

NRG-0800-2400-B

Air-cooled chiller with free cooling (glycol-free)

Cooling capacity 224 ÷ 717 kW

- Microchannel coil
- Night mode
- High efficiency also at partial loads



DESCRIPTION

Air-cooled outdoor chiller designed to meet air conditioning needs in residential/commercial complexes or industrial applications.

These are outdoor units with streamlined scroll compressors used with R32 gas axial fan, microchannel batteries and plate exchangers.

The base, the structure and the panels are made of galvanized steel treated with polyester paint RAL 9003.

VERSIONS

- A High efficiency
- E Silenced high efficiency
- N Silenced very high efficiency
- U Very high efficiency

FEATURES

Operating field

Operation at full load up to 49 °C external air temperature. Unit can produce chilled water up to -10,0 °C.

For more information refer to the selection program and to the dedicated documentation.

Refrigerant HFC R32

Use refrigerant fluid R32, whose classification according to ISO 817 is A2L (non-toxic, odourless and slightly flammable refrigerant).

The environmental impact of the units is reduced considerably owing to the last generation R32 refrigerant.

Combining a reduced refrigerant load with a low global warming potential (GWP), these units boast low equivalent CO₂ values.

■ *The leak detector is supplied as per standard.*

Dual-circuit unit

Unit with 2 refrigerant circuits designed to provide maximum efficiency at full load, ensuring high efficiency at partial loads also and ensuring continuity in case one of the circuits stops.

Condensation control temperature

Fitted as standard with a device for electronic condensation control so that the unit can work even with low temperatures, adapting the air flow rate to the actual system request in order to reduce consumption.

Aluminium microchannel coils

The whole range uses microchannel condenser coils allowing reduction of refrigerant charge but keeping the same high efficiency.

Free-cooling water coils

These units also have a water coil dedicated to free-cooling mode. Free-cooling offers significant energy saving in applications that require cooling all year round.

As soon as the outside air temperature allows, a valve makes the water flow towards the free-cooling battery which is cooled directly by the air. The compressors are completely shut down, if possible, leading to considerable electrical savings.

Free cooling with glycol water

Intermediate plate heat exchanger that creates two circuits:

1. Glycol hydraulic circuit (glycol is added to protect the coil from freezing).
2. Primary hydraulic circuit for glycol-free systems.

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 efficiency of the unit.

Option integrated hydronic kit

To obtain a solution that allows you to save money and to facilitate installation. These units can be configured with an integrated hydronic system. The kit contains the main hydraulic components, and is available in various configurations with a single pump or a standby pump too, so the customer can choose the right useful head.

CONTROL PCO₅

Microprocessor adjustment, with 7", touch screen keyboard, which allows to navigate intuitively among the various screens, allowing to modify the operating parameters and graphically view the progress of some variables in real time and the ad adjustment includes complete management of the alarms and their log.

- Possibility to control two units in a Master-Slave configuration
- 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.

— **Night mode:** only in the **non-silenced** versions is it possible to set a silenced operating mode, which is useful for example at night for greater acoustic comfort but always guarantees performance even at peak load times.

CONFIGURATOR

Field	Description
1,2,3	NRG
4,5,6,7	Size 0800, 0900, 1000, 1100, 1200, 1400, 1600, 1800, 2000, 2200, 2400
8	Operating field
X	Electronic thermostatic expansion valve
Z	Low temperature electronic thermostatic valve
9	Model
B	Free-cooling glycol free
10	Heat recovery
°	Without heat recovery
D	With desuperheater (1)
11	Version
A	High efficiency
E	Silenced high efficiency
N	Silenced very high efficiency
U	Very high efficiency
12	Coils / free-cooling coils
°	Alluminium microchannel / Copper - aluminium
I	Copper-aluminium / Copper-aluminium
O	Painted alluminium microchannel / Copper painted aluminium
R	Copper-copper/Copper-copper
S	Copper-Tinned copper / Copper -Tinned copper
V	Copper-painted aluminium / Copper-painted aluminium
13	Fans
J	Inverter
M	Oversized with DCPX
14	Power supply
°	400V ~ 3 50Hz with magnet circuit breakers
15,16	Integrated hydronic kit
00	Without hydronic kit
Kit with n° 1 pump	
PA	Pump A
PB	Pump B
PC	Pump C
PD	Pump D
PE	Pump E

ACCESSORIES

AER485P1: RS-485 interface for supervising systems with MODBUS protocol. 1 accessory is provided for each unit control board.

AERBACP: Ethernet communication interface for Bacnet/IP, Modbus TCP/IP, SNMP protocols. 1 accessory is provided for each unit control board.

AERLINK: Wifi Gateway with an RS485 serial port that can be installed on all machines or on all controllers having an RS485 serial port themselves. The module is capable of simultaneously activating the AP WIFI (Access point) and WIFI Station functions, the latter making it possible to connect to the home or business LAN both with VMF-E5 and E6. To facilitate certain management and control operations of the unit, the AERAPP and AERPLANTS applications are available both for Android and iOS systems.

AERNET: The device allows the control, the management and the remote monitoring of a Chiller with a PC, smartphone or tablet using Cloud connection. AERNET works as Master while every unit connected is configured as Slave (max. 6 control boards). Also, with a simple click is possible to save

Field	Description
PF	Pump F
PG	Pump G
PH	Pump H
PI	Pump I
	Pump n° 1 pump + stand-by pump
DA	Pump A + stand-by pump
DB	Pump B + stand-by pump
DC	Pump C + stand-by pump
DD	Pump D + stand-by pump
DE	Pump E + stand-by pump
DF	Pump F + stand-by pump
DG	Pump G + stand-by pump
DH	Pump H + stand-by pump
DI	Pump I + stand-by pump
	Kit with n° 1 inverter pump to fixed speed
IA	Pump A equipped with inverter device to work at fixed speed
IB	Pump B equipped with inverter device to work at fixed speed
IC	Pump C equipped with inverter device to work at fixed speed
ID	Pump D equipped with inverter device to work at fixed speed
IE	Pump E equipped with inverter device to work at fixed speed
IF	Pump F equipped with inverter device to work at fixed speed
IG	Pump G equipped with inverter device to work at fixed speed
IH	Pump H equipped with inverter device to work at fixed speed
II	Pump I equipped with inverter device to work at fixed speed
	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
JB	Pump B+stand-by pump, both equipped with inverter to work at fixed speed
JC	Pump C+stand-by pump, both equipped with inverter to work at fixed speed
JD	Pump D+stand-by pump, both equipped with inverter to work at fixed speed
JE	Pump E+stand-by pump, both equipped with inverter to work at fixed speed
JF	Pump F+stand-by pump, both equipped with inverter to work at fixed speed
JG	Pump G+stand-by pump, both equipped with inverter to work at fixed speed
JH	Pump H+stand-by pump, both equipped with inverter to work at fixed speed
JI	Pump I+stand-by pump, both equipped with inverter to work at fixed speed

(1) Warning: on the recovery side, a minimum input temperature of 35°C must always be guaranteed on the heat exchanger. For more information about the unit operating range, refer to the Magellano selection program. For further information please contact the head office.

a log file with all the connected unit data in the personal terminal for post analysis.

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.

PGD1: Allows you to control the unit at a distance.

AVX: Spring anti-vibration supports.

FACTORY FITTED ACCESSORIES

DRE: Electronic device for peak current reduction.

RIF: Power factor correction. Connected in parallel to the motor allowing about 10% reduction of input current.

GP : Anti-intrusion grid kit

T6: Double safety valve with exchange cock, both on the high and low pressure branches.

ACCESSORIES COMPATIBILITY

Model	Ver	0800	0900	1000	1100	1200	1400	1600	1800	2000	2200	2400
AER485P1	A,E,N,U	*	*	*	*	*	*	*	*	*	*	*
AERBACP	A,E,N,U	*	*	*	*	*	*	*	*	*	*	*
AERLINK	A,E,N,U	*	*	*	*	*	*	*	*	*	*	*
AERNET	A,E,N,U	*	*	*	*	*	*	*	*	*	*	*
FL	A,E,N,U	*	*	*	*	*	*	*	*	*	*	*
MULTICHILLER-EVO	A,E,N,U	*	*	*	*	*	*	*	*	*	*	*
PGD1	A,E,N,U	*	*	*	*	*	*	*	*	*	*	*

Antivibration

Ver	0800	0900	1000	1100	1200	1400	1600	1800	2000	2200	2400
Integrated hydronic kit: 00, DA, DB, DC, DD, DE, DF, DG, DH, DI, IA, IB, IC, ID, IE, IF, IG, IH, II, JA, JB, JC, JD, JE, JF, JG, JH, JI, PA, PB, PC, PD, PE, PF, PG, PH, PI											
A, E, N, U	AVX. (1)										

(1) Contact us.

Device for peak current reduction

Ver	0800	0900	1000	1100	1200	1400
A, E, N, U	DRENRG0800	DRENRG0900	DRENRG1000	DRENRG1100	DRENRG1200	DRENRG1400

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

Ver	1600	1800	2000	2200	2400
A, E, N, U	DRENRG1600	DRENRG1800	DRENRG2000	DRENRG2200	DRENRG2400

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

Power factor correction

Ver	0800	0900	1000	1100	1200	1400
A, E, N, U	RIFNRG0800	RIFNRG0900	RIFNRG1000	RIFNRG1100	RIFNRG1200	RIFNRG1400

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

Double safety valves

Ver	0800	0900	1000	1100	1200	1400	1600	1800	2000	2200	2400
A, E, N, U	T6NRGLS1	T6NRGLS1	T6NRGLS1	T6NRGLS1	T6NRGLS1	T6NRGLS1	T6NRGLS2	T6NRGLS3	T6NRGLS3	T6NRGLS3	T6NRGLS3

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

Anti-intrusion grid

Ver	0800	0900	1000	1100	1200	1400	1600	1800	2000	2200	2400
Integrated hydronic kit: 00											
A	GP2VN	GP2VN	GP3G	GP3G	GP3G	GP4GM	GP4GM	GP5G	GP5G	GP6G	GP6G
E, U	GP3G	GP3G	GP4GM	GP4GM	GP4GM	GP5GM	GP5GM	GP6G	GP7G	GP7G	GP8G
N	GP4GM	GP4GM	GP4GM	GP5GM	GP5GM	GP5GM	GP6G	GP7G	GP8G	GP8G	GP9G
Integrated hydronic kit: DA, DB, DC, DD, DE, DF, DG, DH, DI, IA, IB, IC, ID, IE, IF, IG, IH, II, JA, JB, JC, JD, JE, JF, JG, JH, JI, PA, PB, PC, PD, PE, PF, PG, PH, PI											
A	GP2VNA	GP2VNA	GP3G	GP3G	GP3G	GP4GM	GP4GM	GP5G	GP5G	GP6G	GP6G
E, U	GP3G	GP3G	GP4GM	GP4GM	GP4GM	GP5GM	GP5GM	GP6G	GP7G	GP7G	GP8G
N	GP4GM	GP4GM	GP4GM	GP5GM	GP5GM	GP5GM	GP6G	GP7G	GP8G	GP8G	GP9G

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

PERFORMANCE SPECIFICATIONS

NRG - A

Size	0800	0900	1000	1100	1200	1400	1600	1800	2000	2200	2400
Cooling performance chiller operation (1)											
Cooling capacity	kW	223,9	245,3	284,1	324,7	368,2	419,0	462,1	535,9	599,5	654,7
Input power	kW	73,0	82,9	91,3	106,0	122,2	134,8	152,7	172,3	197,6	212,9
Cooling total input current	A	129,0	146,0	160,0	184,0	209,0	229,0	254,0	293,0	337,0	356,0
EER	W/W	3,07	2,96	3,11	3,06	3,01	3,11	3,03	3,11	3,03	3,01
Water flow rate system side	l/h	38467	42143	48813	55779	63264	71985	79391	92073	103007	112479
Pressure drop system side	kPa	70	85	99	111	116	92	88	107	125	115
Cooling performances with free-cooling glycol-free (2)											
Cooling capacity	kW	122,1	122,1	178,1	179,1	179,8	241,5	241,5	302,6	302,5	368,7
Input power	kW	9,9	9,9	14,4	14,4	14,5	19,3	19,3	24,5	24,4	32,3
Free cooling total input current	A	18,0	17,0	25,0	25,0	33,0	32,0	42,0	42,0	54,0	54,0
EER	W/W	12,32	12,32	12,36	12,41	12,44	12,54	12,54	12,37	12,37	11,40
Water flow rate system side	l/h	38467	42143	48813	55779	63264	71985	79391	92073	103007	112479
Pressure drop system side	kPa	70	85	99	111	116	92	88	107	125	105

(1) System side water heat exchanger 12 °C/7 °C; External air 35 °C; Chiller operation 100%; Free-cooling 0%

(2) Acqua scambiatore lato utenza 12 °C / 8,7 °C ; Aria esterna 2 °C; circuito idraulico glicolato al 30%; circuito idraulico primario glicole 0%.

NRG - E

Size	0800	0900	1000	1100	1200	1400	1600	1800	2000	2200	2400
Cooling performance chiller operation (1)											
Cooling capacity	kW	226,2	251,9	274,9	324,9	370,2	416,7	456,6	531,6	606,0	638,0
Input power	kW	72,4	82,1	92,0	106,0	123,9	136,5	153,7	175,2	197,7	215,9
Cooling total input current	A	122,0	139,0	156,0	176,0	201,0	220,0	245,0	284,0	319,0	346,0
EER	W/W	3,12	3,07	2,99	3,06	2,99	3,05	2,97	3,03	3,07	2,95
Water flow rate system side	l/h	38872	43273	47230	55828	63599	71601	78444	91335	104110	109612
Pressure drop system side	kPa	73	78	90	98	88	73	87	100	127	90
Cooling performances with free-cooling glycol-free (2)											
Cooling capacity	kW	146,6	146,6	146,6	194,7	194,8	246,0	246,0	301,6	343,8	345,9
Input power	kW	11,1	11,1	11,1	14,8	14,8	18,9	18,9	25,6	29,3	29,7
Free cooling total input current	A	19,0	19,0	19,0	25,0	24,0	31,0	30,0	41,0	47,0	48,0
EER	W/W	13,20	13,20	13,20	13,18	13,18	13,00	13,00	11,79	11,73	11,64
Water flow rate system side	l/h	38872	43273	47230	55828	63599	71601	78444	91335	104110	109612
Pressure drop system side	kPa	73	78	90	98	88	73	87	100	127	90

(1) System side water heat exchanger 12 °C/7 °C; External air 35 °C; Chiller operation 100%; Free-cooling 0%

(2) Acqua scambiatore lato utenza 12 °C / 8,7 °C ; Aria esterna 2 °C; circuito idraulico glicolato al 30%; circuito idraulico primario glicole 0%.

NRG - U

Size	0800	0900	1000	1100	1200	1400	1600	1800	2000	2200	2400
Cooling performance chiller operation (1)											
Cooling capacity	kW	233,1	260,7	285,8	336,2	385,1	431,6	474,7	552,3	627,9	664,0
Input power	kW	72,7	81,3	90,2	105,2	121,2	135,0	151,0	173,5	195,9	212,0
Cooling total input current	A	129,0	145,0	160,0	183,0	206,0	228,0	250,0	291,0	330,0	353,0
EER	W/W	3,21	3,20	3,17	3,19	3,18	3,20	3,14	3,18	3,21	3,18
Water flow rate system side	l/h	40049	44784	49102	57760	66170	74152	81560	94895	107889	114087
Pressure drop system side	kPa	77	84	97	105	96	78	94	107	136	98
Cooling performances with free-cooling glycol-free (2)											
Cooling capacity	kW	178,1	178,1	178,1	235,6	235,8	301,9	301,8	364,5	420,7	427,1
Input power	kW	14,4	14,4	14,4	19,2	19,2	24,4	24,4	32,2	37,0	37,4
Free cooling total input current	A	26,0	26,0	26,0	33,0	33,0	41,0	40,0	54,0	62,0	68,0
EER	W/W	12,36	12,36	12,36	12,28	12,29	12,36	12,36	11,33	11,37	11,41
Water flow rate system side	l/h	40049	44784	49102	57760	66170	74152	81560	94895	107889	114087
Pressure drop system side	kPa	77	84	97	105	96	78	94	107	136	98

(1) System side water heat exchanger 12 °C/7 °C; External air 35 °C; Chiller operation 100%; Free-cooling 0%

(2) Acqua scambiatore lato utenza 12 °C / 8,7 °C ; Aria esterna 2 °C; circuito idraulico glicolato al 30%; circuito idraulico primario glicole 0%.

NRG - N

Size	0800	0900	1000	1100	1200	1400	1600	1800	2000	2200	2400
Cooling performance chiller operation (1)											
Cooling capacity	kW	232,6	258,9	286,6	334,6	383,1	422,5	473,7	546,9	617,8	658,1
Input power	kW	71,7	81,1	90,4	104,8	120,5	134,5	150,6	174,0	195,5	210,5
Cooling total input current	A	121,0	136,0	152,0	173,0	195,0	221,0	238,0	277,0	314,0	338,0
EER	W/W	3,24	3,19	3,17	3,19	3,18	3,14	3,14	3,14	3,16	3,14
Water flow rate system side	l/h	39959	44482	49239	57495	65813	72590	81381	93965	106146	113074
Pressure drop system side	kPa	77	84	97	104	95	82	88	105	132	95
Cooling performances with free-cooling glycol-free (2)											
Cooling capacity	kW	193,3	193,3	193,3	241,1	241,3	245,3	301,4	343,8	390,1	393,2
Input power	kW	14,7	14,7	14,7	18,5	18,5	18,8	25,6	29,3	32,0	32,5
Free cooling total input current	A	25,0	25,0	25,0	30,0	30,0	31,0	40,0	47,0	51,0	52,0
EER	W/W	13,14	13,14	13,14	13,03	13,03	13,03	11,80	11,73	12,18	12,12
Water flow rate system side	l/h	39959	44482	49239	57495	65813	72590	81381	93965	106146	113074
Pressure drop system side	kPa	77	84	97	104	95	82	88	105	132	95

(1) System side water heat exchanger 12 °C/7 °C; External air 35 °C; Chiller operation 100%; Free-cooling 0%

(2) Acqua scambiatore lato utenza 12 °C / 8,7 °C ; Aria esterna 2 °C; circuito idraulico glicolato al 30%; circuito idraulico primario glicole 0%.

ENERGY INDICES (REG. 2016/2281 EU)

Size	0800	0900	1000	1100	1200	1400	1600	1800	2000	2200	2400
Fans: J											
SEPR - (EN 14825: 2018) (1)	A	W/W	6,11	5,92	6,30	6,21	6,11	6,51	6,56	6,49	6,43
SEPR	E	W/W	6,39	6,28	6,20	6,22	6,10	6,56	6,54	6,35	6,30
	N	W/W	6,64	6,46	6,47	6,44	6,34	6,77	6,72	6,56	6,44
	U	W/W	6,55	6,45	6,41	6,44	6,33	6,75	6,70	6,61	6,51

(1) Calculation performed with FIXED water flow rate.

Size		0800	0900	1000	1100	1200	1400	1600	1800	2000	2200	2400	
Fans: M													
SEPR - (EN 14825: 2018) (1)													
	A	W/W	5,90	5,74	6,12	6,07	5,96	6,48	6,48	6,41	6,34	6,27	6,18
SEPR	E	W/W	6,17	6,09	6,04	6,09	5,95	6,37	6,38	6,17	6,10	6,13	6,28
	N	W/W	6,42	6,27	6,31	6,30	6,19	6,58	6,55	6,38	6,24	6,36	6,45
	U	W/W	6,34	6,27	6,22	6,30	6,19	6,72	6,63	6,53	6,43	6,39	6,40

(1) Calculation performed with FIXED water flow rate.

ELECTRIC DATA

Size		0800	0900	1000	1100	1200	1400	1600	1800	2000	2200	2400	
Electric data													
Maximum current (FLA)	A	A	158,2	176,5	200,6	228,5	256,4	290,1	317,9	369,5	415,3	449,0	476,9
	E,U	A	164,0	182,3	200,6	234,3	262,2	295,9	323,7	375,3	426,9	454,8	488,5
	N	A	169,8	188,1	206,4	240,1	268,0	295,9	329,5	381,1	432,7	460,6	494,3
Peak current (LRA)	A	A	361,6	417,7	436,0	685,0	718,7	746,6	774,4	826,1	871,9	899,7	933,4
	E	A	361,6	417,7	441,8	690,8	718,7	752,4	780,2	831,9	877,7	911,3	939,2
	N	A	350,0	406,1	424,4	673,4	701,3	729,2	757,0	802,9	848,7	876,5	904,4
	U	A	367,4	423,5	441,8	696,6	724,5	758,2	786,0	837,7	889,3	917,1	950,8

GENERAL TECHNICAL DATA

Size		0800	0900	1000	1100	1200	1400	1600	1800	2000	2200	2400	
Compressor													
Type	A,E,N,U	type					Scroll						
Compressor regulation	A,E,N,U	Type					Asynchronous						
Number	A,E,N,U	no.	4	4	4	4	4	4	5	6	6	6	
Circuits	A,E,N,U	no.	2	2	2	2	2	2	2	2	2	2	
Refrigerant	A,E,N,U	type					R32						
	A	kg	11,3	10,9	11,0	15,0	15,8	18,0	21,0	20,6	24,0	24,4	26,3
Refrigerant load circuit 1 (1)	E,U	kg	15,4	15,0	16,1	19,5	19,9	24,0	23,3	25,9	28,1	33,8	30,8
	N	kg	16,0	16,0	17,3	24,2	26,3	26,3	30,8	30,0	37,5	34,1	34,1
Refrigerant load circuit 2 (1)	A	kg	11,3	10,9	11,0	15,0	15,8	20,5	22,5	20,6	24,0	24,4	26,3
	E,U	kg	15,4	15,0	16,1	20,5	19,9	25,5	23,3	25,9	28,1	33,8	30,8
	N	kg	16,0	16,0	18,8	25,4	26,3	26,3	30,8	30,0	37,5	34,1	34,1
Potential global heating	A,E,N,U	GWP					675kgCO ₂ eq						
System side heat exchanger													
Type	A,E,N,U	type					Brazed plate						
Number	A,E,N,U	no.	1	1	1	1	1	1	1	1	1	1	
Hydraulic connections without hydronic kit													
Connections (in/out)	A,E,N,U	Type					Grooved joints						
	A	Ø	3"	3"	3"	3"	4"	4"	4"	4"	5"	5"	
Sizes (in/out)	E,N,U	Ø	3"	3"	3"	3"	4"	4"	4"	4"	5"	5"	
Hydraulic connections with hydronic kit													
Connections (in/out)	A,E,N,U	Type					Grooved joints						
	A	Ø	3"	3"	3"	3"	3"	4"	4"	4"	5"	5"	
Sizes (in/out)	E,N,U	Ø	3"	3"	3"	3"	4"	4"	4"	4"	5"	5"	

(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.

In the versions without a hydronic kit, the water filter is supplied with a connection point for making the connection. In the versions with a hydronic kit, it is supplied ready-mounted.

SOUND DATA

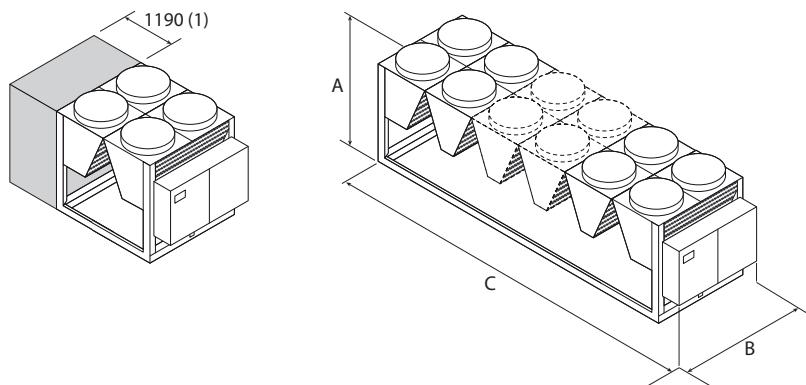
Size		0800	0900	1000	1100	1200	1400	1600	1800	2000	2200	2400	
Fans: J, M													
Sound data calculated in cooling mode (1)													
	A	dB(A)	90,5	90,5	90,5	90,8	91,1	92,1	92,3	93,1	93,4	94,2	94,3
Sound power level	E	dB(A)	84,4	84,5	84,5	85,8	86,5	87,6	88,1	88,6	89,0	89,7	90,2
	N	dB(A)	85,3	85,4	85,4	86,9	87,6	88,1	89,0	89,4	89,8	90,5	91,0
	U	dB(A)	90,8	90,8	90,8	92,2	92,5	93,5	93,6	94,3	94,9	95,0	95,6
Sound pressure level (10 m)	A	dB(A)	58,4	58,4	58,2	58,6	58,9	59,7	59,9	60,5	60,9	61,5	61,7
	E	dB(A)	52,2	52,2	52,3	53,4	54,1	55,1	55,6	55,9	56,2	56,9	57,3
	N	dB(A)	52,9	53,0	53,0	54,4	55,0	55,6	56,3	56,6	56,9	57,6	58,0
	U	dB(A)	58,5	58,5	58,5	59,8	60,1	60,9	61,1	61,7	62,1	62,2	62,7

(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).

FANS DATA

Size	0800	0900	1000	1100	1200	1400	1600	1800	2000	2200	2400
Fans: J, M											
Fan											
Type A,E,N,U type Axial											
Number A no. 4 4 6 6 6 8 8 10 10 12 12 12											
Number E,U no. 6 6 6 8 8 10 10 12 12 14 14 16											
Number N no. 8 8 8 10 10 10 12 12 14 16 16 18											
Air flow rate A m³/h 57976 57976 86965 86965 86965 115954 115953 144941 144941 173929 173929											
Air flow rate E m³/h 63933 63933 63933 85244 85244 106555 106555 106555 127866 149177 149177 170487											
Air flow rate N m³/h 85244 85244 85244 106555 106555 106555 127866 149177 170488 170488 191798											
Air flow rate U m³/h 86963 86963 86963 115959 115959 144934 144934 173932 202921 202921 231902											

DIMENSIONS



Key:

1 Additional module needed to contain the hydronic kit with "pumps" option in sizes: 0800 A- 0900 A

Size	0800	0900	1000	1100	1200	1400	1600	1800	2000	2200	2400
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Integrated hydronic kit: 00

Dimensions and weights											
A	A,E,N,U	mm	2450	2450	2450	2450	2450	2450	2450	2450	2450
B	A,E,N,U	mm	2200	2200	2200	2200	2200	2200	2200	2200	2200
C	A	mm	2780	2780	3970	3970	3970	5160	5160	6350	6350
	E,U	mm	3970	3970	3970	5160	5160	6350	6350	7540	7540
	N	mm	5160	5160	5160	6350	6350	7540	8730	8730	9650

Size	0800	0900	1000	1100	1200	1400	1600	1800	2000	2200	2400
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Integrated hydronic kit: DA, DB, DC, DD, DE, DF, DG, DH, DI, IA, IB, IC, ID, IE, IF, IG, IH, II, JA, JB, JC, JD, JE, JF, JG, JH, JI, PA, PB, PC, PD, PE, PF, PG, PH, PI

Dimensions and weights											
A	A,E,N,U	mm	2450	2450	2450	2450	2450	2450	2450	2450	2450
B	A,E,N,U	mm	2200	2200	2200	2200	2200	2200	2200	2200	2200
C	A	mm	3970	3970	3970	3970	3970	5160	5160	6350	6350
	E,U	mm	3970	3970	3970	5160	5160	6350	6350	7540	7540
	N	mm	5160	5160	5160	6350	6350	7540	8730	8730	9650

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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