



VANCOUVER heat pump

Multifunction

Principais Características

- High energetic efficiency (A+++);
- Cooling gas R32;
- Inverter system – compressor, ventilator and circulator pump;
- Hydraulic group included (circulator, expansion vessel, purging system);
- Flexible installation;
- Wi-Fi remote control smart touch;
- Extremely silent;
- Outlet water temperature (°C): **60**;
- Room temperature: -15 °C ~ 45 °C;
- Hydraulic connections DN 25, (screw thread **1" M**);
- Only **415 mm** of thickness.

Descrição do Produto

New range of multifunction heat pumps with hydraulic units integrated allowing heating and cooling, as well as the production of domestic hot water. Can be associated to a fan coil, radiant heating floor and solar energy.

These units have been designed for domestic use or for little commercial spaces. Compact and silent, easy to install and maintain. High energetic efficiency (A+++). High reliability and low costs.

APPLICATION:

- Air-conditioning (heating or cooling) by fan coil
- Hot water production up to **60 °C** (using of an external water heater - optional)
- Radiant heating floor and solar systems

Modelos e Preços

Código	Modelo
2301-0271	Multifunction Heat Pump VANCOUVER 8 (Single-phase)
2301-0272	Multifunction Heat Pump VANCOUVER 10 (Single-phase)
2301-0273	Multifunction Heat Pump VANCOUVER 13 (Single-phase)
2301-0274	Multifunction Heat Pump VANCOUVER 19 (Single-phase)
2301-0275	Multifunction Heat Pump VANCOUVER 13 (Three-phase)
2301-0276	Multifunction Heat Pump VANCOUVER 19 (Three-phase)
2301-0277	Multifunction Heat Pump VANCOUVER 24 (Three-phase)
2301-0286	Multifunction Heat Pump VANCOUVER 30 (Three-phase)



TECHNICAL DATA	VANCOUVER 8 (SINGLE-PHASE)	VANCOUVER 10 (SINGLE-PHASE)	VANCOUVER 13 (SINGLE-PHASE)	VANCOUVER 13 (THREE-PHASE)	VANCOUVER 19(SINGLE-PHASE)	VANCOUVER 19 (THREE-PHASE)	VANCOUVER 24 (THREE-PHASE)	VANCOUVER 24 (THREE-PHASE)
Power supply (V/Hz)	220-240/1/50	220-240/1/50	220-240/1/50	380-415/3/50	220-240/1/50	380-415/3/50	380-415/3/50	380-415/3/50
Heating - power(kW)	2,0 ~ 6,4	3,0 ~ 9,2	4,0 ~ 12,2	4,0 ~ 12,2	6,0 ~ 18,5	6,0 ~ 18,5	7,0 ~ 23	10,0 ~ 30,0
Heating - Power Min. Máx. [Air 7°C - Water30/35°C] (kW)	6,4	9,14	12,2	12,2	18,5	18,5	23,0	30
Heating - Consumption [Air 7°C - Water 30/35°C] (kW)	1,34	2,04	2,73	2,73	4,0	4,0	5,0	7,45
Heating - Consumption [Air 7°C - Water 30/35°C] (A)	5,83	8,87	11,87	4,61	17,39	6,75	8,44	11,32
Heating - COP [Air 7°C - Water 30/35°C]	4,78	4,49	4,47	4,47	4,63	4,63	4,60	4,03
Cooling- Power [Air 35°C - Water 23/18°C] (kW)	6,25	8,99	11,00	11,8	17,82	17,82	21,0	37,23
Cooling - Power [Air 35°C - Water 23/18°C] (kW)	1,54	2,41	3,08	3,08	4,92	4,92	5,66	8,46
Cooling - Consumption [Air 35°C - Water 23/18°C] (A)	6,70	10,48	13,39	5,20	21,39	8,31	9,56	12,85
Cooling - EER [Air 35°C - Water 23/18°C]	4,05	3,73	3,57	3,57	3,62	3,62	3,71	3,22
Class (Water outlet 35°C)	A+++	A+++	A+++	A+++	A+++	A+++	A+++	A+++
Class (Water outlet 55°C)	A++	A++	A++	A++	A++	A++	A++	A++
Nominal Inlet power (kW)	2,53	3,45	3,95	3,95	6,21	6,21	7,10	13,20
Nominal Inlet Current (A)	11	15	17	7,0	27	11	12	22,23
Brand / Compressor Type	Mitsubishi / Rotative	Mitsubishi / Rotative	Mitsubishi / Rotative	Mitsubishi / Rotative	Mitsubishi / Rotative	Mitsubishi / Rotative	Mitsubishi / Rotative	Mitsubishi / Rotative
Coolant	R32	R32	R32	R32	R32	R32	R32	R32
Coolant charge (kg)	1,5	2,25	2,8	2,8	3,9	3,9	4,3	3,56
Protection degree	IPX4	IPX4	IPX4	IPX4	IPX4	IPX4	IPX4	IPX4
Pressure sound from 1 Meter (dB(A))	51	54	54	54	56	56	58	71
Maximum Water Temperature(°C)	60	60	60	60	60	60	60	60
Minimum flow (m3/h)	1,1	1,5	1,9	1,9	3,1	3,1	3,9	5,16
Charge loss (kPa)	14	30	38	38	46	46	52	40
Room temperature(°C)	-15 ~ 45	-15 ~ 45	-15 ~ 45	-20 ~ 45	-15 ~ 45	-20 ~ 45	-20 ~ 45	-20 ~ 45
Dimensions (mm)	1115x415x898	1115x415x898	1115x415x982	1115x415x982	1115x415x1332	1115x415x1332	1115x415x1332	1115x448 x1542
Weight (kg)	80	82	125	125	175	175	180	205

