



Cassette type fan-coils for double/four pipe connections

1,98 - 14 kW

Unit Description

XHDU belongs to cassette type fan-coils of Climaveneta. This range of products are characterized by the universal version and offer units with single coil, single coil with heating element or double coil. The versatility of these hydronic terminal units and the guaranteed low pressure loss make them suitable for all types of installations. XHDU units are registered in the EUROVENT certification programme.

Commands

PRH wall controller

ON/OFF switch with selector for 3 fan speeds.

PSH wall controller

Thermostat, summer/winter switch.

PTH wall controller

ON/OFF/summer/winter switch, resistor switch, thermostat, switch for 3 fan speeds.

PTH2 wall controller

ON/OFF/summer/winter switch, resistor switch, thermostat, switch for 3 fan speeds, auxiliary controls.

PCT wall controller

Off/summer/winter selector switch. Room temperature control. Room temperature sensor. Coil temperature sensor. Three speed air flow control. Continuous fan speed. Available infrared remote control.

PCE and PCE PWM wall controller

Off/summer/winter/auto selector switch. Room temperature control. Room temperature sensor. Coil temperature sensor. Three speed air flow control + Auto. Automatic summer/winter switching. Automatic ON/OFF valve control. Continuous fan speed. Window sensor. Available infrared remote control. PWM valve unit control.

Versions

XHDU 2T	Single coil for double pipe connections
XHDU-R 2T	Single coil for double pipe connections with heater
XHDU 4T	Double coil for four pipe connections
XHDE 2T	Electronic single coil for double pipe connections (with remote control)

Features

The high efficiency, low pressure drop, finned coils made from copper tubes and high exchange surface area aluminium fins are 100% tested for leaks with dried air at 30 bar;

Electrical power and control switchboard, complete with electronic air flow regulator and terminal board for connection to network and available remote controls;

Internal insulation in closed cell expanded polyethylene with suitable thick to limit heat loss and noise emission; Available with single coil for two-pipe (2T) systems or with double coil for four-pipe (4T) systems;

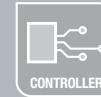
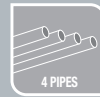
Every unit can have fresh air intake, the air distribution is in four directions and a remote air diffuser can be connected to the unit;

The condensate drain pump is particularly low noise and has a maximum head of 650 mm w.c.;

Standard condensate auxiliary tray;

Main accessories

- Interface SPB Kit
- IR receiver and remote control for CE/PCE controller
- Air duct connection kit
- Main coil 2-way/3-way valve unit
- Main and additional coils 2-way valve unit
- Main and additional coil 3-way valve unit



XH DU 2T

Models		402	502	602	702	802	1103	1203
Air flow rate								
Max speed	m3/h	610	520	710	880	1140	1500	1820
Med speed	m3/h	420	420	500	610	820	970	1280
Min speed	m3/h	310	310	320	430	630	710	710
Total output cooling capacity(1)								
Max speed (1)	kW	1,98	2,68	4,33	5,02	6,16	9,51	11,1
Med speed(1)	kW	1,63	2,34	3,34	3,88	4,91	6,78	8,45
Min speed(1)	kW	1,27	1,84	2,25	2,94	4,21	5,31	5,31
Sensitive output cooling capacity(1)								
Max speed (1)	kW	1,64	2,04	3,18	3,74	4,59	6,48	8,25
Med speed(1)	kW	1,32	1,75	2,39	2,81	3,58	4,48	6,09
Min speed(1)	kW	1,01	1,35	1,57	2,08	3,03	3,46	3,71
Max Water flow(1)	l/h	340	462	745	863	1060	1635	1909
Max Pressure drop(1)	kPa	10	9,6	15,1	19,7	21,6	26,9	35,6
Total output heating capacity(2)								
Max speed (2)	kW	2,64	3,35	5,23	6,17	7,77	10,7	14
Med speed(2)	kW	2,12	2,9	3,93	4,63	6,03	7,34	10,3
Min speed(2)	kW	1,62	2,22	2,56	3,43	5,12	5,61	6,13
Max Water flow(2)	l/h	340	462	745	863	1060	1635	1909
Max Pressure drop(2)	kPa	9	8,2	11,4	17,7	15,1	23	30,6
Sound pressure level(3)								
Max speed (3)	dB(A)	40	36	44	50	39	44	49
Med speed(3)	dB(A)	31	31	36	40	31	31	39
Min speed(3)	dB(A)	24	24	24	32	24	25	25
Sound power(3)								
Max speed (3)	dB(A)	49	45	53	59	48	53	58
Med speed(3)	dB(A)	40	40	45	49	40	40	48
Min speed(3)	dB(A)	33	33	33	41	33	34	34
Water content	l	0,8	1,4	2,1	2,1	3	4	4
Water IN connection	inch	1/2"G F	1/2"G F	1/2"G F	1/2"G F	3/4"G F	3/4"G F	3/4"G F
Water OUT connection	inch	1/2"G F	1/2"G F	1/2"G F	1/2"G F	3/4"G F	3/4"G F	3/4"G F
Max absorbed power	W	57	44	68	90	77	120	170
Max absorbed current	A	0,27	0,2	0,32	0,45	0,36	0,53	0,74
Electrical power supply	V-Ph-Hz	230V~50Hz	230V~50Hz	230V~50Hz	230V~50Hz	230V~50Hz	230V~50Hz	230V~50Hz
DIMENSION								
L	(mm)	574	574	574	574	820	820	820
H	(mm)	275	275	275	275	303	303	303
P	(mm)	574	574	574	574	820	820	820
Weight	kg	25	25	27	27	42	45	45

Data referred to

1 Operation in cooling mode: room temperature 27°C d.b./19°C w.b., chilled water at inlet 7°C and at outlet 12°C

2 Operation in heating mode: room temperature 20°C d.b., hot water at inlet 50°C, with identical flow rate that in the cooling mode

3 Noise level measured at 1 m in open field conditions

XHDU-R 2T

Models		502	602	702	802	1103	1203
Air flow rate							
Max speed	m3/h	520	710	880	1140	1500	1820
Med speed	m3/h	420	500	610	820	970	1280
Min speed	m3/h	310	320	430	630	710	710
Total output cooling capacity(1)							
Max speed (1)	kW	2,68	4,33	5,02	6,16	9,51	11,1
Med speed(1)	kW	2,34	3,34	3,88	4,91	6,78	8,45
Min speed(1)	kW	1,84	2,25	2,94	4,21	5,31	5,31
Sensitive output cooling capacity(1)							
Max speed (1)	kW	2,04	3,18	3,74	4,59	6,48	8,25
Med speed(1)	kW	1,75	2,39	2,81	3,58	4,48	6,09
Min speed(1)	kW	1,35	1,57	2,08	3,03	3,46	3,71
Max Water flow(1)	l/h	462	745	863	1060	1635	1909
Max Pressure drop(1)	kPa	9,6	15,1	19,7	21,6	26,9	35,6
Total output heating capacity(2)							
Max speed (2)	kW	3,35	5,23	6,17	7,77	10,7	14
Med speed(2)	kW	2,9	3,93	4,63	6,03	7,34	10,3
Min speed(2)	kW	2,22	2,56	3,43	5,12	5,61	6,13
Max Water flow(2)	l/h	462	745	863	1060	1635	1909
Max Pressure drop(2)	kPa	8,2	11,4	17,7	15,1	23	30,6
Sound pressure level(3)							
Max speed (3)	dB(A)	36	44	50	39	44	49
Med speed(3)	dB(A)	31	36	40	31	31	39
Min speed(3)	dB(A)	24	24	32	24	25	25
Sound power(3)							
Max speed (3)	dB(A)	45	53	59	48	53	58
Med speed(3)	dB(A)	40	45	49	40	40	48
Min speed(3)	dB(A)	33	33	41	33	34	34
Water content	l	1,4	2,1	2,1	3	4	4
Water IN connection	inch	1/2"G F	1/2"G F	1/2"G F	3/4"G F	3/4"G F	3/4"G F
Water OUT connection	inch	1/2"G F	1/2"G F	1/2"G F	3/4"G F	3/4"G F	3/4"G F
Max absorbed power	W	44	68	90	77	120	170
Max absorbed current	A	0,2	0,32	0,45	0,36	0,53	0,74
Electrical Heater (XHDU-R 2T unit)	kW	1,5	2,5	2,5	3	3	3
Electrical power supply with heater	V-Ph-Hz	230V~50Hz	230V~50Hz	230V~50Hz	400V-3N~50Hz	400V-3N~50Hz	400V-3N~50Hz
DIMENSION							
L	(mm)	574	574	574	820	820	820
H	(mm)	275	275	275	303	303	303
P	(mm)	574	574	574	820	820	820
Weight	kg	25	27	27	42	45	45

Data referred to

1 Operation in cooling mode: room temperature 27°C d.b./19°C w.b., chilled water at inlet 7°C and at outlet 12°C

2 Operation in heating mode: room temperature 20°C d.b., hot water at inlet 50°C, with identical flow rate that in the cooling mode

3 Noise level measured at 1 m in open field conditions

XHDU 4T

Models		402	502	602	702	802	1103	1203
Air flow rate								
Max speed	m3/h	610	520	710	880	1140	1500	1820
Med speed	m3/h	420	420	500	610	820	970	1280
Min speed	m3/h	310	310	320	430	630	710	710
Total output cooling capacity(1)								
Max speed (1)	kW	2,33	2,7	3,34	3,81	6,34	7,71	8,89
Med speed(1)	kW	1,96	2,36	2,65	3,02	5,03	5,66	6,93
Min speed(1)	kW	1,51	1,85	1,85	2,36	4,14	4,52	4,52
Sensitive output cooling capacity(1)								
Max speed (1)	kW	1,9	1,98	2,56	2,99	4,69	5,83	6,84
Med speed(1)	kW	1,55	1,7	1,98	2,29	3,57	4,15	5,18
Min speed(1)	kW	1,15	1,31	1,34	1,75	2,96	3,25	3,25
Max Water flow(1)	l/h	401	465	574	656	1090	1327	1529
Max Pressure drop(1)	kPa	13,5	8,8	13,4	17	18,9	26,9	34,7
Total output heating capacity(2)								
Max speed (2)	kW	3,03	3,46	4,4	4,95	9,1	11	12,7
Med speed(2)	kW	2,54	2,02	3,46	3,97	7,19	8,1	9,98
Min speed(2)	kW	1,96	2,43	2,43	3,1	5,91	6,45	6,45
Water flow Max(2)	l/h	261	298	378	426	783	946	1091
Pressure drop Max(2)	kPa	14,5	10,8	16,6	20,5	21,4	29,9	38,8
Sound pressure level(3)								
Max speed (3)	dB(A)	41	36	44	50	39	44	49
Med speed(3)	dB(A)	31	31	36	40	31	31	39
Min speed(3)	dB(A)	24	24	24	32	24	25	25
Sound power(3)								
Max speed (3)	dB(A)	50	45	53	59	48	53	58
Med speed(3)	dB(A)	40	40	45	49	40	40	48
Min speed(3)	dB(A)	33	33	33	41	33	34	34
Water content	l	1	1,4	1,4	1,4	3	3	3
Hot coil water content	l	0,6	0,7	0,7	0,7	1,4	1,4	1,4
Hot water coil connection	inch	1/2"G F	1/2"G F	1/2"G F	1/2"G F	1/2"G F	1/2"G F	1/2"G F
Cool water coil connection	inch	1/2"G F	1/2"G F	1/2"G F	1/2"G F	3/4"G F	3/4"G F	3/4"G F
Max absorbed power	W	57	44	68	90	77	120	170
Max absorbed current	A	0,27	0,2	0,32	0,45	0,36	0,53	0,74
Electrical power supply	V-Ph-Hz	230V~50Hz	230V~50Hz	230V~50Hz	230V~50Hz	230V~50Hz	230V~50Hz	230V~50Hz
DIMENSION								
L	(mm)	574	574	574	574	820	820	820
H	(mm)	275	275	275	275	303	303	303
P	(mm)	574	574	574	574	820	820	820
Weight	kg	27	27	27	27	45	45	45

Data referred to

1 Operation in cooling mode: room temperature 27°C d.b./19°C w.b., chilled water at inlet 7°C and at outlet 12°C

2 Operation in heating mode: room temperature 20°C d.b., hot water at inlet 70°C and at outlet 60°C

3 Noise level measured at 1 m in open field conditions

XHDE 2T

Models		402	502	602	702	802	1103	1203
Air flow rate								
Max speed	m3/h	610	520	710	880	1140	1500	1820
Med speed	m3/h	420	420	500	610	820	970	1280
Min speed	m3/h	310	310	320	430	630	710	710
Total output cooling capacity(1)								
Max speed (1)	kW	2,33	2,7	3,34	3,81	6,34	7,71	8,89
Med speed(1)	kW	1,96	2,36	2,65	3,02	5,03	5,66	6,93
Min speed(1)	kW	1,51	1,85	1,85	2,36	4,14	4,52	4,52
Sensitive output cooling capacity(1)								
Max speed (1)	kW	1,9	1,98	2,56	2,99	4,69	5,83	6,84
Med speed(1)	kW	1,55	1,7	1,98	2,29	3,57	4,15	5,18
Min speed(1)	kW	1,15	1,31	1,34	1,75	2,96	3,25	3,25
Max Water flow(1)	l/h	401	465	574	656	1090	1327	1529
Max Pressure drop(1)	kPa	13,5	8,8	13,4	17	18,9	26,9	34,7
Total output heating capacity(2)								
Max speed (2)	kW	3,03	3,46	4,4	4,95	9,1	11	12,7
Med speed(2)	kW	2,54	2,02	3,46	3,97	7,19	8,1	9,98
Min speed(2)	kW	1,96	2,43	2,43	3,1	5,91	6,45	6,45
Max Water flow(2)	l/h	261	298	378	426	783	946	1091
Max Pressure drop(2)	kPa	14,5	10,8	16,6	20,5	21,4	29,9	38,8
Sound pressure level(3)								
Max speed (3)	dB(A)	41	36	44	50	39	44	49
Med speed(3)	dB(A)	31	31	36	40	31	31	39
Min speed(3)	dB(A)	24	24	24	32	24	25	25
Sound power(3)								
Max speed (3)	dB(A)	50	45	53	59	48	53	58
Med speed(3)	dB(A)	40	40	45	49	40	40	48
Min speed(3)	dB(A)	33	33	33	41	33	34	34
Water content	l	1	1,4	1,4	1,4	3	3	3
Water IN connection	inch	1/2"G F	1/2"G F	1/2"G F	1/2"G F	3/4"G F	3/4"G F	3/4"G F
Water OUT connection	inch	1/2"G F	1/2"G F	1/2"G F	1/2"G F	3/4"G F	3/4"G F	3/4"G F
Max absorbed power	W	57	44	68	90	77	120	170
Max absorbed current	A	0,27	0,2	0,32	0,45	0,36	0,53	0,74
Electrical power supply	V-Ph-Hz	230V~50Hz	230V~50Hz	230V~50Hz	230V~50Hz	230V~50Hz	230V~50Hz	230V~50Hz
DIMENSION								
L	(mm)	574	574	574	574	820	820	820
H	(mm)	275	275	275	275	303	303	303
P	(mm)	574	574	574	574	820	820	820
Weight	kg	27	27	27	27	45	45	45

Data referred to

1 Operation in cooling mode: room temperature 27°C d.b./19°C w.b., chilled water at inlet 7°C and at outlet 12°C

2 Operation in heating mode: room temperature 20°C d.b., hot water at inlet 50°C, with identical flow rate that in the cooling mode

3 Noise level measured at 1 m in open field conditions

Dimension

