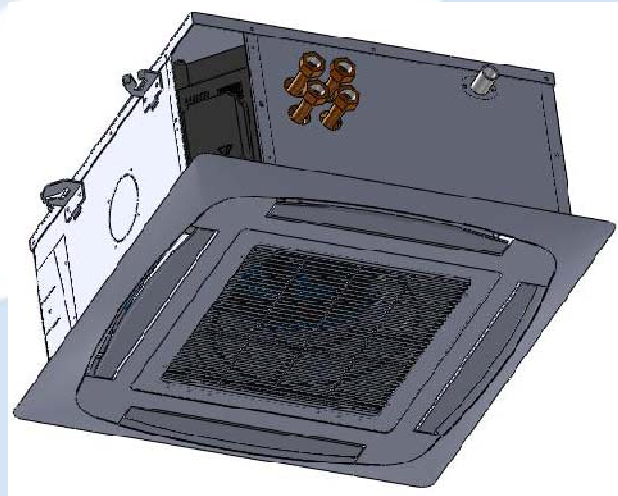




New Cassettes: phase in by 02/2011





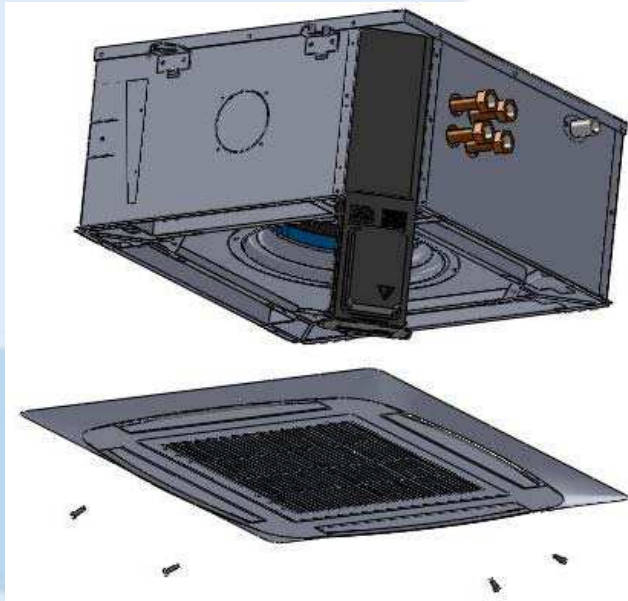
## **THE CH20 SINGLE (PG/PH) AND TWIN FAN (PG) HYDRONIC CASSETTE**

**CONFIDENTIAL INFORMATION - ONLY FOR INTERNAL USE**

# Contents:

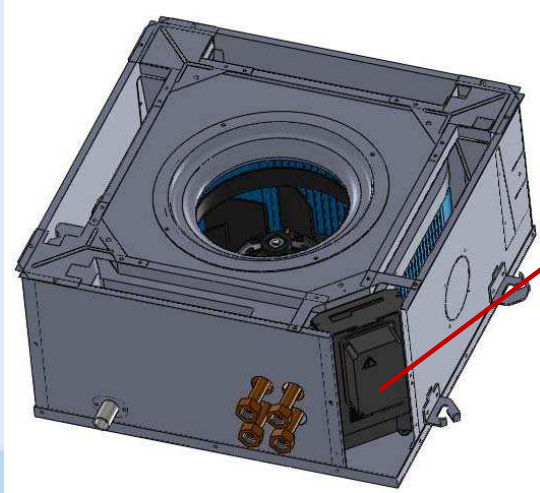
- **1. Product Design features:**
  - **installation**
  - **maintenance**
  - **flexibility**
- **2. Product specification : range available**

## 1. Product Design features : installation



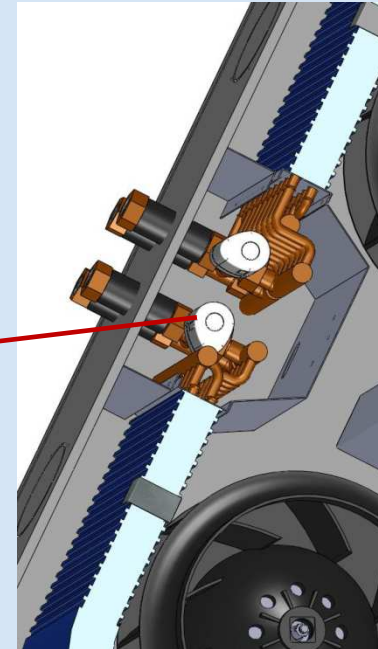
- Easy to remove front panel
  - 1 stepping motor cable
  - 4 fixture screws

# 1. Product Design features : installation



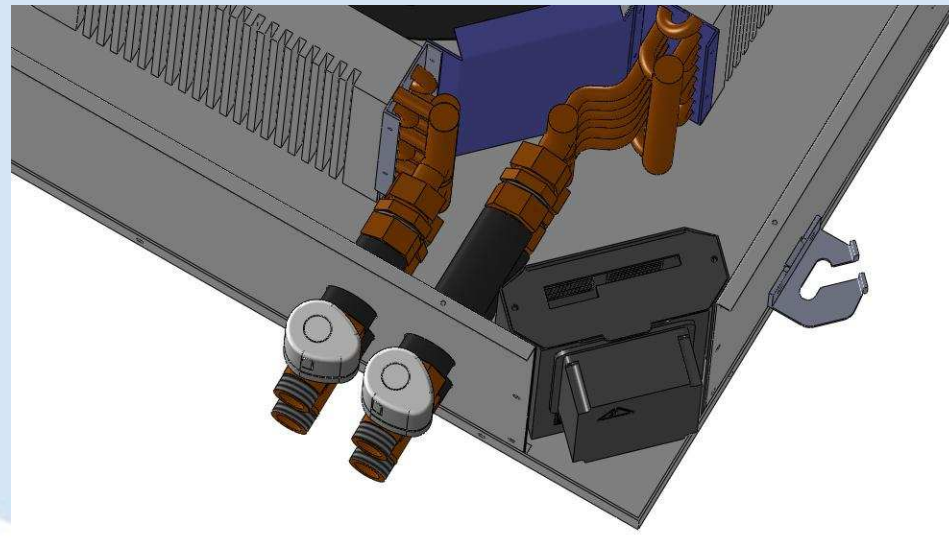
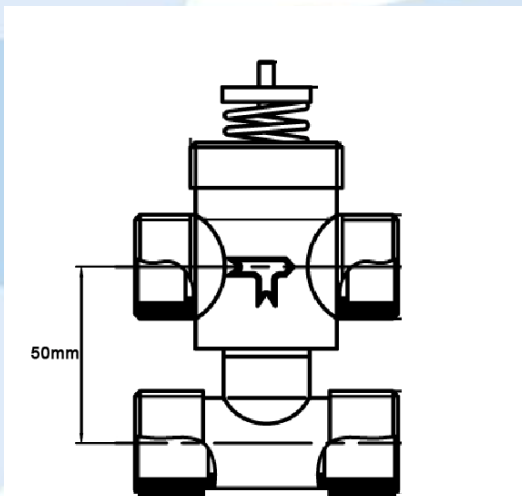
- 1-step access to power terminals and auxiliary contacts for quick and easy wiring

- Pre-installed 2-way and 3-way integrated valves (optional)

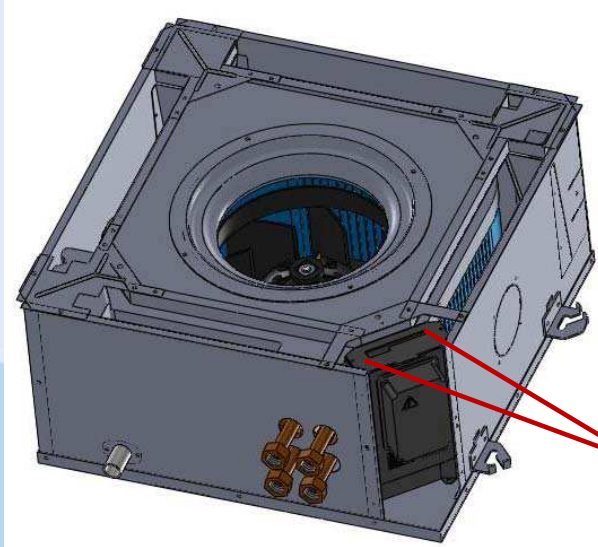


# 1. Product Design features : installation

- Easy-to-connect external valves (for products without integrated valves)
  - valves can be fit directly onto the cassette during installation without any piping connection kits
  - distance between inlet and outlet pipe connections standardized at 50mm

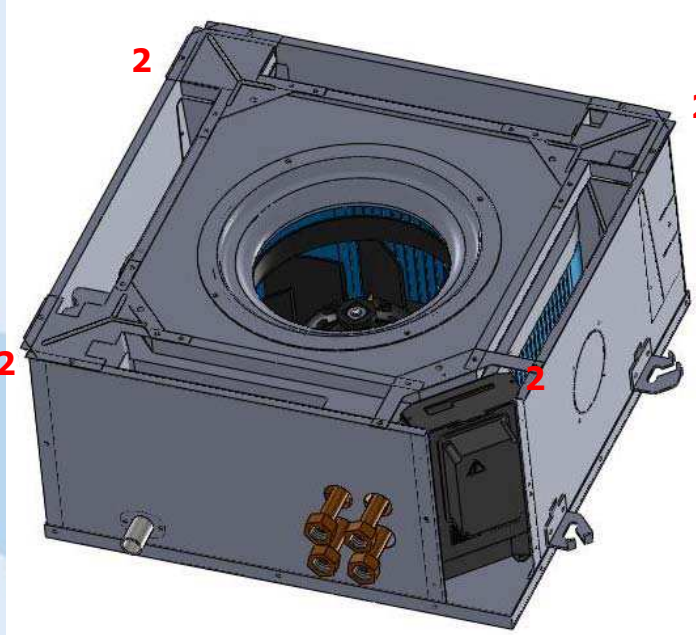


## 1. Product Design features : maintenance



- Plug-and-play control box
  - 2 fixture screws
  - accessible without removing ceiling tiles or ceiling access door

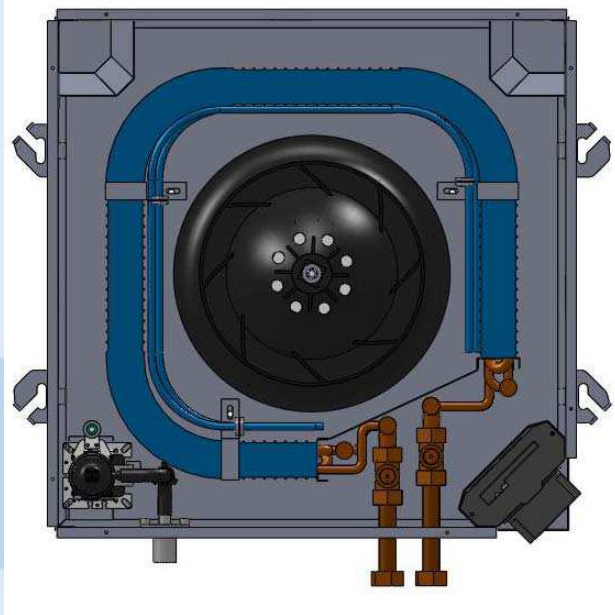
# 1. Product Design features : maintenance



- Easy to remove drain pan
  - disconnect return air sensor from control box (plug-and-play)
  - 8 drain-pan fixture screws for all models

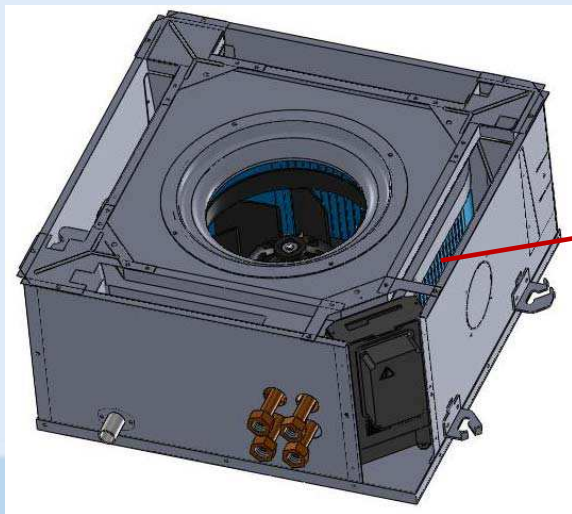


# 1. Product Design features : maintenance



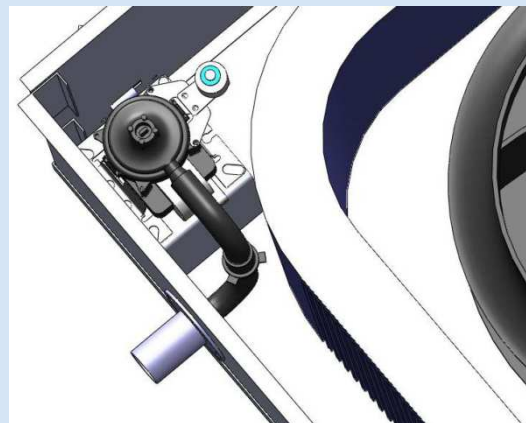
- After removal of drain pan all internal components can be easily accessed for servicing and maintenance, including:
  - drain pump and float switch
  - water purge and air vent
  - motor and fan
  - integrated valves
  - electric heaters

# 1. Product Design features : maintenance



- Internal air vent and water purge accessible without removal of drain-pan

- Easy to remove integrated drain pump and float switch module
  - plug-and-play wiring
  - 4 fixture screws



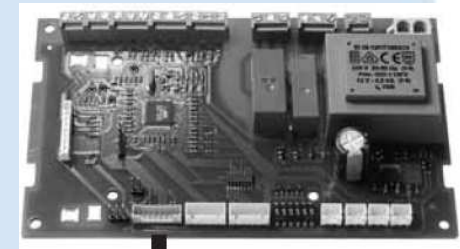
# 1. Product Design features : Flexibility



- Total product flexibility onsite and in stock with 2 plug-and-play control box solutions

- Solution 1: Full functionality PCB with LED receiver  
With our BMS modbus line

- DA/DB fan cycle selection
- 2-pipe/4-pipe selection
- with or without valve selection
- electric heat function selection
- pre-heat configuration selection
- 1-32 units addressable master-slave control with one-touch continuous global control functionality
- address-specific slave error recognition system using LED receiver display or wall-pad
- IR handset as standard
- wired wallpad with mode-specific multi-color backlight display and 7-day cycle timer as optional
- 1-2048 units BMS control using any open MODBUS platform and 1 data-logger per 32 units with max. 64 data-loggers. Local PC host control software optional.



# 1. Product Design features : Flexibility

- Solution 2: NCUGH configuration - Terminal strip only control box for wired remote thermostat

- it will be possible to use digital thermostats
- it will be possible to use other BMS solutions.



- We will send in the same package of the std cassette a PC Box to use removing the std electronic board in a quickly way.

This NCUGH control box will have the management of:

- 1) drain-pump ;
- 2) Swing.

# 1. Product Design features : Flexibility

- Solution 2: NCUGH configuration - Terminal strip only control box for wired remote thermostat

- **it will be possible to use digital thermostats:**

see in succession same of the new digital controls - it will be possible to use other BMS solutions.



**HTC-006BMS**: external touch screen control 2/4 pipes with timer and BMS integrated



**HTC-001BBMS**: flush wall digital control 2/4 pipes with timer and BMS integrated

# 1. Product Design features : Flexibility

- Solution 2: NCUGH configuration - Terminal strip only control box for wired remote thermostat

- **it will be possible to use digital thermostats:**

see in succession same of the new digital controls - it will be possible to use other BMS solutions.

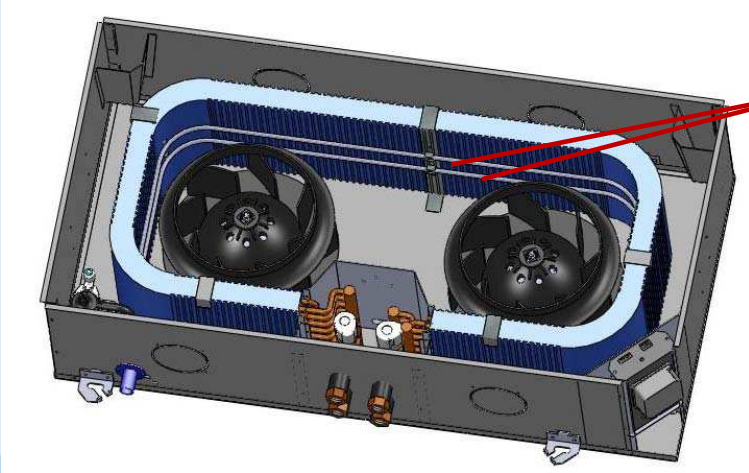


HTC-002: external digital 2/4pipes control

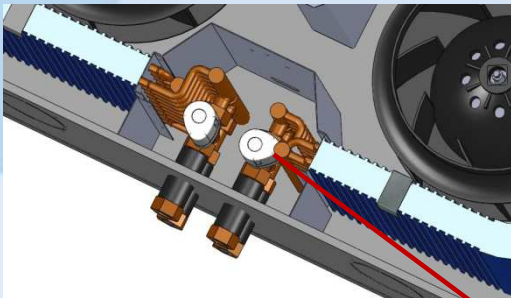


HTC-005BMS: external digital control 2/4 pipes with timer and BMS integrated

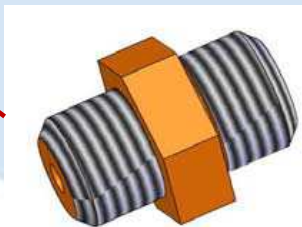
# 1. Product Design features : Flexibility



- Electric heater installation on-site or in stock
  - plug-and-play wiring
  - plug-and-play fixtures to pre-installed brackets (up to 5 fixture screws depending on model)
  - onboard PCB electric heater configuration selectable by dipswitch



- Integrated valve removal onsite using plug-and-play replacement connector



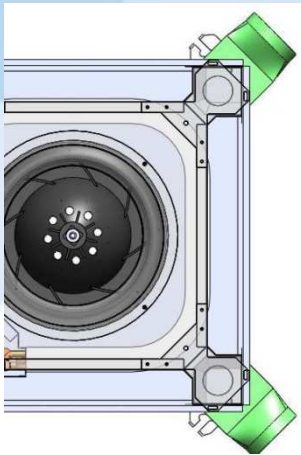
# 1. Product Design features : Flexibility



- 4x2 Switching Device

- enables 2-pipe unit to function as 4-pipe unit without reduction in performance
- eliminates need for 4-pipe stock
- worldwide patent applications pending;
- **save energy solution working with lower temperatures !!!!**

**MORE CAPACITY AVAILABLE NOT ONLY IN HEATING BUT ALSO IN COOLING !!!!!!!!!!!!!**



- Improved fresh air circulation

- allows up to 15% percent of unit airflow as fresh air intake (per connection)
- maximum 2 fresh air connections of 10 cm. per unit
- punch-out fresh air connection holes
- ABS plastic flanges using 2 screws for fixture to unit



# 1. Product Design features : Flexibility

- Multiple panel styles available for full range



6x6



8x8



9x9

**style panel range**

## **2. Product specification : range available**

- Standard motor AC;
- Square cassettes : G/H series;
- EC Motor cassettes;
- Totally Eurovent certified (within 2011)



# RANGE AVAILABLE

(phase-in: end of february 2011)

<b>New Aertesi Range</b>				
<b>Aertesi code</b>	<b>Capacity Kw cooling (max)</b>	<b>2 pipes/4 pipes</b>	<b>Measures</b>	<b>Fan motor</b>
20G	2,3	2 pipes	6x6	AC
30G	3,2	2 pipes	6x6	AC
30G-EC	3,2	2 pipes	6x6	EC
40G	4,1	2 pipes	6x6	AC
50G	4,6	2 pipes	6x6	AC
50G-EC	4,6	2 pipes	6x6	EC
60H	5,6	2 pipes	8x8	AC
70H	6,9	2 pipes	8x8	AC
70H-EC	6,9	2 pipes	8x8	EC
100H	10	2 pipes	9x9	AC
120H	11,7	2 pipes	9x9	AC
110H-EC	10,6	2 pipes	9x9	EC
40B 1G	3,6	4 pipes	6x6	AC
60B 1H	5,7	4 pipes	8x8	AC
80B 1H	8	4 pipes	9x9	AC

# TECHNICAL SPECIFICATIONS – AC MOTOR CASSETTES

CASSETTE 2 TUBI - 2 PIPE CASSETE										
Modello - Model		20G	30G	40G	50G	60H	70H	100H	120H	
Numero di ventole Number Of Fan Blowers		Singolo	Singolo	Singolo	Singolo	Singolo	Singolo	Singolo	Singolo	
Portata d'aria nominale Total flow	ms/h	H	380	575	722	810	960	1300	1950	2290
		M	240	290	522	617	820	960	1380	1950
		L	200	200	450	450	700	700	1090	1090
Potenza frigorifera nominale Cooling Capacity (1)	kW	H	2,37	3,2	4,08	4,56	5,6	6,9	10	11,7
		M	1,7	2,06	3,1	3,76	5,1	5,6	7,83	10
		L	1,41	1,41	2,7	2,7	3,57	3,57	6,56	6,56
Potenza frigorifera sensibile nominale Sensible Cooling Capacity	kW	H	1,89	2,5	3	3,17	4,37	5,06	7,94	8,86
		M	1,35	1,62	2,45	2,85	3,85	4,37	6,45	7,94
		L	1,11	1,11	2,15	2,15	2,96	2,96	5,58	5,58
Potenza termica nominale Heating Capacity(3)	kW	H	4,92	6,58	7,8	8,9	11,4	12,72	18,65	20,87
		M	3,98	4,3	6,92	7,4	10,13	11,4	16,6	18,65
		L	3,25	3,25	6,58	6,58	7,52	7,52	15,2	15,2
Potenza termica nominale Heating Capacity (2)	kW	H	2,8	3,65	5,29	6,15	6,72	8,28	11,48	13,7
		M	2	2,4	4,1	4,9	6,2	6,72	9,39	11,48
		L	1,6	1,6	3,5	3,5	4,28	4,28	7,87	7,87
Resistenza elettrica (opzionale) Electric Heater Capacity (optional)		Kw	-	1	-	2	-	3	-	4
Livello di rumore a 1 m Sound Pressure Level @ 1 M	dB(A)	H	34	37	44	46	42	47	50	52
		M	30	32	35	40	40	40	42	46
		L	27	27	30	30	36	36	36	39
Potenza sonora Lwi Sound Power Lwi	dB(A)	H	42	48	57	60	55	65	65	70
		M	37	40	46	52	50	57	58	65
		L	35	35	42	42	46,8	46,8	47	47

# TECHNICAL SPECIFICATIONS – AC MOTOR CASSETTES

CASSETTE 2 TUBI - 2 PIPE CASSETTE										
Modello - Model		20G	30G	40G	50G	60H	70H	100H	120H	
Numero di ventole Number Of Fan Blowers		Singolo	Singolo	Singolo	Singolo	Singolo	Singolo	Singolo	Singolo	
Alimentazione Power Supply		230V/1 PHASE /50 Hz								
Potenza motore ventilatore Fan Motor Power		<b>Watt</b>	38	50	56	85	89	146	267	310
Corrente di esercizio motore ventilatore Fan Motor Running Current		<b>Amp.</b>	0,17	0,26	0,24	0,37	0,36	0,64	1,16	1,35
Corrente di spunto motore ventilatore Fan Motor Starting Current		<b>Amp.</b>	0,51	0,78	0,72	1,11	1,08	1,9	3,48	4,04
Portata acqua raffreddamento Cooling Water Flow Rate		<b>l/h</b>	419	601	753	810	1047	1226	1767	2073
Caduta di pressione dell'acqua Cooling Water Pressure Drop		<b>Kpa</b>	6,5	12,8	30	36,8	27,7	36,9	38	49
Contenuto dell'acqua Cooling Water Content		<b>l</b>	1,25	1,25	1,56	1,56	1,78	1,78	2,41	2,41
D.I. raccordo scarico cond. Con d. Drain Connection I.D.		<b>mm (in)</b>	19.05 (3/4)							
Dimensioni Dimensions	L	<b>Mm</b>	570	570	570	570	730	730	830	830
	W	<b>Mm</b>	570	570	570	570	730	730	830	830
	D	<b>Mm</b>	250	250	290	290	290	290	290	290
Dimensioni pannello (LxAxP) Panel Dimensions (LxWxH)		<b>mm</b>	680x680x28				830x830x28		980x980x28	
Peso lordo (pannello+ involucro) Net Weight		<b>Kg</b>	31	31	33	33	40	40	55	55
Metodo di collegamento Connection Method		FEMMINA (Threaded Female)								
Raccordo acqua Water Connection	Ingresso In	<b>mm (in)</b>	19.05 (3/4)							
	Uscita Out	<b>mm (in)</b>	19.05 (3/4)							

1 Raffreddamento : 27°C db/47% UR temperatura aria ingresso, 7°C temperatura acqua ingresso e 12°C temperatura acqua in uscita con la portata d'acqua come sopra indicata

Cooling Capacity is tested under the condition 27°C Dry Bulb / 19°C Wet Bulb entering air temperature, 7°C entering water and 12°C leaving water temperature with water flow rates specified.

2 Riscaldamento : 20°C db temperatura aria ingresso, 50°C temperatura acqua a ingresso, stessa portata acqua di raffreddamento

Heating Capacity is tested under the condition 20°C Dry Bulb entering air temperature, 50°C entering water temperature with water flow rates same as for the cooling test.

3 Riscaldamento : 20°C db temperatura aria ingresso, 70°C temperatura acqua a ingresso e 60°C temperatura acqua in uscita.

Heating Capacity is tested under the condition 20°C Dry Bulb entering air temperature 70°C entering water temperature and 60°C leaving water temperature cooling test.

Il colore del pannello frontale è RAL 9010

Front panel colour is RAL 9010

## TECHNICAL SPECIFICATIONS – AC MOTOR CASSETTES

CASSETTE 4 TUBI - 4 PIPE CASSETTE						
Modello - Model			40GB1	60HB1	80HB1	
Numero di ventole Fan Blowers	Number Of		Singolo	Singolo	Singolo	
Portata d'aria nominale	Total flow	<b>m3/h</b>	<b>H</b>	810	1300	2290
		<b>M</b>	617	960	1950	
		<b>L</b>	450	700	1090	
Potenza frigorifera nominale Capacity (1)	Cooling	<b>kW</b>	<b>H</b>	3,6	5,75	7,92
		<b>M</b>	3,02	5,21	6,82	
		<b>L</b>	2,42	3,18	5,34	
Potenza frigorifera sensibile nominale Cooling Capacity	Sen sible	<b>kW</b>	<b>H</b>	2,94	4,46	6,96
		<b>M</b>	2,6	4,2	6,28	
		<b>L</b>	2,22	2,76	5,2	
Potenza termica nominale Capacity (2)	Heating	<b>kW</b>	<b>H</b>	4,43	5,03	9,65
		<b>M</b>	3,84	4,63	8,87	
		<b>L</b>	3,41	3,42	7,56	
Livello di rumore a 1 m Pressure Level @ 1 M	Sound	<b>dB(A)</b>	<b>H</b>	46	50	54
		<b>M</b>	40	42	50	
		<b>L</b>	30	36	39	
Alimentazione Supply	Power		230V/1 PHASE /50 Hz			
Potenza motore ventilatore Fan Motor Power		<b>Watt</b>	85	146	310	

# TECHNICAL SPECIFICATIONS – AC MOTOR CASSETTES

CASSETTE 4 TUBI - 4 PIPE CASSETTE					
Modello - Model		40GB1	60HB1	80HB1	
Corrente di esercizio motore ventilatore Running Current	Fan Motor	<b>Amp.</b>	0,37	0,64	1,35
Corrente di spunto motore ventilatore Fan Motor Starting Current		<b>Amp.</b>	1,11	1,9	4,04
Portata acqua raffreddamento Cooling Water Flow Rate		<b>l/h</b>	636	1007	1400
Portata acqua riscaldamento Heating Water Flow Rate		<b>l/h</b>	380	431	827
Caduta di pressione dell'acqua (raff.) Cooling Water Pressure Drop (cooling)		<b>Kpa</b>	14,7	40,3	26,8
Caduta di pressione dell'acqua (risc.) Cooling Water Pressure Drop (heating)		<b>Kpa</b>	3,5	7,5	13,3
Contenuto dell'acqua (raff.) Cooling Water Content (cooling)		<b>l</b>	1,07	1,37	1,67
Contenuto dell'acqua (risc.) Cooling Water Content (heating)		<b>l</b>	0,49	0,41	0,74
D.I. raccordo scarico cond. Drain Connection ID.	Cond.	<b>mm (in)</b>	19.05(3/4)		
Dimensioni Dimensions	L	<b>Mm</b>	580	730	830
	W	<b>Mm</b>	580	730	830
	D	<b>Mm</b>	290	290	290
Dimensioni pannello (LxAxP) Dimensions (LxWxH)	Panel	<b>mm</b>	680x680x28	830x830x260	980x980x290
Peso lordo (pannello+ involucro) Weight	Net	<b>Kg</b>	33	40	55
Metodo di collegamento Connection Method	FEMMINA (Threaded Female)				
Raccordo acqua Water Connection	Ingresso	<b>mm (in)</b>	19.05(3/4)		
	Uscita	<b>mm (in)</b>	19.05(3/4)		

1 Raffreddamento : 27°C db/4.7% UR temperatura aria ingresso, 7°C temperatura acqua ingresso e 12°C temperatura acqua in uscita con la portata d'acqua come sopra indicata

Cooling Capacity is tested under the condition 27°C Dry Bulb / 19°C Wet Bulb entering air temperature, 7°C entering water and 12°C leaving water temperature with water flow rates specified.

2 Riscaldamento : 20°C db temperatura aria ingresso, 70°C temperatura acqua ingresso e 60°C temperatura acqua in uscita  
Heating Capacity is tested under the condition 20°C Dry Bulb entering air temperature 70°C entering water temperature and 60°C leaving water temperature cooling test.

Il colore del pannello frontale è RAL 9010

Front panel colour is RAL 9010

# TECHNICAL SPECIFICATIONS – EC MOTOR CASSETTES

CASSETTE 2 TUBI - 2 PIPE CASSETTE - EC MOTOR						
Modello - Model			30GEC	50GEC	70HEC	110HEC
Numero di ventole Number Of Fan Blowers			Singolo	Singolo	Singolo	Singolo
Portata d'aria nominale Total flow	m³/h	H	575	810	1300	2100
		M	290	520	820	1380
		L	200	200	360	820
Potenza frigorifera nominale Cooling Capacity (1)	kW	H	3,2	4,56	6,93	10,6
		M	2,06	3,65	5	8,6
		L	1,41	1,7	3,13	5,87
Potenza frigorifera sensibile nominale Sensible Cooling Capacity	kW	H	2,48	3,17	5,03	8,11
		M	1,62	2,8	3,97	7,1
		L	1,11	1,35	2,52	4,84
Potenza termica nominale Heating Capacity(3)	kW	H	6,58	8,9	12,72	18,95
		M	4,3	6,92	10,13	16,6
		L	3,25	3,98	6,58	11,4
Potenza termica nominale Heating Capacity (2)	kW	H	3,91	5,6	8,3	12,7
		M	2,58	4,5	6	10,3
		L	1,8	2,1	3,91	7
Resistenza elettrica (opzionale) Heater Capacity (optional)	Electric Kw		1	2	3	4
Livello di rumore a 1 m Sound Pressure Level @ 1 M	dB(A)	H	37	46	50	54
		M	32	35	40	45
		L	24	24	28	30
Potenza sonora Lwi Sound Power Lwi	dB(A)	H	48	60	65	66
		M	39	45	53	58
		L	35	35	39	42
Alimentazione Power Supply			230V/1 PHASE / 50 Hz			



# TECHNICAL SPECIFICATIONS – EC MOTOR CASSETTES

CASSETTE 2 TUBI - 2 PIPE CASSETTE - EC MOTOR						
Modello - Model		30GEC	50GEC	70HEC	110HEC	
Alimentazione Power Supply		230V/1 PHASE / 50 Hz				
Potenza motore ventilatore Fan Motor Power		<b>Watt</b>	30	40	72	200
Corrente di esercizio motore ventilatore Fan Motor Running Current		<b>Amp.</b>	0,26	0,35	0,63	1,57
Potenza apparente motore ventilatore Fan Motor Apparent Power		<b>VA</b>	59,8	80	144	362
Portata acqua raffreddamento Cooling Water Flow Rate		<b>l/h</b>	601	836	1226	1865
Caduta di pressione dell'acqua Cooling Water Pressure Drop		<b>Kpa</b>	12,8	36	31	36
Contenuto dell'acqua Cooling Water Content		<b>l</b>	1,25	1,56	1,78	2,41
D.I. raccordo scarico cond. Cond. Drain Connection I.D.		<b>mm (in)</b>	19.05(3/4)			
Dimensioni Dimensions	L	<b>Mm</b>	570	570	730	835
	W	<b>Mm</b>	570	570	730	835
	D	<b>Mm</b>	250	290	290	290
Dimensioni pannello (LxAxP) Panel Dimensions (LxWxH)		<b>mm</b>	680x680x28		830x830x28	980x980x28
Peso lordo (pannello+ involucro) Net Weight		<b>Kg</b>	31	33	40	55
Metodo di collegamento Connection Method		FEMMINA (Threaded Female)				
Raccordo acqua Water Connection	Ingresso	<b>mm (in)</b>	19.05(3/4)			
	Uscita	<b>mm (in)</b>	19.05(3/4)			

1 Raffreddamento : 27°C db/47% UR temperatura aria ingresso, 7°C temperatura acqua a ingresso e 12°C temperatura acqua in uscita con la portata d'acqua come sopra indicata

Cooling Capacity is tested under the condition 27°C Dry Bulb / 19°C Wet Bulb entering air temperature, 7°C entering water and 12°C leaving water temperature with water flow rates specified.

2 Riscaldamento : 20°C db temperatura aria ingresso, 50°C temperatura acqua ingresso, stessa portata acqua di raffreddamento

Heating Capacity is tested under the condition 20°C Dry Bulb entering air temperature, 50°C entering water temperature with water flow rates same as for the cooling test.

3 Riscaldamento : 20°C db temperatura aria ingresso, 70°C temperatura acqua a ingresso e 60°C temperatura acqua in uscita.

Heating Capacity is tested under the condition 20°C Dry Bulb entering air temperature 70°C entering water temperature and 60°C leaving water temperature cooling test.

Il colore del pannello frontale è RAL 90 10

Front panel colour is RAL 9010

## Accessori / Accessories - Cassette G/H

<b>WPC-GH</b> (4)	<b>Termostato a parete</b> <i>Wall pad control</i>	<b>Controllo elettronico da parete con controllo temperatura, velocità e funzione (con cavo L=5 mt.).</b> <i>Wall pad control with thermostat, speed selector and functions control (with cable L=5 m</i>
<b>SCT-GH</b> (4)	<b>Controllo a telecomando</b> <i>Infrared remote control</i>	<b>Telecomando ad infrarossi con controllo temperatura, velocità e funzione.</b> <i>Infrared remote control with thermostat, speed selector and functions control.</i>
<b>#FLAE</b> <b>G/H</b>	<b>Flangia presa aria esterna</b> <i>Flange for ext. air suction</i>	<b>Raccordo circ. Ø 105 mm (2 flange per unità) che serve a facilitare il collegamento di un canale per aria esterna.</b> <i>It's a circular spigot Ø 105 mm (2 flanges per unit) which makes the connection of the external air duct easier.</i>
<b>#FLMA</b> <b>G/H</b>	<b>Flangia per mandata aria</b> <i>Flange for outlet duct</i>	<b>Raccordo circ. Ø 100 mm che serve a facilitare il collegamento di una mand. ari aggiuntiva.</b> <i>It's a circular spigot Ø 100 mm which makes the connection of an additional air outlet easier.</i>
<b>PSCC</b>	<b>Pompa di scarico condensa ausiliaria</b> <i>Auxiliary Draining pump</i>	<b>Pompa scarico condensa ausiliaria per dislivelli fino da 0,5 a max. 5 mt.</b> <i>Auxiliary drain pump used for a head from 0,5 to max of 5 mt.</i>
<b>NCUGH</b>	<b>Extracosto per unità senza controllo</b> <i>Extra cost for unit without control</i>	<b>Extracosto per unità fornita senza nessun controllo. Predisposta per controllo cura cliente o altro controllo Aertesi</b> <i>Extra cost for unit supplied without any control. Control device supplied by customer. It is possible to order other Aertesi controls.</i>
<b>DLBMS 1</b>	<b>Datalogger per BMS protocollo MODBUS</b> <i>Datalogger for BMS system with MODBUS communicating protocol</i>	<b>Data logger per connesine a rete di comunicazione BMS con protocollo Modbus: Un data logger per max.32 unità, max. 64 data logger. Totale max. 2048 unità per rete.</b> <i>Data logger for BMS network with Modbus communicating protocol. One data logger per max. 32 units, max.64 data loggers. Max.2048 units for BMS network.</i>

<b>DLBMS 2</b>	<b>Datalogger per BMS protocollo AERTESI</b> <i>Datalogger for BMS system with AERTESI communicating protocol</i>	<b>Data logger per connesine a rete di comunicazione BMS con protocollo Aertesi (gestione esclusiva attraverso software SFTBMS) . Un data logger per max.32 unità, max. 64 data logger. Totale max. 2048 unità per rete.</b> <i>Data logger for BMS network with Aertesi communicating protocol (control only by softwa SFTBMS). One data logger per max. 32 units, max.64 data loggers. Max.2048 units for BA network</i>
<b>SFTBMS</b>	<b>Software per BMS con protocollo AERTESI</b> <i>Software for BMS system with AERTESI communicating protocol</i>	<b>Software di gestione rete BMS con protocollo di comunicazione Aertesi. Compatibile con il solo datalogger DLBMS 2</b> <i>Software for BMS network with Aertesi communicating protocol. Software compatible only with the DLBMS 2 datalogger.</i>
<b>ECH</b>	<b>Resistenza elettrica</b> <i>Electric heater</i>	<b>Resistenza elettrica per riscaldamento ambientale in modalità INVERNO</b> <i>Electric heater for WINTER mode.</i>
<b>FAAM</b>	<b>Filtro antibatterico ed anti odore</b> <i>Anti-microbial ad odor filter</i>	<b>Filtro 3M alta portata (HAF) antimicrobico ed antiodore</b> <i>3M filter high Airflow (HAF) anti mcrobal and odor removal filter</i>

## Cassette EC

MOD.	DESCRIZIONE / DESCRIPTION	
WPC-GH (4)	<b>Termostato a parete</b>	<b>Controllo elettronico da parete con controllo temperatura, velocità e funzione e (con cavo L=5 mt.).</b>
	<i>Wall pad control</i>	Wall pad control with thermostat, speed selector and functions control (with cable L=5 mt).
SCT-GH (4)	<b>Controllo a telecomando</b>	<b>Telecomando ad infrarossi con controllo temperatura, velocità e funzione.</b>
	Infrared remote control	Infrared remote control with thermostat, speed selector and functions control.
FLAE G/H	<b>Flangia presa aria esterna</b>	<b>Raccordo circ. Ø 105 mm (2 flange per unità) che serve a facilitare il collegamento di un canale per aria esterna.</b>
	<i>Flange for ext. air suction</i>	<i>It's a circular spigot Ø 105 mm (2 flanges per unit) which makes the connection of the external air duct easier.</i>
FLMA G/H	<b>Flangia per mandata aria</b>	<b>Raccordo circ. Ø 100 mm che serve a facilitare il collegamento di una mand. aria aggiuntiva.</b>
	<i>Flange for outlet duct</i>	<i>It's a circular spigot Ø 100 mm which makes the connection of an additional air outlet easier.</i>
PSCC	<b>Pompa di scarico condensa ausiliaria</b>	<b>Pompa scarico condensa ausiliaria per dislivelli da 0,5 a max. 5 mt.</b>
	<i>Auxiliary Draining pump</i>	<i>Auxiliary drain pump used for a head from 0,5 to max of 5 mt.</i>
NCUEC	<b>Extracosto per unità senza controllo</b>	<b>Extracosto per unità fornita senza nessun controllo. Predisposta per controllo a cura cliente (in controllo deve avere segnale 0-10V per il ventilatore e on/off per la valvola)</b>
	<i>Extra cost for unit without control</i>	<i>Extra cost for unit supplied without any control. Control device supplied by customer (the controller must be with 0-10V signal for the fan and on/off signal for the valve)</i>
DLBMS-EC	<b>Datalogger per BMS protocollo MODBUS</b>	<b>Data logger per connesione a rete di comunicazione BMS con protocollo Modbus. Un data logger per max.160 unità, max. ?? (DA DEFINIRE) data logger. Totale max. ?? (DA DEFINIRE) unità per rete.</b>
	<i>Data logger for BMS system with MODBUS communicating protocol</i>	<i>Data logger for BMS network with Modbus communicating protocol. One data logger per max. 160 units, max. ?? (TU BE DEFINE) data loggers. Max. ??? (DA DEFINIRE) units for BMS network.</i>
ECH	<b>Resistenza elettrica</b>	<b>Resistenza elettrica per riscaldamento ambientale in modalità INVERNO</b>
	<i>Electric heater</i>	<i>Electric heater for WINTER mode.</i>
FAAM	<b>Filtro antibatterico ed anti odore</b>	<b>Filtro 3M alta portata (HAF) antimicrobico ed antiodore</b>
	<i>Anti-microbial ad odor filter</i>	<i>3M filter high Airflow (HAF) anti mcrobal and odor removal filter</i>

**Thank you for your kind attention and interest!**