NGW 0500-2600

Water cooled heat pump reversible water side

Cooling capacity 116,3 ÷ 790,2 kW
Heating capacity 131,3 ÷ 904,6 kW

- **Production of hot water up to 60 °C**
- **Options of 1 or 2 pumps on both source and user side.**
- **Reversible on hydraulic side in heat pump**

EUROVENT CERTIFIED PERFORMANCE
www.eurovent-certification.com

DESCRIPTION

Water-water offering chilled/hot water, designed to mit air conditioning needs in residential/commercial complexes or industrial applications.
Units with hermetic scroll compressors and plate heat exchangers.
The base, the structure and the panels are made of galvanized steel treated with polyester paint RAL 9003.

FEATURES

Operating field

Full load functioning with production of chilled water from -2 to 20 °C, with the possibility of also producing water at negative temperatures down to -10 °C at the evaporator and hot water at the condenser up to 60 °C.
(for more information, refer to the technical documentation).

Compressors

The compressors, optimised for low compression ratios in tandem and trio two-circuit configuration, ensure high efficiency especially at part loads, enabling them to exceed the minimum seasonal energy efficiency requirements for the design of low energy systems in both winter and summer.

Dual-circuit unit

The units are two-circuit to ensure continuity of operation in case one of the circuits fails.

Option integrated hydronic kit, source and user side

The hydronic kit is available in different configurations with one or two pumps, both on the evaporator and condenser side, in order to have a cost-saving solution that also facilitates final installation.

Refrigerant HFC R32

Thanks to the R32 refrigerant (A2L slightly flammable), the environmental impact of the units is significantly reduced.
Combining a reduced refrigerant load with a low global warming potential (GWP), these units boast low equivalent CO_2 values.
The unit is fitted with:

— Refrigerant gas detector and safety valves with exchange valve as standard
— Electrical control board completely separate from compressor compartment
— Only the version with hood is available

The machine can be installed in class 3 areas according to EN 378-3.

Electronic expansion valve

The possibility to use electronic expansion valve, offers significant benefits, especially when the chiller is working with partial loads, increasing the energy seasonal efficiency of the unit.

CONTROL

Microprocessor control, complete with a 6-button multifunction keypad for simple and intuitive navigation between the various screens, making it possible to edit the operating parameters and fully manage alarms and their history.

— The presence of a programmable timer allows functioning time periods and a possible second set-point to be set.
— The temperature control takes place with the integral proportional logic, based on the water output temperature.

ACCESSORIES

AERNET: The device remotely controls, manages and remotely monitors a chiller/heat pump using a PC, smartphone or table via a Cloud connection. AERNET acts as Master while each connected unit is configured as Slave up to a maximum of 6 control cards. The connection is made via cable and/or USB key. Wi-Fi connectivity is not available. It is also possible to save a log file with all the data from the connected units to your terminal with a simple click for possible post-analysis. With the purchase of the Router, the Customer benefits from a 24-month free period during which he can use the Aernet Service at no additional cost. At the end of this initial period, the Service may be renewed by subscribing to a 1, 2 or 3 year subscription. For further details on costs and renewal methods, please contact our office or consult the technical documentation available on our website. www.aermec.com.
FL: Flow switch.
MULTICHILLER-EVO: Control, switch-on and switch-off system of the single chillers where multiple units are installed in parallel (max. no. 9), always ensuring constant flow rate to the evaporators.
SGD: Electronic expansion that enables connecting to the photovoltaic system and heat pumps to accumulate heat in the DHW tank or in the heating system during the photovoltaic production phase and release it at times when heating demand is highest.

SI485: RS-485 interface for supervising systems with MODBUS protocol. 1 accessory is provided for each unit control board.
AVX: Spring anti-vibration supports.
SAENGW: External air probe for climate control curve.
KITFILTRO_2"1/2: The kit, supplied in a wooden crate, contains all the necessary elements for quick and efficient installation: water filter, 2"1/2 flexible coupling and insulation shell.
KITFILTRO_4": The kit, supplied in a wooden crate, contains all the necessary elements for quick and efficient installation: Y-water filter, 4" pipe, flexible coupling and insulation shell.

PR4: Remote panel with LCD display and touch keyboard that allows carrying out the basic controls, the programming of time ranges and the signalling of the alarms of a single unit.

The accessory PR4 should only be combined with SI485 communication interface when the serial port is occupied by another device.

FACTORY FITTED ACCESSORIES

DRE: Electronic device for peak current reduction.

ACCESSORIES COMPATIBILITY

Accessories

Model	0500	0550	0600	0650	0700	0750	0800	0900	1000	1200	1400	1500	1600	1800	2000	2200	2450	2600
AERNET	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
FL	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
MULTICHILLER-EVO	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
SGD	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
SI485	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•

Remote panel

Model	0500	0550	0600	0650	0700	0750	0800	0900	1000	1200	1400	1500	1600	1800	2000	2200	2450	2600
PR4	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•

The accessory PR4 should only be combined with SI485 communication interface when the serial port is occupied by another device.

Antivibration

Hydronic kit integrated on chilled water utility side	Integrated hydronic kit, source side	0500	0550	0600	0650	0700	0750	0800	0900	1000
00	00	AVX380	AVX380	AVX380	AVX380	AVX380	AVX380	AVX380	AVX380	AVX380
00	IA, IB, IC, ID, IE, IF, IG, JA, JB, JC, JD, JE, JF, JG, UA, UB, UC, UD, UE, UF, UG, VA, VB, VC, VD, VE, VF, VG	AVX380	AVX380	AVX380	AVX380	AVX380	AVX381	AVX381	AVX381	AVX381
DA, DB, DC, DD, DE, DF, DG	00, IA, IB, IC, ID, IE, IF, IG, UA, UB, UC, UD, UE, UF, UG	AVX380	AVX380	AVX380	AVX380	AVX380	AVX381	AVX381	AVX381	AVX381
PA, PB, PC, PD, PE, PF, PG	00, IA, IB, IC, ID, IE, IF, IG, JA, JB, JC, JD, JE, JF, JG, UA, UB, UC, UD, UE, UF, UG, VA, VB, VC, VD, VE, VF, VG	AVX380	AVX380	AVX380	AVX380	AVX380	AVX381	AVX381	AVX381	AVX381
DA, DB, DC, DD, DE, DF, DG	JA, JB, JC, JD, JE, JF, JG, VA, VB, VC, VD, VE, VF, VG	AVX380	AVX380	AVX380	AVX380	AVX380	AVX391	AVX382	AVX382	AVX382

Hydronic kit integrated on chilled water utility side	Integrated hydronic kit, source side	1200	1400	1500	1600	1800	2000	2200	2450	2600
00	00	AVX389	AVX389	AVX389	AVX389	AVX389	AVX393	AVX390	AVX390	AVX390
00	IA, IB, IC, ID, IE, IF, IG, UA, UB, UC, UD, UE, UF, UG	AVX381	AVX381	AVX383	AVX383	AVX383	AVX384	AVX384	AVX386	AVX386
PA, PB, PC, PD, PE, PF, PG	00	AVX381	AVX381	AVX383	AVX383	AVX383	AVX384	AVX384	AVX386	AVX386
00	JA, JB, JC, JD, JE, JF, JG, VA, VB, VC, VD, VE, VF, VG	AVX381	AVX381	AVX382	AVX383	AVX383	AVX384	AVX384	AVX385	AVX385
DA, DB, DC, DD, DE, DF, DG	00	AVX381	AVX381	AVX382	AVX383	AVX383	AVX384	AVX384	AVX385	AVX385
PA, PB, PC, PD, PE, PF, PG	IA, IB, IC, ID, IE, IF, IG, UA, UB, UC, UD, UE, UF, UG	AVX381	AVX381	AVX382	AVX383	AVX383	AVX384	AVX384	AVX385	AVX385
DA, DB, DC, DD, DE, DF, DG	IA, IB, IC, ID, IE, IF, IG, UA, UB, UC, UD, UE, UF, UG	AVX381	AVX382	AVX382	AVX383	AVX383	AVX384	AVX385	AVX385	AVX385
PA, PB, PC, PD, PE, PF, PG	JA, JB, JC, JD, JE, JF, JG, VA, VB, VC, VD, VE, VF, VG	AVX381	AVX382	AVX382	AVX383	AVX383	AVX384	AVX385	AVX385	AVX385

Hydronic kit integrated on chilled water utility side	Integrated hydronic kit, source side	1200	1400	1500	1600	1800	2000	2200	2450	2600
DA, DB, DC, DD, DE, DF, DG	JA, JB, JC, JD, JE, JF, JG, VA, VB, VC, VD, VE, VF, VG	AVX382	AVX382	AVX382	AVX392	AVX392	AVX385	AVX385	AVX385	AVX387

Device for peak current reduction

0500	0550	0600	0650	0700	0750	0800	0900	1000
DRENGW0500	DRENGW0550	DRENGW0600	DRENGW0650	DRENGW0700	DRENGW0750	DRENGW0800	DRENGW0900	DRENGW1000

A grey background indicates the accessory must be assembled in the factory

1200	1400	1500	1600	1800	2000	2200	2450	2600
DRENGW1200	DRENGW1400	DRENGW1500	DRENGW1600	DRENGW1800	DRENGW2000	DRENGW2200	DRENGW2450	DRENGW2600

A grey background indicates the accessory must be assembled in the factory

water filter kit

Model	0500	0550	0600	0650	0700	0750	0800	0900	1000	1200	1400	1500	1600	1800	2000	2200	2450	2600
KITFILTRO_2"1/2	•	•	•	•	•	•												

Model	0500	0550	0600	0650	0700	0750	0800	0900	1000	1200	1400	1500	1600	1800	2000	2200	2450	2600
KITFILTRO_4"							•	•	•	•	•	•	•	•	•	•	•	•

CONFIGURATOR

Configuration options

Field	Description
1,2,3	**NGW**
4,5,6,7	**Size** 0500, 0550, 0600, 0650, 0700, 0750, 0800, 0900, 1000, 1200, 1400, 1500, 1600, 1800, 2000, 2200, 2450, 2600
8	**Operating field**
X	Electronic thermostatic expansion valve (1)
Z	Low temperature electronic thermostatic valve (2)
9	**Model**
°	Heat pump reversible on the water side
10	**Evaporator**
E	Evaporating unit
°	Standard
11	**Heat recovery**
D	With desuperheater
°	Without heat recovery
12	**Power supply**
°	400V ~ 3 50Hz with magnet circuit breakers
13,14	**Hydronic kit integrated on chilled water utility side**
00	Without hydronic kit
	Pump n° 1 pump + stand-by pump
DA	Pump A + stand-by pump (3)
DB	Pump B + stand-by pump (3)
DC	Pump C + stand-by pump (3)
DD	Pump D + stand-by pump (4)
DE	Pump E + stand-by pump (4)
DF	Pump F + stand-by pump (4)
DG	Pump G + stand-by pump (4)
	Kit with n° 1 pump
PA	Pump A (3)
PB	Pump B (3)
PC	Pump C (3)
PD	Pump D (4)
PE	Pump E (4)
PF	Pump F (4)
PG	Pump G (4)
15,16	**Integrated hydronic kit, source side**
00	Without hydronic kit
	Kit with n° 1 inverter pump to fixed speed
IA	Pump A equipped with inverter device to work at fixed speed (3)
IB	Pump B equipped with inverter device to work at fixed speed (3)
IC	Pump C equipped with inverter device to work at fixed speedr (3)
ID	Pump D equipped with inverter device to work at fixed speed (4)
IE	Pump E equipped with inverter device to work at fixed speed (4)
IF	Pump F equipped with inverter device to work at fixed speed (4)
IG	Pump G equipped with inverter device to work at fixed speed (4)
	Kit with n° 1 inverter pump + stand-by pump to fixed speed
JA	Pump A+stand-by pump, both equipped with inverter to work at fixed speed (3)

Field	Description
JB	Pump B+stand-by pump, both equipped with inverter to work at fixed speed (3)
JC	Pump C+stand-by pump, both equipped with inverter to work at fixed speed (3)
JD	Pump D+stand-by pump, both equipped with inverter to work at fixed speed (4)
JE	Pump E+stand-by pump, both equipped with inverter to work at fixed speed (4)
JF	Pump F+stand-by pump, both equipped with inverter to work at fixed speed (4)
JG	Pump G+stand-by pump, both equipped with inverter to work at fixed speed (4)
	Kit with n° 1 pump
UA	Pump A (3)
UB	Pump B (3)
UC	Pump C (3)
UD	Pump D (4)
UE	Pump E (4)
UF	Pump F (4)
UG	Pump G (4)
	Pump n° 1 pump + stand-by pump
VA	Pump A + stand-by pump (3)
VB	Pump B + stand-by pump (3)
VC	Pump C + stand-by pump (3)
VD	Pump D + stand-by pump (4)
VE	Pump E + stand-by pump (4)
VF	Pump F + stand-by pump (4)
VG	Pump G + stand-by pump (4)

(1) Water produced from -2 °C ÷ 20 °C
(2) Water produced from -10 °C ÷ 10 °C
(3) Only for 0500 - 0750 sizes
(4) Only for 0800 - 2600 sizes

PERFORMANCE SPECIFICATIONS

Size		0500	0550	0600	0650	0700	0750	0800	0900	1000	1200	1400	1500	1600	1800	2000	2200	2450	2600
Cooling performance 12 °C / 7 °C (1)																			
Cooling capacity	kW	116,3	126,3	142,0	157,8	174,4	208,3	242,3	272,8	310,2	333,6	385,4	430,0	488,0	532,0	614,8	703,9	747,1	790,2
Input power	kW	23,1	25,8	28,6	32,0	35,4	41,8	48,3	55,2	61,1	68,2	78,4	89,9	99,2	110,8	128,0	144,9	156,9	169,0
Cooling total input current	A	46,00	50,00	56,00	63,00	69,00	82,00	92,00	102,00	112,00	122,00	139,00	158,00	174,00	193,00	223,00	252,00	271,00	290,00
EER	W/W	5,02	4,91	4,97	4,93	4,93	4,98	5,02	4,94	5,08	4,89	4,92	4,78	4,92	4,80	4,80	4,86	4,76	4,67
Water flow rate source side	l/h	23.858	26.011	29.172	32.446	35.868	42.774	49.770	56.140	63.592	68.752	79.371	88.890	100.428	109.848	126.942	145.015	154.345	163.659
Pressure drop source side	kPa	26	30	33	33	35	35	23	27	23	28	30	38	36	42	45	49	56	63
Water flow rate system side	l/h	20.000	21.737	24.440	27.149	30.009	35.846	41.678	46.918	53.358	57.360	66.276	73.940	83.902	91.467	105.717	121.028	128.461	135.873
Pressure drop system side	kPa	18	21	23	23	25	25	15	19	16	20	21	27	25	30	32	35	39	43
Heating performance 40 °C / 45 °C (2)																			
Heating capacity	kW	131,3	144,6	160,4	178,4	197,7	236,2	275,0	308,6	348,8	377,8	437,4	490,5	553,8	606,7	700,9	800,5	852,7	904,6
Input power	kW	29,5	33,4	36,2	40,5	44,9	53,0	61,0	68,9	76,7	85,8	99,0	113,7	125,5	140,1	161,4	182,2	197,5	212,2
Heating total input current	A	58,00	64,30	70,50	79,10	86,90	103,10	115,70	126,60	140,00	152,50	174,30	198,20	218,40	241,70	278,40	313,40	337,00	359,30
COP	W/W	4,46	4,33	4,43	4,41	4,40	4,45	4,50	4,48	4,55	4,40	4,42	4,31	4,41	4,33	4,34	4,39	4,32	4,26
Water flow rate system side	l/h	22.789	25.088	27.829	30.948	34.307	40.989	47.727	53.585	60.562	65.594	75.963	85.177	96.178	105.356	121.721	139.011	148.077	157.091
Pressure drop system side	kPa	24	28	30	30	32	32	21	24	21	26	28	35	33	39	42	45	51	58
Water flow rate source side	l/h	29.818	32.608	36.390	40.424	44.800	53.701	62.474	70.101	79.473	85.435	99.053	110.507	125.500	136.976	158.407	181.617	192.771	204.032
Pressure drop source side	kPa	41	48	51	52	55	57	33	42	37	44	48	59	56	68	71	78	87	98

(1) Date 14511:2022; Water user side 12 °C / 7 °C; Water source side 30 °C / 35 °C
(2) Date 14511:2022; Water user side 40 °C / 45 °C; Water source side 10 °C / 7 °C

Size		0500	0550	0600	0650	0700	0750	0800	0900	1000	1200	1400	1500	1600	1800	2000	2200	2450	2600
Cooling performance 23 °C / 18 °C (1)																			
Cooling capacity	kW	155,6	169,4	191,0	210,7	232,3	278,0	322,8	361,1	412,9	443,9	509,8	568,7	643,1	698,2	811,4	930,5	987,7	1041,6
Input power	kW	22,7	25,4	28,1	31,6	35,0	41,5	48,1	55,6	61,1	68,4	79,3	91,3	99,7	112,5	130,7	147,9	160,5	174,1
Cooling total input current	A	43,80	47,70	53,30	60,40	66,10	79,00	89,80	100,60	110,00	119,80	137,40	156,20	170,60	190,50	221,10	249,00	267,80	287,90
EER	W/W	6,84	6,67	6,80	6,67	6,65	6,70	6,71	6,50	6,76	6,49	6,43	6,23	6,45	6,21	6,21	6,29	6,15	5,98
Water flow rate source side	l/h	30.519	33.303	37.454	41.415	45.674	54.597	63.539	71.328	81.200	87.673	100.782	112.773	127.020	138.440	160.845	184.030	195.751	207.033
Pressure drop source side	kPa	42	50	54	55	57	58	38	43	38	46	49	61	57	67	73	79	90	100
Water flow rate system side	l/h	26.886	29.269	32.995	36.395	40.121	47.999	55.727	62.335	71.269	76.615	87.987	98.161	111.008	120.506	140.042	160.603	170.467	179.765
Pressure drop system side	kPa	33	39	42	42	44	45	26	33	29	35	38	47	44	52	55	61	68	76
Heating performance 30 °C / 35 °C (2)																			
Heating capacity	kW	136,4	148,8	166,9	185,6	205,1	244,5	284,4	320,8	363,4	392,8	453,5	507,9	573,8	627,7	725,3	828,5	881,9	935,1
Input power	kW	23,6	26,3	29,2	32,7	36,2	42,7	48,8	56,0	61,8	69,2	79,7	91,8	101,1	113,3	131,1	148,7	161,5	174,4
Heating total input current	A	45,60	49,60	55,60	62,50	68,40	81,30	91,30	101,20	111,10	121,00	137,90	156,70	172,60	191,50	221,20	250,00	268,80	287,70
COP	W/W	5,78	5,66	5,72	5,68	5,67	5,72	5,82	5,73	5,88	5,68	5,69	5,54	5,68	5,54	5,53	5,57	5,46	5,36
Water flow rate source side	l/h	32.922	35.781	40.231	44.690	49.398	59.007	68.607	77.232	87.834	94.421	109.098	121.713	138.113	150.564	174.022	199.226	211.462	223.663
Pressure drop source side	kPa	49	58	62	64	67	68	40	51	45	54	58	72	68	82	85	94	105	117
Water flow rate system side	l/h	23.586	25.715	28.839	32.077	35.460	42.287	49.204	55.502	62.868	67.971	78.468	87.881	99.286	108.600	125.500	143.367	152.592	161.802
Pressure drop system side	kPa	25	30	32	33	34	35	23	26	23	28	30	37	35	41	44	48	54	61

(1) Date 14511:2022; Water user side 23 °C / 18 °C; Water source side 30 °C / 35 °C
(2) Date 14511:2022; Water user side 30 °C / 35 °C; Water source side 10 °C / 5 °C

ENERGY INDICES (REG. 2016/2281 EU)

Energy index

Size		0500	0550	0600	0650	0700	0750	0800	0900	1000	1200	1400	1500	1600	1800	2000	2200	2450	2600
SEER - 12/7 (EN14825: 2018)																			
SEER	W/W	7,45	7,37	7,46	7,57	7,62	7,15	7,68	7,47	7,83	7,76	7,90	7,73	7,98	7,71	7,93	7,93	7,80	7,63
Seasonal efficiency	%	295,10	291,80	295,40	299,90	301,90	282,90	304,20	295,70	310,20	307,30	313,00	306,30	316,30	305,40	314,00	314,10	309,10	302,10
Water Regulation (1)	type	VW/VO-FW																	
SEER - 23/18 (EN14825: 2018)																			
SEER	W/W	10,71	10,82	10,79	11,02	11,06	9,83	10,66	10,29	11,04	10,96	11,37	11,05	11,80	11,35	11,68	12,21	11,84	11,43
Seasonal efficiency	%	425,30	429,80	428,50	437,90	439,20	390,20	423,30	408,50	438,50	435,50	451,70	438,80	469,00	451,10	464,00	485,20	470,50	454,10
Water Regulation (1)	type	VW/VO-FW																	
SEPR - (EN 14825: 2018)																			
SEPR	W/W	7,71	7,60	7,81	7,80	7,54	7,38	7,76	7,52	7,93	7,66	7,89	7,41	7,84	7,50	7,86	7,74	7,62	7,42
Water Regulation (1)	type	VW/FO-FW																	
Performance in average ambient conditions (average) - 35 °C (2)																			
Pdesignh	kW	138,00	151,00	169,00	187,00	207,00	247,00	287,00	324,00	367,00	397,00	458,00	513,00	579,00	634,00	732,00	836,00	890,00	943,00
SCOP	W/W	6,71	6,61	6,51	6,62	6,84	6,60	7,03	6,85	7,06	6,86	6,96	6,71	6,83	6,67	6,63	7,01	6,79	6,73
ηsh	%	260,20	256,30	252,50	256,60	265,40	255,80	273,00	265,80	274,20	266,50	270,30	260,50	265,30	258,90	257,20	272,40	263,70	261,30
Water Regulation (1)	type	VW/VO-FW																	
Performance in average ambient conditions (average) - 55 °C (3)																			
Pdesignh	kW	128,00	141,00	156,00	174,00	192,00	229,00	267,00	300,00	340,00	369,00	425,00	478,00	539,00	591,00	684,00	777,00	829,00	880,00
SCOP	W/W	4,91	4,78	4,82	4,93	4,93	4,80	5,04	4,96	5,00	5,00	5,00	4,80	4,86	4,74	4,83	5,40	5,31	5,27
ηsh	%	188,00	183,30	184,90	189,30	189,00	184,10	193,70	190,20	191,80	186,00	189,30	184,10	186,20	181,50	185,20	207,90	204,20	202,60
Water Regulation (1)	type	VW/VO-FW																	

(1) VW/VO - variable water flow rate/variable outlet temperature; FW/VO - fixed water flow rate/variable outlet temperature; VW/FO - variable water flow rate/fixed outlet temperature; FW/FO - fixed water flow rate/fixed outlet temperature.
(2) Efficiencies for low temperature applications (35 °C)
(3) Efficiencies for average temperature applications (55 °C)

ELECTRIC DATA

Electric data

Size		0500	0550	0600	0650	0700	0750	0800	0900	1000	1200	1400	1500	1600	1800	2000	2200	2450	2600
Electric data																			
Maximum current (FLA)	A	80,0	85,0	95,0	105,0	115,0	135,0	155,0	170,0	190,0	205,0	235,0	265,0	295,0	325,0	375,0	425,0	455,0	485,0
Peak current (LRA)	A	245,0	207,0	215,0	270,0	280,0	300,0	368,0	383,0	403,0	418,0	544,0	574,0	604,0	634,0	684,0	734,0	764,0	794,0

GENERAL TECHNICAL DATA

Refrigerant circuit

General data

Size		0500	0550	0600	0650	0700	0750	0800	0900	1000	1200	1400	1500	1600	1800	2000	2200	2450	2600
Compressor																			
Type	type	Scroll																	
Compressor regulation	Type	On-Off																	
Number	no.	3	4	4	4	4	4	4	4	4	4	4	4	4	4	5	6	6	6
Circuits	no.	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Refrigerant	type	R32																	
Total refrigerant charge (1)	kg	12,00	12,00	14,00	16,00	18,00	22,00	22,00	22,00	28,00	28,00	30,00	30,00	38,00	38,00	46,00	56,00	56,00	56,00
Potential global heating (GWP)		675																	
Equivalent CO_2	tCO_2eq	8,10	8,10	9,45	10,80	12,15	14,85	14,85	14,85	18,90	18,90	20,25	20,25	25,65	25,65	31,05	37,80	37,80	37,80

(1) The load indicated in the table is an estimated and preliminary value. The final value of the refrigerant load is indicated on the unit's technical label. For further information contact the office.

System side heat exchanger

Size		0500	0550	0600	0650	0700	0750	0800	0900	1000	1200	1400	1500	1600	1800	2000	2200	2450	2600
System side heat exchanger																			
Type	type	Brazed plate																	
Number	no.	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Connections (in/out)	Type	Grooved joints																	
Size (in)	Ø	2" 1/2	2" 1/2	2" 1/2	2" 1/2	2" 1/2	2" 1/2	4"	4"	4"	4"	4"	4"	4"	4"	4"	4"	4"	4"
Size (out)	Ø	2" 1/2	2" 1/2	2" 1/2	2" 1/2	2" 1/2	2" 1/2	4"	4"	4"	4"	4"	4"	4"	4"	4"	4"	4"	4"

Source side heat exchanger

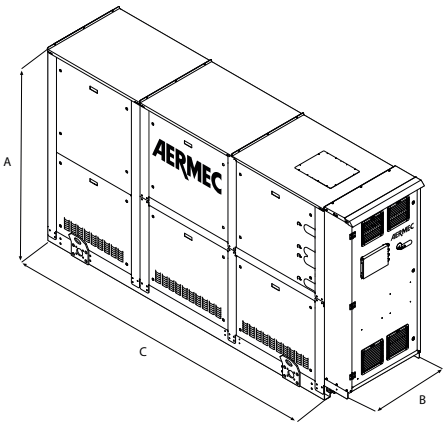
Size		0500	0550	0600	0650	0700	0750	0800	0900	1000	1200	1400	1500	1600	1800	2000	2200	2450	2600
Source side heat exchanger																			
Type	type	Brazed plate																	
Number	no.	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Connections (in/out)	Type	Grooved joints																	
Size (in)	Ø	2" 1/2	2" 1/2	2" 1/2	2" 1/2	2" 1/2	2" 1/2	4"	4"	4"	4"	4"	4"	4"	4"	4"	4"	4"	4"
Size (out)	Ø	2" 1/2	2" 1/2	2" 1/2	2" 1/2	2" 1/2	2" 1/2	4"	4"	4"	4"	4"	4"	4"	4"	4"	4"	4"	4"

Sound data

Size		0500	0550	0600	0650	0700	0750	0800	0900	1000	1200	1400	1500	1600	1800	2000	2200	2450	2600
Sound data calculated in cooling mode (1)																			
Sound power level	dB(A)	79,0	80,0	80,0	80,0	81,0	82,0	82,0	83,0	84,0	85,0	87,0	88,0	90,0	91,0	91,0	91,0	92,0	92,0

(1) Sound power calculated on the basis of measurements made in accordance with UNI EN ISO 9614-2, as required for Eurovent certification. Sound pressure (cold functioning) measured in free field, 10m away from the unit external surface (in compliance with UNI EN ISO 3744).

DIMENSIONS



Dimensions and weights

Size		0500	0550	0600	0650	0700	0750	0800	0900	1000	1200	1400	1500	1600	1800	2000	2200	2450	2600
Dimensions and weights																			
A	mm	2.000	2.000	2.000	2.000	2.000	2.000	2.000	2.000	2.000	2.000	2.000	2.000	2.000	2.000	2.000	2.000	2.000	2.000
B	mm	800	800	800	800	800	850	850	850	850	850	850	850	850	850	900	900	900	900
C	mm	2.090	2.090	2.090	2.090	2.090	2.500	2.500	2.500	2.500	2.500	2.500	2.500	2.500	2.500	3.600	3.600	3.600	3.600
Empty weight	kg	920	980	995	1.015	1.040	1.095	1.225	1.285	1.405	1.470	1.585	1.655	1.860	1.970	2.330	2.550	2.610	2.670
Dimensions and weights with pump/s																			
A	mm	2.000	2.000	2.000	2.000	2.000	2.000	2.000	2.000	2.000	2.000	2.000	2.000	2.000	2.000	2.000	2.000	2.000	2.000
B	mm	800	800	800	800	800	850	850	850	850	850	850	850	900	900	900	900	900	900
C	mm	2.950	2.950	2.950	2.950	2.950	3.600	3.600	3.600	3.600	3.600	3.600	3.600	3.600	3.600	4.700	4.700	4.700	4.700

The weight of the unit does not include the hydronic kit and accessories.

■ *For the version with hydronic kit please contact headquarters.*

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