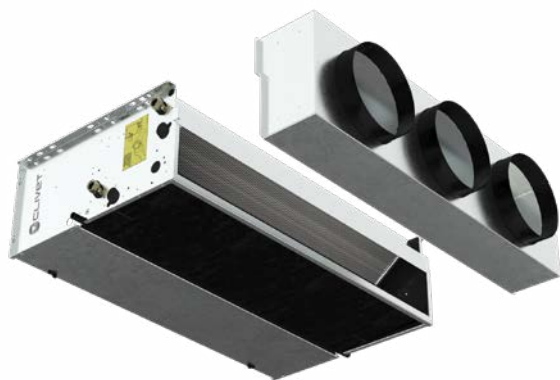


LARICE MP

Water terminal unit. Indoor installation, horizontal and vertical uncased ductable

Capacity from 0,75 to 10,6 kW



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



Cool & heat



Horizontal and vertical: cased



Water



EC Motor



CONTROL4 NRG management

- ✓ For ducted applications with medium 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/V	Horizontal/vertical uncased (Standard)
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RIPRESA DELL'ARIA:

RP	From the back / From the bottom (Standard)
RB	From the bottom / From the front

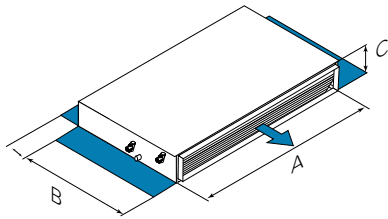
CONNESSIONI IDRAULICHE

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

VALVOLE MONTATE A BORDO:

-	not required (Standard)
2V2	2-way ON/OFF valves for 2-pipe version
3V2	3-way ON/OFF valves for 2-pipe version
2V4	2-way ON/OFF valves for 4-pipe version
3V4	3-way ON/OFF valves for 4-pipe version

Dimensions and connections



Size		DUE/DUA-M1	12	14	22	24	32	34	42	44	52	54	62	64	72	82	92	102	112	122
DUA-M1	A - Length	mm	689	689	689	904	904	1119	904	1334	1119	1549	1119	1549	1334	1334	1549	1549	1549	1549
	B - Width	mm	511	511	511	511	511	511	511	511	511	511	511	511	511	511	511	511	511	511
	C - Height	mm	248	248	248	248	248	248	248	248	248	248	248	248	248	248	248	248	248	248
DUE-M1	A - Length	mm	474	474	474	689	689	904	689	1119	904	1549	904	1764	1119	1119	1549	1549	1764	1764
	B - Width	mm	511	511	511	511	511	511	511	511	511	511	511	511	511	511	511	511	511	511
	C - Height	mm	248	248	248	248	248	248	248	248	248	248	248	248	248	248	248	248	248	248
Weight	DUA-M1 - CC2	kg	18,5		19,5		25,4		26,7		26,5		27,9		27,9	29,0	47,2	48,9	47,4	49,1
	DUA-M1 - CC4	kg		19,7		26,9		28,3		29,7		49,5		49,7						
	DUE-M1 - CC2	kg	13,8		14,3		16,9		17,9		22,6		23,6		26,4	27,5	44,5	46,6	48,9	51,6
	DUE-M1 - CC4	kg		14,5		18,1		24,0		28,1		46,7		51,3						

CAUTION!

For trouble-free operation of the unit it is essential to maintain the safety distances indicated by the blue areas.

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-M1	12	22	32	42	52	62	72	82	92	102	112	122
2 pipe														
High speed														
Air flow rate		m³/h	290	290	360	360	630	630	980	980	1410	1410	1923	1923
External static pressure		Pa	75	75	68	68	70	70	66	66	72	72	70	70
Cooling capacity	(1)	kW	1,65	1,95	2,23	2,48	3,55	4,25	5,43	5,91	7,67	8,47	10,00	10,60
Sensible capacity	(1)	kW	1,30	1,45	1,63	1,78	2,68	3,04	4,21	4,45	5,86	6,33	7,80	8,20
Water flow-rate	(1)	l/h	284	336	384	427	611	732	935	922	1321	1459	1722	1826
Water pressur drop	(1)	kPa	9,2	15,4	23,0	13,0	19,0	31,0	23,0	15,0	21,0	18,0	39,0	40,0
Heating capacity	(2)	kW	1,90	2,00	2,37	2,52	4,00	4,37	6,27	6,55	8,24	9,35	10,70	11,50
Water flow-rate	(2)	l/h	327	345	408	434	689	753	1080	1128	1419	1611	1843	1981
Water pressur drop	(2)	kPa	8,0	12,3	22,0	13,0	18,0	26,6	23,0	14,0	19,0	18,0	43,0	39,0
Total power input		W	37	37	39	39	64	64	98	98	155	155	246	246
Medium speed														
Air flow rate		m³/h	225	225	305	305	540	540	850	850	1175	1175	1638	1638
External static pressure		Pa	50	50	50	50	50	50	50	50	50	50	50	50
Cooling capacity	(1)	kW	1,39	1,55	1,97	2,17	3,21	3,79	4,94	5,34	6,81	7,46	8,60	9,25
Sensible capacity	(1)	kW	1,00	1,15	1,42	1,54	2,38	2,68	3,77	3,97	5,11	5,48	6,50	7,10
Water flow-rate	(1)	l/h	239	267	339	374	553	653	851	841	1173	1285	1481	1593
Water pressur drop	(1)	kPa	6,7	10,8	19,0	10,0	16,0	25,0	19,0	13,0	17,0	14,0	29,0	30,0
Heating capacity	(2)	kW	1,50	1,65	2,05	2,17	3,51	3,80	5,56	5,77	7,09	7,96	9,25	10,00
Water flow-rate	(2)	l/h	258	284	353	374	605	655	958	994	1221	1371	1593	1722
Water pressur drop	(2)	kPa	5,5	8,1	17,0	10,0	15,0	21,0	19,0	12,0	15,0	14,0	34,0	30,0
Total power input		W	21	21	29	29	43	43	67	67	100	100	160	160
Low speed														
Air flow rate		m³/h	110	110	240	240	430	430	595	595	900	900	1238	1238
External static pressure		Pa	10	10	32	32	34	34	24	24	30	30	28	28
Cooling capacity	(1)	kW	0,75	0,80	1,64	1,77	2,72	3,14	3,84	4,09	5,66	6,12	6,75	7,20
Sensible capacity	(1)	kW	0,55	0,60	1,17	1,25	1,99	2,20	2,83	2,95	4,15	4,40	5,05	5,50
Water flow-rate	(1)	l/h	129	138	282	305	469	541	661	661	975	1054	1163	1240
Water pressur drop	(1)	kPa	3,5	3,5	13,0	7,0	12,0	18,0	12,0	8,0	12,0	10,0	19,0	20,0
Heating capacity	(2)	kW	0,80	0,80	1,65	1,73	2,88	3,08	4,07	4,19	5,69	6,26	7,00	8,00
Water flow-rate	(2)	l/h	138	138	284	298	496	531	701	722	980	1078	1206	1378
Water pressur drop	(2)	kPa	1,7	2,6	12,0	7,0	10,0	14,0	11,0	6,0	10,0	9,0	25,0	20,0
Total power input		W	7	7	18	18	26	26	30	30	52	52	84	84
Standard power supply		V/n°/Hz	220-240/1/50											
Type of supply fan	(3)	-	CFG EC											
No. of supply fan		-	1	1	1	1	2	2	2	2	2	2	3	3
H Sound pressure level (supply)	(4)	dB(A)	55	55	55	55	58	58	62	62	64	64	66	66
M Sound pressure level (supply)	(4)	dB(A)	48	48	48	48	49	49	55	55	57	57	59	59
L Sound pressure level (supply)	(4)	dB(A)	43	44	44	44	47	47	52	52	54	54	56	56
H Sound pressure level (return + irradiated)	(4)	dB(A)	41	42	42	42	46	46	53	53	52	52	54	54
M Sound pressure level (return + irradiated)	(4)	dB(A)	29	38	38	38	42	42	44	44	47	47	49	49
L Sound pressure level (return + irradiated)	(4)	dB(A)	27	36	36	36	39	39	42	42	45	45	47	47

(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.

Size		DUE-M1	14	24	34	44	54	64
4 pipe								
High speed								
Air flow rate		m ³ /h	315	625	790	980	1240	1425
External static pressure		Pa	58	58	60	65	60	63
Cooling capacity	(1)	kW	1,65	2,23	3,55	5,35	7,67	10,00
Sensible capacity	(1)	kW	1,30	1,63	2,67	4,13	5,86	7,80
Water flow-rate	(1)	l/h	284	384	611	922	1321	1722
Water pressur drop	(1)	kPa	9,2	23,0	19,0	23,0	21,0	39,0
Heating capacity	(2)	kW	1,29	1,92	3,03	4,22	6,31	7,80
Water flow-rate	(2)	l/h	111	165	261	363	543	672
Water pressur drop	(2)	kPa	3,2	9,0	5,0	9,0	18,0	29,0
Total power input		W	37	39	67	98	155	246
Medium speed								
Air flow rate		m ³ /h	225	305	540	835	1175	1638
External static pressure		Pa	50	50	50	50	50	50
Cooling capacity	(1)	kW	1,39	1,97	3,21	4,88	6,81	8,60
Sensible capacity	(1)	kW	1,00	1,42	2,38	3,71	5,11	6,50
Water flow-rate	(1)	l/h	239	339	553	841	1173	1481
Water pressur drop	(1)	kPa	6,7	19,0	16,0	19,0	17,0	29,0
Heating capacity	(2)	kW	1,07	1,72	2,74	3,87	5,60	7,00
Water flow-rate	(2)	l/h	92	148	236	333	482	603
Water pressur drop	(2)	kPa	2,4	7,0	4,0	7,0	14,0	27,0
Total power input		W	21	29	43	67	100	160
Low speed								
Air flow rate		m ³ /h	110	240	430	595	900	1238
External static pressure		Pa	10	32	34	24	30	28
Cooling capacity	(1)	kW	0,75	1,64	2,72	3,84	5,66	6,75
Sensible capacity	(1)	kW	0,55	1,17	1,98	2,83	4,15	5,05
Water flow-rate	(1)	l/h	129	282	469	661	975	1163
Water pressur drop	(1)	kPa	3,5	13,0	12,0	12,0	12,0	19,0
Heating capacity	(2)	kW	0,56	1,46	2,36	3,09	4,70	6,00
Water flow-rate	(2)	l/h	47	126	203	266	405	517
Water pressur drop	(2)	kPa	1,1	5,0	3,0	5,0	11,0	20,0
Total power input		W	7	18	27	30	52	84
Standard power supply		V/n°/Hz	220-240/1/50					
Type of supply fan	(3)	-	CFG EC					
No. of supply fan		-	1	1	2	2	2	3
H Sound pressure level (supply)	(4)	dB(A)	55	55	58	62	64	66
M Sound pressure level (supply)	(4)	dB(A)	48	48	49	55	57	59
L Sound pressure level (supply)	(4)	dB(A)	43	44	47	52	54	56
H Sound pressure level (return + irradiated)	(4)	dB(A)	41	42	46	53	52	54
M Sound pressure level (return + irradiated)	(4)	dB(A)	29	38	42	44	47	49
L Sound pressure level (return + irradiated)	(4)	dB(A)	27	36	39	42	45	47

(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.

Size		DUA-M1	12	22	32	42	52	62	72	82	92	102	112	122
2 pipe														
High speed														
Air flow rate		m³/h	315	315	625	625	790	790	980	980	1240	1240	1425	1425
External static pressure		Pa	58	58	58	58	60	60	65	65	60	60	63	63
Cooling capacity	(1)	kW	2,00	2,22	3,60	4,28	4,72	5,36	5,47	5,94	7,11	7,82	7,70	8,62
Sensible capacity	(1)	kW	1,44	1,57	2,70	3,04	3,55	3,84	4,22	4,46	5,36	5,72	5,89	6,38
Water flow-rate	(1)	l/h	345	382	620	737	813	923	942	1023	1225	1347	1326	1485
Water pressur drop	(1)	kPa	20,0	11,0	19,6	31,3	17,7	36,1	23,2	15,6	18,7	15,6	21,7	18,7
Heating capacity	(2)	kW	2,11	2,23	3,98	4,34	5,22	5,42	6,27	6,55	7,58	8,34	8,49	9,42
Water flow-rate	(2)	l/h	363	384	686	748	899	934	1080	1128	1306	1437	1462	1623
Water pressur drop	(2)	kPa	18,0	10,5	18,3	26,2	16,6	28,9	23,0	14,5	16,5	15,0	20,2	18,6
Total power input		W	51	51	94	94	110	110	148	148	145	145	186	186
Medium speed														
Air flow rate		m³/h	290	290	575	575	720	720	850	850	1120	1120	1270	1270
External static pressure		Pa	50	50	50	50	50	50	50	50	50	50	50	50
Cooling capacity	(1)	kW	1,88	2,07	3,40	4,01	4,42	4,99	4,97	5,36	6,62	7,25	7,11	7,92
Sensible capacity	(1)	kW	1,35	1,46	2,53	2,84	3,30	3,55	3,77	3,97	4,94	5,26	5,37	5,80
Water flow-rate	(1)	l/h	324	357	586	691	761	860	856	923	1140	1249	1225	1364
Water pressur drop	(1)	kPa	17,0	9,7	17,7	27,9	15,7	31,7	19,4	12,9	16,4	13,6	18,8	16,1
Heating capacity	(2)	kW	1,96	2,07	3,70	4,02	4,82	4,99	5,56	5,77	6,96	7,63	7,73	8,52
Water flow-rate	(2)	l/h	338	357	637	692	830	860	958	994	1199	1314	1331	1468
Water pressur drop	(2)	kPa	16,0	9,2	16,1	22,8	14,3	24,9	18,6	11,5	14,2	12,7	17,1	15,6
Total power input		W	45	45	87	87	96	96	122	122	125	125	177	177
Low speed														
Air flow rate		m³/h	205	205	395	395	380	380	600	600	580	580	905	905
External static pressure		Pa	25	25	26	26	14	14	23	23	15	15	26	26
Cooling capacity	(1)	kW	1,43	1,54	2,57	2,93	2,68	2,89	3,85	4,10	3,99	4,23	5,58	6,10
Sensible capacity	(1)	kW	1,01	1,07	1,85	2,03	1,90	2,00	2,82	2,95	2,83	2,96	4,06	4,34
Water flow-rate	(1)	l/h	246	265	443	505	462	498	663	706	687	729	961	1051
Water pressur drop	(1)	kPa	11,0	5,6	10,6	15,8	6,3	11,8	12,2	7,9	6,6	5,1	12,2	10,1
Heating capacity	(2)	kW	1,43	1,49	2,67	2,85	2,71	2,76	4,10	4,22	3,94	4,17	5,82	6,30
Water flow-rate	(2)	l/h	246	257	460	491	467	475	706	727	679	718	1002	1085
Water pressur drop	(2)	kPa	9,0	5,1	8,9	12,3	5,1	8,6	10,7	6,6	5,1	4,3	10,3	9,0
Total power input		W	27	27	59	59	50	50	88	88	69	69	155	155
Standard power supply		V/n°/Hz	220-240/1/50											
Type of supply fan	(3)	-	CFG AC											
No. of supply fan		-	1	1	2	2	2	2	2	2	2	2	3	3
H Sound pressure level (supply)	(4)	dB(A)	52	52	56	56	58	58	62	62	60	60	63	63
M Sound pressure level (supply)	(4)	dB(A)	43	43	49	49	51	51	55	55	52	52	56	56
L Sound pressure level (supply)	(4)	dB(A)	50	50	55	55	56	56	59	59	58	58	60	60
H Sound pressure level (return + irradiated)	(4)	dB(A)	42	42	47	47	48	48	52	52	50	50	53	53
M Sound pressure level (return + irradiated)	(4)	dB(A)	42	42	45	45	43	43	51	51	46	46	53	53
L Sound pressure level (return + irradiated)	(4)	dB(A)	34	34	38	38	36	36	44	44	38	38	46	46

(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.

Size		DUA-M1	14	24	34	44	54	64
4 pipe								
High speed								
Air flow rate		m ³ /h	315	625	790	980	1240	1425
External static pressure		Pa	58	58	60	65	60	63
Cooling capacity	(1)	kW	2,00	3,60	4,72	5,47	7,11	7,70
Sensible capacity	(1)	kW	1,44	2,70	3,55	4,22	5,36	5,89
Water flow-rate	(1)	l/h	345	620	813	942	1225	1326
Water pressur drop	(1)	kPa	19,5	19,6	17,7	23,2	18,7	21,7
Heating capacity	(2)	kW	1,76	3,02	3,91	4,49	5,8	6,35
Water flow-rate	(2)	l/h	152	260	337	387	500	547
Water pressur drop	(2)	kPa	7,5	4,8	7,5	9,6	15,3	18,1
Total power input		W	51	94	110	148	145	186
Medium speed								
Air flow rate		m ³ /h	290	575	720	850	1120	1270
External static pressure		Pa	50	50	50	50	50	50
Cooling capacity	(1)	kW	1,88	3,40	4,42	4,97	6,62	7,11
Sensible capacity	(1)	kW	1,35	2,53	3,30	3,77	4,94	5,37
Water flow-rate	(1)	l/h	324	586	761	856	1140	1225
Water pressur drop	(1)	kPa	17,4	17,7	15,7	19,4	16,4	18,8
Heating capacity	(2)	kW	1,66	2,85	3,68	4,10	5,44	5,90
Water flow-rate	(2)	l/h	143	245	317	353	469	508
Water pressur drop	(2)	kPa	6,8	4,3	6,7	8,2	13,7	15,8
Total power input		W	45	87	96	122	125	177
Low speed								
Air flow rate		m ³ /h	205	395	380	600	580	905
External static pressure		Pa	25	26	14	23	15	26
Cooling capacity	(1)	kW	1,43	2,57	2,68	3,85	3,99	5,58
Sensible capacity	(1)	kW	1,01	1,85	1,90	2,82	2,83	4,06
Water flow-rate	(1)	l/h	246	443	462	663	687	961
Water pressur drop	(1)	kPa	10,5	10,6	6,3	12,2	6,6	12,2
Heating capacity	(2)	kW	1,30	2,22	2,38	3,26	3,48	4,72
Water flow-rate	(2)	l/h	112	191	205	281	300	407
Water pressur drop	(2)	kPa	4,4	2,8	3,1	5,4	6,1	10,6
Total power input		W	27	59	50	88	69	155
Standard power supply		V/n°/Hz	220-240/1/50					
Type of supply fan	(3)	-	CFG AC					
No. of supply fan		-	1	2	2	2	2	3
H Sound pressure level (supply)	(4)	dB(A)	52	56	58	62	60	63
M Sound pressure level (supply)	(4)	dB(A)	43	49	51	55	52	56
L Sound pressure level (supply)	(4)	dB(A)	50	55	56	59	58	60
H Sound pressure level (return + irradiated)	(4)	dB(A)	42	47	48	52	50	53
M Sound pressure level (return + irradiated)	(4)	dB(A)	42	45	43	51	46	53
L Sound pressure level (return + irradiated)	(4)	dB(A)	34	38	36	44	38	46

(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.

Accessories

2V2X	Two-way "on/off" valve kit for main coil for 2-pipes units	SILRX	Silencer return air plenum
3V2X	Three-way "on/off" valve kit for main coil for 2-pipes units	FMX	Straight supply air flange
2V4OHX	Two-way "on/off" valve kit for additional coil for 4-pipes units	F90MX	90° supply air flange
3V4OHX	Three-way "on/off" valve kit for additional coil for 4-pipes units	PCCMAX	Supply air plenum with circular connections
VB2X	Balancing valve kit for main coil for 2-pipes units	BOMX	Supply air nozzle
VB4X	Balancing valve kit for additional coil for 4-pipes units	SILMX	Silencer supply air plenum
BROPX	Auxiliary drain pan (horizontal installation)	HIDE2X	Electro-mechanical thermostat for wall-installation with built-in temperature probe (for AC version)
BRVX	Auxiliary condensate collection pan (horizontal installation)	HMIFACX	KJRP-86R electronic wired controller for unit or wall-mounting
DPHX	Condensate drain pump for horizontal installation	BOXX	Box for wall installation of KJRP-86R user interface
DPVX	Condensate drain pump for vertical installation	HID-TIFX	Thermostat for fancoil unit with 0-10V port and water probe included (AC/EC fan control)
GFDX	Return air grille for straight flange		
FDAX	Straight return air flange		
GF90X	Return air grille for 90° flange		
F90AX	90° return air flange		
PCCRAX	Return air plenum with circular connections		

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