

PACK QUATTRO 06÷16T INVERTER

Split air / water inverter heat pump
to produce heating, air conditioning and domestic hot water for small / medium users



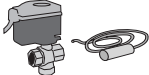




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Models	Thermal Power kW	Cooling Capacity kW	Code
PACK QUATTRO 06 PAR 1	7,23 (2,78÷6,57)	5,58 (2,30÷5,07)	62391900
PACK QUATTRO 08 PAR 1	8,81 (3,54÷8,01)	6,73 (2,95÷6,12)	62391901
PACK QUATTRO 10 PAR 1	10,80 (4,69÷10,00)	8,83 (3,27÷7,56)	62391902
PACK QUATTRO 12 PAR 1	12,10 (3,90÷11,30)	9,60 (3,27÷8,49)	62391903
PACK QUATTRO 14 PAR 1	14,90 (5,30÷13,55)	12,05 (5,30÷11,46)	62391904
PACK QUATTRO 14 Three phase PAR 3	14,90 (5,30÷13,55)	12,05 (5,30÷11,46)	62391905
PACK QUATTRO 16 Three phase PAR 3	15,80 (6,50÷15,17)	16,00 (6,30÷14,64)	62390990
PACK QUATTRO 06 PARS 1	7,23 (2,78÷6,57)	5,58 (2,30÷5,07)	62390991
PACK QUATTRO 08 PARS 1	8,81 (3,54÷8,01)	6,73 (2,95÷6,12)	62390992
PACK QUATTRO 10 PARS 1	10,80 (4,69÷10,00)	8,83 (3,27÷7,56)	62390993
PACK QUATTRO 12 PARS 1	12,10 (3,90÷11,30)	9,60 (3,27÷8,49)	62390994
PACK QUATTRO 14 PARS 1	14,90 (5,30÷13,55)	12,05 (5,30÷11,46)	62390995
PACK QUATTRO 14 Three phase PARS 3	14,90 (5,30÷13,55)	12,05 (5,30÷11,46)	62390996
PACK QUATTRO 16 Three phase PARS 3	15,80 (6,50÷15,17)	16,00 (6,30÷14,64)	62390997
PACK QUATTRO 06 PARP 1	7,23 (2,78÷6,57)	5,58 (2,30÷5,07)	62390998
PACK QUATTRO 08 PARP 1	8,81 (3,54÷8,01)	6,73 (2,95÷6,12)	62390999
PACK QUATTRO 10 PARP 1	10,80 (4,69÷10,00)	8,83 (3,27÷7,56)	62380000
PACK QUATTRO 12 PARP 1	12,10 (3,90÷11,30)	9,60 (3,27÷8,49)	62380001
PACK QUATTRO 14 PARP 1	14,90 (5,30÷13,55)	12,05 (5,30÷11,46)	62380002
PACK QUATTRO 14 Three phase PARP 3	14,90 (5,30÷13,55)	12,05 (5,30÷11,46)	62380003
PACK QUATTRO 16 Three phase PARP 3	15,80 (6,50÷15,17)	16,00 (6,30÷14,64)	62380004
PACK QUATTRO 06 PARPS 1	7,23 (2,78÷6,57)	5,58 (2,30÷5,07)	62380005
PACK QUATTRO 08 PARPS 1	8,81 (3,54÷8,01)	6,73 (2,95÷6,12)	62380006
PACK QUATTRO 10 PARPS 1	10,80 (4,69÷10,00)	8,83 (3,27÷7,56)	62380007
PACK QUATTRO 12 PARPS 1	12,10 (3,90÷11,30)	9,60 (3,27÷8,49)	62380008
PACK QUATTRO 14 PARPS 1	14,90 (5,30÷13,55)	12,05 (5,30÷11,46)	62380009
PACK QUATTRO 14 Three phase PARPS 3	14,90 (5,30÷13,55)	12,05 (5,30÷11,46)	62380010
PACK QUATTRO 16 Three phase PARPS 3	15,80 (6,50÷15,17)	16,00 (6,30÷14,64)	62380011

Accessories PACK QUATTRO 06÷16T INVERTER

	First start	35639901	
	Remote control multifunctional touch screen	37900812	
	Internal diverter valve kit with DHW probe	included	
	Electrical resistance	mod. monofase 2 kW	62391003
		mod. trifase 2 kW	62391004
		mod. monofase 3 kW	62391005
		mod. trifase 3 kW	62391006
		mod. monofase 4,5 kW	62391007
	8-liter expansion tank on the system side	62391009	

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Accessories PACK QUATTRO 06÷16T INVERTER

Code



Rubber anti-vibration kit

62391014

Antifreeze kit

mod. 06÷12
mod. 14÷16T

62391013
62391012

(Optional kit, factory installed, model GL2)

DHW recirculation management logic - Solar integration management logic Relay circulator management logic

62391010

DHW technical boiler kit: allows the unit to be connected to an additional one energy source (boiler or similar) to be managed in integration and / or replacement of the PACK QUATTRO heat pump

62391011

Indoor unit PAR version - PARS



- 1 250 l technical water puffer for DHW (domestic hot water) 50 mm polyurethane coating
- 2 High efficiency pump of heat pump and high efficiency in-line preparer with the ERP directive up to EEI values = <0.21
- 3 Heat pump exchangers and rapid ACS manufacturer in AISI 304 stainless steel
- 4 Integrated Y-filter
- 5 DHW technical side loading / unloading cock
- 6 Integrated automatic air vent valve for the DHW technical side
- 7 Double pressure gauge at 6 bar to check flow rates / load losses
- 8 8-liter expansion vessel on the DHW technical side
- 9 3 bar safety overpressure valve to be connected to a collection system
- 10 3-way valve switching system / DHW technical side
- 11 Safety flow switch for heat pump exchanger protection
- 12 Flow meter for rapid production management of the DHW
- 13 Single-phase or three-phase power supply
- 14 Logic management of electrical resistance on the plant side in integration and / or replacement
- 15 Logic management boiler or similar source both for the plant side and for the technical DHW in integration and / or replacement of the heat pump (digital contact)
- 16 Climatic integrated system
- 17 System remote probe management logic
- 18 Logic management of double set-point on the integrated system side
- 19 Logic management of integrated intelligent energy resources

Indoor unit PARP - PARPS version (double puffer version)



- 1 Technical water puffer for DHW (hot water) 190 l and technical plant puffer 40 l, 50 mm polyurethane coating
- 2 High efficiency quick heat pump and preparer circulator in line with the ERP directive up to EEI values = <0.21
- 3 Heat pump exchangers and rapid DHW manufacturer in AISI 304 stainless steel
- 4 Integrated Y-filter
- 5 Load / unload taps both on the DHW technical side and on the plant side
- 6 Automatic air vent valves integrated both on the plant side and on the DHW technical side
- 7 Double pressure gauge at 6 bar to check flow rates / load losses
- 8 Double 8 liter expansion tank, one side plant the other technical side DHW
- 9 3 bar safety overpressure valve to be connected to a collection system
- 10 3-way valve switching system / DHW technical side
- 11 Safety flow switch for heat pump exchanger protection
- 12 Flow meter for rapid production management of the DHW
- 13 Single-phase or three-phase power supply
- 14 Logic management of electrical resistance on the plant side in integration and / or replacement.
- 15 Logic management boiler or similar source both for the plant side and for the technical DHW in integration and / or replacement of the heat pump (digital contact)
- 16 Climatic integrated system
- 17 System remote probe management logic
- 18 Logic management of double set-point on the integrated system side
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PARTICULARLY CURATED DESIGN

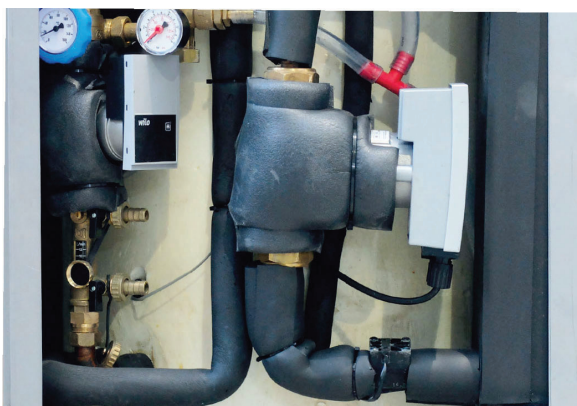
The new hanging and closet units were designed directly by great designers of the made in Italy.



COMPACT DIMENSIONS

This is a floor-mounted heat pump system which includes the domestic hot water tank and a puffer with technical water (in the PARP version) e all the components of the system.

The installation is thus facilitated to the end user. It is offered an efficiency, design and reduced size, like that of a normal household appliance.

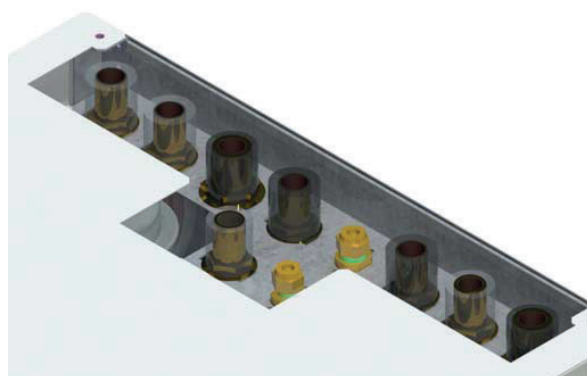


TECHNICAL WATER ACCUMULATOR

The tank is equipped with a thick insulation in 50 mm polyurethane.

The thermal dispersion of the tank is 79 W (according to EN 12897: 2006 $\Delta T = 45 \text{ }^\circ\text{C}$).

The heat pump system can lead to temperatures of comfort of the water in the tank avoiding the use of an optional auxiliary electric heater, ensuring immediate availability of a volume of hot water enough for six showers (PAR / PARS version).



PLUG AND PLAY INSTALLATION

All hydraulic components of the unit (circulator heat pump and DHW device, expansion vessels, electric resistances, diverter valve and components various and electric) are easily accessible by opening the front panel, water and coolant connections they are in the high back of the unit (in the case of the closet model) this ensures ease of maintenance and installation.

Indoor unit dimensions PAR - PARS - PARP - PARPS



Version PAR	Version PARS	06 - 08	10 - 12	14 - 16
	Technical plant puffer	40 l	40 l	40 l
	Puffer DHW	190 l	190 l	190 l
Puffer ACS		250 l	250 l	250 l

PAR	Kg
06 - 08	189
10 - 12	190
14 - 16	192

PARP	Kg
06 - 08	202
10 - 12	203
14 - 16	205

Dimensions	U.M.	06 - 08	10 - 12	14 - 16
L	mm	595	595	595
P	mm	705	705	705
H	mm	1830	1830	1830

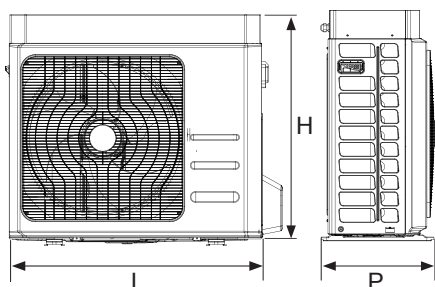
PARS	Kg
06 - 08	204
10 - 12	205
14 - 16	207

PARPS	Kg
06 - 08	217
10 - 12	218
14 - 16	220

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Outdoor unit dimensions PACK QUATTRO 06 - 08 - 10 INVERTER



PACK QUATTRO	06	08	10
L	925	925	1047
P	380	380	465
H	785	785	913

Values in mm

Technical data table for heat pumps PACK QUATTRO 06 - 08 - 10 INVERTER

DESCRIPTION	U.M.	06	08	10
Cooling capacity (1)	kW	7,56* (3,65÷6,87)	9,12* (4,65÷8,52)	11,35* (5,40÷10,00)
Absorbed Power (1)	kW	1,69	2,18	2,26
E.E.R. (1)	W/W	4,06	3,91	4,43
Cooling capacity (2)	kW	5,58* (2,32÷5,07)	6,73* (2,95÷6,12)	8,83* (3,27÷7,56)
Absorbed Power (2)	kW	1,74	2,11	2,43
E.E.R. (2)	W/W	2,91	2,90	3,11
SEER (5)	W/W	3,59	3,61	4,63
Thermal Power (3)	kW	7,37* (2,84÷6,77)	8,90* (3,56÷8,09)	10,80* (4,69÷10,00)
Absorbed Power (3)	kW	1,47	1,85	2,26
C.O.P. (3)	W/W	4,61	4,37	4,43
Thermal Power (4)	kW	6,90 (2,28÷6,27)	8,80 (2,88÷8,00)	10,30 (3,90÷9,51)
Absorbed Power (4)	kW	1,83	2,40	2,74
C.O.P. (4)	W/W	3,43	3,33	3,47
SCOP (6)	WW	3,92	3,91	4,24
Energy efficiency**		A++ / A+		
Compressor Type		Twin Rotary DC Inverter		
Power supply		230V/1/50Hz		
Fans	n° x kW	1 x 0,15		
External temperature	°C	-20 / +46		
Max operating current	A	13,6	20,4	21,6
Sound Level (7)	dB(A)	62,0	62,5	63,0
Pump Power (3)	kW	0,075	0,075	0,009
Water flow (3)	m³/h	1,16	1,39	1,72
Gas attacks		3/8"		
Liquid attacks		5/8"		
Min. Water Volume	l	31	37	46
Weight in operation	Kg	62,0	62,0	83,5

(1) Cooling: outdoor air temperature 35 °C; water temperature entry/issue 23/18 °C.

(2) Cooling: outdoor air temperature 35 °C; water temperature entry/issue 12/7 °C.

(3) Heating: outdoor air temperature 7 °C b.d. 6 °C b.h. ; temp. water entry/issue 30/35 °C.

(4) Heating: outdoor air temperature 7 °C b.d. 6 °C b.h. ; temp. water entry/issue 40/45 °C.

(5) Cooling: water temperature entry/issue 7/12 °C.

(6) Heating: average climate conditions; T_{biv} = -7 °C; temp. water entry/issue 30/35 °C.

(7) Sound power, condition heating mode (3);

value determined on the basis of measurements carried out in accordance with the UNI EN ISO 9614-2 standard, in compliance with the requirements of the Eurovent certification.

(8) Value for any type of connected indoor unit.

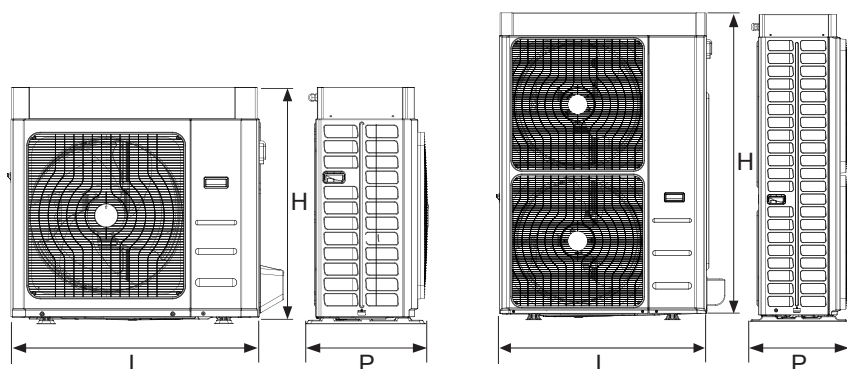
* Maximum power with Hz Max function not enabled by default.

** Water 35 °C / 55 °C

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Outdoor unit dimensions PACK QUATTRO 12 - 14 - 14T - 16T INVERTER



PACK QUATTRO	12	14	14T	16T
L	1047	1060	1060	1060
P	465	455	455	455
H	913	1405	1405	1405

Values in mm

Technical data table for heat pumps PACK QUATTRO 12 - 14 - 14T - 16T INVERTER

DESCRIPTION	U.M.	12	14	14T	16T
Cooling capacity (1)	kW	13,10* (5,40÷11,90)	15,2* (6,70÷13,80)		16,30* (8,70÷15,69)
Absorbed Power (1)	kW	2,65	2,93		3,20
E.E.R. (1)	W/W	4,49	4,72		4,90
Cooling capacity (2)	kW	9,60* (3,27÷8,49)	12,05* (5,30÷11,46)		16,00* (6,30÷14,64)
Absorbed Power (2)	kW	2,74	3,70		4,52
E.E.R. (2)	W/W	3,10	3,10		3,24
SEER (5)	W/W	4,73	4,51		4,77
Thermal Power (3)	kW	12,70* (4,69÷12,10)	15,10* (5,50÷13,76)		15,90* (7,10÷15,21)
Absorbed Power (3)	kW	2,89	3,20		3,45
C.O.P. (3)	W/W	4,19	4,30		4,41
Thermal Power (4)	kW	12,10 (3,90÷11,30)	14,90 (5,30÷13,55)		15,80* (6,50÷15,17)
Absorbed Power (4)	kW	3,32	4,04		4,38
C.O.P. (4)	W/W	3,41	3,35		3,46
SCOP (6)	WW	4,31	4,01		4,07
Energy efficiency**		A++ / A+	A++ / A+		A++ / A++
Compressor Type		Twin Rotary DC Inverter			
Power supply		230V/1/50Hz		400V/3+N/50Hz	
Fans	n° x kW	1 X 0,15	2 X 0,15		
External temperature	°C	-20 / +46			
Max operating current	A	26,1	31,8	10,0	10,6
Sound Level (7)	dB(A)	63,5	65,5		66,0
Pump Power (3)	kW	0,09	0,14		
Water flow (3)	m³/h	2,08	2,37		2,62
Gas attacks		3/8"			
Liquid attacks		5/8"			
Min. Water Volume	l	51	69		88
Weight in operation	Kg	83,5	112,2		123,0

(1) Cooling: outdoor air temperature 35 °C; water temperature entry/issue 23/18 °C.

(2) Cooling: outdoor air temperature 35 °C; water temperature entry/issue 12/7 °C.

(3) Heating: outdoor air temperature 7 °C b.d. 6 °C b.h. ; temp.water entry/issue 30/35 °C.

(4) Heating: outdoor air temperature 7 °C b.d. 6 °C b.h. ; temp.water entry/issue 40/45 °C.

(5) Cooling: water temperature entry/issue 7/12 °C.

(6) Heating: average climate conditions; T_{biv} = -7 °C; temp.water entry/issue 30/35 °C.

(7) Sound power, condition heating mode (3);

value determined on the basis of measurements carried out in accordance with the UNI EN ISO 9614-2 standard, in compliance with the requirements of the Eurovent certification.

(8) Value for any type of connected indoor unit.

* Maximum power with Hz Max function not enabled by default.

** Water 35 °C / 55 °C