















WRL 026 ÷ 161

Water cooled heat pump reversible water side

Cooling capacity 6,6 \div 44,2 kW Heating capacity 7,5 \div 48,0 kW



- High efficiency
- Suitable for geothermal applications





DESCRIPTION

Water-water offering chilled/hot water, designed to mit air conditioning needs in residential/commercial complexes or industrial applications. Indoor units with hermetic scroll compressors and plate heat exchangers.

In the configuration with desuperheater, it is also possible to produce free-hot water.

The technological choices made, always oriented to the highest quality, ensure very easy installation.

In fact the electrical and hydraulic connections are all located in the upper part of the unit, facilitating the installation and maintenance operations and also reducing the technical gaps and their position in as little space as possible.

VERSIONS

° Without storage tank

A With storage tank

FEATURES

Operating field

Full-load operation with the production of chilled water 4-18°C, and the possibility to produce also negative temperature water down to -8°C for the evaporator and hot water for the condenser up to 55 °C. (for more information, refer to the technical documentation).

Plug and play

All the units are equipped with scroll compressors and plate heat exchangers; the base and panelling are made of steel treated with RAL 9003 polyester paints.

The electric and hydraulic connections are all located on the upper part of the unit facilitating installation and maintenance. This allows reduced plant room space and installation in the smallest space possible. The heat pump can be supplied with all the components required for its installation in new systems and to replace other heat generators. It can be combined with low temperature emission systems such as floor heating or fan coils, but also with conventional radiators.

Version with Integrated hydronic kit

The standard unit is supplied with a water filter, differential pressure switch and safety valve already installed on the service and source side (and also on the recovery side, if present).

To obtain a solution that offers economic savings and facilitates installation, these units can be configured with an integrated hydronic kit on both hydraulic sides (service and source).

Low-head and high-head pumps are available, along with a modulating 2-way valve that can only be applied on the source side to reduce consumption in applications with groundwater.

MODUCONTROL CONTROL

The command panel of the unit allows the rapid setting of the working parameters of the machine, and their visualisation. The display consists of 4 figures and various LEDs for indicating the type of operational mode, the visualisation of the parameters set and of any alarms triggered. The card stores all the default settings and any modifications.

The regulation using an outside air temperature sensor (accessory) allows a dynamic control of the water temperature produced by increasing the energy efficiency of the system.

ACCESSORIES

AERSET: It makes it possible to automatically compensate for the operation setting of the unit to which it is connected, based on a 0-10V MODBUS input signal. Mandatory accessory MODU-485BL.

KSAE: External air sensor.

MODU-485BL: RS-485 interface for supervision systems with MODBUS protocol

PR3: Simplified remote panel. This makes it possible to carry out the unit's basic controls with the signalling of alarms. Can be made remote with shielded cable up to 150 m.

VT: Antivibration supports

VPL: Pressure switch valve complete with connections, piloted directly in relation to condensation pressure; the valve modulates the volume

of water needed to cool the condenser, thereby maintaining the condensation temperature unchanged.

ACCESSORIES COMPATIBILITY

Model	Ver	026	031	041	051	071	081	101	141	161
AERSET	°,A		•	•	•	•	•	•	•	•
KSAE	°,A	•	•	•		•	•	•	•	•
MODU-485BL	°,A	•	•	•	•	•	•	•	•	•
PR3	°,A	•	•	•	•	•	•		•	•

Antivibration

Version	Integrated hydronic kit, source side	Integrated hydronic kit, user side	026	031	041	051	071	081	101	141	161
0	0	0	VT9	VT9	VT9	VT9	VT9	VT9	VT15	VT15	VT15
0	U	N,P	VT9	VT9	VT9	VT9	VT9	VT9	VT15	VT15	VT15
0	0	N,P	-	-	-	-	-	-	-	-	-
0	B,I,U,V	0	-	-	-	-	-	-	-	-	-
0	B,I,V	N,P	VT9	VT9	VT9	VT9	VT9	VT9	VT15	VT15	-
A	°,B,I,U,V	°,N,P	VT15	VT15	VT15	VT15	VT15	VT15	VT15A	VT15A	VT15A

Pressure switch valve

Ver	026	031	041	051	071	081	101	141	161
°,A	VPL1	VPL1	VPL2	VPL2	VPL3	VPL3	VPL4	VPL4	VPL4

CONFIGURATOR

CONFIGURA	ALVII.
Field	Description
1,2,3	WRL
4,5,6	Size 026, 031, 041, 051, 071, 081, 101, 141, 161
7	Operating field
0	Standard mechanic thermostatic valve (1)
Υ	Low temperature mechanic thermostatic valve (2)
8	Model
•	
	Heat pump reversible on the water side
9 .	Version
	Without storage tank
A	With storage tank
10	Heat recovery
	Without heat recovery
D	With desuperheater
11	Integrated hydronic kit, source side
	Without hydronic kit
В	On-off pump (3)
I	Inverter pump (4)
U	Pump high head (5)
	Applications with bore hole water
V	2-way modulating valve
12	Integrated hydronic kit, user side
0	Without hydronic kit
N	Pump high head (5)
P	On-off pump (3)
13	Field for future development
0	Field not used
14	Soft-start
0	Without soft-start
<u> </u>	With soft-start
15	Power supply
0	400V~3N 50Hz
M	230V~ 50Hz (6)
IVI	2301 30112 (0)

⁽¹⁾ Water produced from 4 °C ÷ 18 °C
(2) Water produced from 4 °C ÷ -8 °C
(3) Inverter pump for size WRL 026 ÷ 081. The speed of the inverter pump must be set upon commissioning, according to the useful static pressure required; once it has been set, the pump will work at a constant flow rate.
(4) Only for WRL 026 ÷ 081
(5) Only for WRL 101 ÷ 161
(6) Only for WRL 026 ÷ 041

PERFORMANCE SPECIFICATIONS

WRL - °

Ci		036	021	041	051	071	001	101	141	1/1
Size		026	031	041	051	071	081	101	141	161
400V~3N 50Hz										
Cooling performance 12 °C/7 °C(1)										
Cooling capacity	kW	6,7	8,4	11,3	14,7	19,3	21,9	29,5	38,5	43,9
Input power	kW	1,5	1,8	2,6	3,1	4,0	4,7	6,2	8,1	9,5
Cooling total input current	А	3,1	2,6	4,9	6,4	7,4	9,1	13,0	15,0	18,0
EER	W/W	4,49	4,74	4,39	4,70	4,77	4,63	4,72	4,75	4,62
Water flow rate source side	I/h	1396	1735	2375	3054	3978	4538	6100	7947	9077
Pressure drop source side	kPa	28	30	35	32	40	46	42	57	66
Water flow rate system side	I/h	1154	1447	1955	2541	3320	3770	5078	6638	7555
Pressure drop system side	kPa	15	17	23	21	26	30	25	34	38
	KFd	IJ	1/			20	30	23		
Heating performance 40 °C / 45 °C (2)	1111	7.7	0.3	12.6	463	24.0	24.0	22.5	42.4	40.0
Heating capacity	kW	7,7	9,3	12,6	16,3	21,0	24,0	32,5	42,1	48,0
Input power	kW	1,9	2,3	3,2	4,0	5,1	5,9	8,0	10,2	12,0
Heating total input current	A	4,1	3,4	6,1	8,2	9,2	11,0	16,0	18,0	23,0
COP	W/W	3,93	4,04	3,94	4,05	4,17	4,04	4,06	4,14	4,02
Water flow rate source side	l/h	1680	2053	2767	3602	4708	5325	7200	9414	10671
Pressure drop source side	kPa	32	34	46	42	52	60	50	68	76
Water flow rate system side	I/h	1326	1607	2181	2819	3647	4159	5629	7284	8315
Pressure drop system side	kPa	25	26	30	27	34	39	36	48	55
230V~ 50Hz	u		_0	30	-/	J	3,	30	.0	33
Cooling performance 12 °C/7 °C(1)										
	kW	6.6	8,3	11 2						
Cooling capacity		6,6		11,3	-	-	-			
Input power	kW	1,5	1,8	2,5	-	-	-	-	-	
Cooling total input current	A	7,2	9,2	12,0	-	-	-	-	-	-
EER	W/W	4,30	4,50	4,56	-	-	-	-	-	-
Water flow rate source side	l/h	1386	1731	2359	-	-	-	-	-	-
Pressure drop source side	kPa	28	29	36	-	-	-	-	-	-
Water flow rate system side	l/h	1137	1430	1955	-	-	-	-	-	-
Pressure drop system side	kPa	15	17	23	-	-	-	-	-	-
Heating performance 40 °C / 45 °C (2)										
Heating capacity	kW	7,6	9,4	12,5		-	_	_	-	_
Input power	kW	2,0	2,4	3,1	_					
Heating total input current	A	9,3	12,0	15,0			-	-		
COP	W/W	3,86	3,89	4,05	-	-	-	-	-	-
Water flow rate source side	I/h	1662	2053	2778	-	-	-	-	-	
Pressure drop source side	kPa	32	35	46	-	-	-	-		
Water flow rate system side	l/h	1319	1626	2171	-	-	-	-	-	-
Pressure drop system side	kPa	25	26	30	-	-	-	-	-	-
(1) Date 14511:2018; Water user side 12 °C / 7 °C; Water source	side 30 °C / 35	°C								
(2) Date 14511:2018; Water user side 40 °C / 45 °C; Water source	e side 10 °C / 7	°Č								
<u>c:</u>		036	021	041	051	074	001	101	141	1/1
Size		026	031	041	051	071	081	101	141	161
400V~3N 50Hz										
Cooling capacity with low leaving water temp (UE n° 2	016/2281)									
SEER	W/W	3,93	4,29	4,13	4,51	4,66	4,52	4,93	4,93	4,75
ηςς	%	149,00	163,50	157,10	172,30	178,30	172,80	189,10	189,00	182,10
UE 811/2013 low temperature - Pdesignh ≤ 70 kW (1)										
Pdesignh	kW	11	14	17	23	30	35	45	60	68
SCOP		5,08	5,45	5,38	5,50	5,48	5,33	6,03	5,85	5,50
ηsh	%	195,00	210,00	207,00	212,00	211,00	205,00	233,00	226,00	212,00
Efficiency energy class		A+++								
230V~ 50Hz		A1 1 1	A1 1 1	N1 1 1	N1 1 1	AT I I	A1 1 1	N1 1 1	N1 1 1	A1 1 1
Cooling capacity with low leaving water temp (UE n° 2)	016/2221\									
		יד נ	A 12	4 27						
SEER	W/W	3,77	4,13	4,27	-	-	-	-	-	-
nsc	%	142,90	157,00	162,60	-	-	-	-	-	-
<u>UE 811/2013 low temperature - Pdesignh ≤ 70 kW (1)</u>			-					-		
Pdesignh	kW	11	14	17	-	-	-	-	-	-
SCOP		5,15	5,50	5,18	-	-	-	-	-	-
ηsh	%	198,00	212,00	199,00	-	-	-	-	-	-
Efficiency energy class		A+++	A+++	A+++	-	-	-	-	-	-

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

WRL ABP

A00V~3N 50Hz Cooling performance 12 °C/7 °C(1) Cooling capacity kW 6,8 8,5 11,4 14,9 19,4 22,0 29,8 38,9 Input power kW 1,4 1,7 2,5 3,1 3,9 4,6 6,3 8,1 Cooling total input current A 3,7 3,3 5,6 7,5 8,6 10,0 14,0 17,0 EER W/W 4,75 5,02 4,62 4,84 4,93 4,78 4,75 4,79 Water flow rate source side I/h 1396 1735 2375 3054 3978 4538 6100 7947 Useful head source side kPa 59 53 36 63 43 28 116 137 Water flow rate system side I/h 1154 1447 1955 2541 3320 3770 5078 6638 Useful head system side kPa 74 70 56 79 66	161
Cooling capacity kW 6,8 8,5 11,4 14,9 19,4 22,0 29,8 38,9 Input power kW 1,4 1,7 2,5 3,1 3,9 4,6 6,3 8,1 Cooling total input current A 3,7 3,3 5,6 7,5 8,6 10,0 14,0 17,0 EER W/W 4,75 5,02 4,62 4,84 4,93 4,78 4,75 4,79 Water flow rate source side I/h 1396 1735 2375 3054 3978 4538 6100 7947 Useful head source side kPa 59 53 36 63 43 28 116 137 Water flow rate system side I/h 1154 1447 1955 2541 3320 3770 5078 6638 Useful head system side kPa 74 70 56 79 66 56 148 164 Heating capacity kW	
Cooling capacity kW 6,8 8,5 11,4 14,9 19,4 22,0 29,8 38,9 Input power kW 1,4 1,7 2,5 3,1 3,9 4,6 6,3 8,1 Cooling total input current A 3,7 3,3 5,6 7,5 8,6 10,0 14,0 17,0 EER W/W 4,75 5,02 4,62 4,84 4,93 4,78 4,75 4,79 Water flow rate source side I/h 1396 1735 2375 3054 3978 4538 6100 7947 Useful head source side kPa 59 53 36 63 43 28 116 137 Water flow rate system side I/h 1154 1447 1955 2541 3320 3770 5078 6638 Useful head system side kPa 74 70 56 79 66 56 148 164 Heating capacity kW	
Cooling total input current A 3,7 3,3 5,6 7,5 8,6 10,0 14,0 17,0 EER W/W 4,75 5,02 4,62 4,84 4,93 4,78 4,75 4,79 Water flow rate source side I/h 1396 1735 2375 3054 3978 4538 6100 7947 Useful head source side kPa 59 53 36 63 43 28 116 137 Water flow rate system side I/h 1154 1447 1955 2541 3320 3770 5078 6638 Useful head system side kPa 74 70 56 79 66 56 148 164 Heating performance 40 °C / 45 °C (2)	44,2
EER W/W 4,75 5,02 4,62 4,84 4,93 4,78 4,75 4,79 Water flow rate source side I/h 1396 1735 2375 3054 3978 4538 6100 7947 Useful head source side kPa 59 53 36 63 43 28 116 137 Water flow rate system side I/h 1154 1447 1955 2541 3320 3770 5078 6638 Useful head system side kPa 74 70 56 79 66 56 148 164 Heating performance 40 °C / 45 °C (2) Heating performance 40 °C / 45 °C (2) 8W 7,6 9,2 12,5 16,1 20,9 23,8 32,2 41,6 Input power kW 1,9 2,2 3,1 3,9 4,9 5,8 8,0 10,1 Heating total input current A 4,7 4,0 6,7 9,3 10,0 13,0	9,4
Water flow rate source side I/h 1396 1735 2375 3054 3978 4538 6100 7947 Useful head source side kPa 59 53 36 63 43 28 116 137 Water flow rate system side I/h 1154 1447 1955 2541 3320 3770 5078 6638 Useful head system side kPa 74 70 56 79 66 56 148 164 Heating performance 40 °C / 45 °C (2) **Heating capacity kW 7,6 9,2 12,5 16,1 20,9 23,8 32,2 41,6 Input power kW 1,9 2,2 3,1 3,9 4,9 5,8 8,0 10,1 Heating total input current A 4,7 4,0 6,7 9,3 10,0 13,0 18,0 20,0 COP W/W 4,05 4,17 4,05 4,11 4,24 4,09 4,01 <td< td=""><td>20,0</td></td<>	20,0
Useful head source side kPa 59 53 36 63 43 28 116 137 Water flow rate system side I/h 1154 1447 1955 2541 3320 3770 5078 6638 Useful head system side kPa 74 70 56 79 66 56 148 164 Heating performance 40 °C/45 °C(2) Heating capacity kW 7,6 9,2 12,5 16,1 20,9 23,8 32,2 41,6 Input power kW 1,9 2,2 3,1 3,9 4,9 5,8 8,0 10,1 Heating total input current A 4,7 4,0 6,7 9,3 10,0 13,0 18,0 20,0 COP W/W 4,05 4,17 4,05 4,11 4,24 4,09 4,01 4,13 Water flow rate source side I/h 1680 2053 2767 3602 4708 5325 7200	4,69
Water flow rate system side I/h 1154 1447 1955 2541 3320 3770 5078 6638 Useful head system side kPa 74 70 56 79 66 56 148 164 Heating performance 40 °C/45 °C(2) *** Useful head system side kW 7,6 9,2 12,5 16,1 20,9 23,8 32,2 41,6 Input power kW 1,9 2,2 3,1 3,9 4,9 5,8 8,0 10,1 Heating total input current A 4,7 4,0 6,7 9,3 10,0 13,0 18,0 20,0 COP W/W 4,05 4,17 4,05 4,11 4,24 4,09 4,01 4,13 Water flow rate source side I/h 1680 2053 2767 3602 4708 5325 7200 9414 Useful head source side kPa 52 43 16 46 20 4 90	9077
Useful head system side kPa 74 70 56 79 66 56 148 164 Heating performance 40 °C/45 °C (2) Heating capacity kW 7,6 9,2 12,5 16,1 20,9 23,8 32,2 41,6 Input power kW 1,9 2,2 3,1 3,9 4,9 5,8 8,0 10,1 Heating total input current A 4,7 4,0 6,7 9,3 10,0 13,0 18,0 20,0 COP W/W 4,05 4,17 4,05 4,11 4,24 4,09 4,01 4,13 Water flow rate source side I/h 1680 2053 2767 3602 4708 5325 7200 9414 Useful head source side kPa 52 43 16 46 20 4 90 121 Water flow rate system side I/h 1326 1607 2181 2819 3647 4159 5629 7284<	125
Heating performance 40 °C/45 °C (2) Heating capacity kW 7,6 9,2 12,5 16,1 20,9 23,8 32,2 41,6 Input power kW 1,9 2,2 3,1 3,9 4,9 5,8 8,0 10,1 Heating total input current A 4,7 4,0 6,7 9,3 10,0 13,0 18,0 20,0 COP W/W 4,05 4,17 4,05 4,11 4,24 4,09 4,01 4,13 Water flow rate source side I/h 1680 2053 2767 3602 4708 5325 7200 9414 Useful head source side kPa 52 43 16 46 20 4 90 121 Water flow rate system side I/h 1326 1607 2181 2819 3647 4159 5629 7284 Useful head system side kPa 63 59 46 70 54 41 130	7555
Heating capacity kW 7,6 9,2 12,5 16,1 20,9 23,8 32,2 41,6 Input power kW 1,9 2,2 3,1 3,9 4,9 5,8 8,0 10,1 Heating total input current A 4,7 4,0 6,7 9,3 10,0 13,0 18,0 20,0 COP W/W 4,05 4,17 4,05 4,11 4,24 4,09 4,01 4,13 Water flow rate source side I/h 1680 2053 2767 3602 4708 5325 7200 9414 Useful head source side kPa 52 43 16 46 20 4 90 121 Water flow rate system side I/h 1326 1607 2181 2819 3647 4159 5629 7284 Useful head system side kPa 63 59 46 70 54 41 130 148	157
Heating capacity kW 7,6 9,2 12,5 16,1 20,9 23,8 32,2 41,6 Input power kW 1,9 2,2 3,1 3,9 4,9 5,8 8,0 10,1 Heating total input current A 4,7 4,0 6,7 9,3 10,0 13,0 18,0 20,0 COP W/W 4,05 4,17 4,05 4,11 4,24 4,09 4,01 4,13 Water flow rate source side I/h 1680 2053 2767 3602 4708 5325 7200 9414 Useful head source side kPa 52 43 16 46 20 4 90 121 Water flow rate system side I/h 1326 1607 2181 2819 3647 4159 5629 7284 Useful head system side kPa 63 59 46 70 54 41 130 148	
Heating total input current A 4,7 4,0 6,7 9,3 10,0 13,0 18,0 20,0 COP W/W 4,05 4,17 4,05 4,11 4,24 4,09 4,01 4,13 Water flow rate source side I/h 1680 2053 2767 3602 4708 5325 7200 9414 Useful head source side kPa 52 43 16 46 20 4 90 121 Water flow rate system side I/h 1326 1607 2181 2819 3647 4159 5629 7284 Useful head system side kPa 63 59 46 70 54 41 130 148	47,6
COP W/W 4,05 4,17 4,05 4,11 4,24 4,09 4,01 4,13 Water flow rate source side I/h 1680 2053 2767 3602 4708 5325 7200 9414 Useful head source side kPa 52 43 16 46 20 4 90 121 Water flow rate system side I/h 1326 1607 2181 2819 3647 4159 5629 7284 Useful head system side kPa 63 59 46 70 54 41 130 148	11,8
Water flow rate source side I/h 1680 2053 2767 3602 4708 5325 7200 9414 Useful head source side kPa 52 43 16 46 20 4 90 121 Water flow rate system side I/h 1326 1607 2181 2819 3647 4159 5629 7284 Useful head system side kPa 63 59 46 70 54 41 130 148	25,0
Useful head source side kPa 52 43 16 46 20 4 90 121 Water flow rate system side I/h 1326 1607 2181 2819 3647 4159 5629 7284 Useful head system side kPa 63 59 46 70 54 41 130 148	4,04
Water flow rate system side I/h 1326 1607 2181 2819 3647 4159 5629 7284 Useful head system side kPa 63 59 46 70 54 41 130 148	10671
Useful head system side kPa 63 59 46 70 54 41 130 148	109
	8315
	138
230V~ 50Hz	
Cooling performance 12 °C/7 °C(1)	
Cooling capacity kW 6,7 8,4 11,4	-
Input power kW 1,5 1,8 2,4	-
Cooling total input current A 7,8 9,9 12,0	-
EER W/W 4,54 4,75 4,80	-
Water flow rate source side 1/h 1386 1731 2359	-
Useful head source side kPa 59 54 36	-
Water flow rate system side 1/h 1137 1430 1955	-
Useful head system side kPa 74 70 56	-
Heating performance 40 °C / 45 °C (2)	
Heating capacity kW 7,5 9,3 12,4	-
Input power kW 1,9 2,3 3,0	-
Heating total input current A 9,9 13,0 15,0	-
COP W/W 3,97 4,01 4,17	-
Water flow rate source side 1/h 1662 2053 2778	-
Useful head source side	-
Water flow rate system side I/h 1319 1626 2171	-
Useful head system side	

⁽¹⁾ Date 14511:2018; Water user side 12 °C / 7 °C; Water source side 30 °C / 35 °C (2) Date 14511:2018; Water user side 40 °C / 45 °C; Water source side 10 °C / 7 °C

Size		026	031	041	051	071	081	101	141	161
400V~3N 50Hz										
Cooling capacity with low leaving water temp (UE n° 20	16/2281)									
SEER	W/W	5,00	5,37	5,22	5,38	5,62	5,30	5,31	5,27	5,21
ηςς	%	191,90	206,70	200,80	207,00	216,70	203,80	204,20	202,70	200,50
UE 811/2013 low temperature - Pdesignh ≤ 70 kW (1)										
Pdesignh	kW	11	13	17	22	30	34	44	59	66
SCOP		5,08	6,15	5,75	6,13	5,75	5,45	6,00	5,95	5,60
ηsh	%	195,00	238,00	222,00	237,00	222,00	210,00	232,00	230,00	216,00
Efficiency energy class		A+++								
230V~ 50Hz										
Cooling capacity with low leaving water temp (UE n° 20	16/2281)									
SEER	W/W	4,73	5,20	5,22	-	-	-	-	-	-
ηςς	%	181,30	200,10	200,60	-	-	-	-	-	-
UE 811/2013 low temperature - Pdesignh ≤ 70 kW (1)										
Pdesignh	kW	11	13	17	-	-	-	-	-	-
SCOP		5,90	6,28	5,50	-	-	-	-	-	-
ηsh	%	228,00	243,00	214,00	-	-	-	-	-	-
Efficiency energy class		A++	A++	A++	-	-	-	-	-	-

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

ELECTRIC DATA

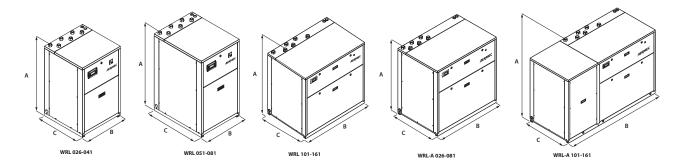
Size			026	031	041	051	071	081	101	141	161
Electric data											
Maximum current (FLA)	٥	A	8,0	8,0	15,0	17,0	21,0	22,0	32,0	40,0	41,0
	M	А	18,0	21,0	34,0	-	-	-	-	-	-
D L (I.D.A.)	0	A	34,0	37,0	65,0	75,0	75,0	75,0	90,0	94,0	95,0
Peak current (LRA)	M	Δ	63.0	84.0	119 0	_	_	_	_	_	_

GENERAL TECHNICAL DATA

Size			026	031	041	051	071	081	101	141	161
Compressor											
Туре	°,A	type					Scroll				
Number	°,A	no.	1	1	1	1	1	1	2	2	2
Circuits	°,A	no.	1	1	1	1	1	1	1	1	1
Refrigerant	°,A	type					R410A				
Refrigerant charge	°,A	kg	-	-	-	-	-	-	-	-	-
Source side heat exchanger											
Туре	°,A	type					Brazed plate				
Number	°,A	no.	1	1	1	1	1	1	1	1	1
System side heat exchanger											
Туре	°,A	type					Brazed plate				
Number	°,A	no.	1	1	1	1	1	1	1	1	1
Source side hydraulic connections											
Connections (in/out)	°,A	Туре					Gas-F				
Sizes (in/out)	°,A	Ø					1"1/4				
System side hydraulic connections											
Connections (in/out)	°,A	Туре					Gas-F				
Sizes (in/out)	°,A	Ø				•	1"1/4			·	
Sound data calculated in cooling m											
Sound power level	°,A	dB(A)	-	-	-	-	-	-	-	-	-
Sound pressure level (10 m)	°,A	dB(A)	-	-	-	-	-	-	-	-	-

⁽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



Size			026	031	041	051	071	081	101	141	161
Dimensions and weights											
Α.	0	mm	976	976	976	1126	1126	1126	1126	1126	1126
Α	A	mm	1126	1126	1126	1126	1126	1126	1126	1126	1126
D	0	mm	605	605	605	605	605	605	1155	1155	1155
В	Α	mm	1155	1155	1155	1155	1155	1155	1755	1755	1755
(0	mm	603	603	603	773	773	773	773	773	773
C	Α	mm	773	773	773	773	773	773	773	773	773
Weight ampty	٥	kg	120	125	130	150	170	180	260	270	280
Weight empty	A	kg	190	200	210	230	250	260	340	350	360

All data is subject to change without notice. Aermec does not assume responsibility or liability for errors or omissions.

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