

NRP

MULTIPURPOSE HEAT PUMPS
2 AND 4-PIPE SYSTEMS
PLUS PRODUCTION OF DOMESTIC HOT WATER



Multipurpose air cooled units with axial fans.
For external installation. High efficiency version.



MULTIPURPOSE NRP

The NRP series from Aermec. A value choice.

The NRP series represents for Aermec an entry into the world of heat pump units of the multipurpose type: units that allow simultaneous production of chilled water and hot water in the most versatile and efficient way.

The NRP Multipurpose heat pump is capable of satisfying simultaneously and independently all the requirements for cooling, heating and production of domestic hot water. All this in the most rational and efficient way: the multipurpose heat pump units are the most efficient current technology because they extract the maximum recovery of heat of condensation; heat that would otherwise be rejected to the external ambient.

The NRP heat pumps are therefore the units most suitable for 4 pipe systems (simultaneous demands for heating and cooling) and for 2 pipe systems + domestic hot water (simultaneous heating and production of domestic hot water; simultaneous cooling and production of domestic hot water).



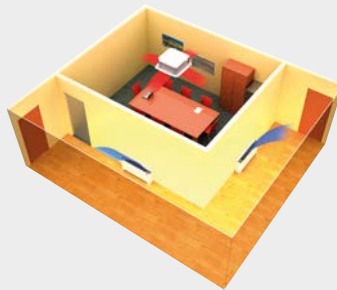
The ideal solution for public and residential buildings.

NRP is the most rational and efficient choice for all buildings that typically have heating capacity and cooling capacity demands for the whole year, such as: hospitals, hotels, and buildings for residential use. The NRP Multipurpose heat pump is the most convenient solution from an energy saving point of view for both 4 pipe systems and 2 pipe systems with domestic hot water production. The following graphs show the results obtained in different Italian geographical locations and for various system installations (4 pipe system for offices – 2 pipe system + domestic hot water for hotels). The results are extraordinary: the Aermec NRP multipurpose technology is shown as the most economical and environmentally friendly.

Energy Saving Calculation for a 4 pipe system office building

Energy bill for an office 4 pipe system case (% €)

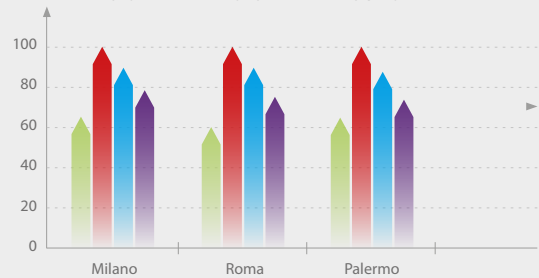
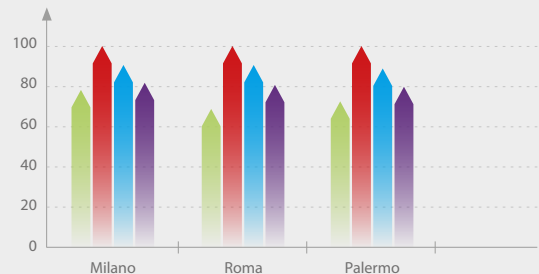
The results show a significant saving on the energy bill even compared to a chiller with heat recovery + condensing boiler.



Primary energy consumption for an office 4 pipe system case (% kWh)

The primary energy savings are significant and ensure total environmental friendliness.

- Aermec NRP Multipurpose
- Chiller + boiler
- Chiller with desuperheater + boiler
- Chiller with total heat recovery + boiler



Energy Saving Calculation for a 2 pipe system + Domestic Hot Water

Energy bill for a hotel 2 pipe system + domestic hot water (% €)

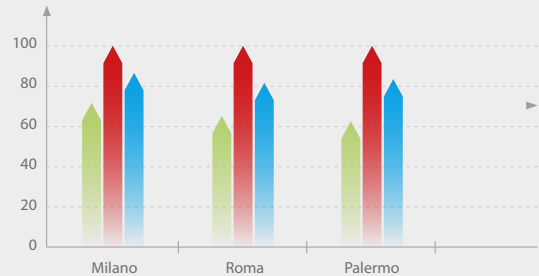
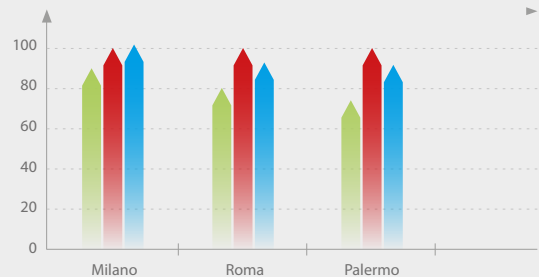
The Aermec NRP Multipurpose series also provides the best in the lodging sector, where space cooling and heating needs are added to by a high demand for domestic hot water production.



Primary energy consumption for a hotel 2 pipe system + domestic hot water (% kWh)

Even in the lodging sector the most environmentally friendly choice is the Aermec NRP technology.

- Aermec NRP Multipurpose
- Chiller + boiler
- Heat pump + boiler

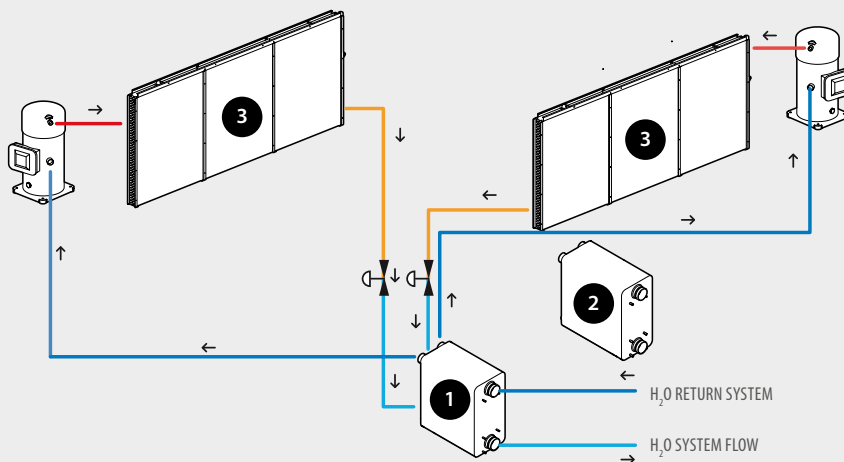


Description of operation

The NRP Multipurpose operating schematics are detailed for various 2 pipe and 4 pipe systems. Exchanger available: fit plate and shell&tube.

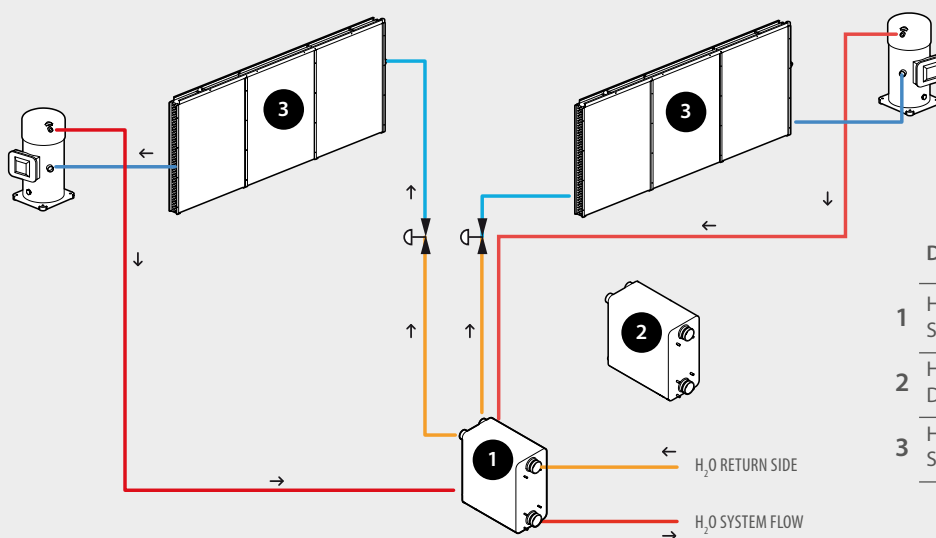
Basic operating production for 2-pipe system+ HDW

Cold water production only to system



Description	Functioning
1 Heat exchanger SYSTEM SIDE	(EVAPORATION) cold water production
2 Heat exchanger DHW SIDE	not running
3 Heat exchanger SOURCE SIDE	(CONDENSATION) heat exchange with air

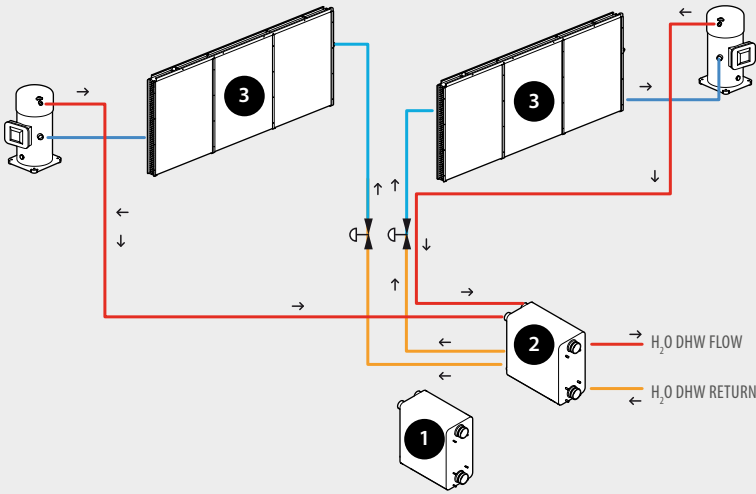
Hot water production only to system



Description	Functioning
1 Heat exchanger SYSTEM SIDE	(CONDENSATION) hot water production
2 Heat exchanger DHW SIDE	not running
3 Heat exchanger SOURCE SIDE	(EVAPORATION) heat exchange with air

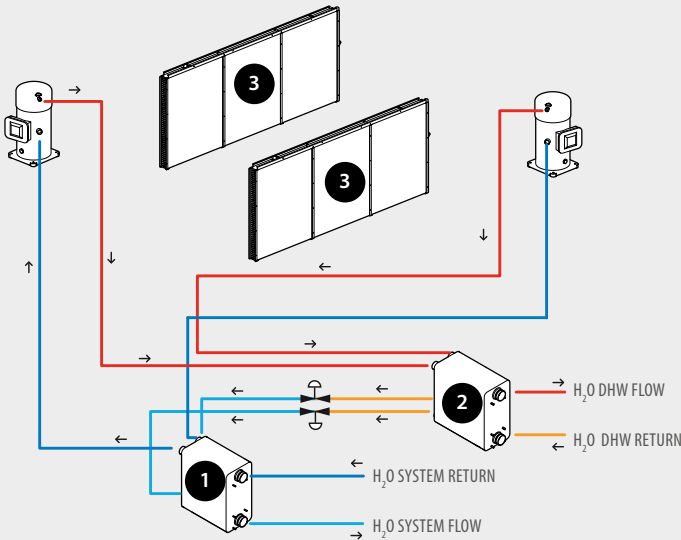
Basic operating production for 2-pipe system+ HDW

Production hot water only to DHW



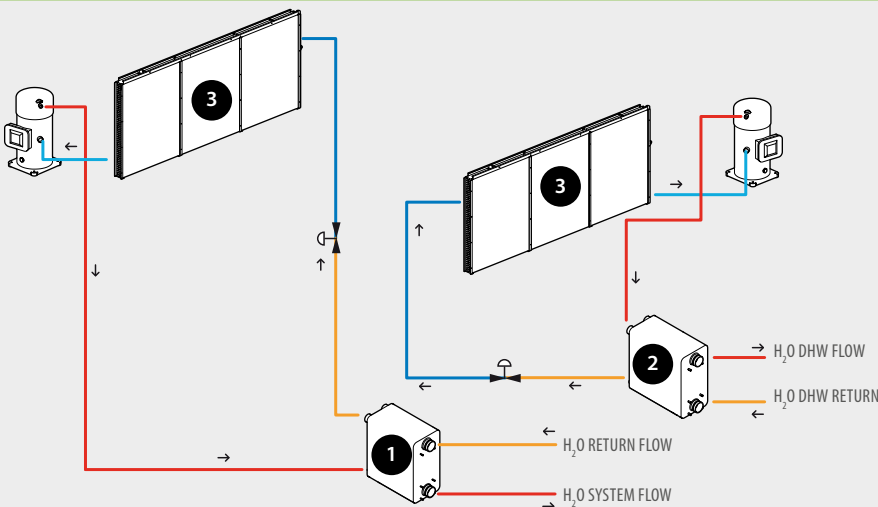
Description	Functioning
1 Heat exchanger SYSTEM SIDE	not running
2 Heat exchanger DHW SIDE	(CONDENSATION) DHW production
3 Heat exchanger SOURCE SIDE	(EVAPORATION) Heat exchange with air

Production cold water to system and hot water to DHW



Description	Functioning
1 Heat exchanger SYSTEM SIDE	(EVAPORATION) cold water production
2 Heat exchanger DHW SIDE	(CONDENSATION) DHW production
3 Heat exchanger SOURCE SIDE	not running

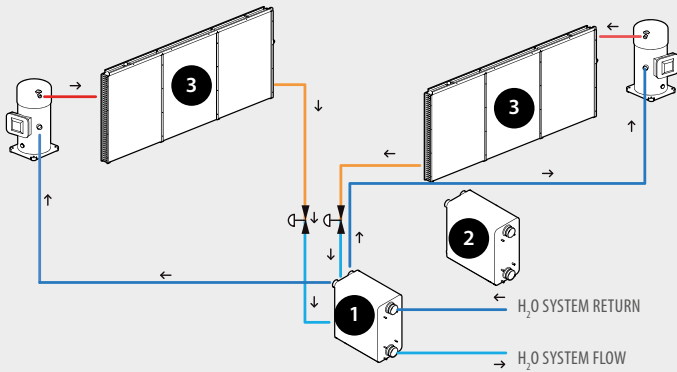
Production hot water to system and hot water to DHW



Description	Functioning
1 Heat exchanger SYSTEM SIDE	(CONDENSATION) hot water production
2 Heat exchanger DHW SIDE	(CONDENSAZIONE) DHW production
3 Heat exchanger SOURCE SIDE	(EVAPORAZIONE) heat exchange with air

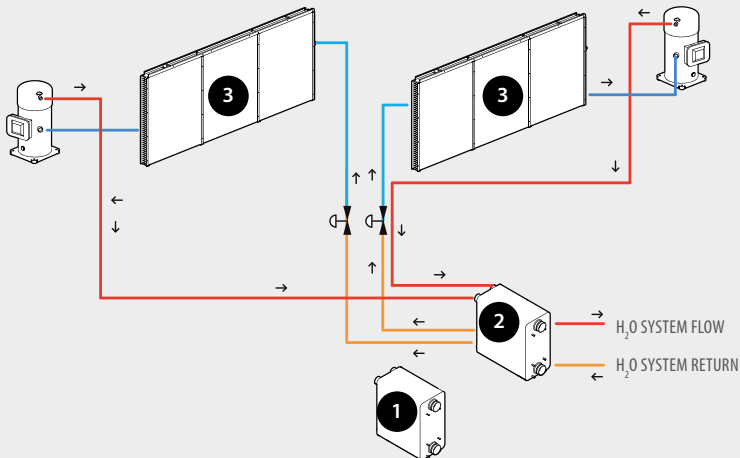
Basic operating layout for 4-pipe system

Cold water production only to system



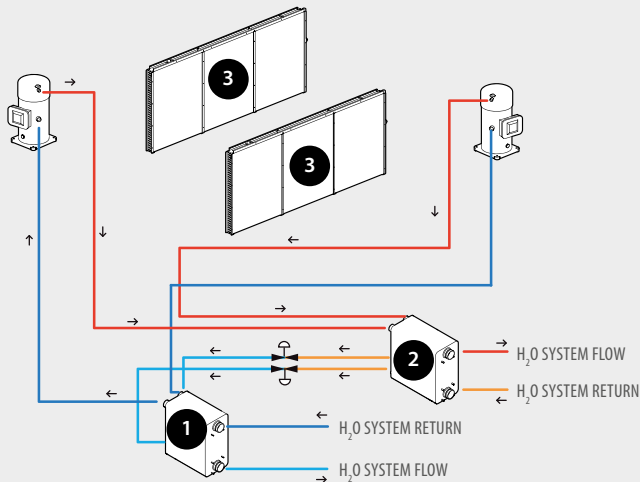
	Description	Functioning
1	Heat exchanger COOLING SIDE	(EVAPORATION) cold water production
2	Heat exchanger HEATING SIDE	not running
3	Heat exchanger SOURCE SIDE	(CONDENSATION) heat exchange with air

Hot water production only to system



	Description	Functioning
1	Exchanger COOLING SIDE	not running
2	Exchanger HEATING SIDE	(CONDENSATION) hot water production
3	Heat exchanger SOURCE SIDE	(EVAPORATION) heat exchange with air

Simultaneous hot and cold water production to system



	Description	Functioning
1	Exchanger COOLING SIDE	(EVAPORATION) cold water production
2	Exchanger HEATING SIDE	(CONDENSATION) hot water production
3	Heat Exchanger SOURCE EXCHANGER	not running

TER is the new name for energy efficiency

TER
TOTAL
EFFICIENCY
RATIO

$$= (\text{Heating Capacity} + \text{Cooling Capacity}) / \text{Electrical Power Input}$$

Looking at the technical data for the NRP series it can be seen that the TER values are significantly higher than the values for COP and EER: this demonstrates the overall very high efficiency that a multipurpose heat pump unit can achieve compared to a traditional heat pump without heat recovery. The project designer (in close collaboration with the architect) can therefore achieve the maximum energy savings, optimally balancing the heating and cooling needs for the system installation.



In this example (referring to unit size NRP 1250) the total energy ratio is:

$$\text{TER} = (434 + 339) / 102 = 7,58 (*)$$

(*) Note this high value compared to traditional heat pump COP and EER values.

Technical features

NRP is the range of multipurpose external units operating on refrigerant R410A, 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.

Range:

- Refrigerant R410A.
- 2 refrigerant circuits.
- High efficiency even at part load.
- NRP, for the sizes from 0800 to 1800, fit plate exchanger but we can even supply **shell&tube version on demand**. For further information, please refer to specific literature.
- Heat exchangers optimised to benefit from the excellent heat transfer characteristics of R410A.
- High efficiency scroll compressors.
- Axial fans with low sound level.
- Extremely solid structure with anti-corrosion polyester paint.
- Extended operating limits in heat pump operation:
 - Maximum leaving water temperature 55 °C.
 - External air temperature from -15 °C to 42 °C.
- Units fitted as standard with fan speed controller (DCPX), which permits operation in the winter with external temperatures down to -10 °C, and in heating mode with external temperatures up to 42 °C.
- Available versions:
 - "A" High efficiency heat pump.
 - "E" High efficiency low noise heat pump.
- Fans:
 - "S" Standard.
 - "M" High static pressure.
 - "J" Inverter.
- Options for integrated hydronic modules with pumps, buffer tank, water filter, flow switch, expansion tank.
- Microprocessor controls.

Accessories

- **AER485P1**: RS-485 interface for supervising 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.
- **MULTICHILLER_EVO**: Control system to switch the individual chillers on and off, and command them, in a system in which several units are installed in parallel, always ensuring a constant delivery to the exchanger.
- **PGD1**: Simplified remote panel. Allows control of basic unit functions and alarm notification. Remote mounted up to 500 m away with TWISTED PAIR SCREENED cable and TCONN6J000.
- **GP**: Protection grille protects the external coil from accidental damage.
- **AVX**: Anti-vibration mounts to be installed under the base of the unit. Available for sizes NRP 0800-1800.
- **VT**: Anti-vibration mounts to be installed under the base of the unit. Available for sizes NRP 0200-0750.

Accessories factory fitted only

- **DRE**: Electronic soft starter which reduces starting current by about 26%. Available only with 400V power supply.
- **RIF**: Power factor correction. Connected in parallel to the motor allowing about 10% reduction of input current.

Technical data - NRP 0200-0750

NRP Multipurpose for 2-pipe system*		0200	0240	0280	0300	0330	0350	0500	0550	0600	0650	0700	0750	
		V/Ph/Hz						400V/3N/50Hz						
Cooling system side (A)														
12°C/7°C	Cooling capacity	(1) kW	/	/	/	/	/	99,8	103,7	123,7	140,7	159,7	184,6	
	Total input power	(1) kW	/	/	/	/	/	32,4	36,0	44,1	50,5	55,2	64,6	
	EER	(1)	/	/	/	/	/	3,08	2,89	2,80	2,79	2,89	2,86	
	η _{sc}	%	/	/	/	/	/	141,6	130,6	148,0	150,1	151,3	153,7	
	SEER	(1)	/	/	/	/	/	3,62	3,34	3,78	3,83	3,86	3,92	
	Water flow rate	(1) l/h	/	/	/	/	/	17181	17868	21304	24225	27489	31785	
	Pressure drop	(1) kPa	/	/	/	/	/	37	39	37	48	56	67	
Cooling system side (E)														
12°C/7°C	Cooling capacity	(1) 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
	Total input power	(1) 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
	EER	(1)	3,08	3,02	2,97	3,07	2,93	2,96	2,70	2,54	2,40	2,35	2,47	2,53
	η _{sc}	%	148,2	146,5	147,7	145,0	146,5	157,1	138,1	128,5	143,6	145,7	146,9	147,5
	SEER	(1)	3,78	3,74	3,77	3,70	3,74	4,00	3,53	3,29	3,67	3,72	3,75	3,76
	Water flow rate	(1) l/h	7387	8590	9621	10995	11683	13744	16322	17009	19930	22507	26287	30754
	Pressure drop	(1) kPa	26	37	22	29	22	31	34	35	32	41	51	63
Heating system side (A) (E)														
40°C/45°C	Heating capacity	(2) 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
	Total input power	(2) 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
	COP	(2)	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	(2) l/h	7994	9211	10427	13034	13903	14599	18422	19465	23810	26417	30067	35628
	Pressure drop	(2) kPa	30	43	26	41	31	35	43	46	46	56	67	85
Heating DHW side (A) (E)														
40°C/45°C	Heating capacity	(3) 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
	Total input power	(3) 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
	COP	(3)	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	(3) l/h	7994	9211	10427	13034	13903	14599	18422	19465	23810	26417	30067	35628
	Pressure drop	(3) kPa	13	17	21	33	38	19	30	34	51	48	35	49
Performance under average climatic conditions (Average) Efficiency Energy Class in according to regulation n°811/2013 Pdesignh ≤ 70kW														
Pdesignh			39	45	51	64	68	71	90	95	116	129	147	174
SCOP			3,60	3,53	3,55	3,50	3,50	3,42	3,52	3,50	3,70	3,67	3,55	3,45
η _s			141	138	139	137	137	134	138	137	145	144	139	141
Efficiency Energy Class			A+	A+	A+	A+	A+	/	/	/	/	/	/	/
Cooling with recovery for versions (A) (E)														
40°C/45°C - 7°C/12°C	Cooling capacity	(4) kW	45,7	52,6	58,4	69,0	74,1	87,3	103,5	111,6	134,1	148,8	169,6	203,1
	Recovered power	(4) 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
	Total input power	(4) kW	13,1	15,3	17,7	20,3	22,4	25,2	30,4	32,4	42,7	47,3	51,7	61,9
	Water flow rate system side	(4) l/h	7387	8590	9621	10995	11683	13744	16322	17009	19930	22507	26287	30754
	Pressure drop	(4) kPa	26	37	22	29	22	31	34	35	32	41	51	63
	Water flow rate DHW side	(4) l/h	7994	9211	10427	13034	13903	14599	18422	19465	23810	26417	30067	35628
	Pressure drop	(4) kPa	13	17	21	33	38	19	30	34	51	48	35	49
	TER	W/W	7,93	7,81	7,56	7,75	7,57	7,87	7,76	7,83	7,22	7,24	7,51	7,50
	NRP Multipurpose for 4-pipe system													
Cooling system side (A)														
12°C/7°C	Cooling capacity	(1) kW	/	/	/	/	/	99,8	103,7	123,7	140,7	159,7	184,6	
	Total input power	(1) kW	/	/	/	/	/	32,4	36,0	44,1	50,5	55,2	64,6	
	EER	(1)	/	/	/	/	/	3,08	2,89	2,80	2,79	2,89	2,86	
	η _{sc}	%	/	/	/	/	/	141,6	130,6	148,0	150,1	151,3	153,7	
	SEER	(1)	/	/	/	/	/	3,62	3,34	3,78	3,83	3,86	3,92	
	Water flow rate	(1) l/h	/	/	/	/	/	17181	17868	21304	24225	27489	31785	
	Pressure drop	(1) kPa	/	/	/	/	/	37	39	37	48	56	67	
Cooling system side (E)														
12°C/7°C	Cooling capacity	(1) 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
	Total input power	(1) 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
	EER	(1)	3,08	3,02	2,97	3,07	2,93	2,96	2,70	2,54	2,40	2,35	2,47	2,53
	η _{sc}	%	148,2	146,5	147,7	145,0	146,5	157,1	138,1	128,5	143,6	145,7	146,9	147,5
	SEER	(1)	3,78	3,74	3,77	3,70	3,74	4,00	3,53	3,29	3,67	3,72	3,75	3,76
	Water flow rate	(1) l/h	7387	8590	9621	10995	11683	13744	16322	17009	19930	22507	26287	30754
	Pressure drop	(1) kPa	26	37	22	29	22	31	34	35	32	41	51	63
Heating system side (A) (E)														
40°C/45°C	Heating capacity	(3) 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
	Total input power	(3) 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
	COP	(3)	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	(3) l/h	7994	9211	10427	13034	13903	14599	18422	19465	23810	26417	30067	35628
	Pressure drop	(3) kPa	13	17	21	33	38	19	30	34	51	48	35	49
Performance under average climatic conditions (Average) Efficiency Energy Class in according to regulation n°811/2013 Pdesignh ≤ 70kW														
Pdesignh			39	45	51	64	68	71	90	95	116	129	147	174
SCOP			3,60	3,53	3,55	3,50	3,50	3,42	3,52	3,50	3,70	3,67	3,55	3,45
η _s			141	138	139	137	137	134	138	137	145	144	139	141
Efficiency Energy Class			A+	A+	A+	A+	A+	/	/	/	/	/	/	/
Cooling with recovery for versions (A) (E)														
40°C/45°C - 7°C/12°C	Cooling capacity	(4) kW	45,7	52,6	58,4	69,0	74,1	87,3	103,5	111,6	134,1	148,8	169,6	203,1
	Recovered power	(4) 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
	Total input power	(4) kW	13,1	15,3	17,7	20,3	22,4	25,2	30,4	32,4	42,7	47,3	51,7	61,9
	Water flow rate (cold side)	(4) l/h	7387	8590	9621	10995	11683	13744	16322	17009	19930	22507	26287	30754
	Pressure drop	(4) kPa	26	37	22	29	22	31	34	35	32	41	51	63
	Water flow rate (hot side)	(4) l/h	7994	9211	10427	13034	13903	14599	18422	19465	23810	26417	30067	35628
	Pressure drop	(4) kPa	13	17	21	33	38	19	30	34	51	48	35	49
	TER	W/W	7,93	7,81	7,56	7,75	7,57	7,87	7,76	7,83	7,22	7,24	7,51	7,50

Date (14511:2018) * Only units configured for 2-pipe systems are certified by Eurovent

(1) Water system side 12°C/7°C, External air 35°C (EUROVENT)

(2) Water system side 40°C/45°C, External air 7°C b.s./6°C b.u. (EUROVENT)

(3) Water Total Recovery 40°C/45°C.

(4) Water Total Recovery 40°C/45°C, Water evaporator (7°C)

TER Global Efficiency

General data - NRP 0200-0750

NRP			0200	0240	0280	0300	0330	0350	0500	0550	0600	0650	0700	0750
Electrical data														
Total input current	(1)	A	A	-	-	-	-	-	55	59	72	82	88	113
	(1)	E	A	28	33	38	41	45	52	60	64	79	91	99
Maximum current (FLA)	(1)	A/E	A	36	41	46	53	58	63	76	81	100	112	122
Starting current (LRA)	(1)	A/E	A	119	150	155	184	190	200	214	220	232	243	261
Compressors														
Compressors	type/n°		scroll/2	scroll/2	scroll/2	scroll/2	scroll/2	scroll/2	scroll/3	scroll/3	scroll/4	scroll/4	scroll/4	scroll/4
Circuits	n°		2	2	2	2	2	2	2	2	2	2	2	2
Capacity control	%		0/50/100	0/50/100	0/50/100	0/50/100	0/50/100	0/50/100	0/50/100	0/50/100	0/50/100	0/25/50/100	0/25/50/100	0/25/50/100
Refrigerant	R410A													
Exchanger side (hot/cold) 2 pipe system / side (cold) 4 pipe system														
Exchanger	type/n°		plate/1	plate/1	plate/1	plate/1	plate/1	plate/1	plate/1	plate/1	plate/1	plate/1	plate/1	plate/1
Hydraulic connections	(in/out)	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"
Exchanger side (DHW) 2 pipe system / side (hot) 4 pipe system														
Exchanger	type/n°		plate/1	plate/1	plate/1	plate/1	plate/1	plate/1	plate/1	plate/1	plate/1	plate/1	plate/1	plate/1
Hydraulic connections	(in/out)	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"
Fans standard														
Fans	type/n°		axial/6	axial/6	axial/6	axial/8	axial/8	axial/8	axial/2	axial/2	axial/2	axial/2	axial/3	axial/3
Air flow rate	A	m³/h	-	-	-	-	-	-	37000	37000	36500	36500	58000	48000
cooling mode	E	m³/h	20000	20000	20000	26000	26000	26000	20200	21100	21400	22400	31900	34600
Air flow rate heating mode	A/E	m³/h	20000	20000	20000	26000	26000	26000	37000	37000	36500	36500	58000	48000
System integrated hydronic module														
Buffer tank	l.		300	300	300	300	300	300	500	500	500	500	500	700
Useful head	kPa		For more information, refer to the selection program or the technical documentation available											
Sound data (cooling mode)														
Sound power	(2)	A	dB(A)	-	-	-	-	-	82	82	82	83	85	85
	(2)	E	dB(A)	74	74	74	75	75	76	74	74	74	75	77
Sound pressure	(2)	A	dB(A)	-	-	-	-	-	50	50	50	51	53	53
	(2)	E	dB(A)	42	42	42	43	43	44	42	42	42	43	45

General data - NRP 0800-1800

NRP			0800	0900	1000	1250	1404	1504	1655	1800	
Electrical data											
Total input current	(1)	A	A	136	158	180	196	235	273	289	304
	(1)	E	A	145	169	192	211	251	292	306	324
Maximum current (FLA)	(1)	A/E	A	173	195	217	267	296	325	365	398
Starting current (LRA)	(1)	A/E	A	348	404	426	535	505	534	633	666
Compressors											
Compressors	type/n°		scroll/4	scroll/4	scroll/4	scroll/4	scroll/4	scroll/4	scroll/4	scroll/5	scroll/6
Circuits	n°		2	2	2	2	2	2	2	2	2
Capacity control	%										
Refrigerant	R410A										
Exchanger side (hot/cold) 2 pipe system / side (cold) 4 pipe system											
Exchanger	type/n°		plate/1	plate/1	plate/1	plate/1	plate/1	plate/1	plate/1	plate/1	plate/1
Hydraulic connections	(in/out)	Ø	3"	3"	3"	3"	4"	4"	4"	4"	4"
Exchanger side (DHW) 2 pipe system / side (hot) 4 pipe system											
Exchanger	type/n°		plate/2	plate/2	plate/2	plate/2	plate/2	plate/2	plate/2	plate/2	plate/2
Hydraulic connections	(in/out)	Ø	3"	3"	3"	4"	4"	4"	4"	4"	4"
Fans standard											
Fans	type/n°		axial/4	axial/4	axial/4	axial/6	axial/6	axial/6	axial/6	axial/6	axial/8
Air flow rate	A	m³/h	85600	84600	83600	126000	124200	122400	168000	165600	165600
cooling mode	E	m³/h	59920	59220	60610	88200	90000	91800	117600	115920	115920
Air flow rate heating mode	m³/h		85600	84600	83600	126000	124200	122400	168000	165600	165600
System integrated hydronic module											
Useful head	kPa		For more information, refer to the selection program or the technical documentation								
Sound data (cooling mode)											
Sound power	(2)	A	dB(A)	88,5	88,5	88,5	91,5	91	91,5	92	94
	(2)	E	dB(A)	83	83	83,5	86	85,5	85	86,5	88,5
Sound pressure	(2)	A	dB(A)	56,5	56,5	56,5	59,5	59	58,5	60	62
	(2)	E	dB(A)	51	51	51	54	53,5	53	54,5	56,5

Sound power

Aermec determines sound power values on the basis of measurements made in accordance with UNI EN ISO 9614-2, as required for Eurovent certification.

Sound pressure

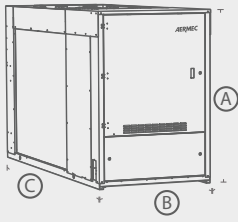
Sound pressure in free field, at 10 m distance from the external surface of the unit (in accordance with UNI EN ISO 3744).

(1) The electrical data of the versions without hydronic module integrated

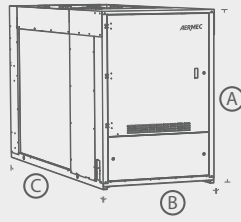
(2) Calculated in cooling mode

Note: For more information, refer to the selection program or the technical documentation available on the website www.aermec.com

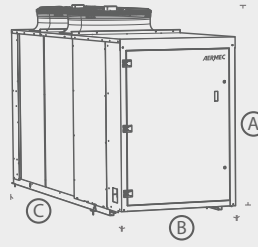
Technical drawings



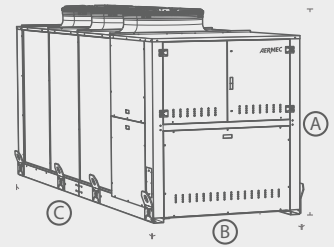
NRP 0200 - 0280



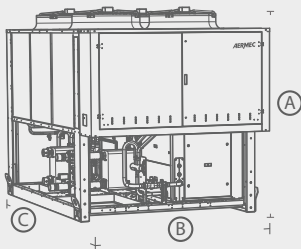
NRP 0300 - 0350



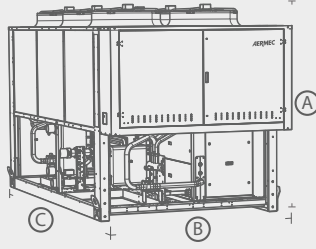
NRP 0500-0650



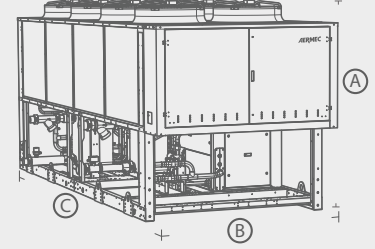
NRP 0700 - 0750



NRP 0800 - 1000



NRP 1250 - 1504



NRP 1655 - 1800

Dimensions (mm)

NRP 0200-0750		Version	0200	0240	0280	0300	0330	0350	0500	0550	0600	0650	0700	0750
Height (mm)	A	All	1606	1606	1606	1606	1606	1606	1875	1875	1875	1875	1875	1975
Width (mm)	B	All	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1500
Depth (mm)	C	All	2700	2700	2700	3200	3200	3200	3342	3342	3342	3342	4342	4350
Weight when empty	(kg)	*	788	790	792	862	872	894	1233	1237	1359	1378	1591	1939

NRP 0800-1800		Version	0800	0900	1000	1250	1404	1504	1655	1800
Height (mm)	A	All	2450	2450	2450	2450	2450	2450	2450	2450
Width (mm)	B	All	2200	2200	2200	2200	2200	2200	2200	2200
Depth (mm)	C	All	3400	3400	3400	4250	4250	4250	5750	5750
Weight when empty	kg	*	2270	2460	2640	2970	3220	3430	3950	4090

* Weight of standard unit without hydronic kit and accessories.