



THE RANGE THAT MEETS ALL NEEDS

.....

The careful process of selecting system requirements and design is expanding in Italy. Thanks to continuous technological research for this purpose, an exclusive hydronic pump range has found its place on the market.

HEATING therefore incorporates a selection of excellent products for **heating, air conditioning** and **DHW production** for the residential and commercial sectors.

HEATING

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Air-water heat pump	
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HEATING

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MONOBLOC R32

OUTDOOR UNITS



Single phase 5-7-9 kW

HCEWMS 500 Z

HCEWMS 700 Z

HCEWMS 900 Z



Single phase 12-14-16 kW

HCEWMS 1200 - 1400 - 1600 Z

Three-phase 12-14-16 kW

HCVWMS 1202 - 1402 - 1602 Z



Three-phase 18-22-24-30 kW

HCVWMS 1802 - 2202 Z

HCVWMS 2602- 3002 Z

NEW

DUAL STAGE COMPRESSOR



The dual stage compressor reduces any vibrations during rotation, effectively dampening noise.

BROAD OPERATING RANGE



COOLING

-5°/+46°

(outside temperature)

PRODUCT PLUSES



3 operating modes

Auto, cooling, heating.



Disinfect

Activation of the anti-legionella function.

CIRCULATOR



Circulation pump included.



HEATING

-25°/+35°

(outside temperature)



Timer

Daily and weekly.



Silent mode

Setting of two sound dampening levels and two timers.



DHW PRODUCTION

-25°/+43°

(outside temperature)



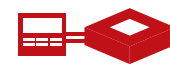
Holiday mode

Timer setting during a selected period.



Recirculation pump

Pump on and off settable using the timer.



MODBUS

Wired remote control connection to MODBUS systems.



WiFi

Remote connection via built-in WiFi.

HEATING

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MONOBLOC R32

4 OPERATING MODES

 COOLING

 HEATING

 DOMESTIC HOT WATER

 AUTOMATIC

3 COMBINED OPERATING MODES

 COOLING + DHW

 HEATING + DHW

 AUTOMATIC + DHW



HEATING + DHW
operating mode

SYSTEM

Climatic curve management

The system lets the user set 2 curves for each thermal zone:

- climatic curve in heating mode;
- climatic curve in cooling mode.

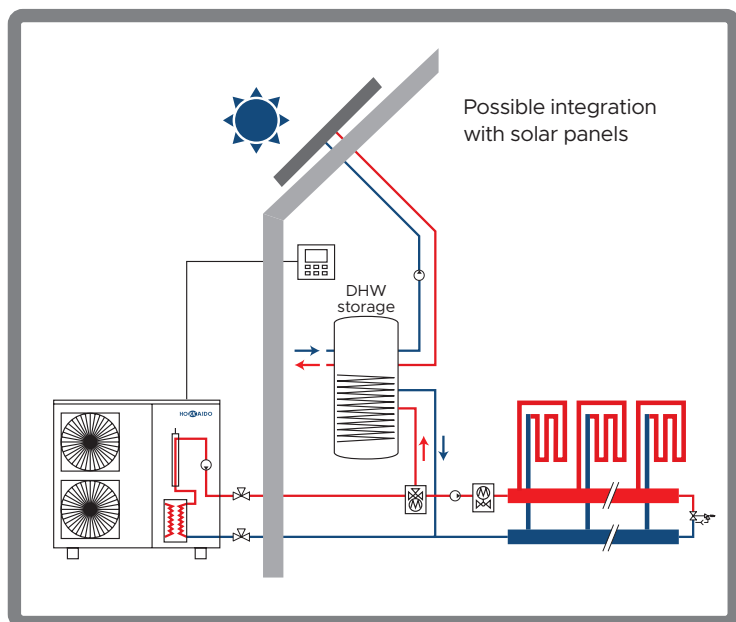
Up to 8 different climate curves can be selected for each mode, depending on the outside ambient temperature.

INSTALLATION FLEXIBILITY

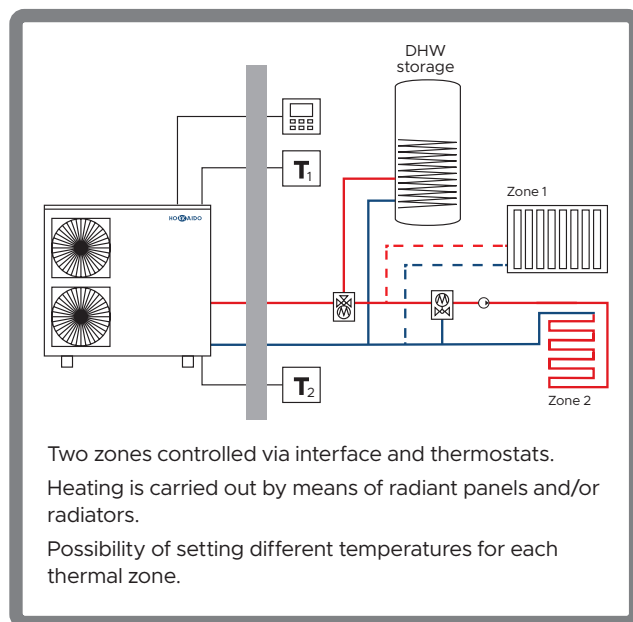
The monobloc in R32 offers extensive installation flexibility. Depending on the needs of the end user, the system lets you:

- heat and cool rooms with radiant floors, high efficiency radiators and/or fan coils;
- produce domestic hot water;
- integrate the tank with thermal solar panels;
- set the maximum operating current.

Hydraulic connections diagram



Dual-zone system



HEATING

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MONOBLOC R32



Single phase 5-7-9 kW
HCEWMS 500 Z
HCEWMS 700 Z
HCEWMS 900 Z

ENERGY EFFICIENCY CLASS

A+++

In heating mode with **35° C** delivery water temperature.

ENERGY EFFICIENCY CLASS

A++

In heating mode with **55° C** delivery water temperature

Model				HCEWMS 500 Z	HCEWMS 700 Z	HCEWMS 900 Z
Heating	Rated power	A7//W35	kW	4.65	6.65	8.60
	Electrical absorption			0.93	1.35	1.87
	Performance coefficient			5.00	4.93	4.60
	Rated power	A7//W45	kW	4.80	6.70	8.60
	Electrical absorption			1.33	1.88	2.50
	Performance coefficient			3.61	3.56	3.44
	Seasonal energy efficiency (ηs)	35/55	%	176/127	176/127	177/126
Energy efficiency class	35/55	-	A+++/A++	A+++/A++	A+++/A++	
Cooling	Rated power	A35//W18	kW	4.60	6.45	8.00
	Electrical absorption			0.95	1.39	1.92
	Energy efficiency			4.84	4.64	4.17
	Rated power	A35//W7	kW	4.85	6.30	7.95
	Electrical absorption			1.63	2.27	3.15
	Energy efficiency			2.98	2.78	2.52
Operating limits	Outside air temperature	Heating	°C	-25~35		
		Cooling		-5~43		
		DHW		-25~43		
	Delivery water temperature	Heating	°C	25~60		
		Cooling		5~25		
		DHW		40~60		
Refrigerant	Type (GWP)		R32 (675)			
	Quantity (tons CO2)		kg (t)	2.0 (1.350)		
	Control system		Electronic expansion valve			
Type of compressor				Twin Rotary - DC Inverter		
Internal circulator				WILO Yonos PARA RS 15/6 RKC		
Expansion tank	Volume		L	2		
	Pre-load		bar	1.5		
Hydraulic connections	Water inlet/outlet		Inches	1"M	1"M	1"M
	Power supply		Ph-V-Hz	1ph-220~240V-50Hz		
Electrical data	Maximum current		A	14.1		
	Power cable		type	3x4 mm²		
Control	Standard			Wire remote control		
Sound pressure level at 1 m	Max		dB(A)	48.8	52.3	54.5
Sound power level	Max		dB(A)	61	64	67
Dimensions	LxDxH		mm	1210x402x945		
Net weight			kg	92		

NOTE: The data contained above refer to the following standards: EN14511:2013; EN14825:2013; EN50564:2011; EN12102:2011; (EU)No:811:2013; (EU)No:813:2013; OJ 2014/C 207/02:2014.

HEATING

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MONOBLOC R32



Single phase 12-14-16 kW

HCEWMS 1200 - 1400 - 1600 Z

Three-phase 12-14-16 kW

HCVWMS 1202 - 1402 - 1602 Z

ENERGY EFFICIENCY CLASS

A++

In heating mode with **35°C** delivery water temperature.

ENERGY EFFICIENCY CLASS

A++

In heating mode with **55°C** delivery water temperature.

Model				HCEWMS 1200 Z	HCEWMS 1400 Z	HCEWMS 1600 Z	HCVWMS 1202 Z	HCVWMS 1402 Z	HCVWMS 1602 Z
Heating	Rated power	A7//W35	kW	12.30	14.10	16.30	12.30	14.10	16.30
	Electrical absorption			2.56	3.07	3.66	2.54	3.05	3.63
	Performance coefficient			4.80	4.59	4.45	4.84	4.62	4.49
	Rated power	A7//W45	kW	12.40	14.10	16.20	12.40	14.10	16.20
	Electrical absorption			3.52	4.06	4.72	3.45	3.99	4.70
	Performance coefficient			3.52	3.47	3.43	3.59	3.53	3.45
	Seasonal energy efficiency (ηs)	35/55	%	169/126	168/128	169/128	169/126	168/128	169/128
Energy efficiency class	35/55	-	A++/A++	A++/A++	A++/A++	A++/A++	A++/A++	A++/A++	
Cooling	Rated power	A35//W18	kW	12.20	14.00	15.50	12.20	14.00	15.50
	Electrical absorption			2.55	3.10	3.64	2.53	3.11	3.63
	Energy efficiency			4.78	4.52	4.26	4.82	4.50	4.27
	Rated power	A35//W7	kW	10.90	12.90	13.80	10.90	12.90	13.80
	Electrical absorption			3.74	4.64	5.21	3.72	4.62	5.19
	Energy efficiency			2.91	2.78	2.65	2.93	2.79	2.66
Operating limits	Outside air temperature	Heating	°C	-25~35			-25~35		
		Cooling		-5~46			-5~46		
		DHW		-25~43			-25~43		
	Delivery water temperature	Heating	°C	25~60			25~60		
		Cooling		5~25			5~25		
		DHW		40~60			40~60		
Refrigerant	Type (GWP)		R32 (675)			R32 (675)			
	Quantity (tons CO2)	kg (t)	2.8 (1.890)			2.8 (1.890)			
	Control system		Electronic expansion valve			Electronic expansion valve			
Type of compressor				Twin Rotary - DC Inverter			Twin Rotary - DC Inverter		
Internal circulator				WILO Yonos PARA RS 25/7.5 RKC			WILO Yonos PARA RS 25/7.5 RKC		
Expansion tank	Volume	L	5			5			
	Pre-load	bar	1.5			1.5			
Hydraulic connections	Water inlet/outlet	Inches	1-1/4"M	1-1/4"M	1-1/4"M	1-1/4"M	1-1/4"M	1-1/4"M	
Electrical data	Power supply	Ph-V-Hz	1ph-230V-50Hz			3ph-400V-50Hz			
	Maximum current	A	26.8			11			
	Power cable	type	3x6 mm²			5x2.5 mm²			
Control	Standard				Wire remote control			Wire remote control	
Sound pressure level at 1 m	Max	dB(A)	57.6	58	58.1	57.2	58.1	59	
Sound power level	Max	dB(A)	68	71	71	68	71	71	
Dimensions	LxDxH	mm	1404x405x1414			1404x405x1414			
Net weight		kg	158			172			

NOTE: The data contained above refer to the following standards: EN14511:2013; EN14825:2013; EN50564:2011; EN12102:2011; (EU)No:811:2013; (EU)No:813:2013; OJ 2014/C 207/02:2014.

HEATING

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MONOBLOC R32

NEW



Three-phase
18-22-26-30 kW
HCVWMS 1802 Z
HCVWMS 2202 Z
HCVWMS 2602 Z
HCVWMS 3002 Z

ENERGY EFFICIENCY CLASS

A+++

In heating mode with **35°C** delivery water temperature (models from 18 to 26 kW).

ENERGY EFFICIENCY CLASS

A++

In heating mode with **55°C** delivery water temperature (models from 18 to 22 kW).

Model				HCVWMS 1802 Z		HCVWMS 2202 Z		HCVWMS 2602 Z		HCVWMS 3002 Z		
Heating	Rated power	A7//W35	kW	18.00		22.00		26.00		30.10		
	Electrical absorbtion		3.83		5.00		6.37		7.70			
	Performance coefficient		4.70		4.40		4.08		3.91			
	Rated power	A7//W45	kW	18.00		22.00		26.00		30.00		
	Electrical absorbtion		5.143		6.471		8.387		10.345			
	Performance coefficient		3.50		3.40		3.10		2.90			
	Seasonal energy efficiency (ηs)	35/55	%	171.1/121.2		168.2/124.2		164.2/122.4		156.2/122.6		
Energy efficiency class	35/55	-	A+++ / A++		A+++ / A++		A+++ / A++		A++ / A+			
Cooling	Rated power	A35//W18	kW	18.50		23.00		27.00		31.00		
	Electrical absorbtion		3.895		5.00		6.279		7.75			
	Energy efficiency		4.75		4.60		4.30		4.00			
	Rated power	A35//W7	kW	17.00		21.00		26.00		29.50		
	Electrical absorbtion		5.574		7.119		9.63		11.569			
	Energy efficiency		3.05		2.95		2.70		2.55			
Operating limits	Outside air temperature	Heating	°C	-25~35								
		Cooling		-5~46								
		DHW		-25~43								
	Delivery water temperature	Heating	°C	25~60								
		Cooling		5~25								
		DHW		40~60								
Refrigerant	Type (GWP)		R32 (675)									
	Quantity (tons CO2)		kg (t)	5 (3.375)								
	Control system		Electronic expansion valve									
Type of compressor				Twin Rotary - DC Inverter								
Internal circulator				WILO Yonos PARA RS 25/7.5 RKC								
Expansion tank	Volume		L	8								
	Pre-load		bar	1.0								
Hydraulic connections	Water inlet/outlet		Inches	1-1/4" BSP		1-1/4" BSP		1-1/4" BSP		1-1/4" BSP		
	Power supply		Ph/V/Hz	3ph-400V-50Hz								
Electrical data	Maximum current		A	16.80		19.60		21.60		22.80		
	Power cable		type	5x6 mm ²								
Wire control	Standard (included)			Wire remote control								
Sound pressure level at 1 m		Max	dB(A)	57.6		59.8		61.5		63.5		
Sound power level		Max	dB(A)	71		73		75		77		
Dimensions		LxDxH		mm		1129x440x1558		1129x440x1558		1129x440x1558		
Net weight				kg		177		177		177		

NOTE: The data contained above refer to the following standards: EN14511:2013; EN14825:2013; EN50564:2011; EN12102:2011; (EU)No:811:2013; (EU)No:813:2013; OJ 2014/C 207/02:2014.



HEATING

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HP SPLIT R32

NEW

OUTDOOR UNITS



Single phase 4~6 kW
HCEMS 400 Z
HCEMS 600 Z



Single phase 8~10 kW
HCEMS 800 Z
HCEMS 1000 Z

INDOOR UNIT



Single phase
HHNMS 4-6 Z
HHNMS 8-10 Z

TANK



WT-XL-DW1-200~500C
WT-AP-DW1-300~500C

COP 5.15 (4.20 kW)

CLASS ENERGY RATING

A+++ / A++



Eco mode

Energy saving function.



Disinfect

Activation of the anti-legionella function.



Timer

Daily and weekly.



Silent mode

Setting of two sound dampening levels and two timers.



Holiday mode

Timer setting during a selected period.



WiFi

Remote connection via built-in WiFi.



MODBUS

Wired remote control connection to MODBUS systems.

WIDE RANGE OF AMBIENT TEMPERATURE



COOLING

-5°/+43°

(outside temperature)



HEATING

-25°/+35°

(outside temperature)



DHW PRODUCTION

-25°/+43°

(outside temperature)

WIDE RANGE OF WATER TEMPERATURE



COOLING

+7°/+30°



HEATING

+25°/+60°



DHW PRODUCTION

+40°/+60°



HEATING

.....

HP SPLIT R32

4 OPERATING MODES

 COOLING

 HEATING

 DOMESTIC HOT WATER

 AUTOMATIC

3 COMBINED OPERATING MODES

 COOLING + DHW

 HEATING + DHW

 AUTOMATIC + DHW

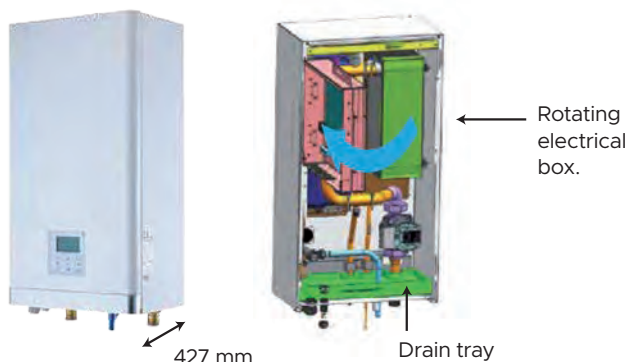


HEATING + DHW
operating mode

SIMPLE INSTALLATION AND MAINTENANCE

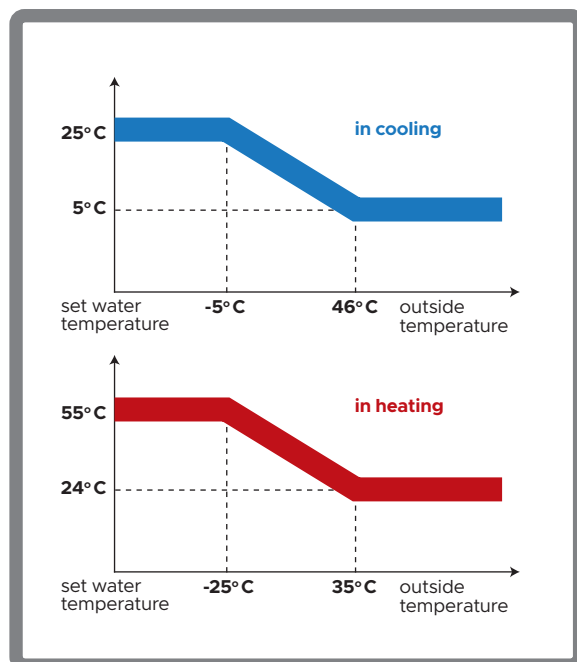
Extremely compact hydronic model (427 mm deep), suitable for replacing existing boilers.

The electrical box can be rotated to permit easy component installation and maintenance.



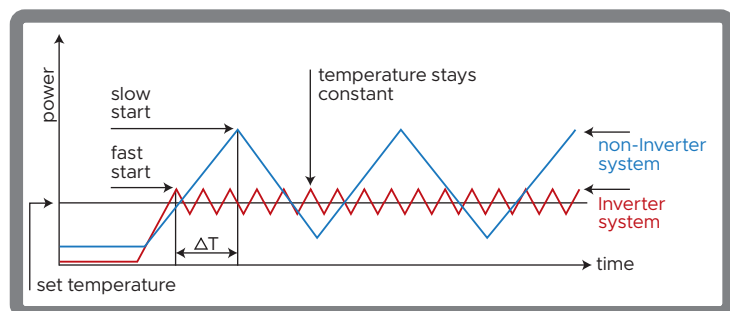
32 CLIMATIC CURVES

Absolute comfort with a climate curve that adapts to the climate. There are 32 pre-set climate curves to choose from, plus one customisable curve. Once the curve is selected, the unit sets the outlet water temperature according to the outside temperature.



CONSTANT WATER TEMPERATURE

Compressor rotation is precise and ensures that the water temperature is kept constant around a set value.

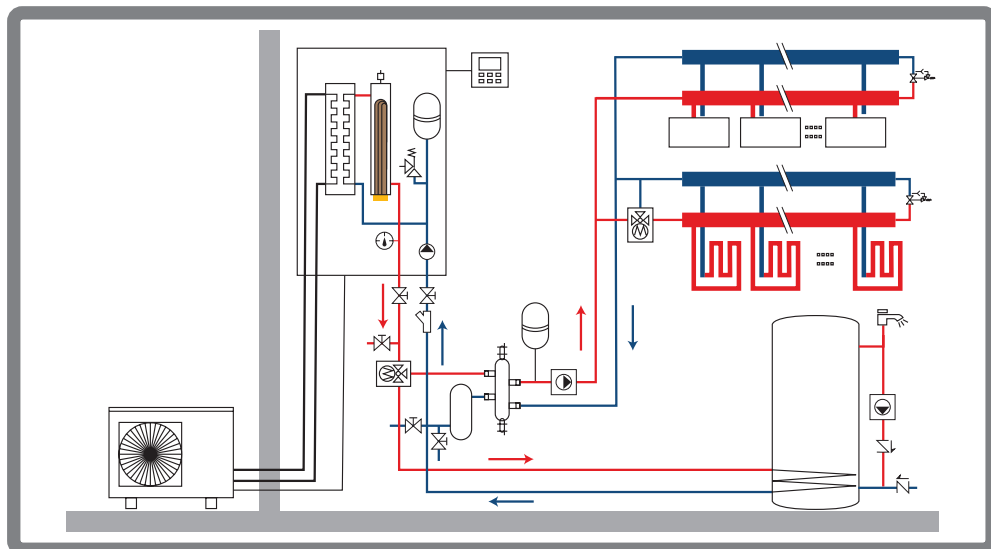


HEATING

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HP SPLIT R32

SYSTEM DIAGRAM



Outdoor unit model				HCEMS 400 Z	HCEMS 600 Z	HCEMS 800 Z	HCEMS 1000 Z
Heating	Rated power	A7/W35	kW	4.20	6.50	8.40	10.00
	Electrical absorption			0.82	1.35	1.73	2.15
	Performance coefficient		COP	5.15	4.85	4.85	4.65
	Rated power	A7/W45	kW	4.20	6.35	8.05	9.85
	Electrical absorption			1.15	1.74	2.16	2.72
	Performance coefficient		COP	3.65	3.64	3.73	3.65
	Rated power	A7/W55	kW	4.10	5.75	7.50	9.30
	Electrical absorption			1.44	1.98	2.49	3.25
	Performance coefficient		COP	2.85	2.90	3.01	2.86
	Seasonal energy efficiency (ηs)	35/55	%	187.5/130.6	187.5/130.6	188.4/128	188.4/128
Cooling	Energy efficiency class	35/55	-	A+++/A++	A+++/A++	A+++/A++	A+++/A++
	Rated power	A35/W18	kW	4.30	6.45	8.35	10.20
	Electrical absorption			0.77	1.32	1.79	2.40
	Energy efficiency		EER	5.60	4.88	4.67	4.25
	Rated power	A35/W7	kW	4.50	6.50	7.38	8.15
	Electrical absorption			1.36	2.20	2.44	2.76
Operating limits	Outside air temperature	Heating	°C	-25~35	-25~35	-25~35	-25~35
		Cooling		-5~43	-5~43	-5~43	-5~43
		DHW		-25~43	-25~43	-25~43	-25~43
				-25~43	-25~43	-25~43	-25~43
Electrical data	Power supply		Ph/V/Hz	1ph-220~240V-50Hz	1ph-220~240V-50Hz	1ph-220~240V-50Hz	1ph-220~240V-50Hz
	Maximum current		A	11.30	11.30	16.70	16.70
	Power cable		type	3x2.5 mm ²	3x2.5 mm ²	3x4 mm ²	3x4 mm ²
Refrigerant circuit	Refrigerant (GWP)			R32 (675)	R32 (675)	R32 (675)	R32 (675)
	Pre-charge quantity (tons CO2)		kg (t)	1.55 (1.046)	1.55 (1.046)	1.65 (1.114)	1.65 (1.114)
	Diameter of refrigerant piping on liquid/gas		mm (inches)	ø6.35(1/4") - ø15.88(5/8")		ø9.52(3/8") - ø15.88(5/8")	
	Max./Min. splitting length		m	30/2	30/2	30/2	30/2
	Max height difference O.U.-I.U./I.U.-O.U.		m	20/15	20/15	20/15	20/15
	Splitting length without additional load		m	15	15	15	15
	Additional load		g/m	20	20	38	38
Compressor	Type			Twin Rotary - DC Inverter	Twin Rotary - DC Inverter	Twin Rotary - DC Inverter	Twin Rotary - DC Inverter
Sound pressure level at 1 m (maximum value detected in tests)			dB(A)	46.5	49.5	49.3	52.4
Sound power level (maximum value detected in tests)			dB(A)	61	62	63	65
Fan air flow			m ³ /h	3300	3300	5000	5000
Dimensions	LxDxH		mm	960x380x860	960x380x860	1075x395x965	1075x395x965
Net	Weight		kg	57	57	67	67
Indoor unit model				HHNMS 4-6 Z		HHNMS 8-10 Z	
Operating limits	Delivery water temperature	Heating	°C	25~60		25~60	
		Cooling		7~30		7~30	
		DHW		40~60		40~60	
Electrical data	Power supply		Ph/V/Hz	1ph-220~240V-50Hz		1ph-220~240V-50Hz	
	Electrical integration		kW	Not present		Not present	
	Maximum current		A	0.40		0.40	
	Power cable		type	3x1.5 mm ²		3x1.5 mm ²	
Expansion tank	Volume		L	5		5	
	Pre-load		bar	1.5		1.5	
Circulation pump	Flow rate		L/h	600~1250		600~2100	
	Max static pressure		m	8.5		8.5	
Water/freon exchanger			type	Plate heat exchanger		Plate heat exchanger	
Maximum operating pressure			bar	3.0		3.0	
Hydraulic connections	Water inlet/outlet		Inches	ø1" BSP		ø1" BSP	
Sound power level			dB(A)	43		43	
Dimensions	LxDxH		mm	400x427x850		400x427x850	
Net	Weight		kg	47		47	
Wire control	Standard (included)			DHWZ CEM-Z	DHWZ CEM-Z	DHWZ CEM-Z	DHWZ CEM-Z

NOTE: The data contained above refer to the following standards: EN14511:2013; EN14825:2013; EN50564:2011; EN12102:2011; (EU)No:811:2013; (EU)No:813:2013; OJ 2014/C 207/02:2014.



HEATING

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FAN COIL - HYDRONIC TERMINALS

NEW

THERMAL COMFORT FOR ALL SEASONS, IN A SINGLE DEVICE

Hokkaido FAN COIL terminals are cutting-edge products in terms of design, performance, quiet, consumption and functionality. They are perfect for all environments that need to be air conditioned, by heating or cooling, 365 days a year, 24 hours a day. Their versatility and ability to maintain indoor comfort make them products that can be installed both in homes and in other spaces such as offices, hotels, hospitals, airports, libraries, museums, archives, warehouses and basements.

BRUSHLESS MOTOR

Hokkaido FAN COILS are new energy-saving products with advanced DC technology.

These fan coils feature high energy efficiency, low noise operation and precise temperature control.

They are ideal for hospitals, offices, hotels, airports and various other applications.



DC Inverter motor

STANDARD INFRA-RED REMOTE CONTROL



4-way
84x84 cassette



4-way
60x60 cassette
Wall

Individual control

- Operating mode and temperature control.
- Speed control.
- Louver control.

THE DC BRUSHLESS FAN MOTOR IS THE TECHNOLOGICAL HEART OF THE HOKKAIDO FAN COIL RANGE

- High energy efficiency.
- Economic savings.
- Significant reduction in energy consumption compared to traditional fan coils with AC motor.
- Reduced CO2 emissions.

QUIET

The noise of the unit is 2-5 dB (A) lower than that of a fan coil unit with an AC motor, keeping the living environment quiet.



CENTRALIZED CONTROL FOR ALL TYPES OF FAN COILS

DHC TRKF-M



Centralized control

- LCD display.
- Soft touch buttons.
- Operating mode and temperature control.
- Speed control (high/medium/low).
- Daily on/off timer.
- Manages up to 64 fan coils.

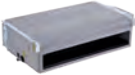


HEATING

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FAN COIL - HYDRONIC TERMINALS

NEW

	models	250	300	500	700	750	800	950	1000	1200	1500
Cassette	compact 60x60  HTFMM W		•	•							
	84x84  HTBMM W					•		•		•	•
Ducted	 HRDMM W			•			•		•	•	
Wall	 HKEMM W	•		•			•				
Floor/ceiling	exposed  HFLMM W			•	•		•				
	recessed  HFYMM W			•	•		•				

OPTIONAL WIRE CONTROLS FOR FLOOR/CEILING AND DUCTED MODELS

The exposed, recessed and ducted floor/ceiling models allow the use of two optional wire control models (simplified or with MODBUS).

DHW FLY-RD-M



Individual control

- LCD display.
- Operating mode and temperature control.
- Speed control (7 levels).

DHWM FLY-RD-M



Individual control with MODBUS

- LCD display.
- Operating mode and temperature control.
- Speed control.
- Daily on/off timer.
- Eco mode.
- Compatible with MODBUS systems.

HEATING - FAN COIL - HYDRONIC TERMINALS

NEW

Compact cassette 60x60

HTFMM 300-500 W



Standard 8-way 360° panel

Compact dimensions: (261 mm height)

Condensate drain pump included

Pre-cut for outside air inflow

Remote control included

Model			HTFMM 300 W		HTFMM 500 W	
Power supply		V/Ph/Hz	220-240/1/50			
Air flow (H/M/L) ¹		m³/h	535/429/322		781/611/494	
Cooling ²	Power (H/M/L)	kW	2.98/2.53/2.00		4.2/3.48/3.01	
	Water flow (H/M/L)	m³/h	0.53/0.45/0.35		0.75/0.61/0.54	
	Water load loss (H/M/L)	kPa	10/7/5		12.32/8.62/7.4	
Water heating 45° C ³	Power (H/M/L)	kW	2.61/2.31/2.24		4.95/3.99/3.26	
	Water flow (H/M/L)	m³/h	0.64/0.54/0.42		0.87/0.70/0.58	
	Water load loss (H/M/L)	kPa	12.1/8.5/5.3		9.4/8.23/6.1	
Water heating 55° C ⁴	Power (H/M/L)	kW	4.01/3.35/2.61		5.76/4.69/3.84	
	Water flow (H/M/L)	m³/h	0.53/0.45/0.35		0.75/0.61/0.54	
	Water load loss (H/M/L)	kPa	8.2/6/3.8		11.41/6.5/5.41	
Electrical absorption (H)		W	15		33	
Sound pressure (H/M/L) ⁶		dB(A)	39/33/27		43/38/32	
Fan motor	Type		DC Brushless			
	Quantity		1			
Fan	Type		Centrifugal with forward curved blades			
	Quantity		1		1	
Coil	Rows		2		2	
	Maximum pressure	Pa	1.6			
Panel	Net dimensions (LxHxD)	mm	647x50x647		647x50x647	
	Net weight	kg	2.5		2.5	
	Gross weight	kg	4.5		4.5	
Cassette Body	Net dimensions (LxHxD)	mm	575x261x575		575x261x575	
	Net weight	kg	16.5		16.5	
	Gross weight	kg	22.5		22.5	
Hydraulic connections			G3/4			
Drain		mm	OD 25			

Cassette 84x84

HTBMM 750-950-1200-1500 W



Condensate drain pump included

Pre-cut for outside air inflow

Remote control included

Model			HTBMM 750 W		HTBMM 950 W		HTBMM 1200 W		HTBMM 1500 W	
Power supply			V/Ph/Hz		220-240/1/50					
Air flow (H/M/L) ¹			m³/h		1229/1020/810		1530/1224/1101		1581/1371/1236	
Cooling ²	Power (H/M/L)		kW		6,12/5,45/4,60		7,84/6,84/6,35		7,87/7,12/6,67	
	Water flow (H/M/L)		m³/h		1,10/0,96/0,81		1,43/1,24/1,13		1,44/1,28/1,22	
	Water load loss (H/M/L)		kPa		21,3/21,3/12,4		22/17/14,1		22,3/18,1/16,3	
Water heating 45° C ³	Power (H/M/L)		kW		6,27/5,88/5,43		8,49/8/7,35		9,16/8,54/7,90	
	Water flow (H/M/L)		m³/h		1,39/1,20/1,00		1,71/1,45/1,33		1,73/1,57/1,46	
	Water load loss (H/M/L)		kPa		30/22,7/16,3		28,1/20,7/17,4		28,8/24,0/20,7	
Water heating 55° C ⁴	Power (H/M/L)		kW		8,62/7,49/6,27		10,86/9,24/8,49		10,92/9,84/9,16	
	Water flow (H/M/L)		m³/h		1,10/0,96/0,81		1,43/1,24/1,13		1,44/1,28/1,22	
	Water load loss (H/M/L)		kPa		19,1/14,8/10,6		19,9/15,2/12,6		20,0/16,2/14,7	
Electrical absorption (H)			W		49		76		85	
Sound pressure (H/M/L) ⁶			dB(A)		44/40/34		46/42/39		48/44/41	
Fan motor	Type	DC Brushless								
	Quantity	1								
Fan	Type	Centrifugal with forward curved blades								
	Quantity	1		1		1		1		
Coil	Rows	2		2		2		3		
	Maximum pressure	Pa		1,6						
Panel	Net dimensions (LxHxD)	mm		950x45x950		950x45x950		950x45x950		
	Net weight	kg		6		6		6		
	Gross weight	kg		9		9		9		
Cassette Body	Net dimensions (LxHxD)	mm		840x300x840		840x300x840		840x300x840		
	Net weight	kg		23		27		29,5		
	Gross weight	kg		28		33		34,5		
Hydraulic connections			"		G3/4					
Drain			mm		ØD 32					

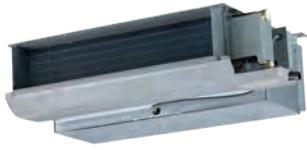
NOTES (1) H: High speed; M: Medium speed; L: Low speed - Useful static pressure recessed version: 12 Pa. (2) Cooling conditions: water in 7° C/ΔT 5° C; air in 27° C DB/19° C WB. (3) Heating conditions: water in 45° C, ΔT 5° C; air in 20° C DB. (4) Heating conditions: water in 55° C, ΔT 5° C; air in 20° C DB. (5) Heating conditions: water in 70° C, ΔT 10° C; air in 20° C DB. (6) Noise level tested in a semi-anechoic chamber, distance 1 m.

HEATING - FAN COIL - HYDRONIC TERMINALS

NEW

Ducted up to 50 Pa

HRDMM 500-800-1000-1200 W



Pre-cut for outside air inflow

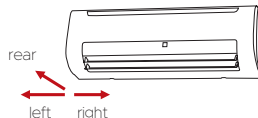
Remote control included

Model			HRDMM 500 W	HRDMM 800 W	HRDMM 1000 W	HRDMM 1200 W
Power supply		V/Ph/Hz	220-240/1/50			
Air flow (H/M/L) ¹		m³/h	887/620/443	1492/1071/797	1824/1332/906	2327/1669/1135
Static pressure		Pa	12 Pa (default); 30/50 Pa settable via switch on PCB			
Cooling ²	Power (H/M/L)	kW	3.83/3.16/2.55	6.7/5.49/4.45	7.92/6.62/5.15	9.83/8.5/6.46
	Water flow (H/M/L)	m³/h	0.68/0.56/0.46	1.19/0.96/0.80	1.43/1.17/0.91	1.74/1.42/1.12
	Water load loss (H/M/L)	kPa	23.7/17.1/11.9	15.1/10.89/7.82	23.2/16.44/10.94	50.33/30.4/21.71
Water heating 45° C ³	Power (H/M/L)	kW	4.84/3.9/3.01	8.39/6.64/5.2	9.92/7.94/5.86	12.58/10.24/7.57
	Water flow (H/M/L)	m³/h	0.84/0.69/0.53	1.46/1.17/0.91	1.69/1.38/1.01	2.17/1.79/1.34
	Water load loss (H/M/L)	kPa	30.8/32.4/20	13.26/13.1/8.28	19.72/18.87/11.07	38.30/41.81/26.5
Water heating 55° C ⁴	Power (H/M/L)	kW	5.6/4.49/3.45	9.87/7.83/6.29	11.63/9.37/6.96	14.58/11.82/8.83
	Water flow (H/M/L)	m³/h	0.68/0.56/0.46	1.19/0.96/0.80	1.43/1.17/0.91	1.74/1.42/1.12
	Water load loss (H/M/L)	kPa	29.04/14.16/9.71	19.36/9.03/6.4	26.68/13.96/9.1	60.7/26.5/17.8
Electrical absorption (H)		W	45	66	100	119
Sound pressure (H/M/L) ⁶		dB(A)	44.6/36.8/29.4	47.7/39.4/31.1	50.2/43.0/33.0	50.9/44.0/33.8
Fan motor	Type	DC Brushless				
	Quantity	2				
Fan	Type	Centrifugal with forward curved blades				
	Quantity	2				
Coil	Rows	2				
	Maximum pressure	Pa	1.6			
Product specifications	Net dimensions (LxHxD)	mm	941x241x522	1461x241x522	1566x241x522	1856x241x522
	Net weight	kg	20	31.4	32.5	37.5
	Gross weight	kg	23.2	35.8	37.2	42.8
Hydraulic connections		"	G3/4			
Drain		mm	OD 25			

Wall

HKEMM 250-500-800 W

Multi-directional piping outlet



Positioning of motorized louvers

Removable front panel

Remote control included

Model			HKEMM 250 W	HKEMM 500 W	HKEMM 8000 W
Power supply		V/Ph/Hz	220-240/1/50		
Air flow (H/M/L) ¹		m³/h	492/454/400	862/741/634	1824/1332/906
Cooling ²	Power (H/M/L)	kW	2.7/2.59/2.39	4.47/3.98/3.48	7.92/6.62/5.15
	Water flow (H/M/L)	m³/h	0.48/0.46/0.42	0.77/0.68/0.61	1.43/1.17/0.91
	Water load loss (H/M/L)	kPa	31.61/28.63/25.36	41.17/33.54/27.05	23.2/16.44/10.94
Water heating 45° C ³	Power (H/M/L)	kW	2.94/2.8/2.58	4.84/4.23/3.62	9.92/7.94/5.86
	Water flow (H/M/L)	m³/h	0.51/0.49/0.46	0.84/0.73/0.64	1.69/1.38/1.01
	Water load loss (H/M/L)	kPa	32.66/34.89/30.24	36.82/33.83/26.26	19.72/18.87/11.07
Water heating 55° C ⁴	Power (H/M/L)	kW	3.29/3.03/2.63	5.68/4.94/4.24	11.63/9.37/6.96
	Water flow (H/M/L)	m³/h	0.48/0.46/0.42	0.77/0.68/0.61	1.43/1.17/0.91
	Water load loss (H/M/L)	kPa	37.49/30.25/26.53	43.74/29.69/23.98	26.68/13.96/9.1
Electrical absorption (H)		W	13	26	100
Sound pressure (H/M/L) ⁶		dB(A)	32/30/27	23/16/12	50.2/43.0/33.0
Fan motor	Type	DC Brushless			
	Quantity	1			
Fan	Type	Tangential			
	Quantity	1			
Coil	Rows	2			
	Maximum pressure	Pa	1.6		
Product specifications	Net dimensions (LxHxD)	mm	915x290x230	1072x315x230	1072x315x230
	Net weight	kg	12.7	15.1	14.9
	Gross weight	kg	17.3	19	18.6
Hydraulic connections		"	G3/4		
Drain		mm	OD 20		

NOTES (1) H: High speed; M: Medium speed; L: Low speed - Useful static pressure recessed version: 12 Pa. (2) Cooling conditions: water in 7° C/ΔT 5° C; air in 27° C DB/19° C WB. (3) Heating conditions: water in 45° C, ΔT 5° C; air in 20° C DB. (4) Heating conditions: water in 55° C, ΔT 5° C; air in 20° C DB. (5) Heating conditions: water in 70° C, ΔT 10° C; air in 20° C DB. (6) Noise level tested in a semi-anechoic chamber, distance 1 m.

HEATING - FAN COIL - HYDRONIC TERMINALS

NEW

Exposed floor/ceiling

HFLMM 501-701-801 W



Vertical or horizontal installation

Compact dimensions: (200 mm deep)

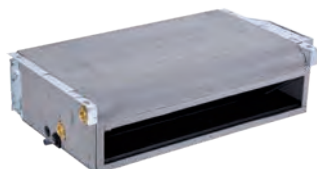
Elegant design

Remote control included

Model			HFLMM 501 W	HFLMM 701 W	HFLMM 801 W
Power supply		V/Ph/Hz	220-240/1/50		
Air flow (H/M/L) ¹		m³/h	790/580/410	1190/855/505	1360/1015/685
Cooling ²	Power (H/M/L)	kW	4.30/3.48/2.71	5.60/4.47/3.14	7.35/6.12/4.57
	Water flow (H/M/L)	m³/h	0.74/0.60/0.47	0.96/0.77/0.54	1.27/1.05/0.79
	Water load loss (H/M/L)	kPa	54.2/36.22/22.78	50.7/33.38/17.73	44.1/33.7/19.41
Water heating 45° C ³	Power (H/M/L)	kW	4.70/3.70/2.81	6.00/4.77/3.36	8.05/6.46/4.71
	Water flow (H/M/L)	m³/h	0.81/0.64/0.48	1.04/0.83/0.59	1.39/1.12/0.82
	Water load loss (H/M/L)	kPa	54.3/36.87/22.32	55.5/37.66/19.27	46.9/31.9/18.16
Electrical absorption (H)		W	50	96	113
Sound pressure (H/M/L) ⁶		dB(A)	59/51/43	64/56/45	63/58/49
Fan motor	Type		DC Brushless		
	Quantity		1		
Fan	Type		Centrifugal with forward curved blades		
	Quantity		2	3	3
Coil	Rows		3	3	3
	Maximum pressure	Pa	1.6		
Product specifications	Net dimensions (LxHxD)	mm	1240x495x200	1360x495x200	1360x591x200
	Net weight	kg	25.5	28.5	32.5
	Gross weight	kg	32.5	36	41
Hydraulic connections		"	G3/4		
Drain		mm	OD 18.5		

Recessed floor/ceiling

HFYMM 501-701-801 W



Vertical or horizontal installation

Compact dimensions: (200 mm deep)

Remote control included

Model			HFYMM 501 W	HFYMM 701 W	HFYMM 801 W
Power supply		V/Ph/Hz	220-240/1/50		
Air flow (H/M/L) ¹		m³/h	790/580/410	1190/855/505	1360/1015/685
Cooling ²	Power (H/M/L)	kW	4.30/3.48/2.71	5.60/4.47/3.14	7.35/6.12/4.57
	Water flow (H/M/L)	m³/h	0.74/0.60/0.47	0.96/0.77/0.54	1.27/1.05/0.79
	Water load loss (H/M/L)	kPa	54.2/36.22/22.78	50.7/33.38/17.73	44.1/33.7/19.41
Water heating 45° C ³	Power (H/M/L)	kW	4.70/3.70/2.81	6.00/4.77/3.36	8.05/6.46/4.71
	Water flow (H/M/L)	m³/h	0.81/0.64/0.48	1.04/0.83/0.59	1.39/1.12/0.82
	Water load loss (H/M/L)	kPa	54.3/36.87/22.32	55.5/37.66/19.27	46.9/31.9/18.16
Electrical absorption (H)		W	50	96	113
Sound pressure (H/M/L) ⁶		dB(A)	59/51/43	64/56/45	63/58/49
Fan motor	Type		DC Brushless		
	Quantity		1		
Fan	Type		Centrifugal with forward curved blades		
	Quantity		2	3	3
Coil	Rows		3	3	3
	Maximum pressure	Pa	1.6		
Product specifications	Net dimensions (LxHxD)	mm	1087x455x200	1207x455x200	1207x550x200
	Net weight	kg	17.3	19.6	23.1
	Gross weight	kg	24	26.4	30.2
Hydraulic connections		"	G3/4		
Drain		mm	OD 18.5		

NOTES (1) H: High speed; M: Medium speed; L: Low speed - Useful static pressure recessed version: 12 Pa. (2) Cooling conditions: water in 7° C/ΔT 5° C; air in 27° C DB/19° C WB. (3) Heating conditions: water in 45° C, ΔT 5° C; air in 20° C DB. (4) Heating conditions: water in 55° C, ΔT 5° C; air in 20° C DB. (5) Heating conditions: water in 70° C, ΔT 10° C; air in 20° C DB. (6) Noise level tested in a semi-anechoic chamber, distance 1 m.

HEATING

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HOT WATER

Water heater with heat pump

300/500 litre “Ducted” monobloc series

Possibility of integration with solar thermal



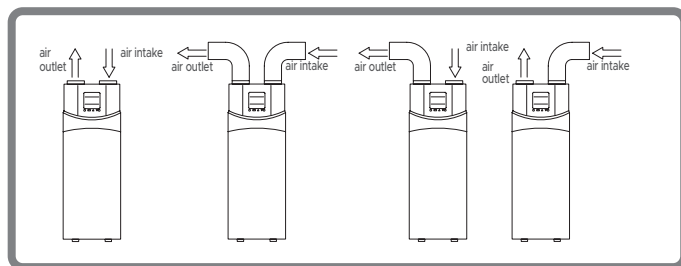
Certification EN 16147 from a third-party accredited laboratory BUREAU VERITAS.



Anti-legionella cycle

ErP Ready

4 INSTALLATION MODES



HWMAS 3200 HEA-3
HWMAS 5400 HEA-3

Water heater with heat pump, monobloc on base with the possibility of integration with solar thermal

R134A | Refrigerant gas.

300 or 500 litres | Stainless steel tank.

60° C | Hot water with the compressor only.

COP 2.67* | For 300 litre model.

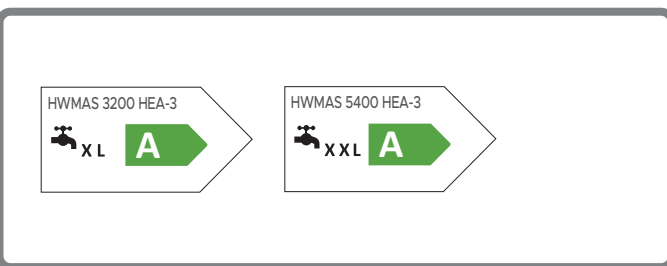
COP 2.69* | For 500 litre model.

Anti-legionella cycle | Can be customized for different needs or can be excluded.

Innovative soft touch control panel to facilitate commissioning, use and maintenance.

* In accordance with EN 16147

ENERGY EFFICIENCY CLASS



Model		HWMAS 3200 HEA-3	HWMAS 5400 HEA-3
Tank volume	L	300	500
Solar integration coil (stainless steel)	m ²	1.0	1.0
Rated thermal power ¹	W	1840	3700
Rated power consumption ¹	W	533	1093
Rated hot water production capacity ¹	L/h	45	85
COP (rated) ¹	W/W	3.45	3.39
COP _{DHW} ²	W/W	2.67	2.69
Test cycle profile ²	-	XL	XXL
Volume of hot water at 40°C ²	L	351	501
Energy Efficiency Class ³	-	A	A
IP Degree of protection	-	IPX1	IPX1
Hot water T. adjustment interval	°C	10~70 (50 default)	10~70 (50 default)
Maximum DHW temperature only compressor	°C	60	60
Electrical data	Power	Ph-V-Hz 1-220~240-50	1-220~240-50
	Integrative heating element	W 1600	1600
	Maximum current (including heating element)	A 10.0	13.0
Refrigerant	Type (GWP)	- R134a (1430)	R134a (1430)
	Quantity	kg 0.80	1.45
	Tons of CO2 equivalent	t 1.144	2.074
Compressor	-	Rotary (ON/OFF)	Rotary (ON/OFF)
Dimensions	Unit Ø x H	mm 640 x 1845	700 x 2230
Net weight	kg	104	122
Sound power level	dB(A)	59	60
Sound pressure level at 2 m	dB(A)	46	45
Tank	Tank material	- Stainless steel	Stainless steel
	DHW hydraulic connections	("- DN) 1" - DN25	1" - DN25
	Hydraulic solar coil connections	("- DN) 3/4" - DN20	3/4" - DN20
	Magnesium anode	- G3/4" - Ø 21x300	G3/4" - Ø 21x300
	Maximum operating pressure	bar 10	10
Suctioned air	Operating range	°C -5~+43	-5~+43
	Rated flow (not ducted)	m ³ /h 450(@60Pa)	400(@60Pa)
	Air flow (ducted)	m ³ /h 400(@60Pa)	350(@60Pa)
	Air duct - Diameter	mm 177	177
	Air duct - Length	m 6	6

1. Conditions: suctioned air 20° C DB (15° C WB), inlet water 15° C / outlet 55° C.

2. Test according to EN16147; air 7° C. 3. Directive 2009/125/EC - ERP EU no. 814/2013 (BUREAU VERITAS certification).

HYDRAULIC CONNECTIONS DIAGRAM

