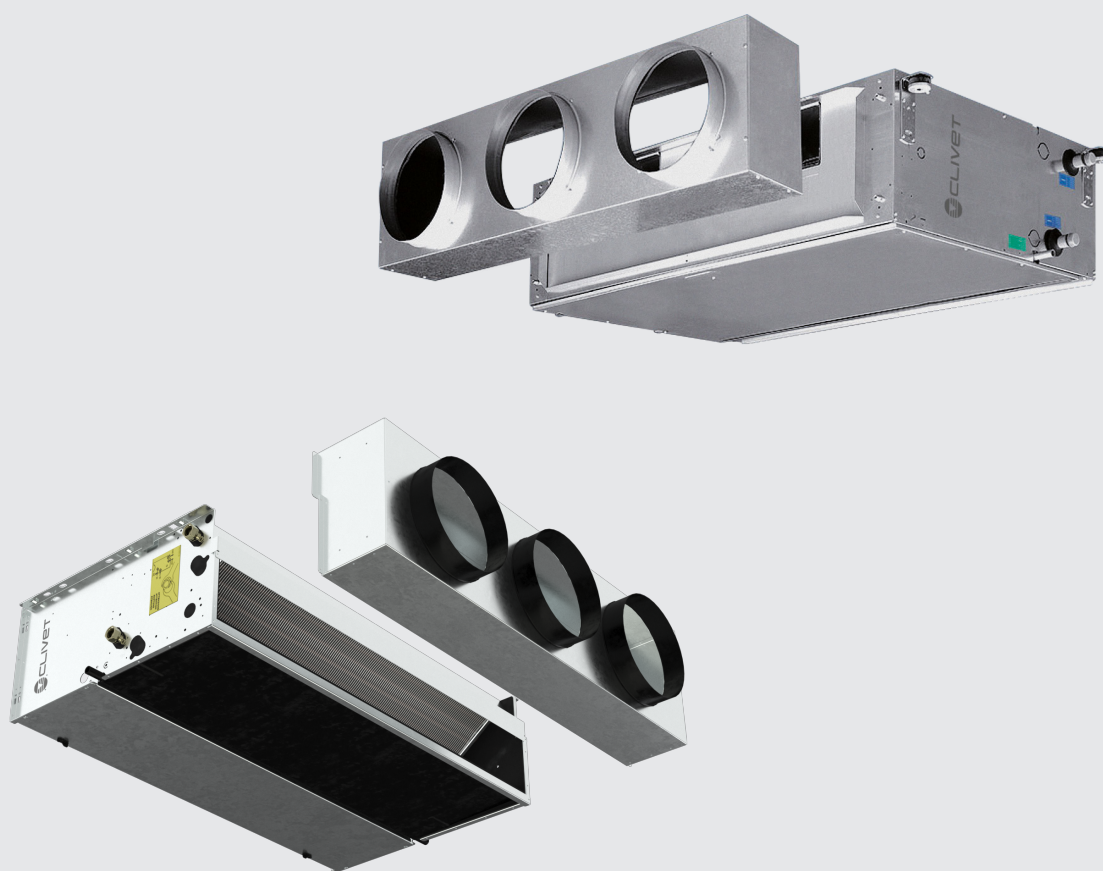


LARICE

DUA-M1 / DUE-M1 / DUA-H1 / DUE-H1

New medium and high static pressure ductable fancoil



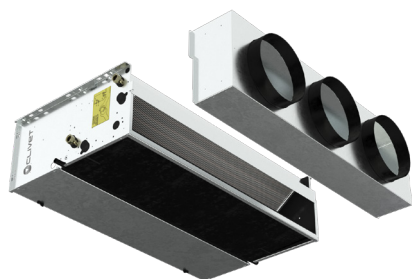
TECHNICAL BULLETIN

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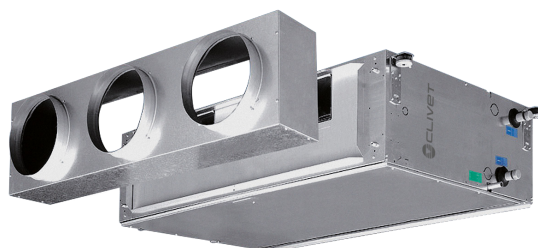
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Features and benefits

LARICE is a ductable fan coil for false ceiling installation suitable for medium and high head applications.



DUE-M1 / DUA-M1



DUE-H1 / DUA-H1

Application flexibility

Due to the numerous configurations and the wide range of capacities available, LARICE flexibly and effectively fulfils different application requirements.

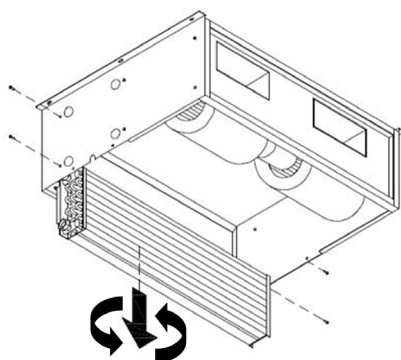
The fancoil is designed and built to be installed built-in in false ceilings and to be ducted, and is available in a 2- or 4-pipe version, with a 5-speed single-phase motor or with a three-phase permanent magnet synchronous motor.

The medium-pressure range is perfectly suited to meet all air-conditioning requirements in workplaces such as offices, shops, restaurants and hotel rooms where there is a need to duct the unit with pressure drops of up to 80 Pa. The DUE-M1 and DUA-M1 series also provide the option to install the unit vertically, to mount the valves on board the unit and to set up the return at the back or below depending on installation requirements.

High-head units make it possible to heat and/or cool large civil premises, or small and medium-sized commercial, industrial and sports premises.

The DUE-H1 and DUA-H1 series allow high air flow rates and residual heads up to 160 Pa, while sizes 62 and 64 even up to 250 Pa.

To make installation easier, with LARICE the installer can move the position of the water fittings to the opposite side of the unit simply by removing the heat exchange coil and turning it over.



DUA-M1 / DUE-M1: left-hand connections side with air flow in front (standard)

DUA-H1 / DUE-H1: left-hand connections side with air flow behind (standard)

Silence

Thanks to the careful selection of fans and a thorough study of the internal components, LARICE is one of the best units on the market for silent operation.

Energy efficiency and savings

In the EC motor configuration, Brushless electric motors are used.

Due to their reduced wear and low noise, these motors guarantee an average energy saving of 50% compared to traditional technology, thereby ensuring greater reliability of the unit and a lower environmental impact.

Features and benefits

Functions and Usability - DUA-M1 and DUA-H1 models

Fan coils with AC motors are compatible with the optional HMIFACX user interface

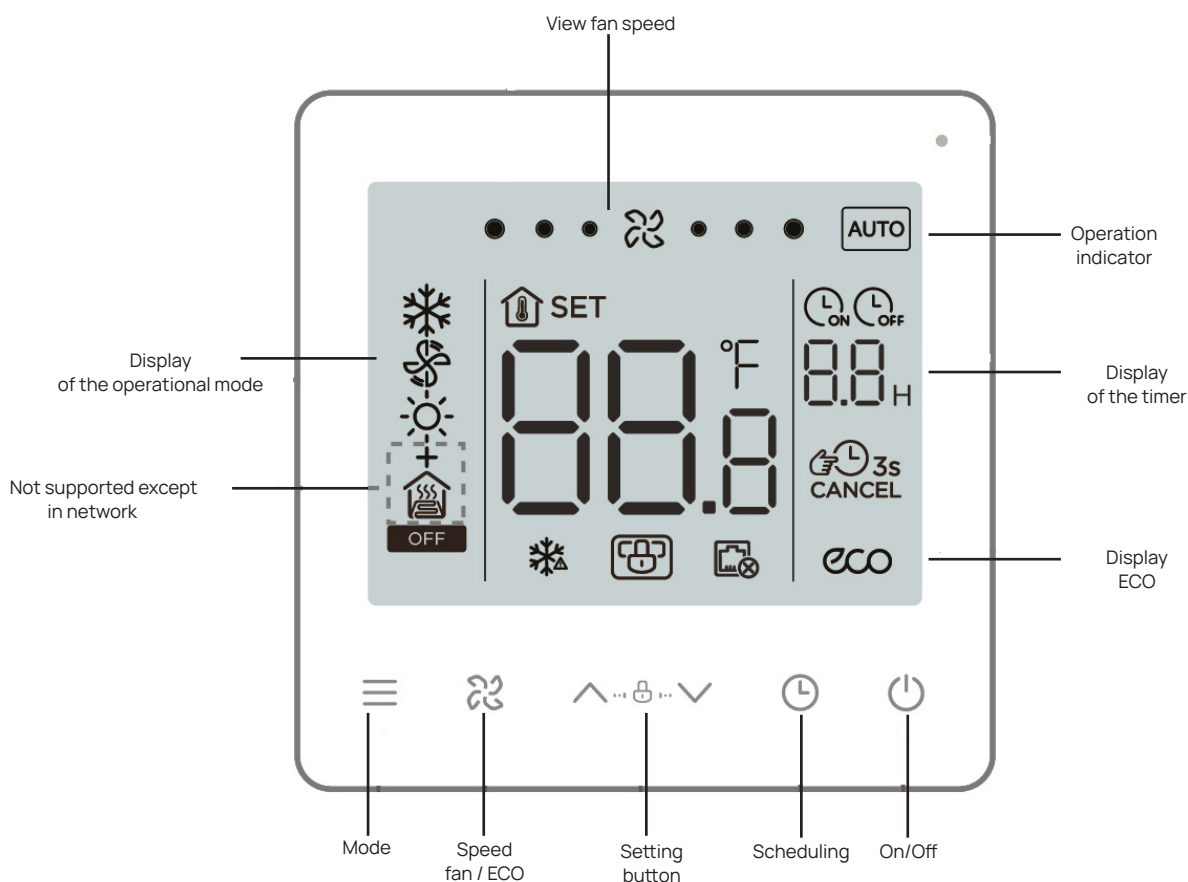


HMIFACX

The control is supplied separately for remote wall installation.

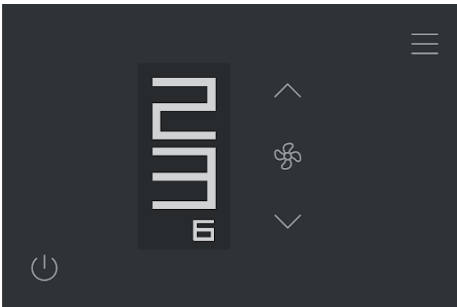
The interface has a touch screen, backlight, 3-step + AUTO ventilation speed control and a timer.

The control provides a connection to CONTROL 4 NRG or to any third-party home automation system via the Modbus port. By appropriately connecting the water temperature probe supplied with the thermostat, it is possible to manage the anti-cold/heat air function (only for 2-pipe version).



Functions and Usability

LARICE fan coils are compatible with the optional HID-TiFX thermostat, available for both AC and EC motor versions. The control is supplied separately for remote wall installation. HID-TiFX can be configured as a thermostat or as a chronothermostat with weekly time programming. It is the ideal solution for managing all the common functions of a fan coil, and the flexibility of parameter configuration makes it adaptable to various types of systems. The control provides, via the Modbus port, a connection to CONTROL 4 NRG or to any third-party home automation system. Wi-Fi connectivity allows the units to be controlled remotely via the Clivet Home Connect app.



HID-TiFX

Key combination

The following is a list of special functions that can be activated with combinations of keys pressed simultaneously.

Combination	Time	Function	Conditions
+	5 sec	Configuration Parameters	If configuration enabled
+ +	5 sec	Pairing WiFi	If configuration enabled
	8 sec	Summer/winter inversion	If manual E/I selection
+	5 sec	Factory default reset	Only in parameter screen
+ +	10 sec	Keypad lock	-
	8 sec	Dirty filter warning reset	-
+ +	1 sec	Technical info screen	-
	4 sec	Invert Minimal/full display	-

Two information display modes are selectable on the device: minimal and full.



Features and benefits

SYMBOL	MEANING
	Heating on / hot valve open
	Cooling on / cold valve open
	Comfort temperature setting mode: the device adjusts to the setpoint (SET) comfort temperature
	Economy mode temperature control: the device adjusts to the setpoint (SET) comfort temperature
	Programme setting mode, according to the weekly time schedule set in the app.
	Antifreeze temperature mode: the device adjusts to the antifreeze setpoint (SET) temperature
	Setpoint temperature display for room temperature setting
	Temporary setting mode (comfort or economy or OFF)
	Fan speed: the full marks indicate the current operating speed of the fan. If the thermostat is configured to drive an EC fan with the proportional output 0..10 V, accordingly, more dashes will light up the higher the fan speed.
	Fan off, interrupted by a special function.
	Fan speed of "Full" mode: Under the "fan" symbol, the current set is visible
	Resistance activated in a system with resistance
	Output error
	Output interlocked, output switched off by special function
	Setting is suspended: contact indicates open window
	Setting is suspended: condensation alarm

SYMBOL	MEANING
	Fan motor alarm
	Clogged filter: the filter needs cleaning.
	Occupied room
	Unoccupied room
	The flow water temperature is not hot enough (in heating) or cold enough (in cooling).
	Device connected to the WiFi network and maximum signal level
	Device not connected to WiFi network
	Device connected to WiFi but not connected to the cloud
	Device in parameter configuration menu

Standard unit technical specifications

DUA-M1/DUE-M1 version

Supporting structure

Galvanised sheet metal, 1 mm thick, consisting of two side shoulders and a rear wall insulated with a 3 mm thick, closed-cell polyethylene mat B-s2-d0 EN 13501-1.

Ventilating unit

Consisting of particularly quiet, double-intake centrifugal fans with statically and dynamically balanced aluminium or plastic impellers directly keyed onto the motor shaft.

DUA-M1 electric motor

Five-speed single-phase type, mounted on anti-vibration spring supports and with permanently inserted capacitor, internal thermal protection with automatic reset, IP 20 and class B protection.

DUE-M1 electric motor

Synchronous with permanent magnets, three-phase type, controlled with current reconstructed according to a BLAC sine wave.

The inverter electronic board for controlling motor operation is powered at 230 Volt in single-phase and, with a switching system, generates a three-phase power supply modulated in frequency and waveform.

The type of power supply required for the machine is therefore single-phase with 230 V voltage and 50-60 Hz frequency.

Exchange battery

Each unit is equipped with 3- or 4-row heat exchanger coils, with the possibility of adding a 1-row coil for 4-pipe systems.

The coil is constructed with copper tubes and aluminium fins attached to the tubes by a mechanical mandrel process. The main coil and any additional coils are equipped with two O 1/2" gas female connections.

The manifolds are equipped with air vents and water drains O 1/8" gas.

The exchanger is not suitable for use in corrosive atmospheres or in environments where aluminium may corrode. The standard position of the connections is on the left side when looking at the unit from the air outlet side (see photo).

The coils are reversible: the connection side can therefore be reversed during assembly on site.

DUA-M1 condensate drip tray

Made of plastic (ABS UL94 HB) for sizes 1+8 and painted sheet metal for sizes 9+12, L-shaped and fixed to the internal structure; the tray is insulated with a 3 mm thick, closed-cell polyethylene mat B-s2-d0 EN 13501-1. The condensate drain pipe is O 15 external.

DUE-M1 condensate drip tray

Made of plastic (ABS UL94 HB) for sizes 1+6 and painted sheet metal for sizes 7+12, L-shaped and fixed to the internal structure; the tray is insulated with a 3 mm thick, closed-cell polyethylene mat B-s2-d0 EN 13501-1. The condensate drain pipe is O 15 external.

Filter

Regenerable polypropylene honeycomb.

The frame, made of galvanised sheet metal, is inserted into rails fixed on the inner structure that allow easy removal for regular cleaning.

Versions and configurations

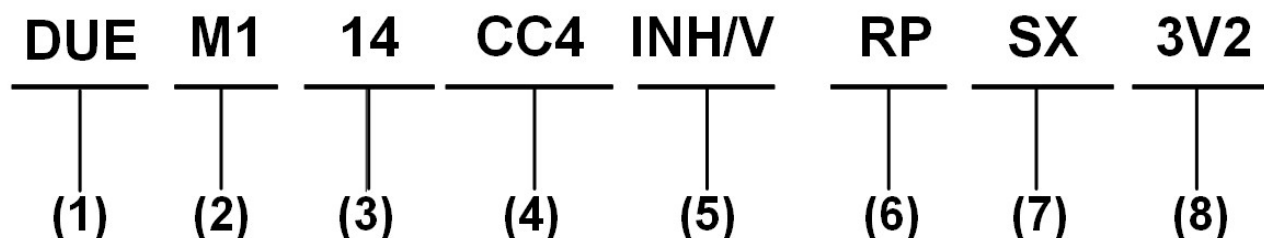
- CC2 - (standard) Coil configuration with 2-pipe system
- CC4 - Coil configuration with 4-pipe system
- INH/V - (standard) Horizontal / vertical built-in version
- SX - (standard) Left-hand water connections
- DX - water connections on the right
- RP - (standard) Return at back/underneath
- RB - Return from bottom/front * not available for DUE-M1 12-22-112-122-14-64
- 2V2 - Built-in on/off 2-way valve kit for 2-pipe system
- 3V2 - Built-in on/off 3-way valve kit for 2-pipe system
- 2V4 - Built-in on/off 2-way valve kit for 4-pipe system
- 3V4 - Built-in on/off 3-way valve kit for 4-pipe system

Optional Accessories

2V2X - Two-way valve kit for main battery for 2-pipe "on/off" system
3V2X - Three-way valve kit for main battery for 2-pipe "on/off" system
VB2X - Balancing valve kit for main battery for 2-pipe system
2V4OHX - Two-way valve kit for additional battery 4-pipe "on/off" system
3V4OHX - Three-way valve kit for additional battery for 4-pipe "on/off" system
VB4X - Balancing valve kit for additional battery for 4-pipe system
BRVX - Auxiliary drain pan for vertical installation
BROPX - Auxiliary drain pan for horizontal installation
DPVX - Condensate drain pump for vertical installation
DPHX - Condensate drain pump for horizontal installation
FMX - Straight air supply flange
F90MX - 90° air supply flange
PCCMAX - Air supply plenum with circular connections
SILMX - Silencer air supply plenum
FDAX - Straight air return flange
F90AX - 90° air return flange
PCCRAX - Air return plenum with circular connections
SILRX - Straight air return flange
BOMX - Air supply inlet
GFDX - Air intake grille for straight flange
GF90X - Air intake grille for 90° flange
HIDE2X - Simplified ambient control E/I + 3V+ on/off selector for wall installation
HMIFACX - Electronic wired controller KJRP-86R for assembly on the machine or on wall for AC versions
BOXX - Box for wall installation of KJRP-86R thermostat
HID-TiFX - Thermostat for fancoil units with 0-10V port and water probe included

Unit configuration

Medium head



(1) Configurations

DUE = Brushless EC motor
DUA = AC motor

(2) Version

M1 = Medium head

(3) Sizes

14 = Size

(4) Coil configuration

CC2 = 2-pipe system
CC4 = 4-pipe system

5 Installation

INH/V = Horizontal / vertical built-in

(6) Air return

RP = Return at back/underneath
RB = Return from below/front (not available for DUE-M1 12-14-22-64-112-122)

(7) Position of connections

SX = Water connections on the left
DX = Water connections on the right

(8) Built-in valves

- not required (standard)
2V2 = 2-way on/off valves for 2-pipe version
3V2 = 3-way on/off valve for 2-pipe version
2V4 = 2-way on/off valve for 4-pipe version
3V4 = 3-way on/off valve for 4-pipe version

Standard unit technical specifications

DUA-H1/DUE-H1 version

Supporting structure

Galvanised sheet metal, 1.0 mm thick for sizes 1-2-3 and 1.2 mm thick for sizes 4-5-6, insulated with closed-cell polyethylene mat, 10 mm thick, B-s2-d0 EN 13501-1.

Ventilating unit

Consisting of particularly quiet, double-intake centrifugal fans with statically and dynamically balanced plastic impellers directly coupled to the motor shaft.

Motor 4 DUA-H1

Five-speed (3-speed for size 6) single-phase type, mounted on anti-vibration spring supports and with permanently inserted capacitor, internal thermal protection with automatic reset, IP 20 and class B protection.

DUE-H1 electric motor

Synchronous with permanent magnets, three-phase type, controlled with current reconstructed according to a sine wave BLAC.

The inverter electronic board for controlling motor operation is powered at 230 Volt in single-phase and, with a switching system, generates a three-phase power supply modulated in frequency and waveform.

The type of power supply required for the machine is therefore single-phase with 230 V voltage and 50-60 Hz frequency.

Exchange battery

Each unit is equipped with 4-row heat exchanger coils, with the possibility of adding a 1-row coil (2-row for size 6) for 4-pipe systems.

The coil is constructed with copper tubes and aluminium fins attached to the tubes by a mechanical mandrel process, in 4-row execution with male gas threaded supply connections.

On request, the position of the connections can be shifted to the opposite side. The exchanger is not suitable for use in corrosive atmospheres or in environments where aluminium may corrode.

Condensation collection basin

Galvanised sheet metal insulated with closed-cell polyethylene mat, 3 mm thick, B-s2-d0 EN 13501-1.

Filter

Regenerable polypropylene honeycomb. The frame, made of galvanised sheet metal, is inserted into rails fixed on the inner structure that allow easy removal for regular cleaning.

Versions and configurations

- CC2 - (standard) - Coil configuration with 2-pipe system
- CC4 - Coil configuration with 4-pipe system
- INH - (standard) horizontal built-in version
- RP (standard) - return at back
- SX (standard) - water connections on the left
- DX - water connections on the right

Optional Accessories

3V2X - Three-way valve kit for main battery for 2-pipe "on/off" system

3V4OHX - Three-way valve kit for additional battery for 4-pipe "on/off" system

BROPX - Auxiliary drain pan for horizontal installation

PCX - Air supply and return plenum with circular connections

FG4X - Synthetic filter Class G4 (ePM10 50%)

HIDE2X - Simplified ambient control E/I + 3V+ on/off selector for wall installation

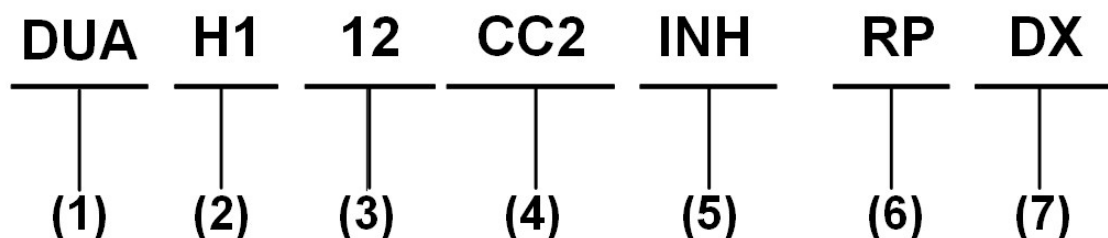
HMIFACX - Electronic wired controller KJRP-86R for assembly on the machine or on wall for AC versions

BOXX - Box for wall installation of KJRP-86R thermostat

HID-TiFX - Thermostat for fancoil units with 0-10V port and water probe included

Unit configuration

High head



(1) Configurations

DUE = Brushless EC motor

DUA = AC motor

(2) Version

H1 = High head

(3) Sizes

12 = Size

(4) Coil configuration

CC2 = 2-pipe system

CC4 = 4-pipe system

5 Installation

INH = Horizontal built-in

(6) Air return

RP = Return at back

(7) Position of connections

SX = Water connections on the left

DX = Water connections on the right

Option compatibility

RIF.	DESCRIPTION	DUE-M1/DUE-H1	DUA-M1/DUA-H1
HIDE2X	E/I +3V +on/off simplified room control for wall installation	-	O
HID-TIFX	Thermostat for fancoil unit with 0-10V port and water probe included	O	O
HMIFACX	Electronic thermostat for wall installation of the KJRP-86R	-	O
BOXX	Box for wall installation of the KJRP-86R	-	O

O Optional component
- Not available

Accessories separately supplied

DUA-M1 / DUE-M1

2V2X Two-way valve kit for main battery for 2-pipe "on/off" system

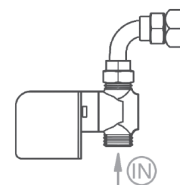
2V4OHX Two-way valve kit for additional battery 4-pipe "on/off" system

Kit containing two-way valve with on/off actuator and connection fittings for the 2- or 4-pipe system.

Compatible with auxiliary condensate drain tray (BRODXX and BROSXX).

	Coil				DN	Ø	Kvs
	DUE CC2	DUE CC4	DUA CC2	DUA CC4			
SIZE	12-42	14-24	12-22	14	15	1/2"	1,7
SIZE	52-82	34-44	32-82	24-44	20	3/4"	2,8
SIZE	92-102	54	92-122	54	25	1"	4,0
SIZE	112-122	64	/	64	25	1"	4,5

	Additional coil				DN	Ø	Kvs
	DUE CC2	DUE CC4	DUA CC2	DUA CC4			
SIZE	/	14-54	/	14-64	15	1/2"	1,7

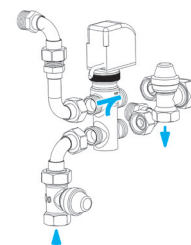


3V2X Three-way valve kit for main battery for 2-pipe "on/off" system

Kit containing two-way valve with on/off actuator and connection fittings for the 2- or 4-pipe system.

	Coil				Valve			Holder		
	DUE CC2	DUE CC4	DUA CC2	DUA CC4	DN	Ø	Kvs	DN	Ø	Kvs
SIZE	12-42	14-24	12-22	14	15	1/2"	1,6	15	1/2" F	2,0
SIZE	52-82	34-44	32-82	24-44	20	3/4"	2,5	15	3/4" F	2,0
SIZE	92-102	54	92-122	54	20	3/4"	4,0	20	3/4" F	3,5

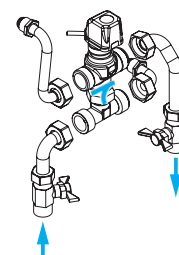
	Batteria				Valvola			Rubinetto	
	DUE CC2	DUE CC4	DUA CC2	DUA CC4	DN	Ø	Kvs	Ø	
GR.	112-122	64	/	64	25	1"	4,5	3/4" M	



3V4OHX Three-way valve kit for additional battery for 4-pipe "on/off" system

	Coil				Valve			Holder		
	DUE CC2	DUE CC4	DUA CC2	DUA CC4	DN	Ø	Kvs	DN	Ø	Kvs
SIZE	/	14-54	/	14-64	15	1/2"	1,6	15	1/2" F	2,0

	Batteria				Valvola			Rubinetto	
	DUE CC2	DUE CC4	DUA CC2	DUA CC4	DN	Ø	Kvs	Ø	
GR.	/	64	/	/	20	3/4"	2,5	3/4" M	

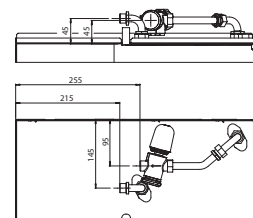


VB2X**Balancing valve kit for main battery for 2-pipe system**

2-way valve for main battery and mounting kit.

The valve is supplied with a 230 Volt electro-thermal actuator for ON/OFF control.

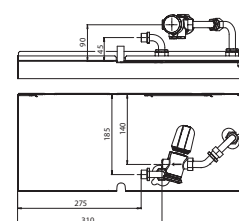
	DUE CC2	DUE CC4	DUA CC2	DUA CC4	DN	Ø	Range (l/h)
SIZE	12-42	14-24	12-22	14	15	3/4"	90-450
SIZE	52-82	34-44	32-82	24-44	15	3/4"	1590-450
SIZE	92-102	54	92-122	54-64	0	1"	190-1300

**VB4X****Balancing valve kit for additional battery for 4-pipe system**

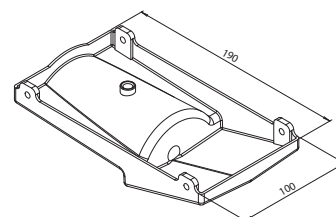
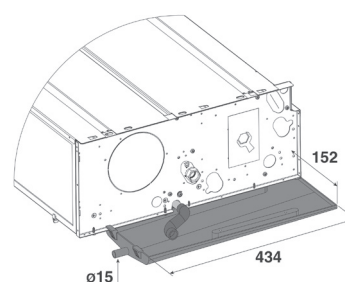
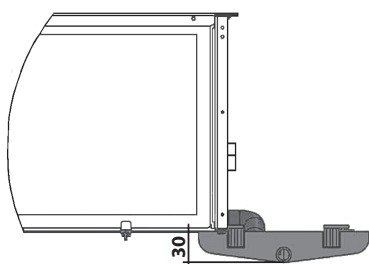
2-way valve for main battery and mounting kit.

The valve is supplied with a 230 Volt electro-thermal actuator for ON/OFF control.

	DUE CC2	DUE CC4	DUA CC2	DUA CC4	DN	Ø	Range (l/h)
SIZE	/	14-44	/	14-44	15	3/4"	90-450
SIZE	/	54	/	54-64	15	3/4"	150-1050

**BRVX****Auxiliary drain pan for vertical installation**

	DUE CC2	DUE CC4	DUA CC2	DUA CC4
SIZE	12-122	14-64	12-122	14-64

**BROPX****Auxiliary drain pan for horizontal installation**

	DUE CC2	DUE CC4	DUA CC2	DUA CC4
SIZE	12-122	14-64	12-122	14-64

Accessories separately supplied

DPVX

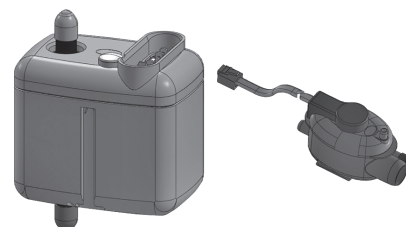
Condensate drain pump for vertical installation

DPHX

Condensate drain pump for horizontal installation

	DUE CC2	DUE CC4	DUA CC2	DUA CC4
SIZE	12-122	14-64	12-122	14-64
SIZE	12-122	14-64	12-122	14-64

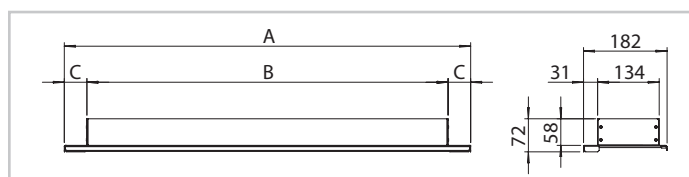
Vertical flow height (m)	Flow rate (l/h) as a function of horizontal supply length	
	5 m	10 m
1	7,6	7,2
2	5,6	5,2
3	4,0	3,7
4	3,2	2,9



FMX

Straight flange for air supply

Made of galvanised sheet steel.

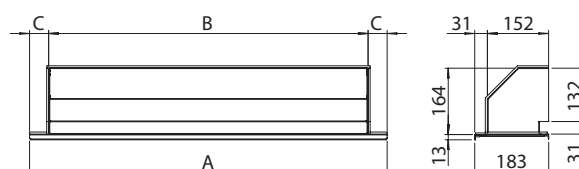


	DUE CC2	DUE CC4	DUA CC2	DUA CC4	A	B	C
SIZE	12-22	14	/	/	452	390	31
SIZE	32-42	24	12-22	14	673	589	42
SIZE	52-62	34	32-42	24	888	790	49
SIZE	72-82	44	52-82	34-44	1103	989	57
SIZE	92-102	54	92-122	54-64	1533	1439	47
SIZE	112-122	64	/	/	1748	1642	53

F90MX

90° air supply flange

Made of galvanised sheet steel, coated on the outside with polyethylene matting.

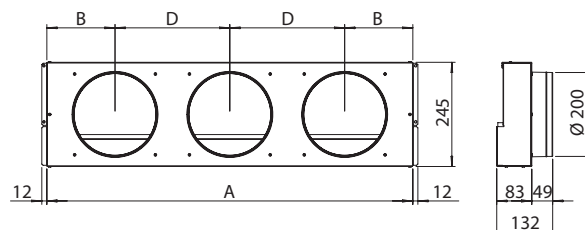


	DUE CC2	DUE CC4	DUA CC2	DUA CC4	A	B	C
SIZE	12-22	14	/	/	452	390	31
SIZE	32-42	24	12-22	14	669	589	40
SIZE	52-62	34	32-42	24	884	790	47
SIZE	72-82	44	52-82	34-44	1099	989	55
SIZE	92-102	54	92-122	54-64	1529	1439	45
SIZE	112-122	64	/	/	1744	1642	51

PCCMAX Air supply plenum with circular connections

It consists of a galvanised sheet steel box, insulated internally by a polyethylene matting.

All plenums are equipped with circular tangs that allow flexible tubular fittings to be connected for air distribution.

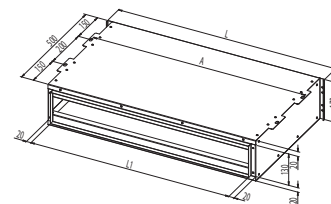


	DUE CC2	DUE CC4	DUA CC2	DUA CC4	A	B	D	Tangs No.
SIZE	12-22	14	/	/	430	107	216	2
SIZE	32-42	24	12-22	14	645	166	313	2
SIZE	52-62	34	32-42	24	860	160	270	3
SIZE	72-82	44	52-82	34-44	1075	189	348	3
SIZE	92-102	54	92-122	54-64	1505	222	354	4
SIZE	112-122	64	/	/	1728	224	320	5

SILMX

Straight air supply plenum

Galvanised sheet steel structure with 3 sound-absorbing partitions inside, with a high sound absorption coefficient, made of 50 mm thick glass wool with a density of 30 kg/m³ rinforzato su entrambi i lati con un velo di vetro colore nero.



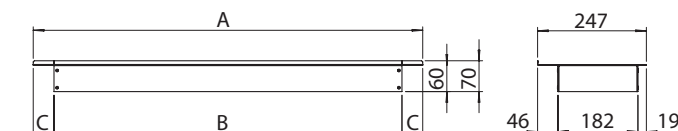
	DUE CC2	DUE CC4	DUA CC2	DUA CC4					
SIZE									
SIZE									
SIZE									

Frequency	Hz	125	250	500	1000	2000	4000	8000	Total
Sound attenuation	dB	2,5	5,0	11,5	14,0	13,5	12,0	11,0	5,5

FDAX

Straight flange for air intake

Can be combined with with air intake grille.
Made of galvanised sheet steel.

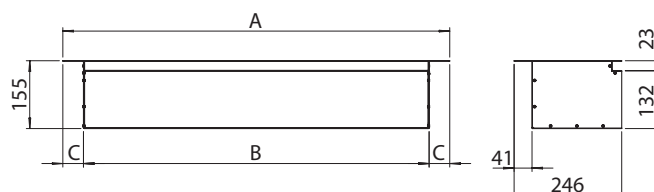


	DUE CC2	DUE CC4	DUA CC2	DUA CC4	A	B	C
SIZE	12-22	14	/	/	454	390	32
SIZE	32-42	24	12-22	14	669	589	40
SIZE	52-62	34	32-42	24	884	790	47
SIZE	72-82	44	52-82	34-44	1099	989	55
SIZE	92-102	54	92-122	54-64	1529	1439	45
SIZE	112-122	64	/	/	1744	1642	51

Accessories separately supplied

F90AX 90° air return flange

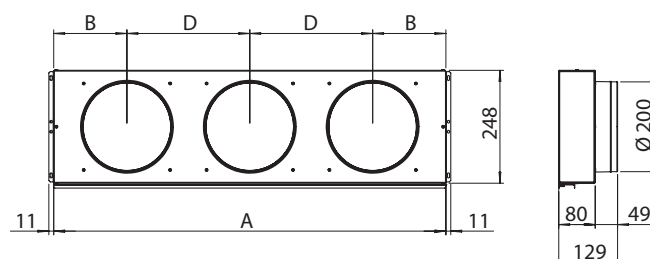
Can be combined with with air intake grille.
Made of galvanised sheet steel.



	DUE CC2	DUE CC4	DUA CC2	DUA CC4	A	B	C
SIZE	12-22	14	/	/	454	390	32
SIZE	32-42	24	12-22	14	669	589	40
SIZE	52-62	34	32-42	24	884	790	47
SIZE	72-82	44	52-82	34-44	1099	989	55
SIZE	92-102	54	92-122	54-64	1529	1439	45
SIZE	112-122	64	/	/	1744	1642	51

PCCRAX Air return plenum with circular connections

It consists of a galvanised sheet steel box, insulated internally by a polyethylene matting. All plenums are equipped with circular tangs that allow flexible tubular fittings to be connected for air distribution.

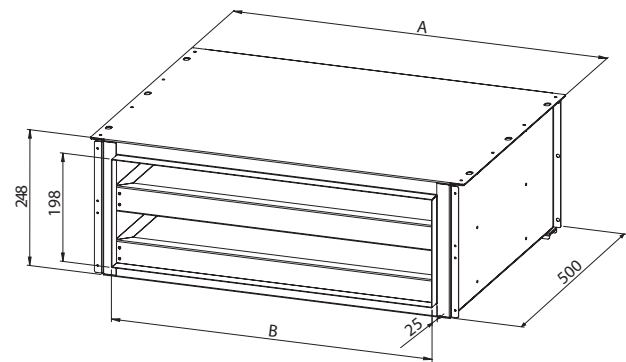


	DUE CC2	DUE CC4	DUA CC2	DUA CC4	A	B	D	Tangs No.
SIZE	12-22	14	/	/	432	108	216	2
SIZE	32-42	24	12-22	14	647	167	313	2
SIZE	52-62	34	32-42	24	862	161	270	3
SIZE	72-82	44	52-82	34-44	1077	190	348	3
SIZE	92-102	54	92-122	54-64	1507	223	354	4
SIZE	112-122	64	/	/	1722	221	320	5

SILRX

Silencer air return plenum

Made of galvanised sheet steel, internally lined with glass wool matting reinforced on both sides with a black glass fleece; the 50 mm thick lining with a density of 30 kg/m3 guarantees high sound deadening with very low pressure drops.



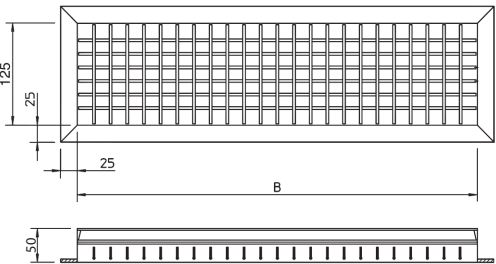
Frequency	125	250	500	1000	2000	4000	8000	Total
Sound attenuation								

	DUE CC2	DUE CC4	DUA CC2	DUA CC4		
SIZE						
SIZE						
SIZE						
SIZE						

BOMX

Air supply inlet

Double row of fins to be attached to the duct, straight supply flange or 90° supply flange. Made of anodised aluminium.

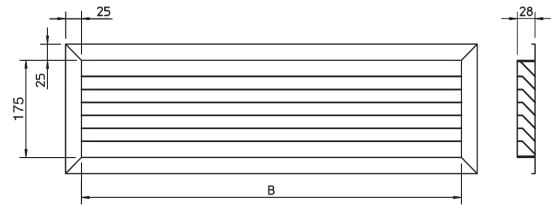


	DUE CC2	DUE CC4	DUA CC2	DUA CC4		
SIZE						
SIZE						
SIZE						
SIZE						
SIZE						
SIZE						

Accessories separately supplied

GFDX Air intake grille for straight flange

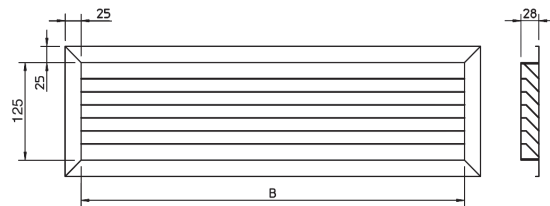
To be applied to the straight intake flange.
Made of anodised aluminium.



	DUE CC2	DUE CC4	DUA CC2	DUA CC4
SIZE				
SIZE				
SIZE				
SIZE				
SIZE				
SIZE				

GF90X Air intake grille for 90° flange

To be attached to the 90° intake flange
Made of anodised aluminium.

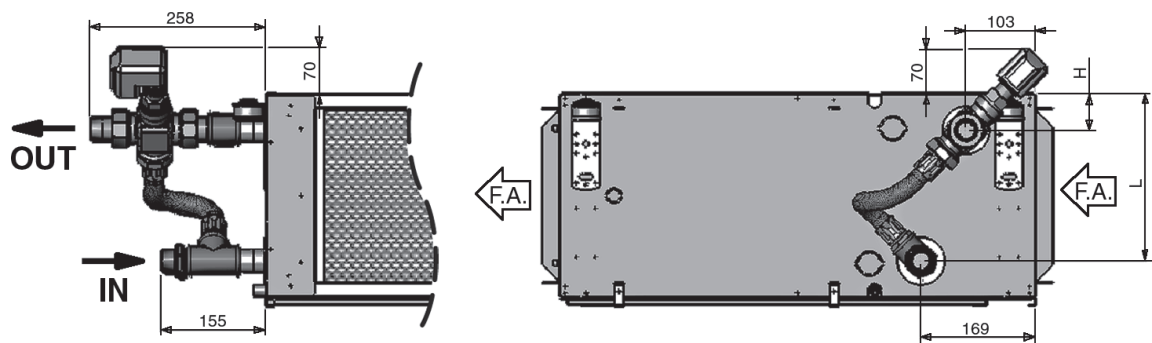


	DUE CC2	DUE CC4	DUA CC2	DUA CC4
SIZE				
SIZE				
SIZE				
SIZE				
SIZE				
SIZE				

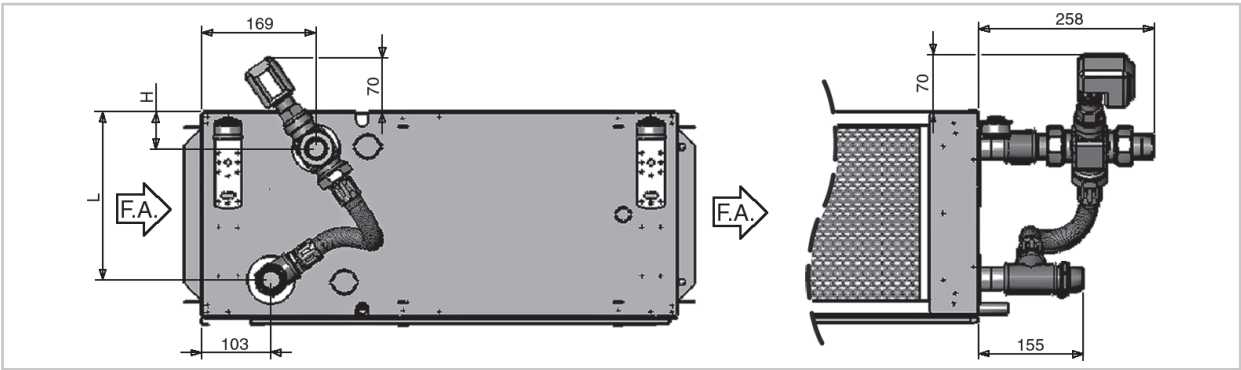
Accessories separately supplied

DUA-H1 / DUE-H1

3V2X **Three-way valve kit for main battery for 2-pipe “on/off” system**
Left-hand execution (standard)



Right-hand execution (on request)

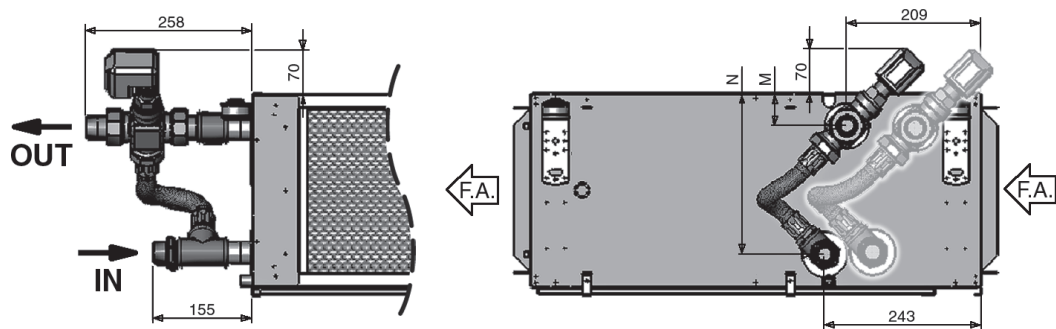


	DUE CC2	DUE CC4	DUA CC2	DUA CC4	H	L	Valve connection Ø	Kvs m³/h
SIZE	12	14	12	14	54	245	3/4"	6,3
SIZE	22-32	24-34	22-32	24-34	54	245	1"	6,3
SIZE	42-52	44-54	42-52	44-54	58	291	1 1/4"	10
SIZE	62	64	62	64	59	416	1 1/4"	10

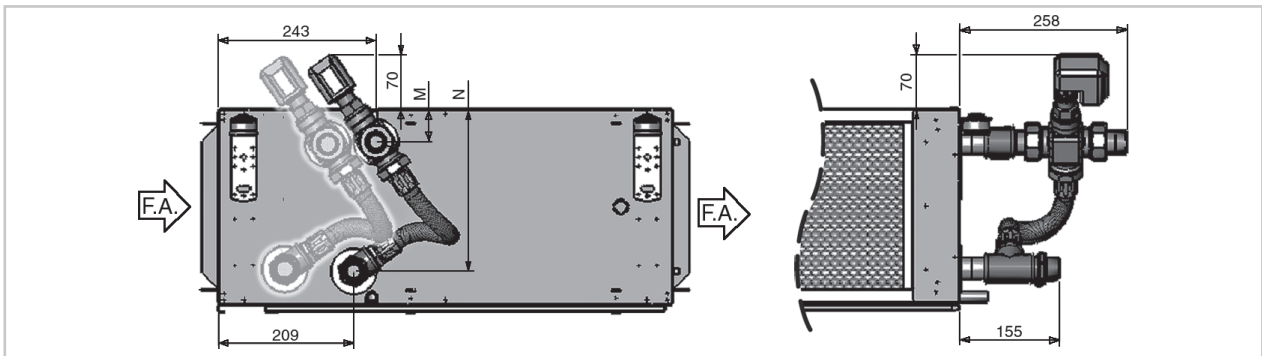
Accessories separately supplied

3V4OHX Three-way valve kit for additional battery for 4-pipe “on/off” system

Left-hand execution (standard)



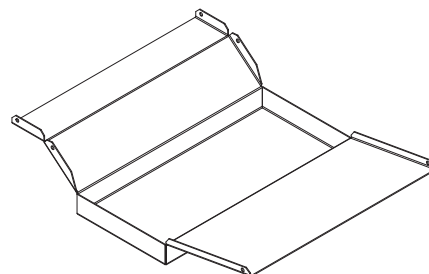
Right-hand execution (on request)



	DUE CC2	DUE CC4	DUA CC2	DUA CC4	M	N	Valve connection Ø	Kvs m³/h
SIZE	/	14-34	/	14-34	50	249	3/4"	6,3
SIZE	/	44-54	/	44-54	54	295	1"	10
SIZE	/	64	/	64	55	521	1"	10

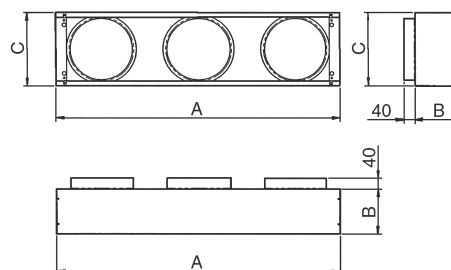
DROPX Auxiliary drain pan (horizontal installation)

	DUE CC2	DUE CC4	DUA CC2	DUA CC4
SIZE				



PCX Air supply and return plenum with circular connections

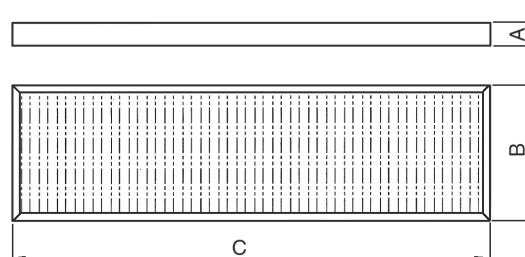
Supply and/or suction plenum with 3-tang or 4-tang circular diffusers.



	DUE CC2	DUE CC4	DUA CC2	DUA CC4	A	B	C	Tangs No.	Ø tangs
GR.	12-22	14-24	12-22	14-24	1133	182	298	3	250
GR.	32	34	32	34	1133	182	348	3	250
GR.	42	44	42	44	1445	300	348	4	250
GR.	52	54	52	54	1445	300	442	4	300
GR.	62	64	62	64	1535	300	472	4	355

FG4X Synthetic filter Class G4 (ePM10 50%)

High-efficiency compact filter, the filter material is glass microfibre paper. The reference standard is EN16890. The filter is supplied as a separate accessory and must be inserted inside the unit, once the machine installation is complete, in place of the standard one.



	DUE CC2	DUE CC4	DUA CC2	DUA CC4	A	B	C
GR.	12-22	14-24	12-22	14-24	48	285	1000
GR.	32	34	32	34	48	335	988
GR.	42	44	42	44	48	335	1298
GR.	52	54	52	54	48	410	1298
GR.	62	64	62	64	48	460	1385

Accessories separately supplied

DUA-M1 / DUE-M1 - DUA-H1 / DUE-H1

HIDE2X E/I +3V +on/off simplified room control for wall installation

Electromechanical room thermostat HID-E2 for wall installation. It allows:

- setting of the desired temperature (10-30°C)
- selection of the 3 speeds (MIN - MED - MAX)
- on/off
- manual Summer / Winter change
- continuous or thermostat-based ventilation
- on/off water valve control

It can be connected to the remote air probe (PTABX) supplied separately.

The separately supplied minimum hot water temperature clickson (TMX) can be connected.

Dimensions: 184 X 82 X 27mm

⚠ Compatible with DUA-M1/DUA-H1 models



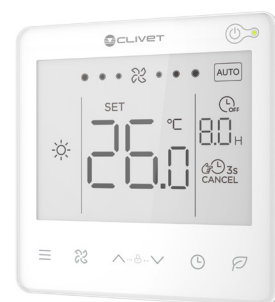
HMIFACX Electronic wired controller KJRP-86R for assembly on the machine or on wall for AC versions

KJRP-86R user interface for three-speed DUA-MP and DUA-HP models, can be installed on the wall or on the unit.

- Functions:
- Backlight
- Basic functions
- 3 speeds + AUTO
- Timer
- Modbus port
- Minimum water temperature probe

For wall installation refer to the BOXX accessory.

⚠ Compatible with DUA-M1/DUA-H1 models



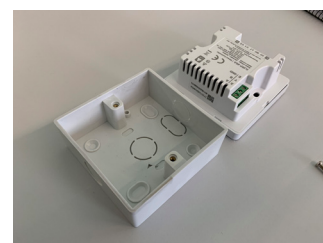
BOXX Box for wall installation of the KJRP-86R thermostat

Built-in electrical box measuring LxHxD (mm) 86x86x33 suitable for wall installation of the KJRP-86R (HMIACX) user interface.

Wall installation is semi-uncased: once installed, the interface protrudes 9mm from the flush wall.

Refer to the user interface manual.

⚠ Compatible with HMIFACX option

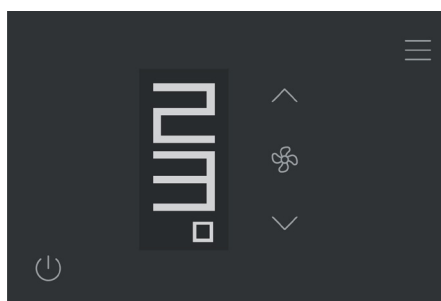


HID-TiFX Thermostat for fancoil unit with 0-10V port and water probe included

Configurable chronothermostat for temperature control in premises heated or cooled by fan coils.

Continuously proportional control of valve opening and fan speed on 0..10 V outputs in order to regulate the premises temperature as comfortably as possible. The device also has five ON/OFF relay outputs that can be used to control a three-speed fan and two ON/OFF valves. The room temperature can be detected by the internal probe.

The thermostat has WiFi connectivity that can also be activated later by the end user for remote management via Clivet Home Connect App on a mobile device. In addition, the device also has an RS-485 interface for communication with the Modbus® RTU protocol and thus allows connection to the CONTROL 4NRG or any third-party BMS.



 HID-TiFX compatible with al series

General technical data

DUE-M1 CC2 Version

Size		12	22	32	42	52	62	72	82	92	102	112	122
High speed													
Airflow	m ³ /h	290	290	360	360	630	630	980	980	1410	1410	1923	1923
External static pressure	Pa	75	75	68	68	70	70	66	66	72	72	70	70
Cooling capacity	1 kW	1,65	1,95	2,23	2,48	3,55	4,25	5,43	5,91	7,67	8,47	10,00	10,60
Sensible capacity	1 kW	1,30	1,45	1,63	1,78	2,68	3,04	4,21	4,45	5,86	6,33	7,80	8,20
Water flow rate	1 l/h	284	336	384	427	611	732	935	922	1321	1459	1722	1826
Water pressure drops	1 kPa	9,2	15,4	23,0	13,0	19,0	31,0	23,0	15,0	21,0	18,0	39,0	40,0
Heating capacity	2 kW	1,90	2,00	2,37	2,52	4,00	4,37	6,27	6,55	8,24	9,35	10,70	11,50
Water flow rate	2 l/h	327	345	408	434	689	753	1080	1128	1419	1611	1843	1981
Water pressure drops	2 kPa	8,0	12,3	22,0	13,0	18,0	26,6	23,0	14,0	19,0	18,0	43,0	39,0
Rated power input	W	37	37	39	39	64	64	98	98	155	155	246	246
Medium speed													
Airflow	m ³ /h	225	225	305	305	540	540	850	850	1175	1175	1638	1638
External static pressure	Pa	50	50	50	50	50	50	50	50	50	50	50	50
Cooling capacity	1 kW	1,39	1,55	1,97	2,17	3,21	3,79	4,94	5,34	6,81	7,46	8,60	9,25
Sensible capacity	1 kW	1,00	1,15	1,42	1,54	2,38	2,68	3,77	3,97	5,11	5,48	6,50	7,10
Water flow rate	1 l/h	239	267	339	374	553	653	851	841	1173	1285	1481	1593
Water pressure drops	1 kPa	6,7	10,8	19,0	10,0	16,0	25,0	19,0	13,0	17,0	14,0	29,0	30,0
Heating capacity	2 kW	1,50	1,65	2,05	2,17	3,51	3,80	5,56	5,77	7,09	7,96	9,25	10,00
Water flow rate	2 l/h	258	284	353	374	605	655	958	994	1221	1371	1593	1722
Water pressure drops	2 kPa	5,5	8,1	17,0	10,0	15,0	21,0	19,0	12,0	15,0	14,0	34,0	30,0
Rated power input	W	21	21	29	29	43	43	67	67	100	100	160	160
Minimum speed													
Airflow	m ³ /h	110	110	240	240	430	430	595	595	900	900	1238	1238
External static pressure	Pa	10	10	32	32	34	34	24	24	30	30	28	28
Cooling capacity	1 kW	0,75	0,80	1,64	1,77	2,72	3,14	3,84	4,09	5,66	6,12	6,75	7,20
Sensible capacity	1 kW	0,55	0,60	1,17	1,25	1,99	2,20	2,83	2,95	4,15	4,40	5,05	5,50
Water flow rate	1 l/h	129	138	282	305	469	541	661	661	975	1054	1163	1240
Water pressure drops	1 kPa	3,5	3,5	13,0	7,0	12,0	18,0	12,0	8,0	12,0	10,0	19,0	20,0
Heating capacity	2 kW	0,80	0,80	1,65	1,73	2,88	3,08	4,07	4,19	5,69	6,26	7,00	8,00
Water flow rate	2 l/h	138	138	284	298	496	531	701	722	980	1078	1206	1378
Water pressure drops	2 kPa	1,7	2,6	12,0	7,0	10,0	14,0	11,0	6,0	10,0	9,0	25,0	20,0
Rated power input	W	7	7	18	18	26	26	30	30	52	52	84	84
Standard power supply		230/1/50											
Supply fan type	3	CFG EC											
Supply fan number		1	1	1	1	2	2	2	2	2	2	3	3

1. Inlet water exchanger 7°C (temperature differential 5°C) - Ambient air 27°C D.B. / 19°C W.B.
2. Inlet water exchanger 45°C (temperature differential 5°C) - Ambient air 20°C
3. CFG = Centrifugal fan

DUA-M1 CC2 Version

Size		12	22	32	42	52	62	72	82	92	102	112	122
High speed													
Airflow		m ³ /h	315	315	625	625	790	790	980	980	1240	1240	1425
External static pressure		Pa	58	58	58	58	60	60	65	65	60	60	63
Cooling capacity	1	kW	2,00	2,22	3,60	4,28	4,72	5,36	5,47	5,94	7,11	7,82	7,70
Sensible capacity	1	kW	1,44	1,57	2,70	3,04	3,55	3,84	4,22	4,46	5,36	5,72	5,89
Water flow rate	1	l/h	345	382	620	737	813	923	942	1023	1225	1347	1326
Water pressure drops	1	kPa	20,0	11,0	19,6	31,3	17,7	36,1	23,2	15,6	18,7	15,6	21,7
Heating capacity	2	kW	2,11	2,23	3,98	4,34	5,22	5,42	6,27	6,55	7,58	8,34	8,49
Water flow rate	2	l/h	363	384	686	748	899	934	1080	1128	1306	1437	1462
Water pressure drops	2	kPa	18,0	10,5	18,3	26,2	16,6	28,9	23,0	14,5	16,5	15,0	20,2
Rated power input		W	51	51	94	94	110	110	148	148	145	145	186
Medium speed													
Airflow		m ³ /h	290	290	575	575	720	720	850	850	1120	1120	1270
External static pressure		Pa	50	50	50	50	50	50	50	50	50	50	50
Cooling capacity	1	kW	1,88	2,07	3,40	4,01	4,42	4,99	4,97	5,36	6,62	7,25	7,11
Sensible capacity	1	kW	1,35	1,46	2,53	2,84	3,30	3,55	3,77	3,97	4,94	5,26	5,37
Water flow rate	1	l/h	324	357	586	691	761	860	856	923	1140	1249	1225
Water pressure drops	1	kPa	17,0	9,7	17,7	27,9	15,7	31,7	19,4	12,9	16,4	13,6	18,8
Heating capacity	2	kW	1,96	2,07	3,70	4,02	4,82	4,99	5,56	5,77	6,96	7,63	7,73
Water flow rate	2	l/h	338	357	637	692	830	860	958	994	1199	1314	1331
Water pressure drops	2	kPa	16,0	9,2	16,1	22,8	14,3	24,9	18,6	11,5	14,2	12,7	17,1
Rated power input		W	45	45	87	87	96	96	122	122	125	125	177
Minimum speed													
Airflow		m ³ /h	205	205	395	395	380	380	600	600	580	580	905
External static pressure		Pa	25	25	26	26	14	14	23	23	15	15	26
Cooling capacity	1	kW	1,43	1,54	2,57	2,93	2,68	2,89	3,85	4,10	3,99	4,23	5,58
Sensible capacity	1	kW	1,01	1,07	1,85	2,03	1,90	2,00	2,82	2,95	2,83	2,96	4,06
Water flow rate	1	l/h	246	265	443	505	462	498	663	706	687	729	961
Water pressure drops	1	kPa	11,0	5,6	10,6	15,8	6,3	11,8	12,2	7,9	6,6	5,1	12,2
Heating capacity	2	kW	1,43	1,49	2,67	2,85	2,71	2,76	4,10	4,22	3,94	4,17	5,82
Water flow rate	2	l/h	246	257	460	491	467	475	706	727	679	718	1002
Water pressure drops	2	kPa	9,0	5,1	8,9	12,3	5,1	8,6	10,7	6,6	5,1	4,3	10,3
Rated power input		W	27	27	59	59	50	50	88	88	69	69	155
Standard power supply			230/1/50										
Supply fan type	3		CFG AC										
Supply fan number			1	1	2	2	2	2	2	2	2	3	3

1. Inlet water exchanger 7°C (temperature differential 5°C) - Ambient air 27°C D.B. / 19°C W.B.
2. Inlet water exchanger 45°C (temperature differential 5°C) - Ambient air 20°C
3. CFG = Centrifugal fan

General technical data

DUE-M1 CC4 Version

Size			14	24	34	44	54	64
High speed								
Airflow		m ³ /h	315	625	790	980	1240	1425
External static pressure		Pa	58	58	60	65	60	63
Cooling capacity	1	kW	1,65	2,23	3,55	5,35	7,67	10,00
Sensible capacity	1	kW	1,30	1,63	2,67	4,13	5,86	7,80
Water flow rate	1	l/h	284	384	611	922	1321	1722
Water pressure drops	1	kPa	9,2	23,0	19,0	23,0	21,0	39,0
Heating capacity	2	kW	1,29	1,92	3,03	4,22	6,31	7,80
Water flow rate	2	l/h	111	165	261	363	543	672
Water pressure drops	2	kPa	3,2	9,0	5,0	9,0	18,0	29,0
Rated power input		W	37	39	67	98	155	246
Medium speed								
Airflow		m ³ /h	225	305	540	835	1175	1638
External static pressure		Pa	50	50	50	50	50	50
Cooling capacity	1	kW	1,39	1,97	3,21	4,88	6,81	8,60
Sensible capacity	1	kW	1,00	1,42	2,38	3,71	5,11	6,50
Water flow rate	1	l/h	239	339	553	841	1173	1481
Water pressure drops	1	kPa	6,7	19,0	16,0	19,0	17,0	29,0
Heating capacity	2	kW	1,07	1,72	2,74	3,87	5,60	7,00
Water flow rate	2	l/h	92	148	236	333	482	603
Water pressure drops	2	kPa	2,4	7,0	4,0	7,0	14,0	27,0
Rated power input		W	21	29	43	67	100	160
Minimum speed								
Airflow		m ³ /h	110	240	430	595	900	1238
External static pressure		Pa	10	32	34	24	30	28
Cooling capacity	1	kW	0,75	1,64	2,72	3,84	5,66	6,75
Sensible capacity	1	kW	0,55	1,17	1,98	2,83	4,15	5,05
Water flow rate	1	l/h	129	282	469	661	975	1163
Water pressure drops	1	kPa	3,5	13,0	12,0	12,0	12,0	19,0
Heating capacity	2	kW	0,56	1,46	2,36	3,09	4,70	6,00
Water flow rate	2	l/h	47	126	203	266	405	517
Water pressure drops	2	kPa	1,1	5,0	3,0	5,0	11,0	20,0
Rated power input		W	7	18	27	30	52	84
Standard power supply			230/1/50					
Supply fan type	3		CFG AC					
Supply fan number			1	1	2	2	2	3

1. Inlet water exchanger 7°C (temperature differential 5°C) - Ambient air 27°C D.B. / 19°C W.B.
2. Inlet water exchanger 65°C (temperature differential 10°C) - Ambient air 20°C
3. CFG = Centrifugal fan

DUA-M1 CC4 Version

Size			14	24	34	44	54	64
High speed								
Airflow		m³/h	315	625	790	980	1240	1425
External static pressure		Pa	58	58	60	65	60	63
Cooling capacity	1	kW	2,00	3,60	4,72	5,47	7,11	7,70
Sensible capacity	1	kW	1,44	2,70	3,55	4,22	5,36	5,89
Water flow rate	1	l/h	345	620	813	942	1225	1326
Water pressure drops	1	kPa	19,5	19,6	17,7	23,2	18,7	21,7
Heating capacity	2	kW	1,76	3,02	3,91	4,49	5,8	6,35
Water flow rate	2	l/h	152	260	337	387	500	547
Water pressure drops	2	kPa	7,5	4,8	7,5	9,6	15,3	18,1
Rated power input		W	51	94	110	148	145	186
Medium speed								
Airflow		m³/h	290	575	720	850	1120	1270
External static pressure		Pa	50	50	50	50	50	50
Cooling capacity	1	kW	1,88	3,40	4,42	4,97	6,62	7,11
Sensible capacity	1	kW	1,35	2,53	3,30	3,77	4,94	5,37
Water flow rate	1	l/h	324	586	761	856	1140	1225
Water pressure drops	1	kPa	17,4	17,7	15,7	19,4	16,4	18,8
Heating capacity	2	kW	1,66	2,85	3,68	4,10	5,44	5,90
Water flow rate	2	l/h	143	245	317	353	469	508
Water pressure drops	2	kPa	6,8	4,3	6,7	8,2	13,7	15,8
Rated power input		W	45	87	96	122	125	177
Minimum speed								
Airflow		m3/h	205	395	380	600	580	905
External static pressure		Pa	25	26	14	23	15	26
Cooling capacity	1	kW	1,43	2,57	2,68	3,85	3,99	5,58
Sensible capacity	1	kW	1,01	1,85	1,90	2,82	2,83	4,06
Water flow rate	1	l/h	246	443	462	663	687	961
Water pressure drops	1	kPa	10,5	10,6	6,3	12,2	6,6	12,2
Heating capacity	2	kW	1,30	2,22	2,38	3,26	3,48	4,72
Water flow rate	2	l/h	112	191	205	281	300	407
Water pressure drops	2	kPa	4,4	2,8	3,1	5,4	6,1	10,6
Rated power input		W	27	59	50	88	69	155
Standard power supply			230/1/50					
Supply fan type	3		CFG AC					
Supply fan number			1	2	2	2	2	3

1. Inlet water exchanger 7°C (temperature differential 5°C) - Ambient air 27°C D.B. / 19°C W.B.
2. Inlet water exchanger 65°C (temperature differential 10°C) - Ambient air 20°C
3. CFG = Centrifugal fan

General technical data

DUE-H1 CC2 Version

Size			12	22	32	42	52*	62*
High speed								
Airflow		m ³ /h	1310	1780	2390	3080	3920	5205
External static pressure		Pa	70	85	75	80	70	74
Cooling capacity	1	kW	5,61	7,94	10,81	13,99	18,17	24,30
Sensible capacity	1	kW	4,72	6,44	8,72	11,23	14,75	20,30
Water flow rate	1	l/h	966	1368	1862	2410	3130	4186
Water pressure drops	1	kPa	8,7	15,8	21,6	21,7	21,4	31,8
Heating capacity	2	kW	7,76	10,62	13,06	18,08	23,25	29,76
Water flow rate	2	l/h	1337	1829	2250	3114	4005	5126
Water pressure drops	2	kPa	13,7	18,8	21,4	23,9	25,4	33,1
Rated power input		W	144	225	340	530	609	636
Medium speed								
Airflow		m ³ /h	1100	1360	1950	2440	3320	4295
External static pressure		Pa	50	50	50	50	50	50
Cooling capacity	1	kW	5,11	6,86	9,70	12,39	16,70	21,91
Sensible capacity	1	kW	4,18	5,36	7,61	9,65	13,26	17,79
Water flow rate	1	l/h	880	1182	1671	2134	2877	3774
Water pressure drops	1	kPa	7,2	11,8	17,4	16,9	17,9	25,9
Heating capacity	2	kW	6,80	8,64	11,25	15,15	20,51	25,83
Water flow rate	2	l/h	1171	1488	1938	2610	3533	4449
Water pressure drops	2	kPa	10,7	12,9	16,4	17,4	20,3	25,6
Rated power input		W	88	110	195	253	383	330
Minimum speed								
Airflow		m ³ /h	780	940	1380	1840	2400	2825
External static pressure		Pa	26	24	25	28	25	22
Cooling capacity	1	kW	4,14	5,44	7,87	10,47	13,73	16,91
Sensible capacity	1	kW	3,24	4,08	5,93	7,90	10,46	12,84
Water flow rate	1	l/h	713	937	1356	1803	2365	2913
Water pressure drops	1	kPa	4,9	7,7	11,7	12,2	12,3	15,9
Heating capacity	2	kW	5,18	6,42	8,64	12,13	15,90	18,63
Water flow rate	2	l/h	892	1106	1488	2089	2739	3209
Water pressure drops	2	kPa	6,5	7,5	10,1	11,6	12,8	14,2
Rated power input		W	40	44	80	110	166	106
Standard power supply			230/1/50					
Supply fan type	3		CFG EC					
Supply fan number			2	2	2	2	2	2

1. Inlet water exchanger 7°C (temperature differential 5°C) - Ambient air 27°C D.B. / 19°C W.B.
2. Inlet water exchanger 45°C (temperature differential 5°C) - Ambient air 20°C
3. CFG = Centrifugal fan

* Sizes not covered by Eurovent certification

DUA-H1 CC2 Version

Size			12	22	32	42	52*	62*
High speed								
Airflow		m³/h	1734	1825	2440	3020	3850	5062
External static pressure		Pa	75	80	70	67	70	70
Cooling capacity	1	kW	8,89	8,16	10,70	13,60	17,76	25,31
Sensible capacity	1	kW	6,58	6,62	8,65	10,90	14,37	19,74
Water flow rate	1	l/h	1590	1406	1843	2343	3059	4608
Water pressure drops	1	kPa	8,9	17,0	23,0	21,0	19,4	15,3
Heating capacity	2	kW	7,67	10,10	13,13	16,53	22,93	29,60
Water flow rate	2	l/h	1321	1740	2296	2847	3950	5350
Water pressure drops	2	kPa	11,3	18,3	24,8	21,3	22,8	16,9
Rated power input		W	358	285	470	570	760	1334
Medium speed								
Airflow		m³/h	801	1410	2075	2580	3280	3546
External static pressure		Pa	50	50	50	50	50	50
Cooling capacity	1	kW	4,83	7,01	9,76	12,40	16,19	20,06
Sensible capacity	1	kW	3,53	5,48	7,68	9,70	12,80	15,04
Water flow rate	1	l/h	856	1207	1681	2136	2789	3600
Water pressure drops	1	kPa	3,8	13,0	20,0	18,0	16,3	10,1
Heating capacity	2	kW	6,44	8,27	11,80	14,92	20,32	22,47
Water flow rate	2	l/h	1109	1425	2033	2570	3500	4507
Water pressure drops	2	kPa	8,2	12,7	20,2	17,7	18,3	10,2
Rated power input		W	152	230	420	490	617	909
Minimum speed								
Airflow		m3/h	790	840	1710	2070	2740	2127
External static pressure		Pa	25	15	30	35	35	35
Cooling capacity	1	kW	4,17	4,99	8,71	10,90	14,54	13,70
Sensible capacity	1	kW	3,25	3,66	6,67	8,25	11,21	10,00
Water flow rate	1	l/h	718	860	1500	1878	2505	2473
Water pressure drops	1	kPa	5,0	7,0	16,0	14,0	13,3	5,2
Heating capacity	2	kW	4,98	5,57	10,2	12,79	17,67	14,57
Water flow rate	2	l/h	858	959	1774	2203	3044	2639
Water pressure drops	2	kPa	5,2	6,2	15,6	13,4	13,3	4,8
Rated power input		W	115	170	350	390	500	693
Standard power supply			230/1/50					
Supply fan type	3		CFG AC					
Supply fan number			2	2	2	2	2	2

1. Inlet water exchanger 7°C (temperature differential 5°C) - Ambient air 27°C D.B. / 19°C W.B.
2. Inlet water exchanger 45°C (temperature differential 5°C) - Ambient air 20°C
3. CFG = Centrifugal fan

* Sizes not covered by Eurovent certification

General technical data

DUE-H1 CC4 Version

Size			14	24	34	44	54*	64*
High speed								
Airflow		m³/h	1264	1750	2350	3040	3858	5140
External static pressure		Pa	70	85	75	80	70	74
Cooling capacity	1	kW	5,98	7,87	10,70	13,90	19,38	24,10
Sensible capacity	1	kW	4,61	6,35	8,61	11,13	15,12	20,09
Water flow rate	1	l/h	1053	1356	1843	2394	3436	4151
Water pressure drops	1	kPa	3,9	15,5	21,2	21,4	10,7	31,4
Heating capacity	2	kW	4,80	6,25	8,02	10,75	14,25	34,54
Water flow rate	2	l/h	431	538	691	926	1295	2975
Water pressure drops	2	kPa	12,2	26,4	17,3	33,0	31,4	41,3
Rated power input		W	144	225	340	530	609	661
Medium speed								
Airflow		m³/h	1040	1340	1920	2400	3300	4235
External static pressure		Pa	50	50	50	50	50	50
Cooling capacity	1	kW	4,94	6,79	9,59	12,27	16,62	21,71
Sensible capacity	1	kW	4,01	5,30	7,51	9,53	13,19	17,59
Water flow rate	1	l/h	851	1170	1652	2113	2863	3740
Water pressure drops	1	kPa	6,8	11,6	17,1	16,6	16,3	25,4
Heating capacity	2	kW	4,18	5,42	7,20	9,48	12,67	30,58
Water flow rate	2	l/h	360	467	620	816	1091	2634
Water pressure drops	2	kPa	13,4	20,4	14,3	26,3	25,7	33,2
Rated power input		W	88	115	200	253	384	343
Minimum speed								
Airflow		m³/h	750	920	1350	1810	2428	2629
External static pressure		Pa	26	24	25	28	25	22
Cooling capacity	1	kW	4,04	5,36	7,76	10,36	14,38	14,94
Sensible capacity	1	kW	3,14	4,01	5,83	7,79	10,79	10,75
Water flow rate	1	l/h	696	923	1337	1785	2500	2588
Water pressure drops	1	kPa	4,9	7,5	11,4	12,0	6,1	5,6
Heating capacity	2	kW	3,43	4,33	5,90	8,06	10,88	22,98
Water flow rate	2	l/h	295	373	508	694	962	1979
Water pressure drops	2	kPa	9,4	13,6	9,9	19,6	18,4	19,8
Rated power input		W	40	44	80	110	164	124
Standard power supply			230/1/50					
Supply fan type	3		CFG EC					
Supply fan number			2	2	2	2	2	2

1. Inlet water exchanger 7°C (temperature differential 5°C) - Ambient air 27°C D.B. / 19°C W.B.
2. Inlet water exchanger 65°C (temperature differential 10°C) - Ambient air 20°C
3. CFG = Centrifugal fan

* Sizes not covered by Eurovent certification

DUA-H1 CC4 Version

Size			14	24	34	44	54*	64*
High speed								
Airflow		m³/h	1350	1775	2390	2960	3800	4993
External static pressure		Pa	75	80	70	67	70	70
Cooling capacity	1	kW	5,79	8,03	10,58	13,47	16,73	25,79
Sensible capacity	1	kW	4,87	6,49	8,51	10,72	13,56	19,86
Water flow rate	1	l/h	997	1383	1822	2320	2882	4658
Water pressure drops	1	kPa	9,0	16,0	23,0	20,0	17,4	15,8
Heating capacity	2	kW	4,81	6,30	8,08	10,60	13,64	35,13
Water flow rate	2	l/h	414	543	696	913	1175	3175
Water pressure drops	2	kPa	17,5	26,3	18,1	33,9	38,4	22,5
Rated power input		W	185	275	460	570	760	1310
Medium speed								
Airflow		m³/h	1090	1390	2045	2545	3245	3531
External static pressure		Pa	50	50	50	50	50	50
Cooling capacity	1	kW	5,11	6,96	9,67	12,34	15,31	20,52
Sensible capacity	1	kW	4,16	5,42	7,60	9,61	12,13	15,34
Water flow rate	1	l/h	880	1199	1666	2126	2637	3600
Water pressure drops	1	kPa	7,0	13,0	19,0	17,0	14,7	10,4
Heating capacity	2	kW	4,29	5,53	7,44	9,95	12,55	27,97
Water flow rate	2	l/h	369	476	641	857	1081	2516
Water pressure drops	2	kPa	14,2	20,8	15,6	29,9	32,9	14,8
Rated power input		W	155	225	415	490	617	894
Minimum speed								
Airflow		m3/h	770	840	1680	2055	2700	2117
External static pressure		Pa	25	15	30	35	35	35
Cooling capacity	1	kW	4,09	4,99	8,61	10,85	13,75	13,99
Sensible capacity	1	kW	3,18	3,66	6,58	8,21	10,62	10,07
Water flow rate	1	l/h	705	860	1483	1869	2368	2520
Water pressure drops	1	kPa	5,0	7,0	15,7	13,8	12,0	5,4
Heating capacity	2	kW	3,49	4,09	6,70	8,95	11,34	19,34
Water flow rate	2	l/h	301	352	577	771	977	1746
Water pressure drops	2	kPa	9,8	12,0	12,9	24,6	27,4	7,7
Rated power input		W	115	170	345	390	500	689
Standard power supply			230/1/50					
Supply fan type	3		CFG AC					
Supply fan number			2	2	2	2	2	2

1. Inlet water exchanger 7°C (temperature differential 5°C) - Ambient air 27°C D.B. / 19°C W.B.
2. Inlet water exchanger 65°C (temperature differential 10°C) - Ambient air 20°C
3. CFG = Centrifugal fan

* Sizes not covered by Eurovent certification

General technical data

Electrical data

Version	Power supply	Size	Motor absorption (kW)	Absorbed current (A)
DUE-M1	230/1/50	12-14-22	0,055	0,5
		24-32-42	0,052	0,4
		34-52-62	0,134	1,1
		44-72-82	0,131	1,1
		54-92-102	0,303	1,4
		64-112-122	0,42	2,6

Version	Power supply	Size	Motor absorption (kW)	Absorbed current (A)
DUA-M1	230/1/50	12-14-22	0,06	0,3
		24-32-42	0,115	0,5
		34-52-62	0,132	0,6
		44-72-82	0,185	0,9
		54-92-102	0,175	0,8
		64-112-122	0,26	1,2

Version	Power supply	Size	Motor absorption (kW)	Absorbed current (A)
DUE-H1	230/1/50	12-14	0,165	1,15
		22-24	0,375	1,7
		32-34	0,545	2,4
		42-44	0,53	2,35
		52-54	1,045	4,6
		62-64	1,01	4,5

Version	Power supply	Size	Motor absorption (kW)	Absorbed current (A)
DUA-H1	230/1/50	12-14	0,24	1,09
		22-24	0,34	1,6
		32-34	0,523	2,45
		42-44	0,66	3,2
		52-54	0,885	4,01
		62-64	1,437	6,38

Flow and water content limits

Model	Size	Main coil		Auxiliary coil (CC4 version)	
		Flow rate limits [l/h] Min - Max	Water content [lt]	Flow rate limits [l/h] Min - Max	Water content [lt]
DUE-M1	12	60-500	0,5		
	14	60-500	0,5	30-300	0,2
	22	60-750	0,7		
	24	100-750	0,9	50-350	0,3
	32	100-750	0,9		
	34	150-1000	1,6	100-590	0,5
	42	150-1000	1,3		
	44	200-2000	1,9	100-750	0,6
	52	150-1000	1,6		
	54	300-3000	3,2	100-1100	0,9
	62	150-1500	2,2		
	64	250-3300	3,7	100-1650	2
	72	200-2000	1,9		
	82	300-2250	2,8		
	92	300-3000	3,2		
	102	400-3300	4,2		
	112	250-3300	3,7		
	122	300-3500	4,8		
Model	Size	Main coil		Auxiliary coil (CC4 version)	
		Flow rate limits [l/h] Min - Max	Water content [lt]	Flow rate limits [l/h] Min - Max	Water content [lt]
DUA-M1	12	100-750	0,9		
	14	100-750	0,9	50-350	0,3
	22	150-1000	1,3		
	24	150-1000	1,6	100-590	0,5
	32	150-1000	1,6		
	34	200-2000	1,9	100-750	0,6
	42	150-1500	2,2		
	44	200-2000	1,9	100-750	0,6
	52	200-2000	1,9		
	54	300-3000	3,2	100-750	0,9
	62	300-2250	2,8		
	64	300-3000	3,2	100-1100	0,9
	72	200-2000	1,9		
	82	300-2250	2,8		
	92	300-3000	3,2		
	102	400-3300	4,2		
	112	300-3000	3,2		
	122	400-3300	4,2		

General technical data

Operating limits

	min water inlet temperature [°C]	max water inlet temperature [°C]	Max operating pressure: [bar]
DUA-M1/ DUE-M1	6	85	16
DUA-H1 / DUE-H1	6	80	16

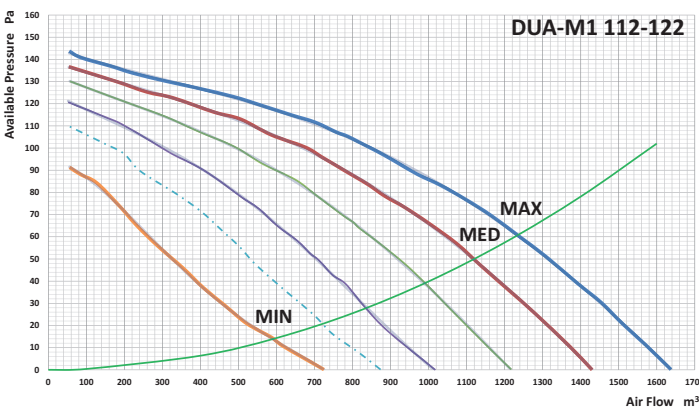
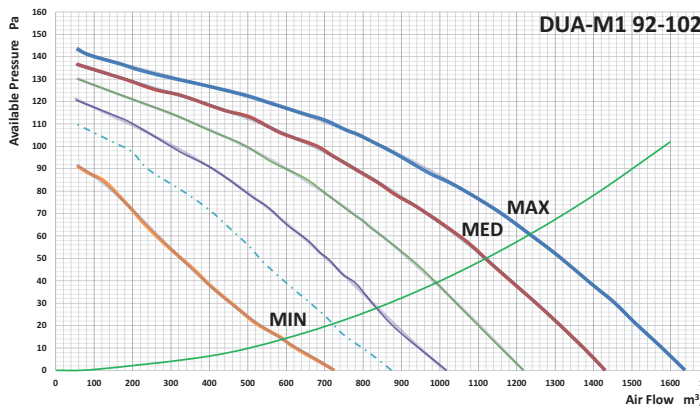
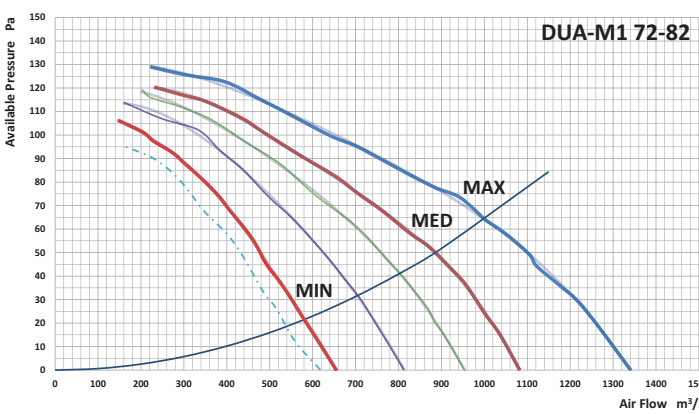
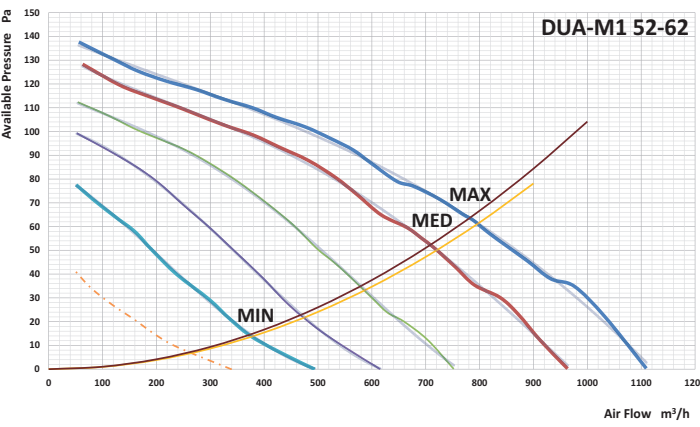
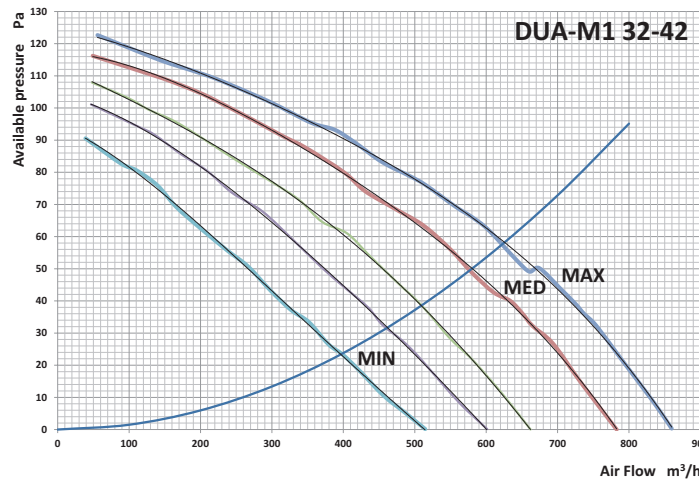
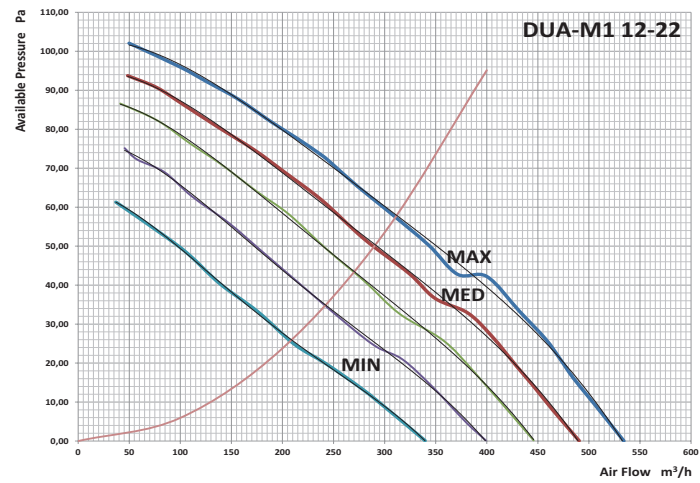
Sound level

DUE-M1			12-14-22	24-32-42	34-52-62	44-72-82	54-92-102	64-112-122
High speed	Sound power levels (return + radiated)	dB(A)	55	55	58	62	64	66
	Sound power levels (supply)	dB(A)	48	48	49	55	57	59
Medium speed	Sound power levels (return + radiated)	dB(A)	43	44	47	52	54	56
	Sound power levels (supply)	dB(A)	41	42	46	53	52	54
Minimum speed	Sound power levels (return + radiated)	dB(A)	29	38	42	44	47	49
	Sound power levels (supply)	dB(A)	27	36	39	42	45	47
DUA-M1			12-14-22	24-32-42	34-52-62	44-72-82	54-92-102	64-112-122
High speed	Sound power levels (return + radiated)	dB(A)	52	56	58	62	60	63
	Sound power levels (supply)	dB(A)	43	49	51	55	52	56
Medium speed	Sound power levels (return + radiated)	dB(A)	50	55	56	59	58	60
	Sound power levels (supply)	dB(A)	42	47	48	52	50	53
Minimum speed	Sound power levels (return + radiated)	dB(A)	42	45	43	51	46	53
	Sound power levels (supply)	dB(A)	34	38	36	44	38	46
DUE-H1			12-14	22-24	32-34	42-44	52-54	62-64
High speed	Sound power levels (return + radiated)	dB(A)	61	63	66	69	73	75
	Sound power levels (supply)	dB(A)	59	61	64	67	71	73
Medium speed	Sound power levels (return + radiated)	dB(A)	55	57	62	64	70	72
	Sound power levels (supply)	dB(A)	52	55	60	62	67	69
Minimum speed	Sound power levels (return + radiated)	dB(A)	48	48	55	58	61	60
	Sound power levels (supply)	dB(A)	45	45	52	55	58	57
DUA-H1			12-14	22-24	32-34	42-44	52-54	62-64
High speed	Sound power levels (return + radiated)	dB(A)	60	64	67	68	72	76
	Sound power levels (supply)	dB(A)	58	61	65	66	70	73
Medium speed	Sound power levels (return + radiated)	dB(A)	55	59	64	65	69	70
	Sound power levels (supply)	dB(A)	52	56	62	63	67	67
Minimum speed	Sound power levels (return + radiated)	dB(A)	47	47	60	61	65	62
	Sound power levels (supply)	dB(A)	44	44	57	59	63	63

1. Sound levels tested in an anechoic chamber for 2-pipe system units.

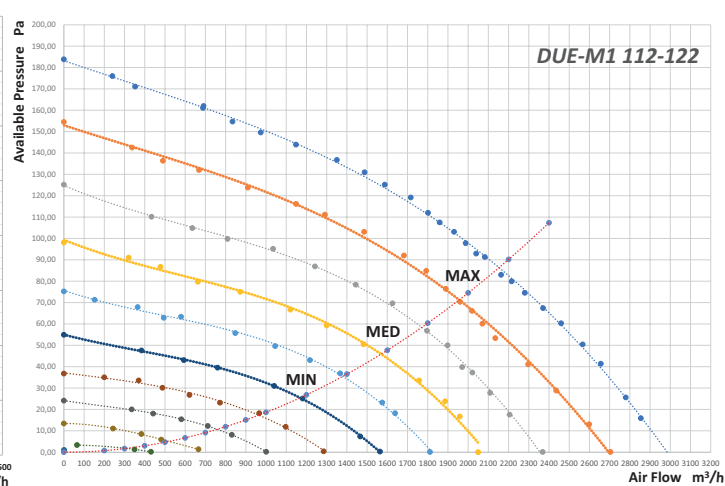
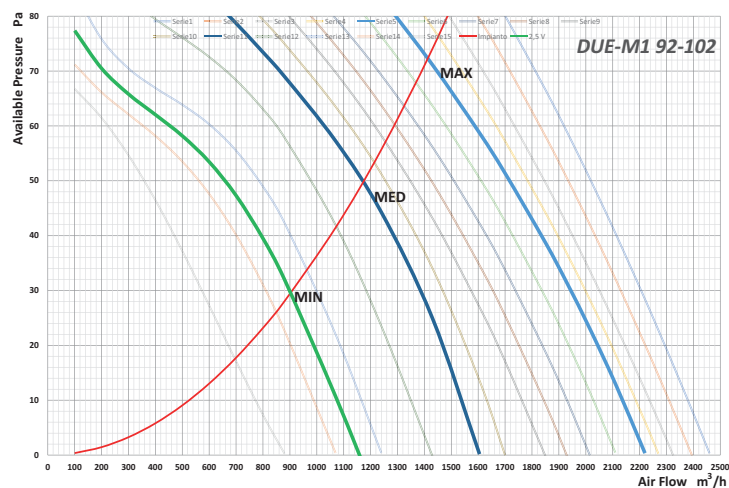
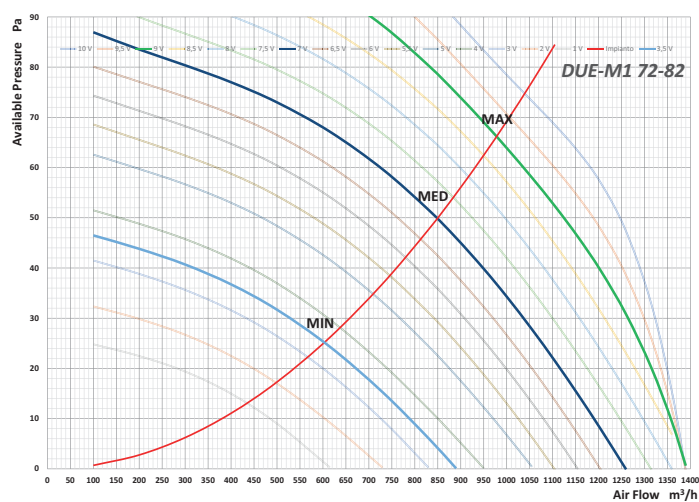
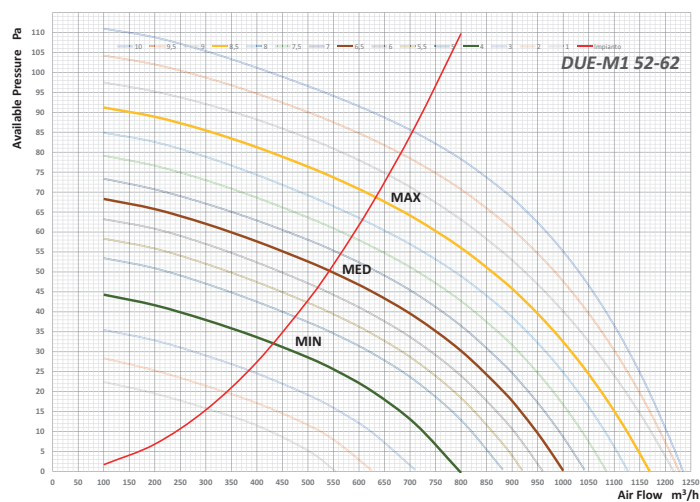
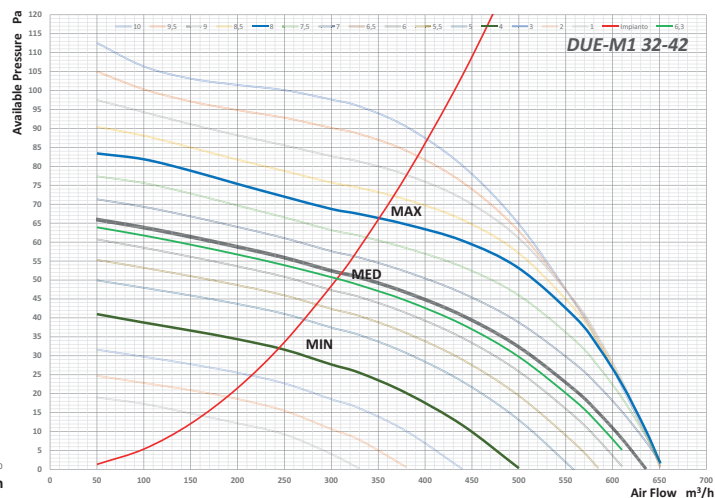
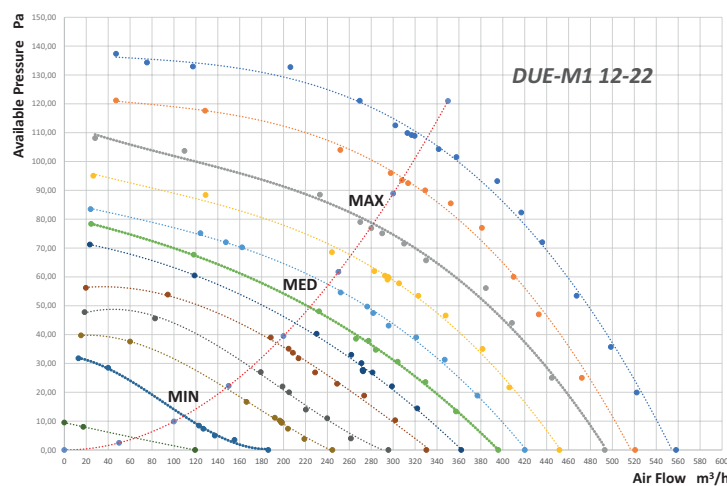
* Sizes not covered by Eurovent certification

Fan Curves - DUA-M1

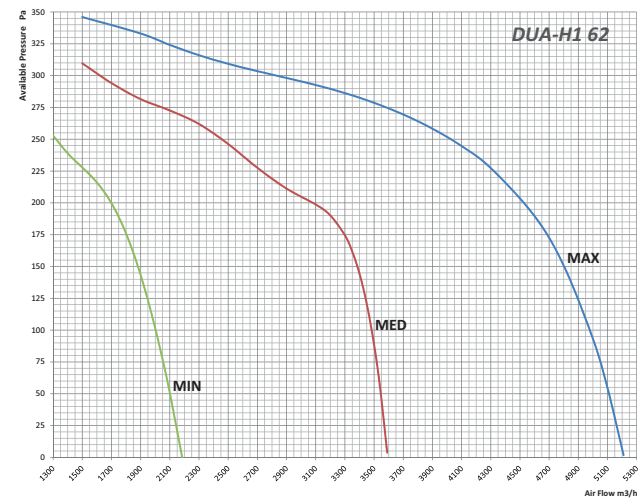
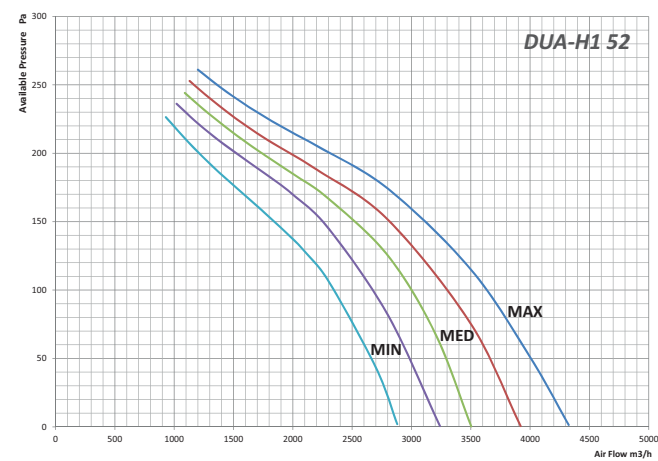
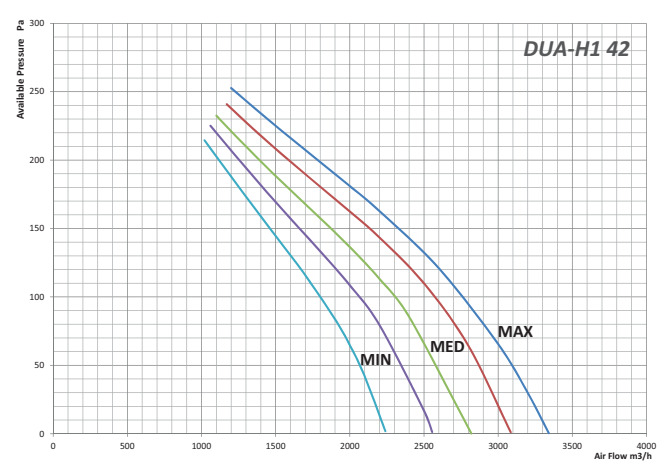
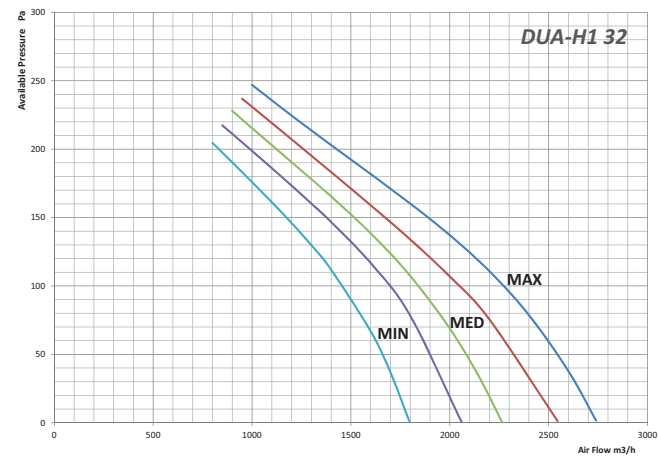
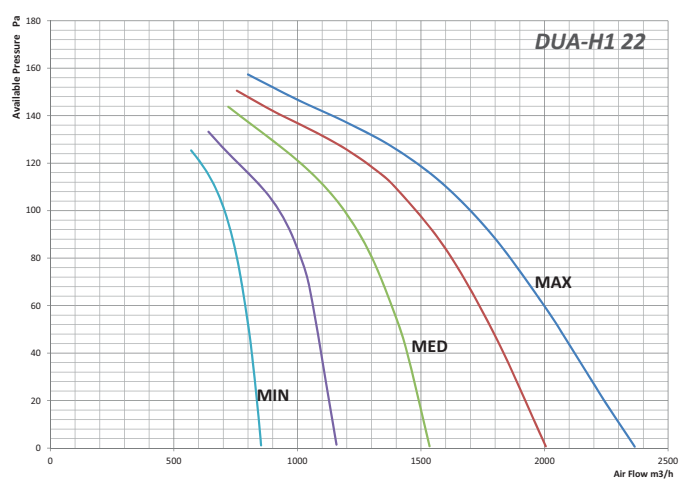
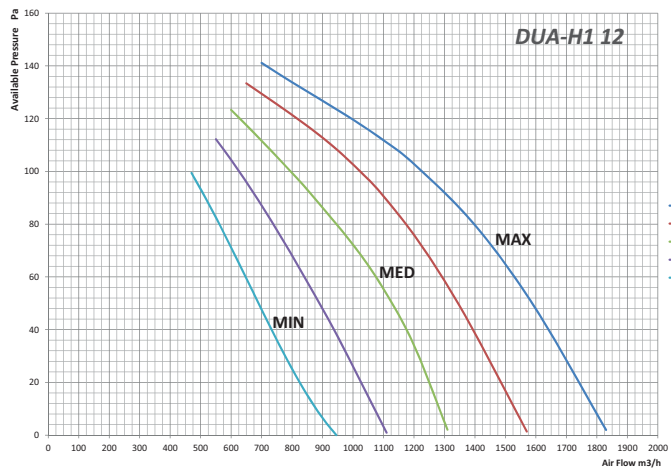


General technical data

Fan Curves - DUE-M1

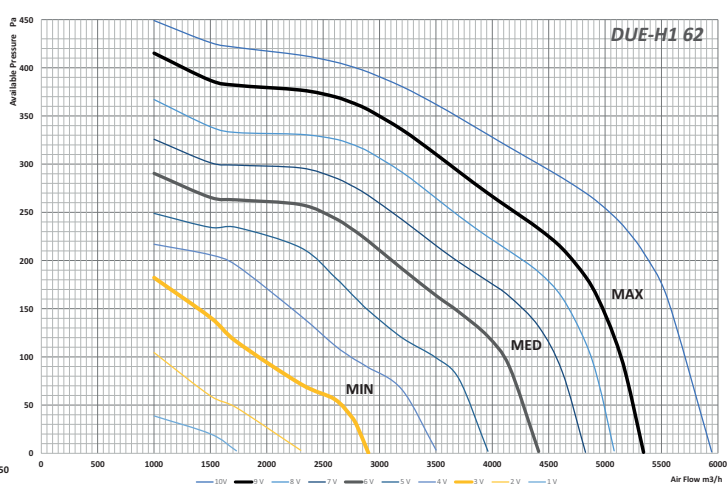
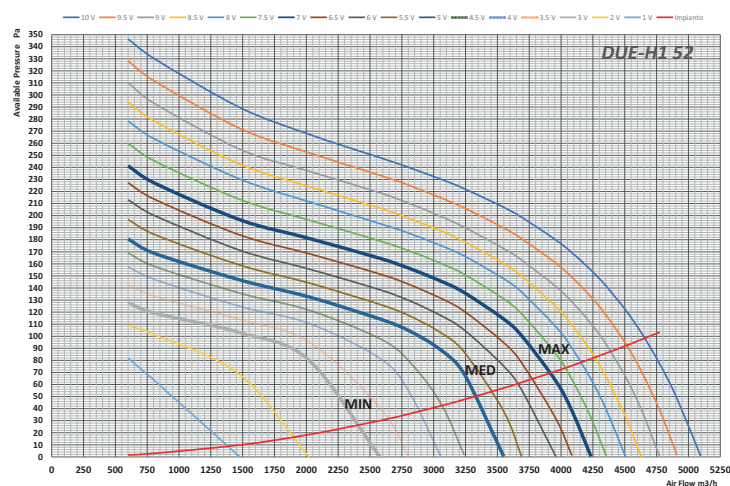
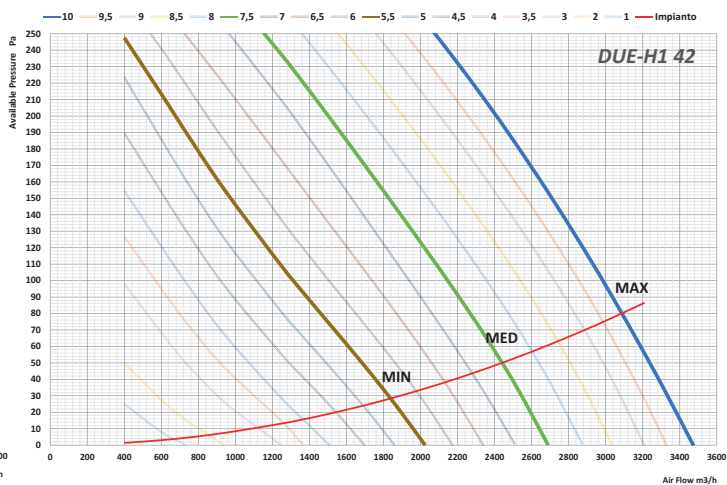
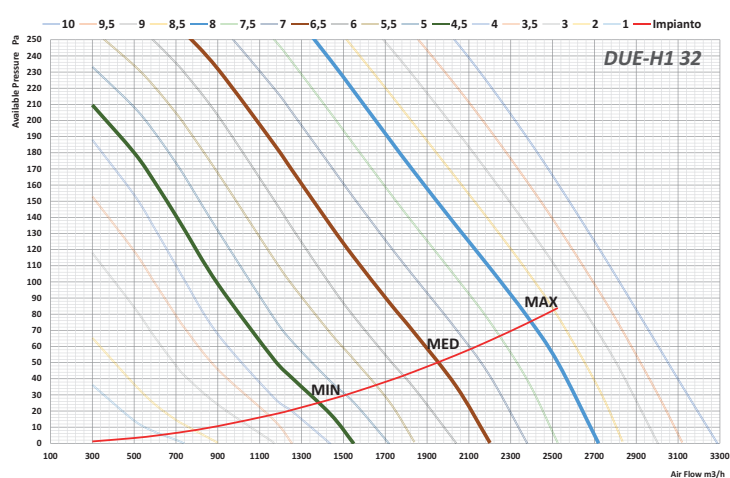
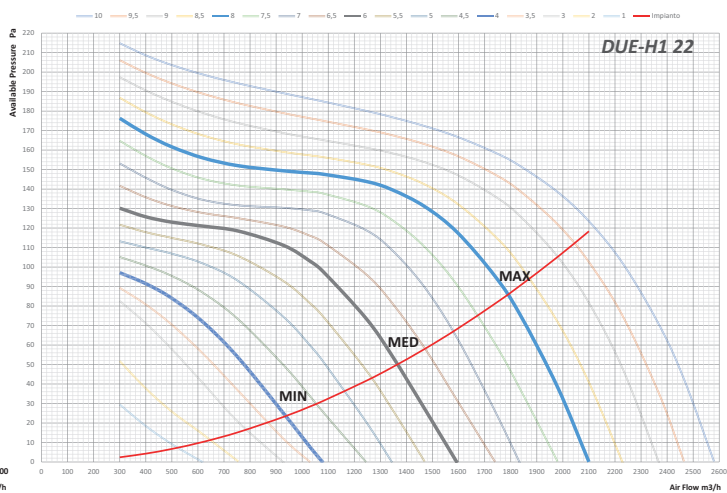
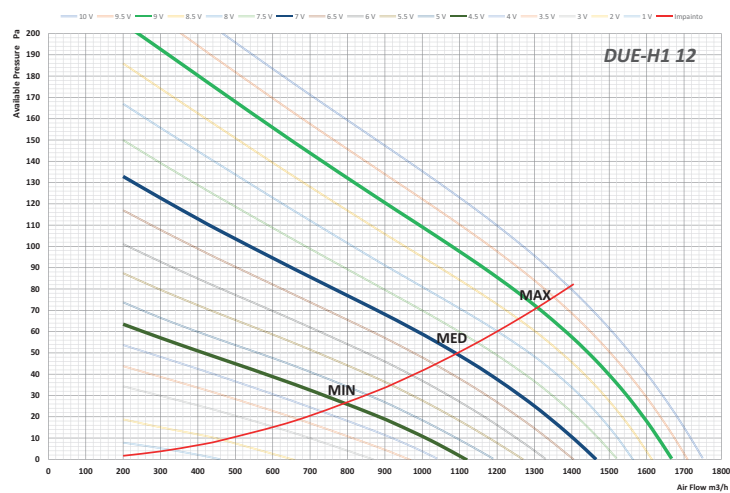


Fan Curves - DUA-H1



General technical data

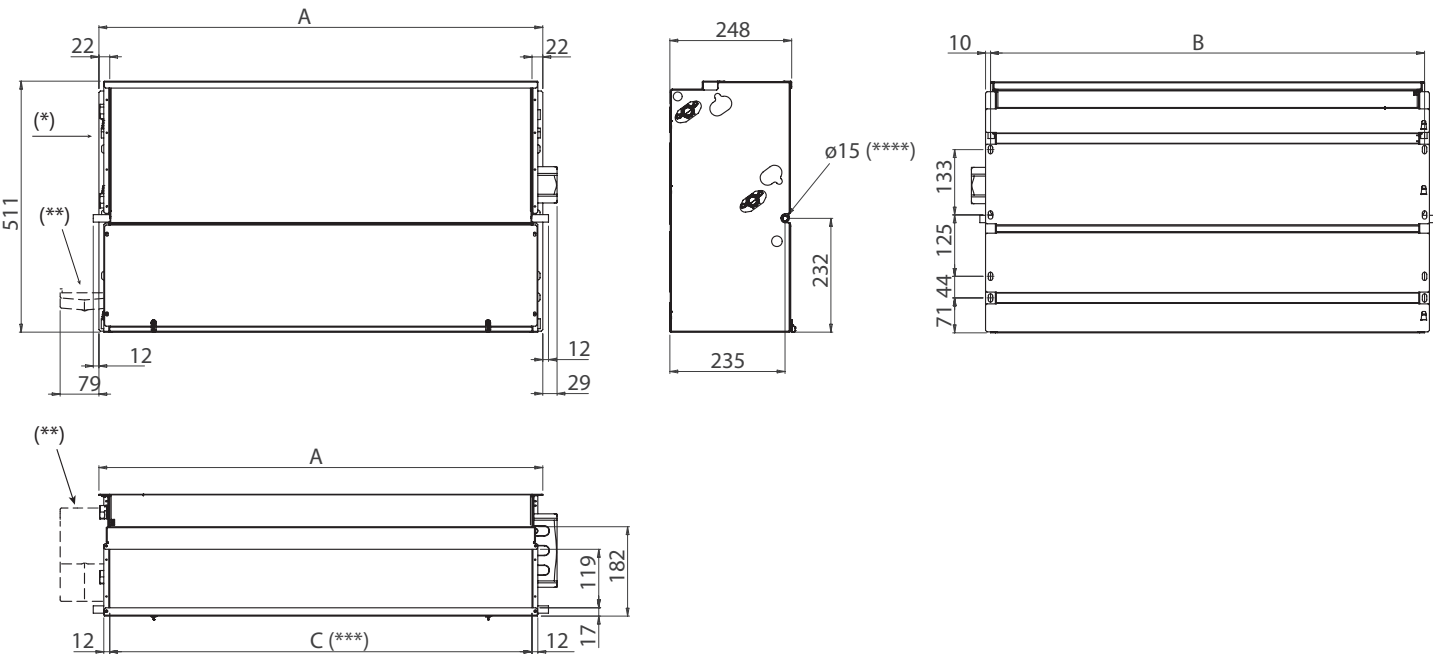
Fan Curves - DUA-H1



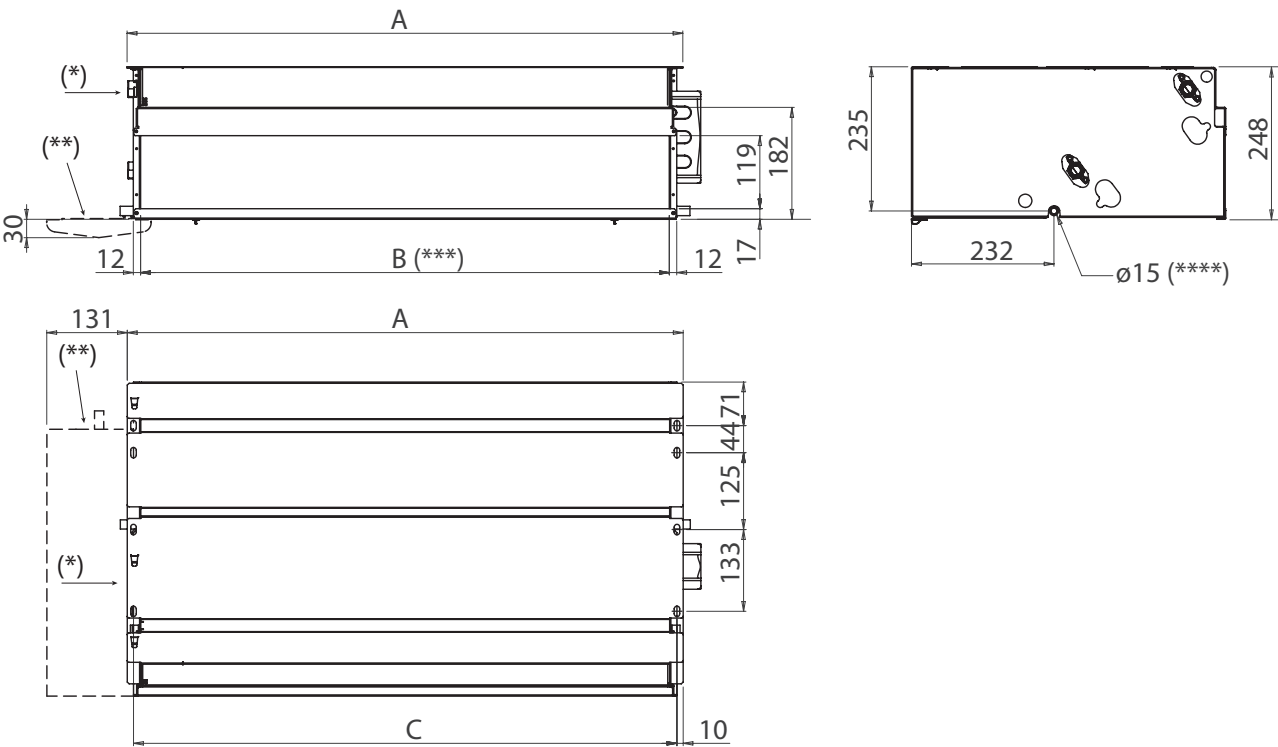
Dimensional drawings

DUA-M1 / DUE-M1

Vertical installation



Horizontal installation



Dimensional drawings

DUA-M1

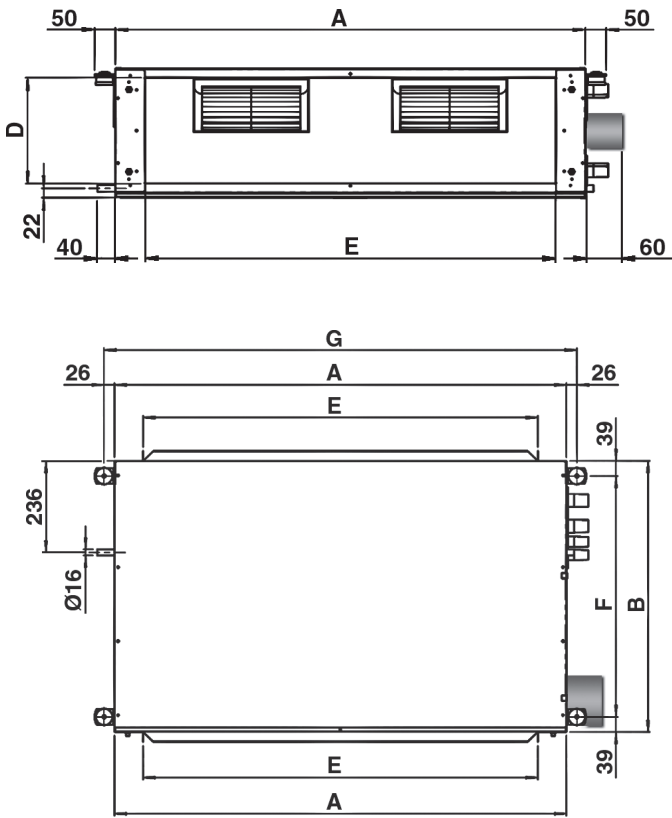
Size		12-14-22	24-32-42	34-52-62	44-72-82	54-92-102	64-112-122
A	mm	689	904	1119	1334	1549	1549
B	mm	645	860	1075	1290	1505	1505
C	mm	669	884	1099	1314	1529	1529

DUE-M1

Size		12-14-22	24-32-42	34-52-62	44-72-82	54-92-102	64-112-122
A	mm	474	689	904	1119	1549	1764
B	mm	430	645	860	1075	1505	1720
C	mm	454	669	884	1099	1529	1744

Dimensional drawings

DUA-H1 / DUE-H1
Horizontal installation



Size		12-14	22-24	32-34	42-44	52-54	62-64
A	mm	1133	1133	1133	1445	1445	1535
B	mm	698	698	698	853	853	1100
D	mm	255	255	305	293	368	421
E	mm	991	991	991	1302	1302	1393
F	mm	620	620	620	775	775	1022
G	mm	1185	1185	1185	1497	1497	1587

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