NRP 0200-0750

Air-water multipurpose

Cooling capacity 43 ÷ 185 kW
Heating capacity 46 ÷ 205 kW

- **High efficiency also at partial loads**
- **Units designed for 2 or 4-pipe systems**
- **Simultaneous and independent production of hot and chilled water**
- **Compact dimensions**

EUROVENT CERTIFIED PERFORMANCE
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DESCRIPTION

Multipurpose external units designed for 2 or 4-pipe systems. With just one unit simultaneous and independent requests for hot and chilled water can be accommodated all year round.
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

FEATURES

Operating field

Working at full load up to -15 °C outside air temperature in winter, and up to 46 °C in summer. Hot water production up to 55 °C (for more details refer to the selection software and technical documentation).

Dual-circuit unit

The units are dual-circuit, to ensure maximum efficiency both at full load and at partial load.

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.

Option integrated hydronic kit

To obtain a solution that offers economic savings and easy installation, these units can be configured with an integrated hydronic kit on both the service side and the recovery side.
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 PCO[5]

Microprocessor adjustment, with keyboard and LCD display,for easy access on the unit is a menu available in several languages.

— 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.

ACCESSORIES

AER485P1: RS-485 interface for supervision systems with MODBUS protocol.
AERBACP: Ethernet communication Interface for protocols Bacnet/IP, Modbus TCP/IP, SNMP
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 unit); 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.
MULTICHILLER_EVO: Control, switch-on and switch-off system of the single chillers where multiple units are installed in parallel, always ensuring constant flow rate to the evaporators.
PGD1: Allows you to control the unit at a distance.
GP: Anti-intrusion grid.
VT: 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.

ACCESSORIES COMPATIBILITY

Model	Ver	0200	0240	0280	0300	0330	0350	0500	0550	0600	0650	0700	0750
AER485P1	A							•	•	•	•	•	•
	E	•	•	•	•	•	•	•	•	•	•	•	•
AERBACP	A							•	•	•	•	•	•
	E	•	•	•	•	•	•	•	•	•	•	•	•
AERNET	A							•	•	•	•	•	•
	E	•	•	•	•	•	•	•	•	•	•	•	•
MULTICHILLER_EVO	A							•	•	•	•	•	•
	E	•	•	•	•	•	•	•	•	•	•	•	•
PGD1	A							•	•	•	•	•	•
	E	•	•	•	•	•	•	•	•	•	•	•	•

Anti-intrusion grid

Ver	0200	0240	0280	0300	0330	0350	0500	0550	0600	0650	0700	0750
A	-	-	-	-	-	-	GP2 x 2 (1)	GP2 x 2 (1)	GP2 x 2 (1)	GP2 x 2 (1)	GP2 x 3 (1)	GP10 x 3 (1)
E	GP3	GP3	GP3	GP4	GP4	GP4	GP2 x 2 (1)	GP2 x 2 (1)	GP2 x 2 (1)	GP2 x 2 (1)	GP2 x 3 (1)	GP10 x 3 (1)

(1) x _ indicates the quantity to buy

Antivibration

Version	System side - pumps	Recovery side - pumps	0200	0240	0280
A	00	00,R1,R2,R3,R4	-	-	-
A	01,02,03,04,05,06,07,08	00	-	-	-
A	P1,P2,P3,P4	00,R1,R2,R3,R4	-	-	-
E	00,P1,P2,P3,P4	00,R1,R2,R3,R4	VT17	VT17	VT17
E	01,02,03,04,05,06,07,08	00	VT13	VT13	VT13

Version	System side - pumps	Recovery side - pumps	0300	0330	0350
A	00	00,R1,R2,R3,R4	-	-	-
A	01,02,03,04,05,06,07,08	00	-	-	-
A	P1,P2,P3,P4	00,R1,R2,R3,R4	-	-	-
E	00,P1,P2,P3,P4	00,R1,R2,R3,R4	VT17	VT17	VT17
E	01,02,03,04,05,06,07,08	00	VT13	VT13	VT13

Version	System side - pumps	Recovery side - pumps	0500	0550	0600
A	00	00,R1,R2,R3,R4	VT11	VT11	VT11
A	01,02,03,04,05,06,07,08	00	VT11	VT11	VT11
A	P1,P2,P3,P4	00,R1,R2,R3,R4	VT11	VT11	VT11
E	00	00,R1,R2,R3,R4	VT11	VT11	VT11
E	01,02,03,04,05,06,07,08	00	VT11	VT11	VT11
E	P1,P2,P3,P4	00,R1,R2,R3,R4	VT11	VT11	VT11

Version	System side - pumps	Recovery side - pumps	0650	0700	0750
A	00	00,R1,R2,R3,R4	VT11	VT22	VT23
A	01,02,03,04,05,06,07,08	00	VT11	VT22	VT23
A	P1,P2,P3,P4	00,R1,R2,R3,R4	VT11	VT22	VT23
E	00	00,R1,R2,R3,R4	VT11	VT22	VT23
E	01,02,03,04,05,06,07,08	00	VT11	VT22	VT23
E	P1,P2,P3,P4	00,R1,R2,R3,R4	VT11	VT22	VT23

- not available

Device for peak current reduction

Ver	0200	0240	0280	0300	0330	0350	0500	0550	0600	0650	0700	0750
Power supply: °												
A	-	-	-	-	-	-	DRE501 (1)	DRE551 (1)	DRE601 (1)	DRE651 (1)	DRE701 (1)	DRE751 (1)
E	DRE281 (1)	DRE281 (1)	DRE281 (1)	DRE301 (1)	DRE331 (1)	DRE351 (1)	DRE501 (1)	DRE551 (1)	DRE601 (1)	DRE651 (1)	DRE701 (1)	DRE751 (1)

(1) Only for supplies of 400V 3N ~ 50Hz and 400V 3 ~ 50Hz. x 2 or x 3 (if present) indicates the quantity to be ordered.
A grey background indicates the accessory must be assembled in the factory

Power factor correction

Ver	0200	0240	0280	0300	0330	0350	0500	0550	0600	0650	0700	0750
A	-	-	-	-	-	-	RIF52	RIF52	RIF53	RIF53	RIF53	RIF53
E	RIF54	RIF54	RIF50	RIF50	RIF50	RIF51	RIF52	RIF52	RIF53	RIF53	RIF53	RIF53

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

CONFIGURATOR

Field	Description
1,2,3	**NRP**
4,5,6,7	**Size** 0200, 0240, 0280, 0300, 0330, 0350, 0500, 0550, 0600, 0650, 0700, 0750
8	**Version**
A	High efficiency
E	Silenced high efficiency (1)
9	**System type**
2	2-pipe system
4	4-pipe system
10	**Coils**
°	Copper-aluminium
R	Copper pipes-copper fins
S	Copper pipes-Tinned copper fins
V	Copper pieps-Coated aluminium fins
11	**Fans**
°	Standard (2)
J	Inverter (3)
M	Oversized (4)
12	**Power supply**
°	400V ~ 3N 50Hz with magnet circuit breakers
1	220V ~ 3 50Hz with magnet circuit breakers (5)
13,14	**System side - pumps**
00	Without hydronic kit
01	Storage tank with low head pump
02	Storage tank with low head pump + stand-by pump
03	Storage tank with high head pump
04	Storage tank with high head pump + stand-by pump
05	Storage tank with holes for heaters and single low head pump (6)
06	Storage tank with holes for heaters and pump low head + stand-by pump (6)
07	Storage tank with holes for heaters and single high head pump (6)
08	Storage tank with holes for heaters and pump high head + stand-by pump (6)
P1	Single pump low head
P2	Pump low head + stand-by pump
P3	Single pump high head
P4	Pump high head + stand-by pump
15,16	**Recovery side - pumps**
00	Without hydronic kit
R1	Single pump low head
R2	Pump low head + stand-by pump
R3	Single pump high head
R4	Pump high head + stand-by pump

(1) The size up 0200 to 0350 are only available in the silenced versions (E)
(2) As standard in sizes fom 0500 to 0750
(3) Standard for size from 0200 to 0350 without useful static pressure, option for other sizes
(4) Available only for size from 0200 to 0350
(5) Not available for size 0750
(6) Storage tanks with holes for supplementary heaters (not provided) are sent from the factory with plastic protection caps. Before loading the system, if the installation of one or all resistances is not expected, all plastic caps must be replaced with the special caps, commonly commercially available.

PERFORMANCE SPECIFICATIONS

NRP - 2-pipe system version A

Size		0200	0240	0280	0300	0330	0350	0500	0550	0600	0650	0700	0750
Cooling system side 2-pipe system (1)													
Cooling capacity	kW	-	-	-	-	-	-	99,8	103,7	123,7	140,7	159,7	184,6
Input power	kW	-	-	-	-	-	-	32,4	36,0	44,1	50,5	55,2	64,6
Cooling total input current	A	-	-	-	-	-	-	55,0	59,0	72,0	82,0	88,0	113,0
EER	W/W	-	-	-	-	-	-	3,08	2,89	2,80	2,79	2,89	2,86
Water flow rate system side	l/h	-	-	-	-	-	-	17181	17868	21305	24225	27490	31785
Pressure drop system side	kPa	-	-	-	-	-	-	37	39	37	48	56	67
Heating system side 2-pipe system (2)													
Heating capacity	kW	-	-	-	-	-	-	106,3	112,3	137,3	152,3	173,3	205,4
Input power	kW	-	-	-	-	-	-	32,6	35,1	41,3	45,8	53,8	62,8
Heating total input current	A	-	-	-	-	-	-	55,0	59,0	72,0	82,0	88,0	113,0
COP	W/W	-	-	-	-	-	-	3,26	3,20	3,33	3,33	3,22	3,27
Water flow rate system side	l/h	-	-	-	-	-	-	18423	19466	23810	26417	30067	35629
Pressure drop system side	kPa	-	-	-	-	-	-	43	46	46	57	67	84
Heating domestic hot water side 2-pipe system (3)													
Heating capacity	kW	-	-	-	-	-	-	106,2	112,2	137,3	152,3	173,4	205,3
Input power	kW	-	-	-	-	-	-	32,5	34,9	41,3	45,7	53,5	62,3
Heating total input current	A	-	-	-	-	-	-	55,0	59,0	72,0	82,0	88,0	113,0
COP	W/W	-	-	-	-	-	-	3,27	3,21	3,32	3,34	3,24	3,29
Water flow rate domestic hot water side	l/h	-	-	-	-	-	-	18423	19466	23810	26417	30067	35629
Pressure drop domestic hot water side	kPa	-	-	-	-	-	-	30	34	51	48	35	49
Simultaneous operation (heating + cooling), 2 pipes (4)													
Cooling capacity	kW	-	-	-	-	-	-	103,3	111,3	133,8	148,5	169,2	202,7
Recovered heating power	kW	-	-	-	-	-	-	132,2	142,2	174,3	193,3	218,4	261,3
Input power	kW	-	-	-	-	-	-	30,8	32,9	43,2	48,0	52,5	63,0
Water flow rate system side	l/h	-	-	-	-	-	-	17181	17868	21305	24225	27490	31785
Pressure drop system side	kPa	-	-	-	-	-	-	37	39	37	48	56	67
Water flow rate domestic hot water side	l/h	-	-	-	-	-	-	18423	19466	23810	26417	30067	35629
Pressure drop domestic hot water side	kPa	-	-	-	-	-	-	30	34	51	48	35	49

(1) Data 14511:2022; System side water heat exchanger 12 °C/7 °C; External air 35 °C; All units are Eurovent certified
(2) Data 14511:2022; System side water heat exchanger 40 °C/ 45 °C; Outside air 7 °C d.b. / 6 °C w.b.
(3) Water exchanger to the total recovery side 40 °C / 45 °C;
(4) Water exchanger to the total recovery side * / 45 °C; Water to the system side heat exchanger * / 7 °C;

NRP - 2-pipe system version E

Size		0200	0240	0280	0300	0330	0350	0500	0550	0600	0650	0700	0750
Cooling system side 2-pipe system (1)													
Cooling capacity	kW	42,9	49,9	55,9	63,9	67,9	79,8	94,8	98,8	115,8	130,7	152,7	178,7
Input power	kW	13,9	16,5	18,9	20,8	23,2	27,0	35,2	38,9	48,3	55,5	61,9	70,6
Cooling total input current	A	28,0	33,0	38,0	41,0	45,0	52,0	60,0	64,0	79,0	91,0	99,0	120,0
EER	W/W	3,08	3,02	2,97	3,07	2,93	2,96	2,70	2,54	2,40	2,35	2,47	2,53
Water flow rate system side	l/h	7388	8591	9621	10996	11683	13745	16322	17009	19930	22507	26287	30754
Pressure drop system side	kPa	26	37	22	29	22	31	34	35	32	41	51	63
Heating system side 2-pipe system (2)													
Heating capacity	kW	46,1	53,2	60,1	75,2	80,2	84,2	106,3	112,3	137,3	152,3	173,3	205,4
Input power	kW	13,3	15,6	17,7	22,4	23,9	25,6	32,6	35,1	41,3	45,7	53,8	62,8
Heating total input current	A	28,0	33,0	38,0	41,0	45,0	52,0	60,0	64,0	79,0	91,0	99,0	120,0
COP	W/W	3,47	3,42	3,40	3,36	3,36	3,28	3,26	3,20	3,33	3,33	3,22	3,27
Water flow rate system side	l/h	7995	9211	10428	13035	13904	14599	18423	19466	23812	26417	30067	35629
Pressure drop system side	kPa	30	43	26	41	31	35	43	46	46	56	67	85
Heating domestic hot water side 2-pipe system (3)													
Heating capacity	kW	46,1	53,1	60,1	75,2	80,2	84,1	106,2	112,2	137,3	152,3	173,4	205,3
Input power	kW	13,2	15,4	17,7	22,3	24,0	25,5	32,5	34,9	41,3	45,7	53,5	62,3
Heating total input current	A	28,0	33,0	38,0	41,0	45,0	52,0	60,0	64,0	79,0	91,0	99,0	120,0
COP	W/W	3,49	3,44	3,40	3,37	3,35	3,30	3,27	3,21	3,32	3,34	3,24	3,29
Water flow rate domestic hot water side	l/h	7995	9211	10428	13035	13904	14599	18423	19466	23810	26417	30067	35629
Pressure drop domestic hot water side	kPa	13	17	21	33	38	19	30	34	51	48	35	49
Simultaneous operation (heating + cooling), 2 pipes (4)													
Cooling capacity	kW	45,6	52,4	58,3	68,9	74,0	87,1	103,3	111,4	133,9	148,5	169,2	202,7
Recovered heating power	kW	58,1	67,1	75,1	88,2	95,2	111,1	132,2	142,2	174,3	193,3	218,4	261,3
Input power	kW	13,2	15,5	17,8	20,5	22,5	25,5	30,7	32,8	43,1	47,9	52,5	62,9
Water flow rate system side	l/h	7388	8591	9621	10996	11683	13745	16322	17009	19930	22507	26287	30754
Pressure drop system side	kPa	26	37	22	29	22	31	34	35	32	41	51	63
Water flow rate domestic hot water side	l/h	7995	9211	10428	13035	13904	14599	18423	19446	23810	26417	30067	35629
Pressure drop domestic hot water side	kPa	13	17	21	33	38	19	30	34	51	48	35	49

(1) Data 14511:2022; System side water heat exchanger 12 °C/7 °C; External air 35 °C; All units are Eurovent certified
(2) Data 14511:2022; System side water heat exchanger 40 °C/ 45 °C; Outside air 7 °C d.b. / 6 °C w.b.
(3) Water exchanger to the total recovery side 40 °C / 45 °C;
(4) Water exchanger to the total recovery side * / 45 °C; Water to the system side heat exchanger * / 7 °C;

NRP - 4-pipe system version A

Size		0200	0240	0280	0300	0330	0350	0500	0550	0600	0650	0700	0750
Cooling system side 4-pipe system (1)													
Cooling capacity	kW	-	-	-	-	-	-	99,8	103,7	123,7	140,7	159,7	184,6
Input power	kW	-	-	-	-	-	-	32,4	36,0	44,1	50,5	55,2	64,6
Cooling total input current	A	-	-	-	-	-	-	55,0	59,0	72,0	82,0	88,0	113,0
EER	W/W	-	-	-	-	-	-	3,08	2,89	2,80	2,79	2,89	2,86
Water flow rate system side	l/h	-	-	-	-	-	-	17181	17868	21305	24225	27490	31785
Pressure drop system side	kPa	-	-	-	-	-	-	37	39	37	48	56	67
Heating system side 4-pipe system (2)													
Heating capacity	kW	-	-	-	-	-	-	106,2	112,2	137,3	152,3	173,4	205,3
Input power	kW	-	-	-	-	-	-	32,5	39,9	41,3	45,7	53,5	62,3
Heating total input current	A	-	-	-	-	-	-	55,0	59,0	72,0	82,0	88,0	113,0
COP	W/W	-	-	-	-	-	-	3,27	3,21	3,32	3,34	3,24	3,29
Water flow rate system side	l/h	-	-	-	-	-	-	18423	19466	23810	26417	30067	35629
Pressure drop system side	kPa	-	-	-	-	-	-	30	34	51	48	35	49
Simultaneous operation (heating + cooling), 4 pipes (3)													
Cooling capacity	kW	-	-	-	-	-	-	103,3	111,3	133,8	148,5	169,2	202,7
Recovered heating power	kW	-	-	-	-	-	-	132,2	142,2	174,3	193,3	218,4	261,3
Input power	kW	-	-	-	-	-	-	30,8	32,9	43,2	48,0	52,5	63,0
Water flow rate cold side	l/h	-	-	-	-	-	-	17181	17868	21305	24225	27490	31785
Pressure drop cold side	kPa	-	-	-	-	-	-	37	39	37	48	56	67
Water flow rate hot side	l/h	-	-	-	-	-	-	18423	19466	23810	26417	30067	35629
Pressure drop hot side	kPa	-	-	-	-	-	-	30	34	51	48	35	49

(1) Data 14511:2022; System side water heat exchanger 12 °C / 7 °C; External air 35 °C
(2) Data 14511:2022; System side water heat exchanger 40 °C/ 45 °C; Outside air 7 °C d.b. / 6 °C w.b.
(3) Water exchanger to the total recovery side * / 45 °C; Water to the system side heat exchanger * / 7 °C;

NRP - 4-pipe system version E

Size		0200	0240	0280	0300	0330	0350	0500	0550	0600	0650	0700	0750
Cooling system side 4-pipe system (1)													
Cooling capacity	kW	42,9	49,9	55,9	63,9	67,9	79,8	94,8	98,8	115,8	130,7	152,7	178,7
Input power	kW	13,9	16,5	18,9	20,8	23,2	27,0	35,2	38,9	48,3	55,5	61,9	70,6
Cooling total input current	A	28,0	33,0	38,0	41,0	45,0	52,0	60,0	64,0	79,0	91,0	99,0	120,0
EER	W/W	3,08	3,02	2,97	3,07	2,93	2,96	2,70	2,54	2,40	2,35	2,47	2,53
Water flow rate system side	l/h	7388	8591	9621	10996	11683	13745	16322	17009	19930	22507	26287	30754
Pressure drop system side	kPa	26	37	22	29	22	31	34	35	32	41	51	63
Heating system side 4-pipe system (2)													
Heating capacity	kW	46,1	53,1	60,1	75,2	80,2	84,1	106,2	112,2	137,3	152,3	173,4	205,3
Input power	kW	13,2	15,4	17,7	22,3	24,0	25,5	32,5	34,9	41,3	45,7	53,5	62,3
Heating total input current	A	28,0	33,0	38,0	41,0	45,0	52,0	60,0	64,0	79,0	91,0	99,0	120,0
COP	W/W	3,49	3,44	3,40	3,37	3,35	3,30	3,27	3,21	3,32	3,34	3,24	3,29
Water flow rate system side	l/h	7995	9211	10428	13035	13904	14599	18423	19466	23810	26417	30067	35629
Pressure drop system side	kPa	13	17	21	33	38	19	30	34	51	48	35	49
Simultaneous operation (heating + cooling), 4 pipes (3)													
Cooling capacity	kW	45,6	52,4	58,3	68,9	74,0	87,1	103,3	111,4	133,9	148,5	169,2	202,7
Recovered heating power	kW	58,1	67,1	75,1	88,2	95,2	111,1	132,2	142,2	174,3	193,3	218,4	261,3
Input power	kW	13,2	15,5	17,8	20,5	22,5	25,5	30,7	32,8	43,1	47,9	52,5	62,9
Water flow rate cold side	l/h	7388	8591	9621	10996	11683	13745	16322	17009	19930	22507	26287	30754
Pressure drop cold side	kPa	26	37	22	29	22	31	34	35	32	41	51	63
Water flow rate hot side	l/h	7995	9211	10428	13035	13904	14599	18423	19466	23810	26417	30067	35629
Pressure drop hot side	kPa	13	17	21	33	38	19	30	34	51	48	35	49

(1) Data 14511:2022; System side water heat exchanger 12 °C / 7 °C; External air 35 °C
(2) Data 14511:2022; System side water heat exchanger 40 °C/ 45 °C; Outside air 7 °C d.b. / 6 °C w.b.
(3) Water exchanger to the total recovery side * / 45 °C; Water to the system side heat exchanger * / 7 °C;

ENERGY DATA

Size			0200	0240	0280	0300	0330	0350	0500	0550	0600	0650	0700	0750
Cooling capacity with low leaving water temp (UE n° 2016/2281)														
SEER	A	W/W	-	-	-	-	-	-	3,62	3,34	3,78	3,83	3,86	3,92
	E	W/W	3,78	3,74	3,77	3,70	3,74	4,00	3,53	3,29	3,67	3,72	3,75	3,76
ηsc	A	%	-	-	-	-	-	-	141,60	130,60	148,00	150,10	151,30	153,70
	E	%	148,20	146,50	147,70	145,00	146,50	157,10	138,10	128,50	143,60	145,70	146,90	147,50
UE 813/2013 performance in average ambient conditions (average) - 35 °C - Pdesignh ≤ 400 kW (1)														
Pdesignh	A	kW	-	-	-	-	-	-	90,00	95,00	116,00	129,00	147,00	174,00
	E	kW	39,00	45,00	51,00	64,00	68,00	71,00	90,00	95,00	116,00	129,00	147,00	174,00
SCOP	A	W/W	-	-	-	-	-	-	3,53	3,50	3,60	3,68	3,55	3,60
	E	W/W	3,60	3,53	3,55	3,50	3,50	3,43	3,53	3,50	3,70	3,68	3,55	3,60
ηsh	A	%	-	-	-	-	-	-	138	137	145	144	139	141
	E	%	141	138	139	137	137	134	138	137	145	144	139	141

(1) Efficiencies for low temperature applications (35 °C)

ELECTRIC DATA

Size			0200	0240	0280	0300	0330	0350	0500	0550	0600	0650	0700	0750
Power supply: °														
Electric data														
Maximum current (FLA)	A	A	-	-	-	-	-	-	76,0	81,0	100,0	112,0	122,0	144,0
	E	A	36,0	41,0	46,0	53,0	58,0	63,0	76,0	81,0	100,0	112,0	122,0	144,0
Peak current (LRA)	A	A	-	-	-	-	-	-	214,0	220,0	232,0	243,0	261,0	320,0
	E	A	119,0	150,0	155,0	184,0	190,0	200,0	214,0	220,0	232,0	243,0	261,0	320,0

GENERAL TECHNICAL DATA

Size			0200	0240	0280	0300	0330	0350	0500	0550	0600	0650	0700	0750
Compressor														
Type	A	type	-	-	-	-	-	-	Scroll	Scroll	Scroll	Scroll	Scroll	Scroll
	E	type	Scroll											
Number	A	no.	-	-	-	-	-	-	3	3	4	4	4	4
	E	no.	2	2	2	2	2	2	3	3	4	4	4	4
Circuits	A	no.	-	-	-	-	-	-	2	2	2	2	2	2
	E	no.	2	2	2	2	2	2	2	2	2	2	2	2
Refrigerant	A,E	type	R410A											
Refrigerant charge (1)	A	kg	-	-	-	-	-	-	33,0	33,0	40,0	40,0	48,0	72,0
	E	kg	16,0	16,0	16,0	20,0	20,0	20,0	33,0	33,0	40,0	40,0	48,0	72,0
2-pipe system - System side heat exchanger (hot/cold)														
Type	A	type	-	-	-	-	-	-	Brazed plate	Brazed plate	Brazed plate	Brazed plate	Brazed plate	Brazed plate
	E	type	Brazed plate											
Number	A	no.	-	-	-	-	-	-	1	1	1	1	1	1
	E	no.	1	1	1	1	1	1	1	1	1	1	1	1
Connections (in/out)	A	Type	-	-	-	-	-	-	G.s.	G.s.	G.s.	G.s.	G.s.	G.s.
	E	Type	G.s.											
Size (in)	A	Ø	-	-	-	-	-	-	2" 1/2	2" 1/2	2" 1/2	2" 1/2	2" 1/2	3"
	E	Ø	2" 1/2	2" 1/2	2" 1/2	2" 1/2	2" 1/2	2" 1/2	2" 1/2	2" 1/2	2" 1/2	2" 1/2	2" 1/2	3"
Size (out)	A	Ø	-	-	-	-	-	-	2" 1/2	2" 1/2	2" 1/2	2" 1/2	2" 1/2	3"
	E	Ø	2" 1/2	2" 1/2	2" 1/2	2" 1/2	2" 1/2	2" 1/2	2" 1/2	2" 1/2	2" 1/2	2" 1/2	2" 1/2	3"
2-pipe system - Recovery side heat exchanger (domestic hot water)														
Type	A	type	-	-	-	-	-	-	Brazed plate	Brazed plate	Brazed plate	Brazed plate	Brazed plate	Brazed plate
	E	type	Brazed plate											
Number	A	no.	-	-	-	-	-	-	2	2	2	2	2	2
	E	no.	2	2	2	2	2	2	2	2	2	2	2	2
Manifold connection (in/out)	A	Type	-	-	-	-	-	-	-	G.s.	G.s.	G.s.	G.s.	G.s.
	E	Type	G.s.											
Manifold diameter (in)	A	Ø	-	-	-	-	-	-	2" 1/2	2" 1/2	2" 1/2	2" 1/2	2" 1/2	3"
	E	Ø	2" 1/2	2" 1/2	2" 1/2	2" 1/2	2" 1/2	2" 1/2	2" 1/2	2" 1/2	2" 1/2	2" 1/2	2" 1/2	3"
Manifold diameter (out)	A	Ø	-	-	-	-	-	-	2" 1/2	2" 1/2	2" 1/2	2" 1/2	2" 1/2	3"
	E	Ø	2" 1/2	2" 1/2	2" 1/2	2" 1/2	2" 1/2	2" 1/2	2" 1/2	2" 1/2	2" 1/2	2" 1/2	2" 1/2	3"
4-pipe system - System side heat exchanger (cold side)														
Type	A	type	-	-	-	-	-	-	Brazed plate	Brazed plate	Brazed plate	Brazed plate	Brazed plate	Brazed plate
	E	type	Brazed plate											
Number	A	no.	-	-	-	-	-	-	1	1	1	1	1	1
	E	no.	1	1	1	1	1	1	1	1	1	1	1	1
Connections (in/out)	A	Type	-	-	-	-	-	-	G.s.	G.s.	G.s.	G.s.	G.s.	G.s.
	E	Type	G.s.											
Size (in)	A	Ø	-	-	-	-	-	-	2" 1/2	2" 1/2	2" 1/2	2" 1/2	2" 1/2	3"
	E	Ø	2" 1/2	2" 1/2	2" 1/2	2" 1/2	2" 1/2	2" 1/2	2" 1/2	2" 1/2	2" 1/2	2" 1/2	2" 1/2	3"
Size (out)	A	Ø	-	-	-	-	-	-	2" 1/2	2" 1/2	2" 1/2	2" 1/2	2" 1/2	3"
	E	Ø	2" 1/2	2" 1/2	2" 1/2	2" 1/2	2" 1/2	2" 1/2	2" 1/2	2" 1/2	2" 1/2	2" 1/2	2" 1/2	3"
4-pipe system - Recovery side heat exchanger (hot side)														
Type	A	type	-	-	-	-	-	-	Brazed plate	Brazed plate	Brazed plate	Brazed plate	Brazed plate	Brazed plate
	E	type	Brazed plate											
Number	A	no.	-	-	-	-	-	-	2	2	2	2	2	2
	E	no.	2	2	2	2	2	2	2	2	2	2	2	2
Manifold connection (in/out)	A	Type	-	-	-	-	-	-	-	G.s.	G.s.	G.s.	G.s.	G.s.
	E	Type	G.s.											
Manifold diameter (in)	A	Ø	-	-	-	-	-	-	2" 1/2	2" 1/2	2" 1/2	2" 1/2	2" 1/2	3"
	E	Ø	2" 1/2	2" 1/2	2" 1/2	2" 1/2	2" 1/2	2" 1/2	2" 1/2	2" 1/2	2" 1/2	2" 1/2	2" 1/2	3"
Manifold diameter (out)	A	Ø	-	-	-	-	-	-	2" 1/2	2" 1/2	2" 1/2	2" 1/2	2" 1/2	3"
	E	Ø	2" 1/2	2" 1/2	2" 1/2	2" 1/2	2" 1/2	2" 1/2	2" 1/2	2" 1/2	2" 1/2	2" 1/2	2" 1/2	3"

(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.

G.s. = Grooved joints

FANS DATA

Size			0200	0240	0280	0300	0330	0350	0500	0550	0600	0650	0700	0750
Fans: °														
Fan														
Type	A,E	type	-	-	-	-	-	-	Axial	Axial	Axial	Axial	Axial	Axial
Number	A,E	no.	-	-	-	-	-	-	2	2	2	2	3	3
Air flow rate cooling mode	A	m^3/h	-	-	-	-	-	-	37000	37000	36500	36500	58000	48000
	E	m^3/h	-	-	-	-	-	-	20200	21100	21400	22400	31900	34600
Air flow rate heating mode	A,E	m^3/h	-	-	-	-	-	-	37000	37000	36500	36500	58000	48000

Size			0200	0240	0280	0300	0330	0350	0500	0550	0600	0650	0700	0750
Fans: J														
Fan														
Type	A	type	-	-	-	-	-	-	Axial	Axial	Axial	Axial	Axial	Axial
	E	type	Axial	Axial	Axial	Axial	Axial	Axial	Axial	Axial	Axial	Axial	Axial	Axial
Number	A	no.	-	-	-	-	-	-	2	2	2	2	3	3
	E	no.	6	6	6	8	8	8	2	2	2	2	3	3
Air flow rate cooling mode	A	m^3/h	-	-	-	-	-	-	37000	37000	36500	36500	58000	48000
	E	m^3/h	20000	20000	20000	26000	26000	26000	20200	21100	21400	22400	31900	34600
Air flow rate heating mode	A	m^3/h	-	-	-	-	-	-	37000	37000	36500	36500	58000	48000
	E	m^3/h	20000	20000	20000	26000	26000	26000	37000	37000	36500	36500	58000	48000

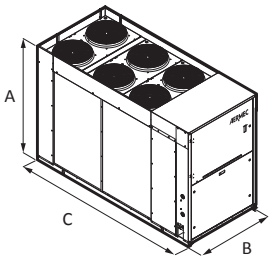
SOUND DATA

Size			0200	0240	0280	0300	0330	0350	0500	0550	0600	0650	0700	0750
Sound data calculated in cooling mode (1)														
Sound power level	A	dB(A)	-	-	-	-	-	-	82,0	82,0	82,0	83,0	85,0	85,0
	E	dB(A)	74,0	74,0	74,0	75,0	75,0	76,0	74,0	74,0	74,0	75,0	77,0	77,0
Sound pressure level (10 m)	A	dB(A)	-	-	-	-	-	-	50,0	50,0	50,0	51,0	53,0	53,0
	E	dB(A)	42,0	42,0	42,0	43,0	43,0	44,0	42,0	42,0	42,0	43,0	45,0	45,0

(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

NRP 0200 - 0280



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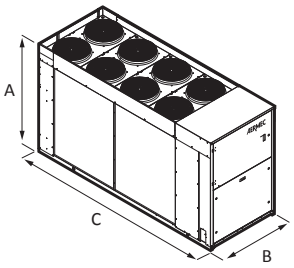
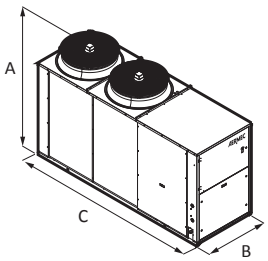
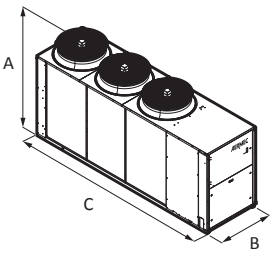


NRP 0500 - 0600



NRP 0700 - 0750



Size			0200	0240	0280	0300	0330	0350	0500	0550	0600	0650	0700	0750
Dimensions and weights														
A	A	mm	-	-	-	-	-	-	1875	1875	1875	1875	1875	1975
	E	mm	1606	1606	1606	1606	1606	1606	1875	1875	1875	1875	1875	1975
B	A	mm	-	-	-	-	-	-	1100	1100	1100	1100	1100	1500
	E	mm	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1500
C	A	mm	-	-	-	-	-	-	3342	3342	3342	3342	4342	4350
	E	mm	2700	2700	2700	3200	3200	3200	3342	3342	3342	3342	4342	4350
Empty weight	A	kg	-	-	-	-	-	-	1233	1237	1359	1378	1591	1939
	E	kg	788	790	792	862	872	894	1233	1237	1359	1378	1591	1939

■ *The weights are for standard units with plate heat exchangers and no hydronic kit.*

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