

**Cassette type terminal**  
**3,20-11,3 kW****Version**

U - 2T	2 Pipes version
U- 4T	4 Pipes Version

**Features**

Frame in galvanised steel insulated with self-extinguishing closed-cell polyethylene blanket of suitable thickness, to limit heat loss and noise to a minimum. Airflow grille in ABS built in the cassette, supplied in 1 cartonbox

5-speed electric motor inclusive of thermal switch. Fan

Low-rev radial-blade fan to maximise acoustic comfort.

Coil with corrugated aluminium fins and copper pipes, tested with dried air at 14 bar.

Switchboard with power and control terminal block with screw terminals

Set-up for fresh air intake.

Set-up for duct air distribution.

External Drain Pan

**Accessory**

- Main coil 2-way/3-way valve unit
- Additional coil 2-way/3-way valve unit
- Fresh Air renewal connection
- Duct Connection Flange
- Kit Bus Adapter for BMS
- Kit Gateway interface for MyHome Bticino System

New a- CHD cassette of Climaveneta, with 5 speeds AC motor, is available in two version: for two pipe installation (unit with single coil) and for four pipe installation (unit with double coil). Wide range of sizes and easy installation make them suitable for all types of installations.

**Controls**

MTW wall mounted

Fan speed slider, mode slider (OFF/summer/winter). Thermostat with set point regulation. ON/OFF valve unit control (summer/winter for 2 pipes installation), ON/OFF second valve unit control (winter for 4 pipes installation). Room temperature probe. Remote water temperature probe.

ATW wall mounted

Mode button (OFF/summer/winter/AUTO), fan speed button (Max/Med/Min/AUTO). Thermostat with set point regulation. ON/OFF valve unit control (summer/winter for 2 and 4 pipes installation). Control of traditional or PWM modulating valve units. Room temperature probe and water temperature probe. Digital input configurable as: window contact, economy, heating or cooling remote changeover, periodic ventilation. Configuration dip switch. TTL serial port with Modbus protocol for installation in BMS.

Remote control

In combination with (i)HB powerboard on board of the units, it's possible to have Set-point regulation, selection of functioning mode (cool, heat, dehumidify, fan), and fan speed (Max, Med, Min, AUTO). User-friendly compact remote control with fine aesthetics.

a-CHD			0606	0706	1108	2209
<b>ELECTRICAL DATA</b>						
Power supply		V/ph/Hz	230/1/50	230/1/50	230/1/50	230/1/50
<b>2 PIPES SYSTEM CONFIGURATION</b>						
<b>ENERGY EFFICIENCY</b>						
<b>COOLING (EN14511 VALUE)</b>						
FCEER	(1)(6)	kW/kW	57	73	65	49
FCEER Class			D	D	D	E
<b>HEATING ONLY (EN14511 VALUE)</b>						
FCCOP	(2)(6)	kW/kW	70	86	78	62
FCCOP Class			D	D	D	E
<b>PERFORMANCE</b>						
<b>MIN SPEED</b>						
Fan Power Input	(1)	W	23,0	35,0	56,0	128
Air flow rate	(1)	m <sup>3</sup> /h	200	450	700	1380
<b>Total capacity in cooling mode</b>	(1)	kW	1,38	2,80	4,22	7,49
<b>Total Net Cooling Capacity</b>	(1)(6)(7)	kW	1,36	2,77	4,17	7,37
Sensible capacity in cooling mode	(1)	kW	0,98	1,93	3,08	5,65
Net sensible cooling capacity	(1)(6)(7)	kW	0,96	1,90	3,02	5,53
Net latent power in cooling	(1)(6)(7)	kW	0,40	0,87	1,14	1,84
Max water flow	(1)	l/s	0,07	0,13	0,20	0,36
Pressure Drop in cooling mode	(1)	kPa	4	16	16	19
<b>Total capacity (heating mode)</b>	(2)	kW	1,30	2,85	4,20	7,75
<b>Total Net Heating Capacity</b>	(2)(6)	kW	1,32	2,88	4,25	7,88
Water flow in heating mode	(2)	l/s	0,06	0,14	0,20	0,37
Pressure drop in heating mode	(2)	kPa	4	17	16	20
Sound Pressure	(3)	dB(A)	31	32	40	47
Sound Power	(4)(7)	dB(A)	40	41	49	56
<b>MED SPEED</b>						
Fan Power Input	(1)	W	35,0	54,0	99,0	237
Air flow rate	(1)	m <sup>3</sup> /h	290	617	960	1970
<b>Total capacity in cooling mode</b>	(1)	kW	1,90	3,60	5,47	9,54
<b>Total Net Cooling Capacity</b>	(1)(6)(7)	kW	1,87	3,55	5,37	9,31
Sensible capacity in cooling mode	(1)	kW	1,38	2,55	4,01	7,61
Net sensible cooling capacity	(1)(6)(7)	kW	1,34	2,50	3,91	7,37
Net latent power in cooling	(1)(6)(7)	kW	0,52	1,05	1,46	1,94
Max water flow	(1)	l/s	0,09	0,17	0,26	0,46
Pressure Drop in cooling mode	(1)	kPa	7	25	25	29
<b>Total capacity (heating mode)</b>	(2)	kW	1,87	3,71	5,45	10,3
<b>Total Net Heating Capacity</b>	(2)(6)	kW	1,90	3,76	5,55	10,5
Water flow in heating mode	(2)	l/s	0,09	0,18	0,26	0,50
Pressure drop in heating mode	(2)	kPa	7	27	25	34
Sound Pressure	(3)	dB(A)	36	43	51	56
Sound Power	(4)(7)	dB(A)	45	52	60	65
<b>MAX SPEED</b>						
Fan Power Input	(1)	W	63,0	80,0	133	298
Air flow rate	(1)	m <sup>3</sup> /h	575	810	1300	2250
<b>Total capacity in cooling mode</b>	(1)	kW	3,20	4,56	6,97	11,3
<b>Total Net Cooling Capacity</b>	(1)(6)(7)	kW	3,14	4,48	6,84	11,0
Sensible capacity in cooling mode	(1)	kW	2,44	3,28	5,15	8,51
Net sensible cooling capacity	(1)(6)(7)	kW	2,38	3,20	5,01	8,21
Net latent power in cooling	(1)(6)(7)	kW	0,76	1,28	1,83	2,79
Max water flow	(1)	l/s	0,15	0,22	0,33	0,54
Pressure Drop in cooling mode	(1)	kPa	18	39	39	40
<b>Total capacity (heating mode)</b>	(2)	kW	3,27	4,65	7,07	11,4
<b>Total Net Heating Capacity</b>	(2)(6)	kW	3,33	4,73	7,21	11,7
Water flow in heating mode	(2)	l/s	0,16	0,22	0,34	0,55
Pressure drop in heating mode	(2)	kPa	19	41	41	42
Sound Pressure	(3)	dB(A)	43	49	58	61
Sound Power	(4)(7)	dB(A)	52	58	67	70
<b>SIZE AND WEIGHT</b>						
A	(5)	mm	580	580	730	830
B	(5)	mm	580	580	730	830
H	(5)	mm	255	290	262	290
Operating weight	(5)	kg	28	30	36	50

Notes:

- 1 Room temperature 27°C d.b./18,9°C w.b., Chilled water (in/out) 7°C/12°C.
  - 2 Room temperature 20°C d.b., hot water (in/out) 45°C/40°C.
  - 3 Sound pressure level in free field on a reflective surface, 1 m from fan front and 1 m from the ground. Non-binding value obtained from sound power level.
  - 4 Sound power on the basis of measurements made in compliance with ISO 3741 and Eurovent 8/2.
  - 5 Unit in standard configuration/execution, without optional accessories.
  - 6 Values in compliance with EN14511-3:2013.
  - 7 Values in compliance with [REGULATION (EU) N. 2016/2281]
- Certified data in EUROVENT

a-CHD			0706	1108	2209
<b>ELECTRICAL DATA</b>					
Power supply		V/ph/Hz	230/1/50	230/1/50	230/1/50
<b>4 PIPES SYSTEM CONFIGURATION</b>					
<b>ENERGY EFFICIENCY</b>					
<b>COOLING (EN14511 VALUE)</b>					
FCEER	(1)(6)	kW/kW	61	55	34
FCEER Class			D	D	F
<b>HEATING ONLY (EN14511 VALUE)</b>					
FCCOP	(2)(6)	kW/kW	82	45	45
FCCOP Class			D	F	F
<b>PERFORMANCE</b>					
<b>MIN SPEED</b>					
Fan Power Input	(1)	W	35,0	56,0	128
Air flow rate	(1)	m³/h	450	700	1380
<b>Total capacity in cooling mode</b>	(1)	kW	2,42	3,59	5,14
<b>Total Net Cooling Capacity</b>	(1)(6)(7)	kW	2,39	3,54	5,01
Sensible capacity in cooling mode	(1)	kW	1,77	2,63	3,87
Net sensible cooling capacity	(1)(6)(7)	kW	1,74	2,58	3,74
Net latent power in cooling	(1)(6)(7)	kW	0,65	0,96	1,27
Max water flow	(1)	l/s	0,12	0,17	0,25
Pressure Drop in cooling mode	(1)	kPa	9	22	15
<b>Total capacity (heating mode)</b>	(2)	kW	2,76	2,51	5,79
<b>Total Net Heating Capacity</b>	(2)(6)	kW	2,79	2,56	5,92
Water flow in heating mode	(2)	l/s	0,07	0,06	0,14
Pressure drop in heating mode	(2)	kPa	5	8	11
Sound Pressure	(3)	dB(A)	32	40	47
Sound Power	(4)(7)	dB(A)	41	49	56
<b>MED SPEED</b>					
Fan Power Input	(1)	W	54,0	99,0	237
Air flow rate	(1)	m³/h	617	960	1970
<b>Total capacity in cooling mode</b>	(1)	kW	2,87	4,61	6,56
<b>Total Net Cooling Capacity</b>	(1)(6)(7)	kW	2,82	4,51	6,33
Sensible capacity in cooling mode	(1)	kW	2,12	3,43	5,04
Net sensible cooling capacity	(1)(6)(7)	kW	2,07	3,33	4,80
Net latent power in cooling	(1)(6)(7)	kW	0,75	1,18	1,52
Max water flow	(1)	l/s	0,14	0,22	0,31
Pressure Drop in cooling mode	(1)	kPa	12	34	23
<b>Total capacity (heating mode)</b>	(2)	kW	3,22	3,14	7,37
<b>Total Net Heating Capacity</b>	(2)(6)	kW	3,28	3,24	7,61
Water flow in heating mode	(2)	l/s	0,08	0,08	0,18
Pressure drop in heating mode	(2)	kPa	7	11	19
Sound Pressure	(3)	dB(A)	43	51	56
Sound Power	(4)(7)	dB(A)	52	60	65
<b>MAX SPEED</b>					
Fan Power Input	(1)	W	80,0	133	298
Air flow rate	(1)	m³/h	810	1300	2250
<b>Total capacity in cooling mode</b>	(1)	kW	3,85	5,83	7,64
<b>Total Net Cooling Capacity</b>	(1)(6)(7)	kW	3,77	5,70	7,35
Sensible capacity in cooling mode	(1)	kW	2,87	4,36	5,91
Net sensible cooling capacity	(1)(6)(7)	kW	2,79	4,23	5,62
Net latent power in cooling	(1)(6)(7)	kW	0,98	1,47	1,73
Max water flow	(1)	l/s	0,18	0,28	0,37
Pressure Drop in cooling mode	(1)	kPa	19	52	30
<b>Total capacity (heating mode)</b>	(2)	kW	3,67	3,93	8,21
<b>Total Net Heating Capacity</b>	(2)(6)	kW	3,75	4,06	8,51
Water flow in heating mode	(2)	l/s	0,09	0,10	0,20
Pressure drop in heating mode	(2)	kPa	9	14	24
Sound Pressure	(3)	dB(A)	49	58	61
Sound Power	(4)(7)	dB(A)	58	67	70
<b>SIZE AND WEIGHT</b>					
A	(5)	mm	580	730	830
B	(5)	mm	580	730	830
H	(5)	mm	290	262	290
Operating weight	(5)	kg	30	36	50

Notes:

- 1 Room temperature 27°C d.b./18,9°C w.b., Chilled water (in/out) 7°C/12°C.
- 2 Room temperature 20°C d.b.; Hot water (in/out) 65°C/55°C; Supplementary coil 1-row.
- 3 Sound pressure level in free field on a reflective surface, 1 m from fan front and 1 m from the ground. Non-binding value obtained from sound power level.
- 4 Sound power on the basis of measurements made in compliance with ISO 3741 and Eurovent 8/2.
- 5 Unit in standard configuration/execution, without optional accessories.
- 6 Values in compliance with EN14511-3:2013.
- 7 Values in compliance with [REGULATION (EU) N. 2016/2281]

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