

LARICE HP

Water terminal unit. Indoor installation, horizontal uncased ductable

Capacity from 4,1 to 25,3 kW



Clivet participates in the ECP Programme for "Fan Coil". Check ongoing validity of certificate on www.eurovent-certification.com



Cool & heat



Horizontal:
uncased



Water



EC Motor



CONTROL4
NRG
management

- ✓ For ducted applications with high head
- ✓ Versions with high efficiency EC motor (DUE) and AC motor (DUA)
- ✓ Also in the version for a 4-pipe system (DUA)

Versions and configurations

TYPE OF SYSTEM:

CC2 2-pipe (Standard)
CC4 4 pipe

INSTALLAZIONE:

INH Horizontal built-in installation (Standard)

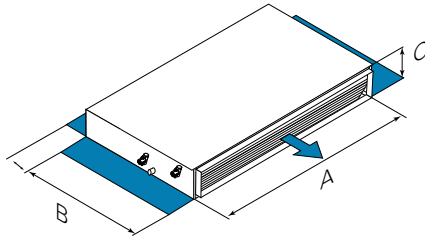
RIPRESA DELL'ARIA:

RP From the back (Standard)

CONNESSIONI IDRAULICHE

SX Connections on the left (Standard)
DX Right side fittings

Dimensions and connections



Size		DUE/DUA-H1	12	14	22	24	32	34	42	44	52	54	62	64
DUA-H1 DUE-H1	A - Length	mm	1133	1133	1133	1133	1133	1133	1445	1445	1445	1445	1535	1535
	B - Width	mm	698	698	698	698	698	698	853	853	853	853	1100	1100
	C - Height	mm	255	255	255	255	305	305	293	293	368	368	421	421
Weight	DUA-H1 - CC2	kg	47		48		56		78		88		124	
	DUA-H1 - CC4	kg		50		51		60		83		94		134
	DUE-H1 - CC2	kg	47		48		56		78		88		124	
	DUE-H1 - CC4	kg		50		51		60		83		94		134

The above mentioned data are referred to standard units for the constructive configurations indicated.
For all the other configurations, refer to the relative Technical Bulletin.

Technical data

Size		DUE-H1	12	22	32	42	52*	62*
2 pipe								
High speed								
Air flow rate		m³/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 drop	(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 drop	(2)	kPa	13,7	18,8	21,4	23,9	25,4	33,1
Total power input		W	144	225	340	530	609	636
Medium speed								
Air flow rate		m³/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 drop	(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 drop	(2)	kPa	10,7	12,9	16,4	17,4	20,3	25,6
Total power input		W	88	110	195	253	383	330
Low speed								
Air flow rate		m³/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 drop	(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 drop	(2)	kPa	6,5	7,5	10,1	11,6	12,8	14,2
Total power input		W	40	44	80	110	166	106
Standard power supply		V/n°/Hz	220-240/1/50					
Type of supply fan	(3)	-	CFG EC					
No. of supply fan		-	2	2	2	2	2	2
H Sound pressure level (supply)	(4)	dB(A)	61	63	66	69	73	75
M Sound pressure level (supply)	(4)	dB(A)	59	61	64	67	71	73
L Sound pressure level (supply)	(4)	dB(A)	55	57	62	64	70	72
H Sound pressure level (return + irradiated)	(4)	dB(A)	52	55	60	62	67	69
M Sound pressure level (return + irradiated)	(4)	dB(A)	48	48	55	58	61	60
L Sound pressure level (return + irradiated)	(4)	dB(A)	45	45	52	55	58	57

(1) Entering exchanger water 7°C (temperature differential 5°C) - Ambient air 27°C D.B. / 19°C W.B.
(2) Entering exchanger water 45°C (temperature differential 5°C) - Ambient air 20°C

(3) CFG = Centrifugal fan
(4) Sound levels tested in anechoic chamber and referring to units for 2-pipe systems.
* Sizes not covered by Eurovent certification

Size		DUE-H1	14	24	34	44	54*	64*
4 pipe								
High speed								
Air flow rate		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 pressur drop	(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 pressur drop	(2)	kPa	12,2	26,4	17,3	33,0	31,4	41,3
Total power input		W	144	225	340	530	609	661
Medium speed								
Air flow rate		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 pressur drop	(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 pressur drop	(2)	kPa	13,4	20,4	14,3	26,3	25,7	33,2
Total power input		W	88	115	200	253	384	343
Low speed								
Air flow rate		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 pressur drop	(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 pressur drop	(2)	kPa	9,4	13,6	9,9	19,6	18,4	19,8
Total power input		W	40	44	80	110	164	124
Standard power supply		V/n°/Hz	220-240/1/50					
Type of supply fan	(3)	-	CFG EC					
No. of supply fan		-	2	2	2	2	2	2
H Sound pressure level (supply)	(4)	dB(A)	61	63	66	69	73	75
M Sound pressure level (supply)	(4)	dB(A)	59	61	64	67	71	73
L Sound pressure level (supply)	(4)	dB(A)	55	57	62	64	70	72
H Sound pressure level (return + irradiated)	(4)	dB(A)	52	55	60	62	67	69
M Sound pressure level (return + irradiated)	(4)	dB(A)	48	48	55	58	61	60
L Sound pressure level (return + irradiated)	(4)	dB(A)	45	45	52	55	58	57

(1) Entering exchanger water 7°C (temperature differential 5°C) - Ambient air 27°C D.B. / 19°C W.B.

(2) Entering exchanger water 65°C (temperature differential 10°C) - Ambient air 20°C

(3) CFG = Centrifugal fan

(4) Sound levels tested in anechoic chamber and referring to units for 2-pipe systems.

* Sizes not covered by Eurovent certification

Size		DUA-H1	12	22	32	42	52*	62*
2 pipe								
High speed								
Air flow rate		m ³ /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 pressur drop	(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	2351	2847	3950	5350
Water pressur drop	(2)	kPa	11,3	18,3	15,0	21,3	22,8	16,9
Total power input		W	358	285	470	570	760	1334
Medium speed								
		Pa						
Air flow rate		m ³ /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 pressur drop	(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 pressur drop	(2)	kPa	8,2	12,7	20,2	17,7	18,3	10,2
Total power input		W	152	230	420	490	617	909
Low speed								
		Pa						
Air flow rate		m ³ /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 pressur drop	(1)	kPa	5,0	7,0	16,0	14,0	13,3	5,2
Heating capacity	(2)	kW	4,98	5,57	10,43	12,79	17,67	14,57
Water flow-rate	(2)	l/h	858	959	1868	2203	3044	2639
Water pressur drop	(2)	kPa	5,2	6,2	9,9	13,4	13,3	4,8
Total power input		W	115	170	350	390	500	693
Standard power supply		V/n°/Hz	220-240/1/50					
Type of supply fan	(3)	-	CFG AC					
No. of supply fan		-	2	2	2	2	2	2
H Sound pressure level (supply)	(4)	dB(A)	60	64	67	68	72	76
M Sound pressure level (supply)	(4)	dB(A)	58	61	65	66	70	73
L Sound pressure level (supply)	(4)	dB(A)	55	59	64	65	69	70
H Sound pressure level (return + irradiated)	(4)	dB(A)	52	56	62	63	67	67
M Sound pressure level (return + irradiated)	(4)	dB(A)	47	47	60	61	65	62
L Sound pressure level (return + irradiated)	(4)	dB(A)	44	44	57	59	63	63

(1) Entering exchanger water 7°C (temperature differential 5°C) - Ambient air 27°C D.B. / 19°C W.B.
 (2) Entering exchanger water 45°C (temperature differential 5°C) - Ambient air 20°C

(3) CFG = Centrifugal fan
 (4) Sound levels tested in anechoic chamber and referring to units for 2-pipe systems.
 * Sizes not covered by Eurovent certification

Size		DUA-H1	14	24	34	44	54*	64*
4 pipe								
High speed								
Air flow rate		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 pressur drop	(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 pressur drop	(2)	kPa	17,5	26,3	18,1	33,9	38,4	22,5
Total power input		W	185	275	460	570	760	1310
Medium speed								
Air flow rate		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 pressur drop	(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 pressur drop	(2)	kPa	14,2	20,8	15,6	29,9	32,9	14,8
Total power input		W	155	225	415	490	617	894
Low speed								
Air flow rate		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 pressur drop	(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 pressur drop	(2)	kPa	9,8	12,0	12,9	24,6	27,4	7,7
Total power input		W	115	170	345	390	500	689
Standard power supply		V/n°/Hz	220-240/1/50					
Type of supply fan	(3)	-	CFG AC					
No. of supply fan		-	2	2	2	2	2	2
H Sound pressure level (supply)	(4)	dB(A)	60	64	67	68	72	76
M Sound pressure level (supply)	(4)	dB(A)	58	61	65	66	70	73
L Sound pressure level (supply)	(4)	dB(A)	55	59	64	65	69	70
H Sound pressure level (return + irradiated)	(4)	dB(A)	52	56	62	63	67	67
M Sound pressure level (return + irradiated)	(4)	dB(A)	47	47	60	61	65	62
L Sound pressure level (return + irradiated)	(4)	dB(A)	44	44	57	59	63	63

(1) Entering exchanger water 7°C (temperature differential 5°C) - Ambient air 27°C D.B. / 19°C W.B.

(2) Entering exchanger water 65°C (temperature differential 10°C) - Ambient air 20°C

(3) CFG = Centrifugal fan

(4) Sound levels tested in anechoic chamber and referring to units for 2-pipe systems.

* Sizes not covered by Eurovent certification

Accessories

3V2X	Three-way "on/off" valve kit for main coil for 2-pipe units
3V4OHX	Three-way "on/off" valve kit for additional coil for 4-pipes units
PCX	Supply/Return air plenum with circular connections
FG4X	Synthetic filter Class G4 (ePM10 50%)
BROPX	Auxiliary drain pan (horizontal installation)
HIDE2X	Electro-mechanical thermostat for wall-installation with built-in temperature probe (for AC version)

HMIFACX	KJRP-86R electronic wired controller for unit or wall-mounting (for AC version)
BOXX	Box for wall installation of KJRP-86R user interface
HID-TIFX	Thermostat for fancoil unit with 0-10V port and water probe included (AC/EC fan control)

Accessories whose code ends with "X" are supplied separately
For compatibility between the various accessories, please refer to the dedicated Technical Bulletin.