

NRP 0280 - 0750

Air-water multipurpose

Cooling capacity 12.3 ÷ 44.9 ton
Heating capacity 183,914 ÷ 660,249 BTU/h

- 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



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 5.0 °F outside air temperature in winter, and up to 114.8 °F in summer. Hot water production up to 131.0 °F (for more information refer to the selection program Magellano or dedicated documentations).

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 PCO⁵

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.

ACCESSORIES

AER485P1: RS-485 interface for supervision systems with MODBUS protocol.

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.

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	0280	0300	0330	0350	0500	0550	0600	0650	0700	0750
AER485P1	A										
	E	.	.	.	.						
AERNET	A										
	E	.	.	.	.						
PGD1	A										
	E	.	.	.	.						

Anti-intrusion grid

Ver	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	GP4	GP4	GP4	-	-	-	-	-	-

(1) x _ indicates the quantity to buy

Antivibration

Version	System side - pumps	Recovery side - pumps	0280	0300	0330
A	00,P1,P2,P3,P4	00,R1,R2,R3,R4	VT11	VT11	VT11
A	01,02,03,04	00	-	-	-
E	00,P1,P2,P3,P4	00,R1,R2,R3,R4	VT17	VT17	VT17
E	01,02,03,04	00	VT13	VT13	VT13
Version	System side - pumps	Recovery side - pumps	0350	0500	0550
A	00,P1,P2,P3,P4	00,R1,R2,R3,R4	VT11	VT11	VT11
A	01,02,03,04	00	-	VT11	VT11
E	00,P1,P2,P3,P4	00,R1,R2,R3,R4	VT17	-	-
E	01,02,03,04	00	VT13	-	-
Version	System side - pumps	Recovery side - pumps	0600	0650	0700
A	00	00,R1,R2,R3,R4	VT11	VT11	VT22
A	01,02,03,04	00	VT11	VT11	VT22
A	P1,P2,P3,P4	00,R1,R2,R3,R4	VT11	VT11	VT22
E	00	00,R1,R2,R3,R4	-	-	-
E	01,02,03,04	00	-	-	-
E	P1,P2,P3,P4	00,R1,R2,R3,R4	-	-	-
Version	System side - pumps	Recovery side - pumps	0750		
A	00	00,R1,R2,R3,R4	VT23		
A	01,02,03,04	00	VT23		
A	P1,P2,P3,P4	00,R1,R2,R3,R4	VT23		
E	00	00,R1,R2,R3,R4	-		
E	01,02,03,04	00	-		
E	P1,P2,P3,P4	00,R1,R2,R3,R4	-		

- not available

CONFIGURATOR

Field	Description
1,2,3	NRP
4,5,6,7	Size 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 pipes-Coated aluminium fins
11	Fans
J	Inverter
12	Power supply
6	230V 3 ~ 60Hz with magnet circuit breakers
7	460V 3 ~ 60Hz with magnet circuit breakers

Field	Description
8	575V 3 ~ 60Hz with magnet circuit breakers
9	208V 3 ~ 60Hz with magnet circuit breakers
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
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 0280 to 0350 are only available in the silenced versions (E)

PERFORMANCE SPECIFICATIONS

2-pipe

Size			0280	0300	0330	0350	0500	0550	0600	0650	0700	0750
Cooling system side 2-pipe system (1)												
Cooling capacity	A	ton	-	-	-	-	22.7	26.8	32.6	37.0	41.2	44.9
	E	ton	12.3	14.1	16.2	20.3	-	-	-	-	-	-
Input power	A	kW	-	-	-	-	28.4	33.7	40.6	46.3	51.8	56.0
	E	kW	15.2	17.6	20.1	25.4	-	-	-	-	-	-
EER	A	BTU/(Wh)	-	-	-	-	9.59	9.55	9.66	9.59	9.55	9.62
	E	BTU/(Wh)	9.69	9.62	9.69	9.59	-	-	-	-	-	-
Water flow rate system side	A	gpm	-	-	-	-	54.4	64.2	78.1	88.6	98.5	107.5
	E	gpm	29.5	33.8	38.8	48.5	-	-	-	-	-	-
Pressure drop system side	A	ftH ₂ O	-	-	-	-	4.7	5.7	10.7	12.0	14.7	11.0
	E	ftH ₂ O	4.0	5.0	5.0	5.7	-	-	-	-	-	-
Heating system side 2-pipe system (2)												
Heating capacity	A	BTU/h	-	-	-	-	328,248	381,819	479,406	536,389	590,642	660,249
	E	BTU/h	183,914	213,259	242,603	304,704	-	-	-	-	-	-
Input power	A	kW	-	-	-	-	31.0	36.5	46.6	51.2	56.6	63.5
	E	kW	17.2	19.9	22.7	27.3	-	-	-	-	-	-
COP	A	kW/kW	-	-	-	-	3.10	3.06	3.02	3.07	3.06	3.05
	E	kW/kW	3.13	3.14	3.14	3.27	-	-	-	-	-	-
Water flow rate system side	A	gpm	-	-	-	-	73.6	85.6	107.5	120.3	132.4	148.0
	E	gpm	41.3	47.8	54.4	68.4	-	-	-	-	-	-
Pressure drop system side	A	ftH ₂ O	-	-	-	-	8.7	10.0	20.4	22.1	26.8	21.1
	E	ftH ₂ O	8.0	10.0	10.0	11.4	-	-	-	-	-	-
Heating domestic hot water side 2-pipe system (3)												
Heating capacity	A	BTU/h	-	-	-	-	328,248	381,819	479,406	536,389	590,642	660,249
	E	BTU/h	183,914	213,259	242,603	304,704	-	-	-	-	-	-
Input power	A	kW	-	-	-	-	31.0	36.5	46.6	51.2	56.6	63.5
	E	kW	17.2	19.9	22.7	27.3	-	-	-	-	-	-
COP	A	kW/kW	-	-	-	-	3.10	3.06	3.02	3.07	3.06	3.05
	E	kW/kW	3.13	3.14	3.14	3.27	-	-	-	-	-	-
Water flow rate domestic hot water side	A	gpm	-	-	-	-	73.6	85.6	107.5	120.3	132.4	148.0
	E	gpm	41.3	47.8	54.4	68.4	-	-	-	-	-	-
Pressure drop domestic hot water side	A	ftH ₂ O	-	-	-	-	8.7	10.0	20.4	22.1	26.8	21.1
	E	ftH ₂ O	8.0	10.0	10.0	11.4	-	-	-	-	-	-
Simultaneous operation (heating + cooling), 2 pipes (4)												
Cooling capacity	A	ton	-	-	-	-	20.6	24.6	29.9	34.0	37.9	41.6
	E	ton	11.2	13.2	15.1	19.4	-	-	-	-	-	-
Recovered heating power	A	BTU/h	-	-	-	-	328,589	400,927	491,348	556,179	619,986	681,063
	E	BTU/h	181,526	214,624	246,698	312,552	-	-	-	-	-	-
Input power	A	kW	-	-	-	-	24.9	32.8	40.8	45.7	51.0	56.1
	E	kW	14.7	17.4	20.1	24.7	-	-	-	-	-	-
Water flow rate system side	A	gpm	-	-	-	-	54.4	64.2	78.1	88.6	98.5	107.5
	E	gpm	29.5	33.8	38.8	48.5	-	-	-	-	-	-
Pressure drop system side	A	ftH ₂ O	-	-	-	-	4.7	5.7	10.7	12.0	14.7	11.0
	E	ftH ₂ O	4.0	5.0	5.0	5.7	-	-	-	-	-	-
Water flow rate domestic hot water side	A	gpm	-	-	-	-	73.6	85.6	107.5	120.3	132.4	148.0
	E	gpm	41.3	47.8	54.4	68.4	-	-	-	-	-	-
Pressure drop domestic hot water side	A	ftH ₂ O	-	-	-	-	8.7	10.0	20.4	22.1	26.8	21.1
	E	ftH ₂ O	8.0	10.0	10.0	11.4	-	-	-	-	-	-
TER	A	W/W	-	-	-	-	6.77	6.23	6.11	6.18	6.18	6.17
	E	W/W	6.30	6.28	6.24	6.47	-	-	-	-	-	-

(1) Data: System side water heat exchanger 54.0 °F / 44.1 °F; External air 95 °F

(2) Data: System side water heat exchanger 104 °F / 113 °F; External air 44.6 °F

(3) Water exchanger to the total recovery side 104 °F / 113 °F;

(4) Water exchanger to the total recovery side * / 113 °F; Water to the system side heat exchanger * / 44.6 °F;

4-pipe

Size			0280	0300	0330	0350	0500	0550	0600	0650	0700	0750
Cooling system side 4-pipe system (1)												
Cooling capacity	A	ton	-	-	-	-	22.7	26.8	32.6	37.0	41.2	44.9
	E	ton	12.3	14.1	16.2	20.3	-	-	-	-	-	-
Input power	A	kW	-	-	-	-	28.4	33.7	40.6	46.3	51.8	56.0
	E	kW	15.2	17.6	20.1	25.4	-	-	-	-	-	-
EER	A	BTU/(Wh)	-	-	-	-	9.59	9.55	9.66	9.59	9.55	9.62
	E	BTU/(Wh)	9.69	9.62	9.69	9.59	-	-	-	-	-	-
Water flow rate system side	A	gpm	-	-	-	-	54.4	64.2	78.1	88.6	98.5	107.5
	E	gpm	29.5	33.8	38.8	48.5	-	-	-	-	-	-
Pressure drop system side	A	ftH ₂ O	-	-	-	-	4.7	5.7	10.7	12.0	14.7	11.0
	E	ftH ₂ O	4.0	5.0	5.0	5.7	-	-	-	-	-	-
Heating system side 4-pipe system (2)												
Heating capacity	A	BTU/h	-	-	-	-	328,248	381,819	479,406	536,389	590,642	660,249
	E	BTU/h	183,914	213,259	242,603	304,704	-	-	-	-	-	-
Input power	A	kW	-	-	-	-	31.0	36.5	46.6	51.2	56.6	63.5
	E	kW	17.2	19.9	22.7	27.3	-	-	-	-	-	-
COP	A	kW/kW	-	-	-	-	3.10	3.06	3.02	3.07	3.06	3.05
	E	kW/kW	3.13	3.14	3.14	3.27	-	-	-	-	-	-
Water flow rate system side	A	gpm	-	-	-	-	73.6	85.6	107.5	120.3	132.4	148.0
	E	gpm	41.3	47.8	54.4	68.4	-	-	-	-	-	-
Pressure drop system side	A	ftH ₂ O	-	-	-	-	8.7	10.0	20.4	22.1	26.8	21.1
	E	ftH ₂ O	8.0	10.0	10.0	11.4	-	-	-	-	-	-
Simultaneous operation (heating + cooling), 4 pipes (3)												
Cooling capacity	A	ton	-	-	-	-	20.6	24.6	29.9	34.0	37.9	41.6
	E	ton	11.2	13.2	15.1	19.4	-	-	-	-	-	-
Recovered heating power	A	BTU/h	-	-	-	-	328,589	400,927	491,348	556,179	619,986	681,063
	E	BTU/h	181,526	214,624	246,698	312,552	-	-	-	-	-	-
Input power	A	kW	-	-	-	-	24.9	32.8	40.8	45.7	51.0	56.1
	E	kW	14.7	17.4	20.1	24.7	-	-	-	-	-	-
Water flow rate cold side	A	gpm	-	-	-	-	54.4	64.2	78.1	88.6	98.5	107.5
	E	gpm	29.5	33.8	38.8	48.5	-	-	-	-	-	-
Pressure drop cold side	A	ftH ₂ O	-	-	-	-	4.7	5.7	10.7	12.0	14.7	11.0
	E	ftH ₂ O	4.0	5.0	5.0	5.7	-	-	-	-	-	-
Water flow rate hot side	A	gpm	-	-	-	-	73.6	85.6	107.5	120.3	132.4	148.0
	E	gpm	41.3	47.8	54.4	68.4	-	-	-	-	-	-
Pressure drop hot side	A	ftH ₂ O	-	-	-	-	8.7	10.0	20.4	22.1	26.8	21.1
	E	ftH ₂ O	8.0	10.0	10.0	11.4	-	-	-	-	-	-
TER	A	W/W	-	-	-	-	6.77	6.23	6.11	6.18	6.18	6.17
	E	W/W	6.30	6.28	6.24	6.47	-	-	-	-	-	-

(1) Data: System side water heat exchanger 54.0 °F / 44.1 °F; External air 95 °F

(2) Data: Heat exchanger water (services side) 104 °F / 113 °F; outside air 44.6 °F b.s. / 42.8 °F b.u.

(3) Water exchanger to the total recovery side * / 113 °F; Water to the system side heat exchanger * / 44.6 °F;

ELECTRIC DATA

Power supply 460V-3-60Hz

	Version	System side - pumps	Recovery side - pumps		0280	0300	0330	0350	0500	0550	0600	0650	0700	0750
Peak current (LRA)	A	00	00	A	-	-	-	-	187.0	196.0	192.0	221.0	230.0	270.0
	A	00	R1/R2	A	-	-	-	-	190.0	200.0	198.0	227.0	236.0	276.0
	A	00	R3/R4	A	-	-	-	-	191.0	202.0	199.0	228.0	237.0	277.0
	A	01/02/P1/P2	00	A	-	-	-	-	190.0	199.0	195.0	227.0	236.0	276.0
	A	01/02/03/04	R1/R2/R3/R4	A	-	-	-	-	-	-	-	-	-	-
	A	03/04/P3/P4	00	A	-	-	-	-	191.0	200.0	196.0	228.0	237.0	277.0
	A	P1/P2	R1/R2	A	-	-	-	-	193.0	203.0	200.0	232.0	241.0	281.0
	A	P1/P2	R3/R4	A	-	-	-	-	194.0	204.0	202.0	233.0	242.0	282.0
	A	P3/P4	R1/R2	A	-	-	-	-	194.0	204.0	202.0	233.0	242.0	282.0
	A	P3/P4	R3/R4	A	-	-	-	-	195.0	206.0	203.0	234.0	243.0	283.0
	E	00	00	A	131.0	156.0	160.0	189.0	-	-	-	-	-	-
	E	00	R1/R2	A	133.0	158.0	162.0	191.0	-	-	-	-	-	-
	E	01/02/P1/P2	00	A	133.0	158.0	162.0	191.0	-	-	-	-	-	-
	E	00	R3/R4	A	135.0	160.0	164.0	193.0	-	-	-	-	-	-
	E	03/04	00	A	135.0	160.0	164.0	193.0	-	-	-	-	-	-
	E	P1/P2	R1/R2	A	135.0	160.0	164.0	193.0	-	-	-	-	-	-
	E	P3/P4	00	A	135.0	160.0	164.0	193.0	-	-	-	-	-	-
	E	01/02/03/04	R1/R2/R3/R4	A	-	-	-	-	-	-	-	-	-	-
	E	P1/P2	R3/R4	A	137.0	162.0	166.0	195.0	-	-	-	-	-	-
	E	P3/P4	R1/R2	A	137.0	162.0	166.0	195.0	-	-	-	-	-	-
	E	P3/P4	R3/R4	A	139.0	164.0	168.0	197.0	-	-	-	-	-	-
Minimum cir- cuit amperage (MCA)	A	00	00	A	-	-	-	-	64.0	74.0	90.0	100.0	109.0	122.0
	A	00	R1/R2	A	-	-	-	-	67.0	78.0	96.0	106.0	115.0	128.0
	A	00	R3/R4	A	-	-	-	-	68.0	80.0	97.0	107.0	116.0	129.0
	A	01/02/P1/P2	00	A	-	-	-	-	67.0	77.0	93.0	106.0	115.0	128.0
	A	01/02/03/04	R1/R2/R3/R4	A	-	-	-	-	-	-	-	-	-	-
	A	03/04/P3/P4	00	A	-	-	-	-	68.0	78.0	94.0	107.0	116.0	129.0
	A	P1/P2	R1/R2	A	-	-	-	-	70.0	81.0	98.0	111.0	120.0	133.0
	A	P1/P2	R3/R4	A	-	-	-	-	71.0	82.0	100.0	112.0	121.0	134.0
	A	P3/P4	R1/R2	A	-	-	-	-	71.0	82.0	100.0	112.0	121.0	134.0
	A	P3/P4	R3/R4	A	-	-	-	-	72.0	84.0	101.0	113.0	122.0	135.0
	E	00	00	A	46.0	53.0	58.0	68.0	-	-	-	-	-	-
	E	00	R1/R2	A	48.0	55.0	60.0	70.0	-	-	-	-	-	-
	E	01/02/P1/P2	00	A	48.0	55.0	60.0	70.0	-	-	-	-	-	-
	E	00	R3/R4	A	50.0	57.0	62.0	72.0	-	-	-	-	-	-
	E	03/04	00	A	50.0	57.0	62.0	72.0	-	-	-	-	-	-
	E	P1/P2	R1/R2	A	50.0	57.0	62.0	72.0	-	-	-	-	-	-
	E	P3/P4	00	A	50.0	57.0	62.0	72.0	-	-	-	-	-	-
	E	01/02/03/04	R1/R2/R3/R4	A	-	-	-	-	-	-	-	-	-	-
	E	P1/P2	R3/R4	A	52.0	59.0	64.0	74.0	-	-	-	-	-	-
	E	P3/P4	R1/R2	A	52.0	59.0	64.0	74.0	-	-	-	-	-	-
	E	P3/P4	R3/R4	A	54.0	61.0	66.0	76.0	-	-	-	-	-	-
Maximum overcurrent permitted by the protection device (MOP)	A	00	00	A	-	-	-	-	86.0	96.0	108.0	123.0	132.0	148.0
	A	00	R1/R2	A	-	-	-	-	89.0	100.0	114.0	129.0	138.0	154.0
	A	00	R3/R4	A	-	-	-	-	90.0	102.0	115.0	130.0	139.0	155.0
	A	01/02/P1/P2	00	A	-	-	-	-	89.0	99.0	111.0	129.0	138.0	154.0
	A	01/02/03/04	R1/R2/R3/R4	A	-	-	-	-	-	-	-	-	-	-
	A	03/04/P3/P4	00	A	-	-	-	-	90.0	100.0	112.0	130.0	139.0	155.0
	A	P1/P2	R1/R2	A	-	-	-	-	92.0	103.0	116.0	134.0	143.0	159.0
	A	P1/P2	R3/R4	A	-	-	-	-	93.0	104.0	118.0	135.0	144.0	160.0
	A	P3/P4	R1/R2	A	-	-	-	-	93.0	104.0	118.0	135.0	144.0	160.0
	A	P3/P4	R3/R4	A	-	-	-	-	94.0	106.0	119.0	136.0	145.0	161.0
	E	00	00	A	59.0	71.0	76.0	90.0	-	-	-	-	-	-
	E	00	R1/R2	A	61.0	73.0	78.0	92.0	-	-	-	-	-	-
	E	01/02/P1/P2	00	A	61.0	73.0	78.0	92.0	-	-	-	-	-	-
	E	00	R3/R4	A	63.0	75.0	80.0	94.0	-	-	-	-	-	-
	E	03/04	00	A	63.0	75.0	80.0	94.0	-	-	-	-	-	-
	E	P1/P2	R1/R2	A	63.0	75.0	80.0	94.0	-	-	-	-	-	-
	E	P3/P4	00	A	63.0	75.0	80.0	94.0	-	-	-	-	-	-
	E	01/02/03/04	R1/R2/R3/R4	A	-	-	-	-	-	-	-	-	-	-
	E	P1/P2	R3/R4	A	65.0	77.0	82.0	96.0	-	-	-	-	-	-
	E	P3/P4	R1/R2	A	65.0	77.0	82.0	96.0	-	-	-	-	-	-
	E	P3/P4	R3/R4	A	67.0	79.0	84.0	98.0	-	-	-	-	-	-

- not available

GENERAL TECHNICAL DATA

Size			0280	0300	0330	0350	0500	0550	0600	0650	0700	0750
Compressor												
Type	A,E	type					3	3	4	4	4	4
Number	A	no.	-	-	-	-	-	-	-	-	-	-
	E	no.	2	2	2	2	-	-	-	-	-	-
Circuits	A	no.	-	-	-	-	2	2	2	2	2	2
	E	no.	2	2	2	2	-	-	-	-	-	-
Refrigerant	A,E	type										
	A	lbs	-	-	-	-	35.3	37.5	48.5	46.3	-(2)	-(2)
Refrigerant load circuit 2 (1)	E	lbs	-(2)	-(2)	-(2)	34.4	-	-	-	-	-	-
Refrigerant load circuit 1 (1)	A	lbs	-	-	-	-	38.6	41.9	48.5	46.3	-(2)	-(2)
	E	lbs	-(2)	-(2)	-(2)	34.4	-	-	-	-	-	-
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	Brazed plate	Brazed plate	Brazed plate	-	-	-	-	-	-
Sizes (in/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-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	Brazed plate	Brazed plate	Brazed plate	-	-	-	-	-	-
Number	A	no.	-	-	-	-	2	2	2	2	2	2
	E	no.	2	2	2	2	-	-	-	-	-	-
Sizes (in/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	-	-	-	-	-	-
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	Brazed plate	Brazed plate	Brazed plate	-	-	-	-	-	-
Number	A	no.	-	-	-	-	1	1	1	1	1	1
	E	no.	1	1	1	1	-	-	-	-	-	-
Sizes (in/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	-	-	-	-	-	-
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	Brazed plate	Brazed plate	Brazed plate	-	-	-	-	-	-
Number	A	no.	-	-	-	-	2	2	2	2	2	2
	E	no.	2	2	2	2	-	-	-	-	-	-
Sizes (in/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	-	-	-	-	-	-

(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.

(2) Contact the factory

FANS DATA

Size			0280	0300	0330	0350	0500	0550	0600	0650	0700	0750
Fan												
Type	A,E	type	Axial	Axial	Axial	Axial	Axial	Axial	Axial	Axial	Axial	Axial
Fan motor	A,E	type	Inverter	Inverter	Inverter	Inverter	Inverter	Inverter	Inverter	Inverter	Inverter	Inverter
Number	A	no.	-	-	-	-	2	2	3	3	3	4
	E	no.	8	8	8	8	-	-	-	-	-	-
Air flow rate	A	cfm	-	-	-	-	26,485	26,485	40,023	40,023	40,023	54,149
	E	cfm	25,897	25,897	25,897	24,132	-	-	-	-	-	-

SOUND DATA

COOLING

Size			0280	0300	0330	0350	0500	0550	0600	0650	0700	0750
Sound data calculated in cooling mode (1)												
Sound power level	A	dB(A)	-	-	-	-	83	84	85	86	86	86
	E	dB(A)	74	75	77	78	-	-	-	-	-	-
Sound pressure level (10 m / 33 ft)	A	dB(A)	-	-	-	-	51	52	53	54	54	54
	E	dB(A)	42	43	45	46	-	-	-	-	-	-
Sound pressure level (1 m / 3.3 ft)	A	dB(A)	-	-	-	-	63	64	65	66	66	66
	E	dB(A)	54	55	57	58	-	-	-	-	-	-

(1) Sound power calculated on the basis of measurements made in accordance with UNI EN ISO 9614-2. Sound pressure (cold functioning) measured in free field, 10 m / 33 ft away from the unit external surface (in compliance with UNI EN ISO 3744).

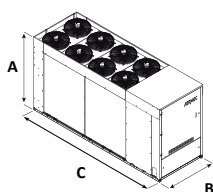
HEATING

Size			0280	0300	0330	0350	0500	0550	0600	0650	0700	0750
Sound data calculated in heating mode (1)												
Sound power level	A	dB(A)	-	-	-	-	83	84	85	86	86	87
	E	dB(A)	74	76	77	78	-	-	-	-	-	-
Sound pressure level (10 m / 33 ft)	A	dB(A)	-	-	-	-	51	52	53	54	54	55
	E	dB(A)	42	44	45	46	-	-	-	-	-	-
Sound pressure level (1 m / 3.3 ft)	A	dB(A)	-	-	-	-	63	64	65	66	66	67
	E	dB(A)	54	56	57	58	-	-	-	-	-	-

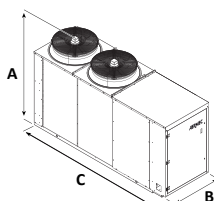
(1) Sound power calculated on the basis of measurements made in accordance with UNI EN ISO 9614-2. Sound pressure (cold functioning) measured in free field, 10 m / 33 ft away from the unit external surface (in compliance with UNI EN ISO 3744).

DIMENSIONS

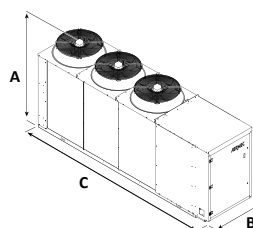
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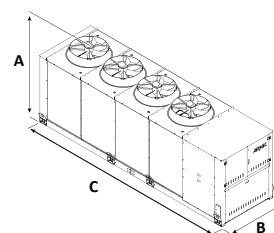
NRP 0500-0550



NRP 0600-0650-0700



NRP 0750



Size			0280	0300	0330	0350	0500	0550	0600	0650	0700	0750
Dimensions and weights												
A	A	in	-	-	-	-	73.8	73.8	73.8	73.8	73.8	73.8
	E	in	63.2	63.2	63.2	63.2	-	-	-	-	-	-
B	A	in	-	-	-	-	43.3	43.3	43.3	43.3	43.3	59.1
	E	in	43.3	43.3	43.3	43.3	-	-	-	-	-	-
C	A	in	-	-	-	-	131.6	131.6	170.9	170.9	170.9	210.8
	E	in	126.0	126.0	126.0	126.0	-	-	-	-	-	-
Weights												
Empty weight	A	lbs	-	-	-	-	2,465	2,571	3,210	3,263	3,406	4,932
	E	lbs	1,949	2,004	2,061	2,244	-	-	-	-	-	-

■ The weights are for standard units without any hydronic kit.

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.

Aermec S.p.A.
Via Roma, 996 - 37040 Bevilacqua (VR) - Italia
Tel. 0442633111 - Telefax 044293577
www.aermec.com