

NGW 0500H-2600H

Reversible water-cooled heat pump, gas side

Cooling capacity 107 ÷ 746,4 kW
Heating capacity 126,3 ÷ 879,3 kW

- Production of hot water up to 60 °C
- Installation versatility also for geothermal applications.
- Options of 1 or 2 pumps on both source and user side.
- Reversible in heat pump on refrigerant circuit.



DESCRIPTION

Water-water offering chilled/hot water, designed to meet 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 CO₂ 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 tablet 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.

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	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
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, JG, 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

External air sensor

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

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 (3)
H	Water cooled heat pump, reversible refrigerant side
10	Evaporator
°	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 (4)
DB	Pump B + stand-by pump (4)
DC	Pump C + stand-by pump (4)
DD	Pump D + stand-by pump (5)
DE	Pump E + stand-by pump (5)
DF	Pump F + stand-by pump (5)
DG	Pump G + stand-by pump (5)
	Kit with n° 1 pump
PA	Pump A (4)
PB	Pump B (4)
PC	Pump C (4)
PD	Pump D (5)
PE	Pump E (5)
PF	Pump F (5)
PG	Pump G (5)
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 (4)
IB	Pump B equipped with inverter device to work at fixed speed (4)
IC	Pump C equipped with inverter device to work at fixed speed (4)
ID	Pump D equipped with inverter device to work at fixed speed (5)
IE	Pump E equipped with inverter device to work at fixed speed (5)
IF	Pump F equipped with inverter device to work at fixed speed (5)

Field	Description
IG	Pump G equipped with inverter device to work at fixed speed (5)
	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 (4)
JB	Pump B+stand-by pump, both equipped with inverter to work at fixed speed (4)
JC	Pump C+stand-by pump, both equipped with inverter to work at fixed speed (4)
JD	Pump D+stand-by pump, both equipped with inverter to work at fixed speed (5)
JE	Pump E+stand-by pump, both equipped with inverter to work at fixed speed (5)
JF	Pump F+stand-by pump, both equipped with inverter to work at fixed speed (5)
JG	Pump G+stand-by pump, both equipped with inverter to work at fixed speed (5)
	Kit with n° 1 pump
UA	Pump A (4)
UB	Pump B (4)
UC	Pump C (4)
UD	Pump D (5)
UE	Pump E (5)
UF	Pump F (5)
UG	Pump G (5)
	Pump n° 1 pump + stand-by pump
VA	Pump A + stand-by pump (4)
VB	Pump B + stand-by pump (4)
VC	Pump C + stand-by pump (4)
VD	Pump D + stand-by pump (5)
VE	Pump E + stand-by pump (5)
VF	Pump F + stand-by pump (5)
VG	Pump G + stand-by pump (5)

(1) Water produced from -2 °C ÷ 20 °C

(2) Water produced from -10 °C ÷ 10 °C

(3) Not available for the condenserless "E"

(4) Only for 0500 - 0750 sizes

(5) 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	107,0	116,5	131,0	145,6	161,0	192,0	224,1	252,8	285,3	312,6	361,4	405,2	458,1	501,6	578,8	661,4	703,9	746,4
Input power	kW	24,4	27,0	29,9	33,5	37,1	44,1	50,3	57,2	63,9	70,9	81,5	92,5	103,0	114,1	132,0	150,0	161,2	172,6
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	4,38	4,31	4,38	4,35	4,34	4,35	4,45	4,42	4,47	4,41	4,43	4,38	4,45	4,40	4,39	4,41	4,37	4,33
Water flow rate source side	l/h	22.477	24.529	27.493	30.595	33.839	40.348	46.960	53.028	59.761	65.602	75.759	85.059	95.925	105.189	121.421	138.586	147.677	156.768
Pressure drop source side	kPa	25	29	31	32	33	33	20	25	22	26	28	36	33	40	42	46	52	59
Water flow rate system side	l/h	18.406	20.041	22.537	25.048	27.701	33.030	38.529	43.476	49.070	53.766	62.145	69.667	78.757	86.242	99.517	113.722	121.034	128.345
Pressure drop system side	kPa	16	19	20	21	22	22	13	17	14	17	19	23	22	26	28	30	34	39
Heating performance 40 °C / 45 °C (2)																			
Heating capacity	kW	126,3	137,9	153,5	171,3	189,8	226,8	263,2	296,7	333,6	365,9	423,3	476,1	537,1	589,7	680,3	775,8	827,5	879,3
Input power	kW	30,7	34,0	37,6	42,0	46,5	55,3	62,6	70,9	78,9	87,4	100,4	114,0	126,9	140,5	162,7	185,1	199,0	213,0
Heating total input current	A	54,00	58,00	67,00	74,00	82,00	98,00	109,00	121,00	133,00	145,00	166,00	188,00	209,00	231,00	267,00	303,00	325,00	346,00
Water flow rate system side	l/h	21.919	23.928	26.641	29.720	32.926	39.358	45.687	51.511	57.935	63.543	73.504	82.679	93.270	102.408	118.150	134.728	143.707	152.693
Pressure drop system side	kPa	22	26	27	27	29	29	17	22	19	23	24	31	29	35	37	40	46	52
Water flow rate source side	l/h	28.011	30.483	34.010	37.920	42.038	50.310	58.607	66.067	74.467	81.529	94.494	106.176	120.167	131.791	151.939	173.447	184.814	196.191
Pressure drop source side	kPa	35	42	44	45	47	48	28	36	31	38	41	51	49	58	62	67	76	86

(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	145,0	158,3	178,8	197,7	218,0	258,8	302,0	340,2	385,4	420,4	485,6	543,0	614,1	666,4	772,1	888,6	947,3	994,2
Input power	kW	23,7	26,1	28,8	32,5	36,2	43,3	49,4	56,5	63,2	70,6	81,0	92,2	102,0	114,6	132,2	149,9	162,2	174,9
Cooling total input current	A	43,50	46,80	52,40	59,40	65,50	78,40	88,80	98,80	109,00	119,20	135,20	153,60	168,20	189,00	217,40	244,30	263,80	284,10
EER	W/W	6,11	6,07	6,20	6,09	6,03	5,98	6,11	6,02	6,09	5,95	6,00	5,89	6,02	5,81	5,84	5,93	5,84	5,68
Water flow rate source side	l/h	28.875	31.532	35.487	39.343	43.423	51.627	60.193	67.895	76.821	84.023	96.931	108.545	122.427	133.392	154.411	177.230	189.178	199.159
Pressure drop source side	kPa	41	48	51	52	54	55	32	41	36	43	46	58	54	65	69	75	86	95
Water flow rate system side	l/h	25.062	27.368	30.888	34.154	37.651	44.696	52.134	58.728	66.516	72.567	83.815	93.729	105.989	115.027	133.267	153.358	163.495	171.590
Pressure drop system side	kPa	30	36	38	38	40	40	24	30	26	31	34	42	40	47	50	55	63	69
Heating performance 30 °C / 35 °C (2)																			
Heating capacity	kW	131,2	143,0	158,4	177,5	195,9	233,6	272,6	307,6	347,6	380,6	439,2	498,3	562,6	616,0	711,0	812,0	854,6	909,8
Input power	kW	24,5	27,2	29,9	33,8	37,2	44,3	50,5	57,4	63,4	70,4	81,4	93,8	102,7	116,0	134,3	152,8	161,6	174,6
Heating total input current	A	42,50	45,60	52,40	58,50	64,40	77,20	86,90	96,70	105,60	115,30	132,60	152,10	166,20	187,30	216,30	245,10	258,30	277,20
COP	W/W	5,35	5,26	5,29	5,25	5,27	5,27	5,40	5,36	5,48	5,40	5,40	5,31	5,48	5,31	5,30	5,31	5,29	5,21
Water flow rate source side	l/h	31.144	33.848	37.526	41.985	46.399	55.353	64.674	72.973	82.783	90.469	104.390	118.238	134.321	146.287	168.824	193.071	203.193	215.939
Pressure drop source side	kPa	44	52	53	55	58	58	35	44	39	46	50	64	61	72	76	83	92	104
Water flow rate system side	l/h	22.688	24.723	27.374	30.674	33.864	40.406	47.151	53.220	60.143	65.854	75.991	86.211	97.354	106.585	123.034	140.510	147.868	157.434
Pressure drop system side	kPa	23	27	28	29	31	31	18	23	20	24	26	34	32	38	40	44	48	55

(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	6,48	6,44	6,55	6,59	6,61	6,36	6,68	6,56	6,73	6,60	6,76	6,75	6,86	6,74	6,78	6,83	6,89	6,84
Seasonal efficiency	%	256,10	254,70	259,10	260,60	261,30	251,50	264,10	259,30	266,30	261,00	267,50	267,00	271,30	266,40	268,20	270,00	272,40	270,50
Water Regulation (1)	type	VW/VO-FW																	
SEER - 23/18 (EN14825: 2018)																			
SEER	W/W	9,24	9,35	9,44	9,48	9,49	8,75	9,30	9,06	9,49	9,22	9,56	9,56	9,86	9,67	9,73	9,68	9,70	9,90
Seasonal efficiency	%	366,40	370,90	374,50	376,30	376,60	346,80	368,90	359,30	376,40	365,60	379,20	379,50	391,30	383,90	386,30	384,10	385,10	393,00
Water Regulation (1)	type	VW/FO-FW																	
SEPR - (EN 14825: 2018)																			
SEPR	W/W	6,83	6,75	6,84	6,93	6,79	6,70	6,89	6,80	6,95	6,67	6,93	6,95	7,15	6,92	6,95	7,04	7,14	6,94
Water Regulation (1)	type	VW/FW																	
Performance in average ambient conditions (average) - 35 °C (2)																			
Pdesignh	kW	131,00	143,00	158,00	178,00	196,00	233,00	273,00	307,00	347,00	380,00	439,00	497,00	562,00	615,00	710,00	810,00	853,00	908,00
SCOP	W/W	6,42	6,33	6,43	6,45	6,38	6,34	6,52	6,56	6,71	6,63	6,54	6,44	6,60	6,37	6,41	6,41	6,34	6,34
ηsh	%	248,90	245,00	249,10	249,90	247,00	245,50	252,90	254,30	260,20	257,30	253,70	249,40	256,00	246,70	248,50	248,40	245,60	245,40
Water Regulation (1)	type	VW/VO-FW																	
Sound power level	dB(A)	47,3	48,3	48,3	48,3	49,3	50,2	50,2	51,2	52,2	53,2	55,2	56,2	58,2	59,2	59,1	59,1	60,1	60,1
Performance in average ambient conditions (average) - 55 °C (3)																			
Pdesignh	kW	121,00	133,00	148,00	164,00	183,00	218,00	252,00	286,00	321,00	352,00	406,00	456,00	514,00	565,00	652,00	742,00	797,00	848,00
SCOP	W/W	4,73	4,74	4,77	4,90	4,85	4,74	4,87	4,83	4,88	4,84	4,87	4,85	4,88	4,80	4,86	5,00	4,95	4,94
ηsh	%	181,20	181,70	182,80	187,80	186,00	181,40	186,80	185,30	187,10	185,70	186,90	186,00	187,10	184,10	186,20	192,10	190,10	189,70
Water Regulation (1)	type	VW/VO-FW																	
Sound power level	dB(A)	47,3	48,3	48,3	48,3	49,3	50,2	50,2	51,2	52,2	53,2	55,2	56,2	58,2	59,2	59,1	59,1	60,1	60,1

(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

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 ₂ eq	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.

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	Braze 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"

System side heat exchanger

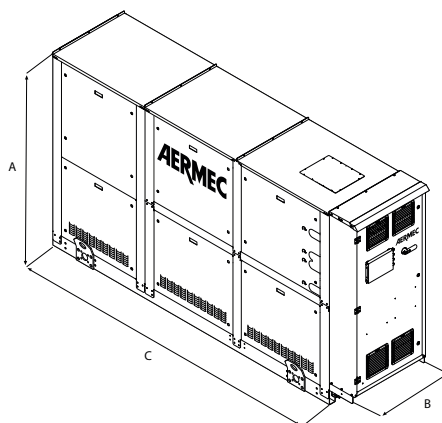
Size		0500	0550	0600	0650	0700	0750	0800	0900	1000	1200	1400	1500	1600	1800	2000	2200	2450	2600
System side heat exchanger																			
Type	type	Braze plate																	
Number	no.	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Connections (in/out)	Type	Grooved joints																	
Size (in)	Ø	2" 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
Sound pressure level (10 m)	dB(A)	47,3	48,3	48,3	48,3	49,3	50,2	50,2	51,2	52,2	53,2	55,2	56,2	58,2	59,2	59,1	59,1	60,1	60,1

(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.

Aermec reserves the right to make any modifications deemed necessary. All data is subject to change without notice. Aermec does not assume responsibility or liability for errors or omissions.

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