D/DI/DC 45	SC0-2 A 0/10V	SC0-2 G 0/10V	TDP-S (2 unidades)	TDP-S
CADT-HE D/DI/DC 60	SC0-2 A 0/10V	SC0-2 G 0/10V	TDP-S (2 unidades)	TDP-S

\*To independently control the supply and extract air it is necessary to install 2 pressure sensors TDP-S.