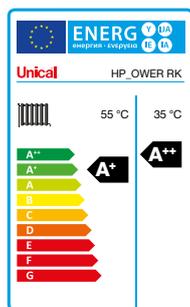


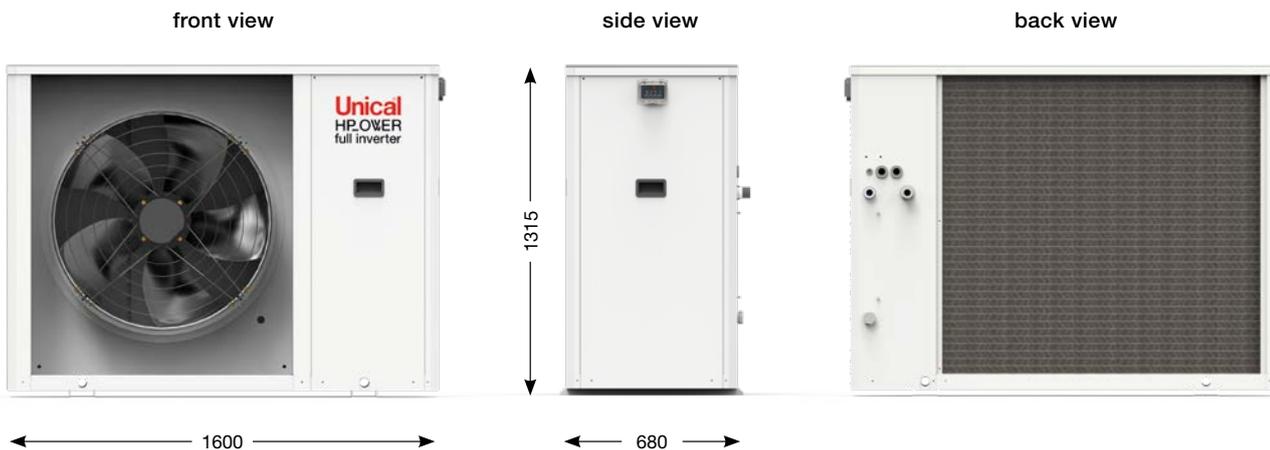
HP_OVER 260-320 RK

FULL INVERTER HEAT PUMPS GAS R32

Ultra compact heat pumps, full inverter, high efficiency, R32 refrigerant, designed for heating, cooling and DHW production. Outdoor installation.

- **Power range: 26 kW - 32 kW**
- **Energy Class A++**
C.O.P. up to 4.09
E.E.R. up to 4.71
- Possibility to configure **in cascade up to 7 machines**
- **Ultra-compact dimensions** in relation to the output power and absorbed power
- Production of hot water up to 60 °C, winter operation down to -20 °C
- **Maximum Hz function** for 6% power increase
- Positioning flexibility guaranteed by compact dimensions and horizontal ejection
- **TWIN ROTARY DC Inverter compressors** with double balanced rotor, guarantee of greater performances and reduced noise emissions
- High modulation and low noise **EC Brushless Fan Motor**
- **Axial fan with high acoustic comfort blades**, thanks to the wing profile with anti-swirling flow shaping, the cause of annoying noises
- **High efficiency inverter circulator** standard supplied
- Water-gas exchanger in stainless steel AISI 304 with high efficiency and heat exchange
- **"FAN SILENT" mode**, which activates a reduction of the motor frequencies increasing the silence of the system
- **Standard antifreeze kit** to optimize the operation of the heat pump in conditions of unfavourable temperatures, consisting of low absorption heating cables, with automatic management and pre-wired electrical connection
- **HYDRONIC KIT** equipped with:
 - High efficiency water-gas plate heat exchanger in stainless steel, for R32
 - Integrated modulating INVERTER circulator
 - Circulation and protection flow switch
 - Automatic air vent, safety valve (6 bar) and fill / drain cock
- **Air-gas exchanger in copper pipes and aluminium fins**. Geometrically designed to have the highest heat exchange and lowest pressure drops
- Possibility of **management via ModBus**.





REMOTE CONTROL
TOUCH SCREEN N
(optional)



CHRONOTERMOSTAT
KTsmart
(optional)



Technical data

HP_OWER		260RK	320RK	
Season EFFICIENCY CLASS in heating mode ($T_{out} = 35/55^{\circ}\text{C}$)		A++ / A+	A++ / A+	
Cooling	Cooling capacity ⁽¹⁾ min-nom-max	kW	12.50 - 26.20 - 27.70*	14.80 - 31.40 - 32.70*
	Cooling capacity ⁽²⁾ min-nom-max	kW	7.80 - 18.70 - 22.70*	10.10 - 26.00 - 27.50*
	Input power ^{(1) / (2)}	kW	5.56 / 6.19	7.08 / 8.65
	E.E.R. ^{(1) / (2)}	W/W	4.71 / 3.02	4.44 / 3.01
	S.E.E.R. ⁽⁵⁾	W/W	4.46	4.73
Heating	Heating capacity ⁽³⁾ min-nom-max	kW	9.50 - 26.00 - 27.30*	11.90 - 32.10 - 33.90*
	Heating capacity ⁽⁴⁾ min-nom-max	kW	9.40 - 25.80 - 27.60*	12.70 - 32.70 - 34.50*
	Input power ^{(3) / (4)}	kW	6.44 / 7.86	7.84 / 9.90
	C.O.P. ^{(3) / (4)}	W/W	4.04 / 3.28	4.09 / 3.30
	S.C.O.P. ⁽⁶⁾	W/W	3.95	4.02
Hydraulic circuit	Water flow rate ⁽⁴⁾	l/s	1.2	1.6
	Available head pressure	kPa	86.5	74.7
	Minimum volume of water	l	110	110
Electric data	Power supply	V/Ph/Hz	400/3/50	400/3/50
	Maximum input power	kW	15	17,6
Weight	Shipping weight	kg	250	265
	Operating weight	kg	240	255
Noise level	Sound power L_w ⁽⁸⁾	dB(A)	73	77
	Sound press. level at a dist. of 1m ⁽⁹⁾	dB(A)	58.1	60.1
	Sound press. level at a dist. of 10m ⁽⁹⁾	dB(A)	42.5	44.5
R32 refrigerant quantity ⁽⁷⁾	kg	4.3	5.1	
External working temperature range	$^{\circ}\text{C}$	-20/+48	-20/+48	

Performance referring to the following conditions:

- (1) Cooling: outdoor air temperature 35 $^{\circ}\text{C}$; in/out water temperature 23/18 $^{\circ}\text{C}$
 (2) Cooling: outdoor air temperature 35 $^{\circ}\text{C}$; in/out water temperature 12/ 7 $^{\circ}\text{C}$.
 (3) Heating: outdoor air temperature 7 $^{\circ}\text{C}$ DB 6 $^{\circ}\text{C}$ WB; in/out water temp 30/35 $^{\circ}\text{C}$.
 (4) Heating: outdoor air temperature 7 $^{\circ}\text{C}$ DB 6 $^{\circ}\text{C}$ WB; in/out water temp 40/45 $^{\circ}\text{C}$.
 (5) Cooling: in/out water temperature 7/12 $^{\circ}\text{C}$.
 (6) Heating: average climatic conditions; $T_{bi} = -7^{\circ}\text{C}$; in/out water temp 30/35 $^{\circ}\text{C}$.
 (7) Indicative data subject to variation. For the correct data, always refer to the technical label on the unit.

- (8) Sound power level: full load unit in heating mode according to EU Regulation 813/2013 for medium and low temperature applications. Value determined on the basis of measurements carried out in accordance with EN 12102-1: 2017, used in conjunction with UNI EN ISO 9614-2 which describes the test with the Intensimetric method. The tolerance on the value of the total sound power level is 2 dB (A).
 (9) Sound pressure level: value calculated from the sound power level using ISO 3744:2010, considering the units in the open field.
 (*) activating the "maximum Hz" function

Performance data declared in points (1), (2), (3) and (4) is intended to refer to instantaneous power according to UNI EN 14511. The value declared in point (5) and (6) is determined according to UNI EN 14825.

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