NRG 0800-3600

Air-water chiller

Cooling capacity 225,7 ÷ 1034,5 kW

- **High efficiency also at partial loads**
- **Low refrigerant charge**
- **Night mode**

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

° Standard
A High efficiency
E Silenced high efficiency
L Standard silenced
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 °C in some versions.
For more information refer to the selection program and to to the dedicated documentation.

Unit with 2/3 cooling circuits

Unit with 2/3 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.

Refrigerant HFC R32

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 CO_2 values.

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

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

Aluminium microchannel coils

The microchannel condensing aluminum coils ensure high levels of efficiency, reduced quantities of refrigerant and lower unit weight. The treatment "O" available as configurator it ensures high resistance to corrosion even in the most aggressive environments.

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.

Option integrated hydronic kit

An optional, integrated hydronic kit containing the main hydraulic components, to obtain a solution that allows you to save money and to facilitate installation.
It's available in various configurations, with storage tank or pumps.

CONTROL PCO_5

The units from size 0800 to 2400 have 1 control card, while the units from size 2600 to 3600 have 2 control cards.
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.

- 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.
- **Floating HP control:** the function can be activated with inverter fans or with DCPX which allows unit operation to be optimised at any operating point through continuous modulation of the fan speed. In addition, the use of inverter fans ensures an increase in energy efficiency at partial loads.
- **Night mode:** only in the **non-silenced versions with the fan to be, inverter or phase-cut or with the DCPX accessory**, a silenced operation profile can be set, which is useful, for example, at night for greater acoustic comfort, but always ensures performance even at peak load hours.

— Possibility to control two units in a Master-Slave configuration (from size 0800 to 2400)

INTEGRATED SOLUTION (2600 ÷ 3600)

The **"integrated solution" concept has been implemented in the system architecture**, consisting in an integrated and streamlined control of compressors and electronic valve.

This solution allowed a variety of new features to be introduced, such as:

— **Low Superheat Control**: Progressive superheating reduction in conditions of stability. This allows to increase energy performance: both in modulation and in full load conditions;

— **DLT control**: Control of electronic valve at discharge temperature in certain operating conditions. This is demonstrated in an enhanced reliability of the control and a considerable expansion of the machine's operating range.

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: Aerlink is a WiFi gateway with an RS485 serial port that allows a wide range of Aermec products (heat pumps/chillers/system controllers) equipped with this interface to connect easily and securely to a Wi-Fi network. It works both as an access point (AP access point) and as a client (WiFi Station), it can be connected to a single generator or system centraliser, allowing anyone to easily integrate them into any network. Thanks to the AerApp and AerPlants apps, which can be used on Android and iOS platforms, the remote management of the air conditioning systems developed by Aermec becomes intuitive and simple.

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 a log file with all the connected unit datas 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.

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 the RS485 communication interface when the serial port is occupied by another device.

AVX: Spring anti-vibration supports.

DCPX: Device for condensation temperature control, with continuous speed modulation of fans by using a pressure transducer.

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	2600	2800	3000	3200	3400	3600
AER485P1	°,A,E,L,N,U	•	•	•	•	•	•	•	•	•	•	•						
AER485P1 x no. 2	°,A,E,L,N,U												•	•	•	•	•	•
AERBACP	°,A,E,L,N,U	•	•	•	•	•	•	•	•	•	•	•						
AERBACP x no. 2	°,A,E,L,N,U												•	•	•	•	•	•
AERLINK	°,A,E,L,N,U	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
AERNET	°,A,E,L,N,U	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
FL	°,A,E,L,N,U	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
MULTICHILLER-EVO	°,A,E,L,N,U	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
PGD1	°,A,E,L,N,U	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•

Remote panel

Model	Ver	0800	0900	1000	1100	1200	1400	1600	1800	2000	2200	2400	2600	2800	3000	3200	3400	3600
PR4	°,A,E,L,N,U	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•

The accessory PR4 should only be combined with the RS485 communication interface when the serial port is occupied by another device.

Antivibration

Ver	0800	0900	1000	1100	1200	1400	1600	1800	2000
Integrated hydronic kit: 00									
°	AVX1125	AVX1125	AVX1125	AVX1125	AVX1127	AVX1127	AVX1127	AVX1129	AVX1130
A, L	AVX1125	AVX1125	AVX1127	AVX1127	AVX1127	AVX1143	AVX1143	AVX1138	AVX1138
E, U	AVX1127	AVX1127	AVX1127	AVX1143	AVX1143	AVX1148	AVX1148	AVX1136	AVX1139
N	AVX1143	AVX1143	AVX1143	AVX1148	AVX1148	AVX1148	AVX1136	AVX1139	AVX1141
Integrated hydronic kit: AA, AB, AC, AD, AE, AF, AG, AH, AI, AJ, BA, BB, BC, BD, BE, BF, BG, BH, BI, BJ, CA, CB, CC, CD, CE, CF, CG, CH, CI, CJ, KA, KB, KC, KD, KE, KF, KG, KH, KI, KJ									
°	AVX1126	AVX1126	AVX1126	AVX1126	AVX1128	AVX1128	AVX1128	AVX1131	AVX1131
A, L	AVX1126	AVX1126	AVX1128	AVX1128	AVX1128	AVX1147	AVX1147	AVX1135	AVX1135
E, U	AVX1128	AVX1128	AVX1128	AVX1147	AVX1147	AVX1135	AVX1135	AVX1137	AVX1140
N	AVX1147	AVX1147	AVX1147	AVX1135	AVX1135	AVX1135	AVX1137	AVX1140	AVX1142
Integrated hydronic kit: DA, DB, DC, DD, DE, DF, DG, DH, DI, DJ, IA, IB, IC, ID, IE, IF, IG, IH, II, IJ, JA, JB, JC, JD, JE, JF, JG, JH, JI, JJ, PA, PB, PC, PD, PE, PF, PG, PH, PI, PJ									
°	AVX1125	AVX1125	AVX1125	AVX1125	AVX1126	AVX1126	AVX1126	AVX1132	AVX1132
A, L	AVX1125	AVX1125	AVX1126	AVX1126	AVX1126	AVX1144	AVX1144	AVX1134	AVX1138
E, U	AVX1126	AVX1126	AVX1126	AVX1144	AVX1144	AVX1149	AVX1149	AVX1136	AVX1139
N	AVX1144	AVX1144	AVX1144	AVX1149	AVX1149	AVX1149	AVX1136	AVX1139	AVX1141

Ver	2200	2400	2600	2800	3000	3200	3400	3600
Integrated hydronic kit: 00								
°	AVX1130	AVX1138	AVX1167	AVX1167	AVX1167	AVX1167	AVX1168	AVX1168
A, L	AVX1150	AVX1150	AVX1171	AVX1171	AVX1171	AVX1172	AVX1172	AVX1250
E, U	AVX1139	AVX1141	AVX1251	AVX1170	AVX1170	AVX1253	AVX1253	AVX1253
N	AVX1141	AVX1145	AVX1174	AVX1254	AVX1254	AVX1254	AVX1254	AVX1176
Integrated hydronic kit: AA, AB, AC, AD, AE, AF, AG, AH, AI, AJ, BA, BB, BC, BD, BE, BF, BG, BH, BI, BJ, CA, CB, CC, CD, CE, CF, CG, CH, CI, CJ, KA, KB, KC, KD, KE, KF, KG, KH, KI, KJ								
°	AVX1131	AVX1135	AVX1167	AVX1167	AVX1167	AVX1167	AVX1168	AVX1168
A, L	AVX1137	AVX1137	AVX1171	AVX1171	AVX1172	AVX1172	AVX1250	AVX1251
E, U	AVX1140	AVX1142	AVX1251	AVX1170	AVX1252	AVX1253	AVX1253	AVX1174
N	AVX1142	AVX1146	AVX1174	AVX1254	AVX1254	AVX1254	AVX1176	AVX1176
Integrated hydronic kit: DA, DB, DC, DD, DE, DF, DG, DH, DI, DJ, IA, IB, IC, ID, IE, IF, IG, IH, II, IJ, JA, JB, JC, JD, JE, JF, JG, JH, JI, JJ, PA, PB, PC, PD, PE, PF, PG, PH, PI, PJ								
°	AVX1132	AVX1133	AVX1167	AVX1167	AVX1167	AVX1167	AVX1168	AVX1168
A, L	AVX1150	AVX1150	AVX1171	AVX1171	AVX1171	AVX1172	AVX1250	AVX1250
E, U	AVX1139	AVX1141	AVX1251	AVX1170	AVX1252	AVX1253	AVX1253	AVX1253
N	AVX1141	AVX1145	AVX1174	AVX1254	AVX1254	AVX1254	AVX1176	AVX1176

Condensation control temperature

Ver	0800	0900	1000	1100	1200	1400	1600	1800	2000
Fans: M									
°	DCPX161	DCPX161	DCPX161	DCPX161	DCPX163	DCPX163	DCPX163	DCPX165	DCPX165
A	DCPX161	DCPX161	DCPX163	DCPX163	DCPX163	DCPX165	DCPX165	DCPX167	DCPX167
E, L, N	As standard	As standard	As standard	As standard	As standard	As standard	As standard	As standard	As standard
U	DCPX163	DCPX163	DCPX163	DCPX165	DCPX165	DCPX167	DCPX167	DCPX169	DCPX171

Ver	2200	2400	2600	2800	3000	3200	3400	3600
Fans: M								
°	DCPX165	DCPX167	As standard	As standard	As standard	As standard	As standard	As standard
A	DCPX169	DCPX169	As standard	As standard	As standard	As standard	As standard	As standard
E, L, N	As standard	As standard	As standard	As standard	As standard	As standard	As standard	As standard
U	DCPX171	DCPX172	As standard	As standard	As standard	As standard	As standard	As standard

Device for peak current reduction

Ver	0800	0900	1000	1100	1200	1400	1600	1800	2000
°, A, E, L, N, U	DRENRG0800	DRENRG0900	DRENRG1000	DRENRG1100	DRENRG1200	DRENRG1400	DRENRG1600	DRENRG1800	DRENRG2000

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

Ver	2200	2400	2600	2800	3000	3200	3400	3600
°, A, E, L, N, U	DRENRG2200	DRENRG2400	DRENRG2600	DRENRG2800	DRENRG3000	DRENRG3200	DRENRG3400	DRENRG3600

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

Power factor correction

Ver	0800	0900	1000	1100	1200	1400	1600	1800	2000
°, A, E, L, N, U	RIFNRG0800	RIFNRG0900	RIFNRG1000	RIFNRG1100	RIFNRG1200	RIFNRG1400	RIFNRG1600	RIFNRG1800	RIFNRG2000

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

Ver	2200	2400	2600	2800	3000	3200	3400	3600
°, A, E, L, N, U	RIFNRG2200	RIFNRG2400	RIFNRG2600	RIFNRG2800	RIFNRG3000	RIFNRG3200	RIFNRG3400	RIFNRG3600

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
°	GP2VN	GP2VN	GP2VN	GP2VN	GP3G	GP3G	GP3G	GP4G	GP4G
A, L	GP2VN	GP2VN	GP3G	GP3G	GP3G	GP4GM	GP4GM	GP5G	GP5G
E, U	GP3G	GP3G	GP3G	GP4GM	GP4GM	GP5GM	GP5GM	GP6G	GP7G
N	GP4GM	GP4GM	GP4GM	GP5GM	GP5GM	GP5GM	GP6G	GP7G	GP8G

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

Ver	2200	2400	2600	2800	3000	3200	3400	3600
°	GP4G	GP5G	GP11G	GP11G	GP11G	GP11G	GP11G	GP12G
A, L	GP6G	GP6G	GP11G	GP12G	GP12G	GP12G	GP13G	GP13G
E, U	GP7G	GP8G	GP12G	GP13G	GP14G	GP14G	GP14G	GP15G
N	GP8G	GP9G	GP13G	GP14G	GP15G	GP15G	GP15G	GP15G

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

■ *GP2VN becomes GP2VNA if configured with a type A or B hydronic kit*

Double safety valves

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

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

Ver	2200	2400	2600	2800	3000	3200	3400	3600
°, A, E, L, N, U	T6NRGLS3	T6NRGLS3	T6NRGLS3	T6NRGLS4	T6NRGLS5	T6NRGLS5	T6NRGLS5	T6NRGLS5

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

CONFIGURATOR

Field		Description
1,2,3		**NRG**
4,5,6,7		**Size** 0800, 0900, 1000, 1100, 1200, 1400, 1600, 1800, 2000, 2200, 2400, 2600, 2800, 3000, 3200, 3400, 3600
8		**Operating field**
	X	Electronic thermostatic expansion valve (1)
	Z	Low temperature electronic thermostatic valve (2)
9		**Model**
	°	Cooling only
10		**Heat recovery**
	D	With desuperheater (3)
	T	With total recovery (4)
	°	Without heat recovery
11		**Version**
	°	Standard
	A	High efficiency
	E	Silenced high efficiency
	L	Standard silenced
	N	Silenced very high efficiency
	U	Very high efficiency
12		**Coils**
	I	Copper-aluminium
	O	Coated aluminium microchannel
	R	Copper-copper
	S	Tinned copper
	V	Copper-painted alumimium
	°	Aluminium microchannel
13		**Fans**
	J	Inverter
	M	Oversized (5)
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
	PF	Pump F
	PG	Pump G
	PH	Pump H
	PI	Pump I
	PJ	Pump J (6)
		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
	DJ	Pump J + stand-by pump (6)
		Kit with storage tank and n° 1 pump
	AA	Storage tank and pump A
	AB	Storage tank and pump B
	AC	Storage tank and pump C
	AD	Storage tank and pump D
	AE	Storage tank and pump E
	AF	Storage tank and pump F
	AG	Storage tank and pump G
	AH	Storage tank and pump H
	AI	Storage tank and pump I
	AJ	Storage tank and pump J (6)
		Kit with storage tank and n° 1 pump + stand-by pump
	BA	Storage tank with pump A + stand-by pump
	BB	Storage tank with pump B + stand-by pump
	BC	Storage tank with pump C + stand-by pump
	BD	Storage tank with pump D + stand-by pump
	BE	Storage tank with pump E + stand-by pump
	BF	Storage tank with pump F + stand-by pump
	BG	Storage tank with pump G + stand-by pump
	BH	Storage tank with pump H + stand-by pump
	BI	Storage tank with pump I + stand-by pump
	BJ	Storage tank with pump J + stand-by pump (6)
		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 speedr
	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 (7)
	IG	Pump G equipped with inverter device to work at fixed speed (7)
	IH	Pump H equipped with inverter device to work at fixed speed (7)
	II	Pump I equipped with inverter device to work at fixed speed (7)
	IJ	Pump J equipped with inverter device to work at fixed speed (8)
		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 (7)
	JG	Pump G+stand-by pump, both equipped with inverter to work at fixed speed (7)
	JH	Pump H+stand-by pump, both equipped with inverter to work at fixed speed (7)
	JI	Pump I+stand-by pump, both equipped with inverter to work at fixed speed (7)
	JJ	Pump J+stand-by pump, both equipped with inverter to work at fixed speed (8)
		Kit with storage tank and n° 1 inverter pump to fixed speed
	CA	Buffer tank + pump A, equipped with inverter to work at fixed speed
	CB	Buffer tank + pump B, equipped with inverter to work at fixed speed
	CC	Buffer tank + pump C, equipped with inverter to work at fixed speed
	CD	Buffer tank + pump D, equipped with inverter to work at fixed speed
	EC	Buffer tank + pump E, equipped with inverter to work at fixed speed
	CF	Buffer tank + pump F, equipped with inverter to work at fixed speed (7)
	CG	Buffer tank + pump G, equipped with inverter to work at fixed speed (7)
	CH	Buffer tank + pump H, equipped with inverter to work at fixed speed (7)
	CI	Buffer tank + pump I, equipped with inverter to work at fixed speed (7)
	CJ	Buffer tank + pump J, equipped with inverter to work at fixed speed (7)
		Kit with storage tank and n° 1 pump + stand-by pump to fixed speed
	KA	Buffer tank+pump A+stand-by pump, both with inverter to work at fixed speed
	KB	Buffer tank+pump B+stand-by pump, both with inverter to work at fixed speed
	KC	Buffer tank+pump C+stand-by pump, both with inverter to work at fixed speed
	KD	Buffer tank+pump D+stand-by pump, both with inverter to work at fixed speed
	KE	Buffer tank+pump E+stand-by pump, both with inverter to work at fixed speed
	KF	Buffer tank+pump F+stand-by pump, both with inverter to work at fixed speed (7)
	KG	Buffer tank+pump G+stand-by pump, both with inverter to work at fixed speed (7)
	KH	Buffer tank+pump H+stand-by pump, both with inverter to work at fixed speed (7)
	KI	Buffer tank+pump I+stand-by pump, both with inverter to work at fixed speed (7)
	KJ	Buffer tank+pump J+stand-by pump, both with inverter to work at fixed speed (8)

(1) Water produced from 4 °C ÷ 20 °C
(2) Water produced from 8 °C ÷ -10 °C
(3) 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
(4) None of the hydronic kits (from PA to KJ) are compatible with the following sizes and with versions with heat recovery T: 0800 - 0900 - 1000 - 1100 version °; 0800 - 0900 version A; 0800 - 0900 version L. None of the hydronic kits with pump(s) and storage tank (AA - AJ, BA-BJ, CA-CJ, KA-KJ) are compatible with all the sizes and with versions with heat recovery T. Total recovery is not compatible with sizes from 2600 to 3600.
(5) As standard in sizes fom 800 to 2400. DPCX included as standard in sizes from 2600 to 3600.
(6) For all configurations including pump J please contact the factory.
(7) Hydronic kit not available with sizes 0800 version °/L/A, 0900 version °/L/A, 1000 version °, 1100 version °.
(8) For all possible configurations which include the "J" pump please be in touch with Aermec. Hydronic kit is not available with sizes 0800 version °/L/A, 0900 version °/L/A, 1000 version °, 1100 version °.

PERFORMANCE SPECIFICATIONS

NRG - °

Size		0800	0900	1000	1100	1200	1400	1600	1800	2000	2200	2400	2600	2800	3000	3200	3400	3600
Fans: J, M																		
Cooling performance 12 °C / 7 °C (1)																		
Cooling capacity	kW	229,0	251,4	278,2	314,5	372,4	399,7	459,4	532,8	593,5	635,8	698,1	742,2	792,8	849,5	890,4	929,9	988,3
Input power	kW	70,6	80,3	90,1	107,8	118,6	129,5	152,5	170,8	197,3	212,9	226,5	237,4	260,6	286,7	302,3	318,7	329,5
Cooling total input current	A	121,9	138,4	155,6	182,3	197,6	222,2	248,5	282,0	325,0	353,5	366,3	399,8	449,0	492,2	512,4	547,7	550,4
EER	W/W	3,24	3,13	3,09	2,92	3,14	3,09	3,01	3,12	3,01	2,99	3,08	3,13	3,04	2,96	2,94	2,92	3,00
Water flow rate system side	l/h	39392	43247	47863	54104	64061	68767	79015	91640	102081	109354	120062	127638	136347	146093	153120	159916	169959
Pressure drop system side	kPa	36	44	54	51	60	62	42	57	62	62	64	64	73	80	83	85	93

(1) Data EN 14511:2022; Heat exchanger water (services side) 12°C / 7°C; outside air 35°C

NRG - L

Size		0800	0900	1000	1100	1200	1400	1600	1800	2000	2200	2400	2600	2800	3000	3200	3400	3600
Fans: J, M																		
Cooling performance 12 °C / 7 °C (1)																		
Cooling capacity	kW	225,7	247,6	279,0	317,6	360,5	410,2	451,3	526,9	590,3	640,5	679,3	730,9	800,5	861,6	899,4	951,1	987,3
Input power	kW	70,6	80,3	88,3	106,0	121,5	133,0	151,3	171,3	200,0	209,3	224,5	239,4	260,0	286,0	302,8	314,0	330,1
Cooling total input current	A	121,4	138,2	148,4	174,4	201,5	215,7	242,7	276,7	323,2	337,2	364,0	394,9	431,3	474,5	494,3	508,7	532,6
EER	W/W	3,20	3,09	3,16	3,00	2,97	3,08	2,98	3,08	2,95	3,06	3,03	3,05	3,08	3,01	2,97	3,03	2,99
Water flow rate system side	l/h	38832	42603	47996	54644	62004	70568	77616	90617	101513	110161	116806	125699	137666	148170	154674	163553	169784
Pressure drop system side	kPa	36	43	42	48	47	53	41	49	53	62	39	59	67	73	78	86	80

(1) Data EN 14511:2022; Heat exchanger water (services side) 12°C / 7°C; outside air 35°C

NRG - A

Size		0800	0900	1000	1100	1200	1400	1600	1800	2000	2200	2400	2600	2800	3000	3200	3400	3600
Fans: J, M																		
Cooling performance 12 °C / 7 °C (1)																		
Cooling capacity	kW	230,4	253,6	287,0	328,9	374,1	424,3	468,8	542,9	608,8	663,3	702,9	746,1	816,2	880,4	920,3	971,2	1009,6
Input power	kW	69,3	78,3	86,3	100,7	116,2	127,9	144,7	163,4	187,9	202,4	217,9	234,1	256,3	277,8	293,3	308,5	323,4
Cooling total input current	A	123,4	139,3	150,6	173,7	197,3	214,7	238,4	274,6	316,8	334,0	357,6	399,8	438,4	479,1	497,8	515,6	537,7
EER	W/W	3,33	3,24	3,33	3,27	3,22	3,32	3,24	3,32	3,24	3,28	3,23	3,19	3,18	3,17	3,14	3,15	3,12
Water flow rate system side	l/h	39642	43624	49381	56584	64350	72980	80631	93379	104697	114081	120866	128314	140372	151403	158257	167010	173615
Pressure drop system side	kPa	37	45	44	52	52	56	44	53	58	67	42	61	70	77	81	90	84

(1) Data EN 14511:2022; Heat exchanger water (services side) 12°C / 7°C; outside air 35°C

NRG - E

Size		0800	0900	1000	1100	1200	1400	1600	1800	2000	2200	2400	2600	2800	3000	3200	3400	3600
Fans: J, M																		
Cooling performance 12 °C / 7 °C (1)																		
Cooling capacity	kW	229,7	256,5	280,7	330,9	378,2	424,6	466,3	542,7	617,8	652,1	705,8	746,7	822,8	892,1	930,9	968,4	1019,2
Input power	kW	68,3	77,4	86,8	100,0	116,7	128,4	144,7	165,0	186,7	203,2	214,1	234,1	256,2	278,2	294,6	306,7	322,4
Cooling total input current	A	116,2	132,1	148,6	167,0	190,7	208,2	231,2	268,2	302,4	326,9	343,4	385,3	425,5	457,4	475,2	501,3	515,7
EER	W/W	3,37	3,32	3,24	3,31	3,24	3,31	3,22	3,29	3,31	3,21	3,30	3,19	3,21	3,21	3,16	3,16	3,16
Water flow rate system side	l/h	39530	44119	48278	56919	65043	73027	80200	93338	106248	112132	121358	128409	141496	153408	160081	166526	175267
Pressure drop system side	kPa	38	35	38	48	39	38	44	47	59	45	37	62	67	78	83	78	82

(1) Data EN 14511:2022; Heat exchanger water (services side) 12°C / 7°C; outside air 35°C

NRG - U

Size		0800	0900	1000	1100	1200	1400	1600	1800	2000	2200	2400	2600	2800	3000	3200	3400	3600
Fans: J, M																		
Cooling performance 12 °C / 7 °C (1)																		
Cooling capacity	kW	234,8	263,0	288,8	339,2	389,3	435,6	479,7	558,1	634,0	671,3	725,0	756,9	834,1	903,8	943,7	982,9	1033,7
Input power	kW	68,2	76,5	85,2	99,1	114,3	126,8	142,5	163,7	185,1	200,1	212,0	231,3	253,6	274,6	290,0	304,2	319,2
Cooling total input current	A	120,5	135,5	150,8	171,3	192,6	212,3	233,1	271,5	307,9	329,7	348,7	392,9	434,6	469,5	486,6	510,4	528,3
EER	W/W	3,44	3,44	3,39	3,42	3,41	3,44	3,37	3,41	3,43	3,35	3,42	3,27	3,29	3,29	3,25	3,23	3,24
Water flow rate system side	l/h	40397	45241	49677	58351	66957	74921	82502	95984	109036	115443	124657	130163	143439	155430	162284	169028	177747
Pressure drop system side	kPa	40	36	41	50	40	39	47	49	62	48	39	57	69	81	82	80	85

(1) Data EN 14511:2022; Heat exchanger water (services side) 12°C / 7°C; outside air 35°C

NRG - N

Size		0800	0900	1000	1100	1200	1400	1600	1800	2000	2200	2400	2600	2800	3000	3200	3400	3600
Fans: J, M																		
Cooling performance 12 °C / 7 °C (1)																		
Cooling capacity	kW	235,0	262,1	290,7	339,2	389,2	430,7	481,8	556,2	627,9	670,3	719,8	759,5	831,3	900,0	938,8	977,7	1019,2
Input power	kW	67,2	76,1	85,1	98,7	113,4	126,5	141,8	163,9	184,6	198,3	212,1	231,2	253,1	273,9	290,2	304,4	317,8
Cooling total input current	A	114,7	129,5	144,6	163,8	185,1	208,2	225,3	262,3	297,3	320,1	337,6	379,3	419,5	452,9	470,1	494,4	515,7
EER	W/W	3,50	3,44	3,42	3,44	3,43	3,40	3,40	3,39	3,40	3,38	3,39	3,29	3,28	3,29	3,24	3,21	3,21
Water flow rate system side	l/h	40430	45090	50006	58350	66941	74070	82857	95663	107988	115265	123768	130611	142953	154767	161439	168129	175265
Pressure drop system side	kPa	41	38	41	50	41	38	42	49	61	47	39	61	69	80	85	79	82

(1) Data EN 14511:2022; Heat exchanger water (services side) 12°C / 7°C; outside air 35°C

ENERGY INDICES (REG. 2016/2281 EU)

Size			0800	0900	1000	1100	1200	1400	1600	1800	2000	2200	2400	2600	2800	3000	3200	3400	3600
Fans: J																			
SEER - 12/7 (EN 14825: 2018) (1)																			
SEER	°	W/W	4,60	4,60	4,51	4,53	4,68	4,61	4,75	4,72	4,67	4,72	4,66	4,92	5,04	5,03	4,98	4,93	4,96
	A	W/W	4,82	4,85	4,82	4,84	4,85	4,85	4,87	4,92	4,91	4,90	4,85	5,01	5,15	5,19	5,14	5,08	5,04
	E	W/W	4,93	4,97	4,90	4,95	4,95	5,06	5,03	5,14	5,09	4,99	4,97	5,03	5,13	5,12	5,08	5,10	5,04
	L	W/W	4,74	4,74	4,81	4,80	4,79	4,99	4,84	4,98	4,97	4,96	4,93	4,94	5,07	5,10	5,07	5,04	5,01
	N	W/W	5,01	5,03	5,05	5,08	5,06	5,17	5,14	5,19	5,14	5,06	5,01	5,10	5,19	5,16	5,12	5,13	5,11
	U	W/W	4,88	4,89	4,91	4,94	4,93	4,87	4,95	4,96	4,87	4,84	4,84	5,11	5,25	5,25	5,14	5,12	5,10
Seasonal efficiency	°	%	181,20	180,81	177,55	178,19	184,10	181,33	187,11	185,77	183,62	185,93	183,49	193,99	198,74	198,31	196,15	194,31	195,23
	A	%	189,63	191,00	189,65	190,48	191,13	191,01	191,98	193,63	193,20	192,83	191,19	197,45	203,06	204,69	202,63	200,04	198,74
	E	%	194,09	195,85	192,97	195,14	195,09	199,22	198,28	202,75	200,40	196,73	195,73	198,31	202,20	201,77	200,04	200,90	198,74
	L	%	186,54	186,65	189,26	188,90	188,53	196,47	190,41	196,04	195,71	195,37	194,18	194,42	199,96	200,82	199,61	198,74	197,45
	N	%	197,31	198,10	199,16	200,08	199,21	203,95	202,63	204,40	202,46	199,48	197,51	200,90	204,54	203,58	201,92	202,36	201,34
	U	%	192,19	192,79	193,28	194,65	194,13	191,62	194,98	195,59	191,72	190,54	190,68	201,34	206,95	207,06	202,63	201,77	200,98
SEER - 23/18 (EN 14825: 2018) (1)																			
SEER	°	W/W	5,47	5,43	5,32	5,34	5,61	5,49	5,60	5,61	5,55	5,57	5,56	5,81	5,97	5,97	5,90	5,85	5,86
	A	W/W	5,77	5,79	5,79	5,78	5,74	5,78	5,72	5,84	5,84	5,84	5,80	6,00	6,17	6,22	6,15	6,07	6,03
	E	W/W	5,91	5,94	5,80	5,90	5,83	6,01	5,91	6,08	6,01	5,92	5,92	5,96	6,08	6,06	6,01	6,04	5,97
	L	W/W	5,69	5,66	5,69	5,66	5,59	5,88	5,64	5,82	5,80	5,81	5,77	5,78	5,95	5,97	5,94	5,91	5,87
	N	W/W	6,04	6,05	6,05	6,11	6,03	6,11	6,07	6,16	6,10	6,02	5,99	6,07	6,18	6,14	6,09	6,11	6,08
	U	W/W	5,93	5,92	5,90	5,96	5,89	5,80	5,87	5,93	5,86	5,85	5,86	6,18	6,35	6,35	6,21	6,19	6,16
Seasonal efficiency	°	%	215,77	214,03	209,84	210,78	221,22	216,68	221,00	221,39	218,97	219,81	219,27	229,30	235,87	235,76	233,09	230,91	231,55
	A	%	227,94	228,49	228,46	228,12	226,73	228,27	225,89	230,58	230,52	230,72	229,10	236,89	243,65	245,61	243,10	239,80	238,34
	E	%	233,50	234,52	229,14	233,17	230,29	237,47	233,26	240,04	237,31	233,77	233,69	235,56	240,22	239,55	237,47	238,59	235,95
	L	%	224,54	223,48	224,79	223,35	220,60	232,13	222,79	229,99	229,03	229,46	227,62	228,35	234,91	235,86	234,41	233,25	231,69
	N	%	238,70	239,11	239,16	241,55	238,13	241,52	239,72	243,56	240,96	237,95	236,49	239,74	244,07	242,76	240,75	241,39	240,13
	U	%	234,19	233,99	232,90	235,60	232,79	228,85	231,88	234,26	231,29	230,89	231,57	244,25	250,90	250,85	245,47	244,48	243,44
SEPR - (EN 14825: 2018) (2)																			
SEPR	°	W/W	5,84	5,73	5,82	5,67	5,95	6,14	6,27	6,31	6,09	6,12	6,30	6,38	6,60	6,61	6,53	6,47	6,47
	A	W/W	6,12	6,09	6,21	6,13	6,12	6,35	6,41	6,46	6,38	6,45	6,48	6,68	6,89	6,96	6,89	6,78	6,74
	E	W/W	6,24	6,26	6,28	6,23	6,14	6,72	6,72	6,78	6,73	6,64	6,62	6,70	6,84	6,82	6,77	6,80	6,72
	L	W/W	6,10	6,05	6,16	6,08	5,87	6,54	6,44	6,56	6,54	6,50	6,43	6,47	6,67	6,73	6,70	6,64	6,69
	N	W/W	6,36	6,35	6,37	6,38	6,43	6,82	6,80	6,93	6,85	6,78	6,71	6,85	6,99	6,95	6,89	6,92	6,88
	U	W/W	6,38	6,36	6,36	6,25	6,30	6,55	6,63	6,55	6,50	6,59	6,64	7,01	7,21	7,21	7,05	7,02	6,98

(1) Calculation performed with VARIABLE water flow rate
(2) Calculation performed with FIXED water flow rate

Size			0800	0900	1000	1100	1200	1400	1600	1800	2000	2200	2400	2600	2800	3000	3200	3400	3600
Fans: M																			
SEER - 12/7 (EN 14825: 2018) (1)																			
SEER	°	W/W	4,49	4,48	4,42	4,45	4,34	4,42	4,56	4,59	4,55	4,62	4,57	4,60	4,62	4,64	4,65	4,67	4,63
	A	W/W	4,57	4,61	4,59	4,64	4,66	4,81	4,78	4,81	4,82	4,77	4,73	4,63	4,66	4,69	4,71	4,69	4,69
	E	W/W	4,66	4,72	4,70	4,75	4,74	4,81	4,83	4,88	4,86	4,81	4,82	4,69	4,68	4,69	4,67	4,67	4,69
	L	W/W	4,52	4,54	4,61	4,61	4,60	4,81	4,74	4,81	4,80	4,80	4,78	4,63	4,65	4,65	4,65	4,64	4,65
	N	W/W	4,74	4,77	4,84	4,86	4,84	4,93	4,93	4,92	4,91	4,88	4,87	4,72	4,70	4,72	4,72	4,70	4,72
	U	W/W	4,63	4,66	4,68	4,74	4,73	4,82	4,86	4,86	4,78	4,72	4,73	4,67	4,71	4,73	4,72	4,73	4,71
Seasonal efficiency	°	%	176,62	176,29	173,89	175,16	170,44	173,62	179,47	180,79	179,09	181,96	179,69	180,94	181,88	182,75	183,18	183,61	182,32
	A	%	179,65	181,43	180,66	182,42	183,41	189,30	188,26	189,31	189,61	187,82	186,31	182,32	183,56	184,74	185,26	184,44	184,41
	E	%	183,47	185,88	184,93	186,81	186,78	189,58	190,12	192,35	191,44	189,50	189,92	184,46	184,04	184,46	183,61	183,98	184,46
	L	%	177,91	178,50	181,50	181,45	181,06	189,43	186,65	189,36	188,92	189,17	188,22	182,32	183,14	183,10	183,14	182,71	183,14
	N	%	186,42	187,94	190,76	191,43	190,66	194,09	194,23	193,86	193,28	192,09	191,66	185,75	184,92	185,77	185,78	184,89	185,68
	U	%	182,14	183,35	184,17	186,53	186,34	189,96	191,23	191,32	188,27	185,91	186,04	183,61	185,32	186,18	185,78	186,18	185,32
SEER - 23/18 (EN 14825: 2018) (1)																			
SEER	°	W/W	5,33	5,29	5,21	5,25	5,17	5,26	5,21	5,46	5,41	5,44	5,38	5,39	5,43	5,47	5,49	5,51	5,45
	A	W/W	5,47	5,50	5,51	5,53	5,49	5,73	5,61	5,71	5,72	5,69	5,65	5,53	5,56	5,60	5,61	5,59	5,59
	E	W/W	5,59	5,64	5,56	5,65	5,56	5,72	5,67	5,77	5,74	5,70	5,73	5,54	5,52	5,53	5,51	5,52	5,53
	L	W/W	5,43	5,42	5,46	5,43	5,37	5,67	5,53	5,63	5,59	5,62	5,59	5,41	5,43	5,44	5,44	5,42	5,44
	N	W/W	5,71	5,75	5,80	5,84	5,76	5,82	5,82	5,85	5,82	5,80	5,80	5,60	5,58	5,60	5,60	5,58	5,60
	U	W/W	5,62	5,64	5,62	5,71	5,65	5,75	5,76	5,80	5,75	5,70	5,71	5,63	5,68	5,70	5,69	5,71	5,68
Seasonal efficiency	°	%	210,28	208,66	205,52	207,05	203,71	207,46	205,26	215,21	213,44	214,60	212,06	212,65	214,00	215,76	216,46	217,23	214,80
	A	%	215,89	217,00	217,57	218,29	216,47	226,19	221,50	225,43	225,87	224,50	222,82	218,02	219,42	220,85	221,58	220,41	220,54
	E	%	220,65	222,52	219,54	223,14	219,44	225,89	223,61	227,72	226,58	224,85	226,30	218,58	217,96	218,35	217,34	217,87	218,39
	L	%	214,09	213,68	215,50	214,23	211,81	223,78	218,35	222,16	220,51	221,80	220,63	213,52	214,37	214,43	214,59	213,78	214,59
	N	%	225,54	226,84	229,06	230,70	227,28	229,69	229,77	230,98	229,93	228,93	229,01	221,18	220,09	220,95	220,99	220,05	220,96
	U	%	221,93	222,50	221,86	225,46	222,97	226,86	227,42	229,11	227,10	225,09	225,49	222,28	224,20	225,07	224,68	225,27	224,11

(1) Calculation performed with VARIABLE water flow rate
(2) Calculation performed with FIXED water flow rate

Size			0800	0900	1000	1100	1200	1400	1600	1800	2000	2200	2400	2600	2800	3000	3200	3400	3600
SEPR - (EN 14825: 2018) (2)																			
SEPR	°	W/W	5,68	5,58	5,70	5,58	5,60	5,96	5,95	6,10	5,92	5,97	6,07	5,91	5,95	6,01	6,03	6,05	5,97
	A	W/W	5,79	5,78	5,93	5,95	5,87	6,34	6,27	6,33	6,32	6,30	6,31	6,11	6,16	6,20	6,23	6,19	6,20
	E	W/W	5,94	5,94	6,04	6,00	5,89	6,41	6,41	6,47	6,44	6,36	6,42	6,18	6,16	6,17	6,15	6,16	6,18
	L	W/W	5,85	5,77	5,93	5,84	5,63	6,29	6,29	6,35	6,28	6,26	6,21	6,01	6,03	6,04	6,06	6,02	6,13
	N	W/W	6,03	6,02	6,12	6,13	6,17	6,49	6,50	6,60	6,52	6,50	6,49	6,28	6,25	6,27	6,28	6,26	6,28
	U	W/W	6,04	6,05	6,04	6,02	6,07	6,49	6,50	6,41	6,37	6,42	6,46	6,34	6,39	6,42	6,41	6,43	6,40

(1) Calculation performed with VARIABLE water flow rate
(2) Calculation performed with FIXED water flow rate

ELECTRIC DATA

Size			0800	0900	1000	1100	1200	1400	1600	1800	2000	2200	2400	2600	2800	3000	3200	3400	3600
Electric data																			
Maximum current (FLA)	°	A	158,2	176,5	198,8	226,7	262,4	290,3	318,1	371,7	417,5	445,4	481,1	542,5	588,3	634,1	662,0	689,9	725,5
	A,L	A	162,2	180,5	200,6	228,5	256,4	290,1	317,9	369,5	415,3	449,0	476,9	542,5	596,1	641,9	669,8	705,5	733,3
	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	550,3	603,9	657,5	685,4	713,3	748,9
	N	A	169,8	188,1	206,4	240,1	268,0	295,9	329,5	381,1	432,7	460,6	494,3	558,1	611,7	665,3	693,2	721,1	748,9
Peak current (LRA)	°	A	361,6	417,7	440,0	689,0	724,7	752,6	780,4	834,1	879,9	907,7	943,4	1004,8	1050,6	1096,4	1124,3	1152,2	1187,8
	A,L	A	365,6	421,7	441,8	690,8	718,7	752,4	780,2	831,9	877,7	911,3	939,2	1004,8	1058,4	1104,2	1132,1	1167,8	1195,6
	E,U	A	367,4	423,5	441,8	696,6	724,5	758,2	786,0	837,7	889,3	917,1	950,8	1012,6	1066,2	1119,8	1147,7	1175,6	1211,2
	N	A	373,2	429,3	447,6	702,4	730,3	758,2	791,8	843,5	895,1	922,9	956,6	1020,4	1074,0	1127,6	1155,5	1183,4	1211,2

Data calculated without hydronic kit and accessories.

GENERAL TECHNICAL DATA

Compressors

Size			0800	0900	1000	1100	1200	1400	1600	1800	2000	2200	2400	2600	2800	3000	3200	3400	3600
Compressor																			
Type	°,A,E,L,N,U	type	Scroll																
Compressor regulation	°,A,E,L,N,U	Type	On/Off																
Number	°,A,E,L,N,U	no.	4	4	4	4	4	4	4	5	6	6	6	7	8	9	9	9	9
Circuits	°,A,E,L,N,U	no.	2	2	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3
Refrigerant	°,A,E,L,N,U	type	R32																
Refrigerant load circuit 1 (1)	°	kg	10,5	10,9	11,3	12,0	15,0	15,0	15,8	21,0	21,6	24,6	29,0	21,0	20,5	21,6	21,6	24,6	29,0
	A	kg	10,5	10,9	13,5	15,0	15,8	18,0	21,0	24,0	26,5	24,4	30,4	21,0	24,0	24,0	24,0	24,4	26,3
	E	kg	15,4	15,0	13,3	17,5	21,0	24,0	23,3	25,9	28,1	36,8	35,8	23,3	25,9	28,1	28,1	33,8	30,8
	L	kg	11,3	10,9	13,5	15,0	15,8	18,0	21,0	24,0	24,0	24,4	30,4	21,0	24,0	24,0	24,0	24,4	26,3
	N	kg	17,5	16,0	17,3	24,2	23,7	26,3	30,8	30,0	35,5	34,1	34,1	30,8	30,0	37,5	37,5	34,1	34,1
	U	kg	15,4	15,0	13,3	18,5	21,0	24,0	23,3	25,9	28,1	36,8	35,8	23,3	25,9	28,1	28,1	36,8	30,8
Refrigerant load circuit 2 (1)	°	kg	10,5	10,9	11,3	12,0	15,0	15,0	15,8	23,5	23,6	26,0	29,0	22,5	20,5	23,6	23,6	26,0	29,0
	A	kg	11,3	10,9	14,5	15,0	15,8	20,5	22,5	28,0	28,5	24,4	34,4	22,5	28,0	24,0	24,0	24,4	26,3
	E	kg	15,4	15,0	14,3	19,8	22,0	25,5	23,3	25,9	28,1	38,8	37,8	23,3	25,9	28,1	28,1	33,8	30,8
	L	kg	11,3	10,9	14,5	15,0	15,8	20,5	22,5	28,0	24,0	24,4	34,4	22,5	28,0	24,0	24,0	24,4	26,3
	N	kg	19,7	18,0	18,8	25,4	26,3	26,3	30,8	30,0	36,0	34,1	34,1	30,8	30,0	37,5	37,5	34,1	30,8
	U	kg	15,4	15,0	14,3	20,3	22,0	25,5	23,3	25,9	28,1	38,8	37,8	23,3	25,9	28,1	28,1	38,8	30,8
Refrigerant load circuit 3 (1)	°,A,E,L,N,U	kg	-	-	-	-	-	-	-	-	-	-	-	30,0	30,0	30,0	30,0	30,0	30,0
Potential global heating	°,A,E,L,N,U	GWP	675kgCO_2eq																

(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			0800	0900	1000	1100	1200	1400	1600	1800	2000	2200	2400	2600	2800	3000	3200	3400	3600
System side heat exchanger																			
Type	°,A,E,L,N,U	type	Brazed plate	Brazed plate	Brazed plate	Brazed plate	Brazed plate	Brazed plate	Brazed plate	Brazed plate	Brazed plate	Brazed plate	Brazed plate	Brazed plate	Brazed plate	Brazed plate	Brazed plate	Brazed plate	Brazed plate
Number	°,A,E,L,N,U	no.	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2

Size			0800	0900	1000	1100	1200	1400	1600	1800	2000	2200	2400	2600	2800	3000	3200	3400	3600
Integrated hydronic kit: 00																			
Hydraulic connections																			
Connections (in/out)	°,A,E,L,N,U	Type	Grooved joints																
Sizes (in/out)	°	Ø	3"	3"	3"	3"	3"	4"	4"	4"	4"	4"	5"	5"	5"	5"	5"	5"	5"
	A,L	Ø	3"	3"	3"	3"	3"	4"	4"	4"	4"	5"	5"	5"	5"	5"	5"	5"	5"
	E,N,U	Ø	3"	3"	3"	3"	4"	4"	4"	4"	4"	5"	5"	5"	5"	5"	5"	5"	5"

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.

Fans

Size			0800	0900	1000	1100	1200	1400	1600	1800	2000	2200	2400	2600	2800	3000	3200	3400	3600
Fans: J																			
Inverter fan																			
Type	°,A,E,L,N,U	type									Axial								
Fan motor	°,A,E,L,N,U	type									Inverter								
Number	°	no.	4	4	4	4	6	6	6	8	8	8	10	14	14	14	14	14	16
	A,L	no.	4	4	6	6	6	8	8	10	10	12	12	14	16	16	16	18	18
	E,U	no.	6	6	6	8	8	10	10	12	14	14	16	16	18	20	20	20	22
	N	no.	8	8	8	10	10	10	12	14	16	16	18	18	20	22	22	22	22
Air flow rate	°	m^3/h	65555	65555	76744	76744	115121	115121	115121	153480	153480	153480	191819	262339	262339	262339	262339	262339	299816
	A	m^3/h	76743	76743	98321	98321	98321	131111	131087	163789	163789	196572	196572	262339	299816	299816	299816	337293	337293
	E	m^3/h	74973	74973	74973	99978	99978	124970	124970	149950	174934	174934	199932	254531	285031	315528	315528	315528	346030
	L	m^3/h	62605	62605	74978	74978	74978	99996	99996	124953	124953	149882	149882	213489	243988	243988	243988	274487	274487
	N	m^3/h	99973	99973	99973	124966	124966	124966	149960	174953	199946	199946	224939	285030	315528	346027	346027	346027	346027
	U	m^3/h	98320	98320	98320	131139	131139	163815	163815	196680	229462	229462	262164	299816	337293	374770	374770	374770	412247
Sound data calculated in cooling mode (1)																			
Sound power level	°	dB(A)	87,1	87,1	90,5	90,6	92,4	92,5	92,6	93,8	93,8	93,9	94,8	96,5	96,6	96,6	96,6	96,7	97,3
	A	dB(A)	90,5	90,5	88,1	88,7	89,2	89,9	90,2	90,9	91,5	92,3	92,5	96,5	97,1	97,1	97,1	97,6	97,7
	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	93,4	93,9	94,3	94,4	94,4	94,9
	L	dB(A)	85,1	85,1	84,5	85,1	85,4	86,6	87,2	87,7	88,4	89,1	89,5	89,8	90,1	90,2	90,5	91,0	91,2
	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	93,8	94,2	94,6	94,7	94,8	94,9
	U	dB(A)	88,6	88,6	88,6	90,1	90,5	91,6	91,9	92,5	93,0	93,2	93,8	97,0	97,5	97,9	98,0	98,0	98,5

(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 measured in free field (in compliance with UNI EN ISO 3744).

Size			0800	0900	1000	1100	1200	1400	1600	1800	2000
Fans: M											
Increased fan											
Type	°,A,E,L,N,U	type	Axial	Axial	Axial	Axial	Axial	Axial	Axial	Axial	Axial
Fan motor	°,A,U	type	- (1)	- (1)	- (1)	- (1)	- (1)	- (1)	- (1)	- (1)	- (1)
	E,L,N	type	- (2)	- (2)	- (2)	- (2)	- (2)	- (2)	- (2)	- (2)	- (2)
Number	°	no.	4	4	4	4	6	6	6	8	8
	A,L	no.	4	4	6	6	6	8	8	10	10
	E,U	no.	6	6	6	8	8	10	10	12	14
	N	no.	8	8	8	10	10	10	12	14	16
Without Static pressure											
Air flow rate	°	m^3/h	76740	76740	76744	76744	115121	115121	115121	153480	153480
	A	m^3/h	76743	76743	115110	115110	115110	153480	153480	191850	191850
	E	m^3/h	74973	74973	74973	99978	99978	124970	124970	149950	174934
	L	m^3/h	62605	62605	74978	74978	74978	99996	99996	124953	124953
	N	m^3/h	99973	99973	99973	124966	124966	124966	149960	174953	199946
	U	m^3/h	115110	115110	115110	153480	153480	191850	191850	230220	268590
Sound power level	°	dB(A)	89,2	89,2	90,5	90,6	92,4	92,5	92,6	93,8	93,8
	A	dB(A)	90,5	90,5	90,5	90,8	91,1	92,1	92,3	93,1	93,4
	E	dB(A)	84,4	84,5	84,5	85,8	86,5	87,6	88,1	88,6	89,0
	L	dB(A)	85,1	85,1	84,5	85,1	85,4	86,6	87,2	87,7	88,4
	N	dB(A)	85,3	85,4	85,4	86,9	87,6	88,1	89,0	89,4	89,8
	U	dB(A)	90,8	90,8	90,8	92,2	92,5	93,5	93,6	94,3	94,9

(1) Asynchronous
(2) Asynchronous with phase cut

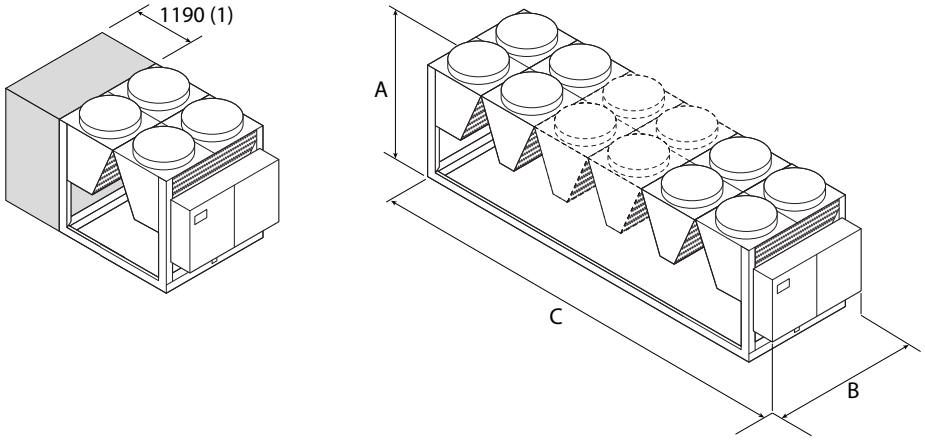
Size			2200	2400	2600	2800	3000	3200	3400	3600
Fans: M										
Increased fan										
Type	°,A,E,L,N,U	type	Axial	Axial	Axial	Axial	Axial	Axial	Axial	Axial
Fan motor	°,A,U	type	- (1)	- (1)	- (2)	- (2)	- (2)	- (2)	- (2)	- (2)
	E,L,N	type	- (2)	- (2)	- (2)	- (2)	- (2)	- (2)	- (2)	- (2)
Number	°	no.	8	10	14	14	14	14	14	16
	A,L	no.	12	12	14	16	16	16	18	18
	E,U	no.	14	16	16	18	20	20	20	22
	N	no.	16	18	18	20	22	22	22	22
Without Static pressure										
Air flow rate	°	m^3/h	153480	191819	268597	268600	268600	268600	268600	307026
	A	m^3/h	230220	230220	268597	306979	306979	306979	345327	345327
	E	m^3/h	174934	199932	259432	290737	322041	322041	322041	353346
	L	m^3/h	149882	149882	219126	250455	250455	250455	281706	281706
	N	m^3/h	199946	224939	290848	322029	353368	353368	353368	353368
	U	m^3/h	268590	306960	306970	345339	383716	383711	383711	422082

(1) Asynchronous
(2) Asynchronous with phase cut

Size			2200	2400	2600	2800	3000	3200	3400	3600
Sound power level	°	dB(A)	93,9	94,8	96,5	96,6	96,6	96,6	96,7	97,3
	A	dB(A)	94,2	94,3	96,5	97,1	97,1	97,1	97,6	97,7
	E	dB(A)	89,7	90,2	93,4	93,9	94,3	94,4	94,4	94,9
	L	dB(A)	89,1	89,5	89,8	90,1	90,2	90,5	91,0	91,2
	N	dB(A)	90,5	91,0	93,8	94,2	94,6	94,7	94,8	94,9
	U	dB(A)	95,0	95,6	97,0	97,5	97,9	98,0	98,0	98,5

(1) Asynchronous
(2) Asynchronous with phase cut

DIMENSIONS



(1) Additional module needed to contain the hydronic kit with "accumulation" option in sizes:
NRG 0800°, 0900°, 1000°, 1100°
NRG 0800L, 0900L
NRG 0800A, 0900A

Size			0800	0900	1000	1100	1200	1400	1600	1800	2000	2200	2400	2600	2800	3000	3200	3400	3600
Integrated hydronic kit: 00																			
Dimensions and weights																			
A	°,A,E,L,N,U	mm	2450	2450	2450	2450	2450	2450	2450	2450	2450	2450	2450	2450	2450	2450	2450	2450	2450
B	°,A,E,L,N,U	mm	2200	2200	2200	2200	2200	2200	2200	2200	2200	2200	2200	2200	2200	2200	2200	2200	2200
C	°	mm	2780	2780	2780	2780	3970	3970	3970	5160	5160	5160	6350	8730	8730	8730	8730	8730	9920
	A,L	mm	2780	2780	3970	3970	3970	5160	5160	6350	6350	7540	7540	8730	9920	9920	9920	11110	11110
	E,U	mm	3970	3970	3970	5160	5160	6350	6350	7540	8730	8730	9920	9920	11110	12300	12300	12300	13490
	N	mm	5160	5160	5160	6350	6350	6350	7540	8730	9920	9920	11110	11110	12300	13490	13490	13490	13490

■ *The units 0800°, 0900°, 1000°, 1100°; 0800L, 0900L; and 0800A, 0900A with the "storage tank" option, are 3970mm long.*

Size			0800	0900	1000	1100	1200	1400	1600	1800	2000	2200	2400	2600	2800	3000	3200	3400	3600
Integrated hydronic kit: 00																			
Weights																			
Empty weight	°	kg	2140	2140	2150	2310	2850	2960	3180	3830	4030	4210	4740	6280	6515	6810	6930	7135	7655
	A,L	kg	2160	2160	2580	2730	2870	3440	3650	4250	4460	4960	5070	6300	6960	7265	7380	7925	8015
	E,U	kg	2580	2590	2600	3220	3430	3930	4070	4660	5270	5400	5990	6755	7390	8120	8230	8390	8925
	N	kg	3050	3070	3080	3630	3850	3990	4470	5110	5750	5880	6370	7155	7870	8565	8675	8830	8955

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