



Using DC Inverter Heat Pump Technology



ADVANCED TECHNOLOGY FOR PEAK PERFORMANCE

EVO FLEX

HOT WATER & SPACE HEATING/COOLING



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HOT WATER & SPACE HEATING/COOLING

55°C HOT WATER



ADVANCED HEAT PUMP TECHNOLOGY

Air operation range	-20°C to 52°C
Applications	Domestic hot water & space heating/cooling
Features	DC inverter heat pump technology

ADVANCED DC INVERTER TECHNOLOGY

FEATURES

- Latest DC inverter heat pump technology
- One heat pump for hot water and space heating/cooling
- Extremely energy efficient, 30% less energy consumption compared to a fixed speed heat pump
- Reduces energy use and green house gases
- Easy to operate, intelligent colour touch screen controller
- Smart features including, intelligent defrost technology, Mitsubishi compressor, finned heat exchanger
- Works efficiently with floor heating, water fan coils or radiators

ALL-IN-ONE HEAT PUMP

The Evo Flex is a compact all-in-one unit, designed for energy efficient hot water and space heating and cooling. Using the latest technology and innovations, the Evo Flex is the perfect solution for energy efficient domestic hot water and house space heating and cooling.

ENERGY SAVING INNOVATIONS

Engineered with the latest DC inverter heat pump technology, the Evo Flex uses 30% less energy than a common fixed speed heat pump - **REDUCING YOUR ENERGY CONSUMPTION AND SAVING YOU MONEY!**

PRECISE CONTROL

The Evo Flex heat pump automatically changes the operating frequency of the compressor according to the heating or cooling demand, when the target temperature is reached the Evo Flex automatically runs at a lower frequency.

SPEED UP HEATING/COOLING TIMES

When there is a large variation between the actual temperature and the set temperature, the Evo Flex will run at a higher frequency to reach the programmed set temperature sooner.



SAFE & ENVIRONMENTALLY FRIENDLY

Have peace of mind knowing the Evo Flex is safe and environmentally friendly. Unlike other methods of hot water, the Evo Flex produces no harmful gases, is free of potential carbon monoxide hazards and uses environmentally friendly R410A refrigerant.

INTELLIGENT FEATURES



SMART COLOURFUL DISPLAY

Supplied with a 5 inch smart colour touch screen controller that can be installed on the wall.

This convenient and easy to operate controller is applicable to RS485 communication.



INTELLIGENT DEFROSTING

With intelligent defrosting technology, the Evo Flex will automatically start defrosting once the ambient temperature reaches -7°C - protecting your heat pump and ensuring operating efficiency.



QUALITY COMPONENTS

The Evo Flex is designed with quality parts to ensure stable performance and improved efficiency, including the MITSUBISHI compressor, finned heat exchanger and tub-in-shell heat exchanger.

EVO FLEX SPECIFICATIONS		Evo Flex 10	Evo Flex 17	Evo Flex 25
Heating capacity range	kW BTU/h	2.5~10.8 8500~36720	5.0~17.3 17000~58820	7.0~25.1 23800~85340
Heating power input range	kW	0.8~2.77	1.2~4.55	2.5~6.54
Cooling capacity range	kW BTU/h	2.0~10.0 6800~34000	5.0~14.5 17000~49300	7.0~20.0 23800~68000
Cooling power input range	kW	1.0~3.4	1.6~5.6	2.5~9.0
Frequency	Hz	30~90	30~90	30~90
ErP level (35°C)	/	A++	A++	A++
ErP level (55°C)	/	A+	A+	A+
Power supply	/		230/1/50	400/3/50
Electric heater	kW	3.0	/	/
Max. running current	A	18.0+13.7	27.0	14.0
Refrigerant type	/	R410A	R410A	R410A
Refrigerant QTY	kg	2.4	3.2	4.4
Compressor brand	/	Mitsubishi Electric	Mitsubishi Electric	Mitsubishi Electric
Water pump brand	/	Wilo	Wilo	Wilo
Water connection	/	1"	1 1/4"	1 1/4"
Water flow	m ³ /h	1.6	2.8	4.2
Water pressure drop	kPa	22	52	45
Water pump head	m	10	17	18
DC fan motor QTY	/	1	2	2
DC motor max power input	W	136	272	340
DC motor min power input	W	18	36	50
DC max fan speed	rpm	850	850	900
DC min fan speed	rpm	300	300	300
Pressure sensor 1	Bar	0~20	0~20	0~20
Pressure sensor 2	Bar	0~45	0~45	0~45
Noise	dB(A)	54	58	62
Net weight	kg	110	163	219
Net dimension (L/W/H)	mm	980/465/910	990/437/1315	1175/450/1588
Operation ambient temp	°C	-20~52	-20~52	-20~52

Heating: ambient temp: (DB/WB): 7°C/6°C; water temp (in/out): 30°C/35°C. Cooling ambient temp (DB/WB): 35°C/24°C; water temp (in/out) 12°C/7°C. The data above is for reference only. For the most up to date and accurate data please contact your EvoHeat heat pump specialist.



COMPANY PROFILE

At EVO we strive for development and change, a constant progression in our products and systems.

Everything starts with the right advice. Our focus is on you, and your exclusive heating needs. Our overriding principle has always been to excel in introducing the latest technology, What is exclusive to EvoHeat is exclusive to you!

PEACE OF MIND IS A STANDARD FEATURE

EvoHeat is 100% Australian owned and is a leading specialist supplier of heat pumps for domestic and commercial pool applications, hot water and space heating and cooling.



EVO's custom manufacture division can supply heat pumps and chillers for commercial applications exceeding 3600 kW output.

EVO technology leads the world in energy savings and is environmental responsibility. We care for our environment! EVO is registered under the Australian Government's Ozone Protection and Synthetic Greenhouse Gas Act.

EVO has the product range and the capability to supply even the largest water heating and cooling requirements. Applications as diverse as domestic and commercial hot water, industrial water heating and cooling, aquaculture and agriculture are met with a complete range of products that exceed client expectations every time.



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