

AIR-TO-WATER INVERTER HEAT PUMPS

EcoAir 614M, 622M

Three-phase heat pumps with a scroll compressor and speed control (inverter), offering a long service life. They work down to -22°C outdoor temperature and offer heating water temperature up to 65°C.

The advantage of an inverter heat pump is the adjustment of the power to the actual requirements of the house with regard to space and DHW heating.

These heat pumps install easily, offering a high COP and an extremely low noise level. The feature of smart defrosting keeps monitoring the condition of the heat pump and starts defrosting for the shortest necessary time only when it is really needed which contributes to high efficiency of these heat pumps.



**Energy Efficiency Class for the set with controller under average climate conditions for low-temperature application*

- New scroll compressor with speed control and a long service life
- Smart defrost
- SCOP up to 4.93
- Energy efficiency class with controller A+++
- Suitable to be combined w. three-phase PV systems

TECHNICAL DATA				EcoAir 614M	EcoAir 622M
Heat output			[kW]	3-13	4-24
Seasonal coefficient of performance SCOP			[-]	4.9	4.93
Air/water temperature in °C	A7/W35* 20 ot./s	Heat output	[kW]	2.55	4.75
		Power input	[kW]	0.54	0.94
		COP	[-]	4.71	5.07
	A2/W35* 50 ot./s	Heat output	[kW]	5.31	8.27
		Power input	[kW]	1.31	2.19
		COP	[-]	4.05	3.78
	A-7/W35* 120 ot./s	Heat output	[kW]	8.69	13.99
		Power input	[kW]	3.94	6.03
		COP	[-]	2.21	2.32
Dimensions and weight		Width	[mm]	1245	1375
		Height	[mm]	1080	1180
		Depth	[mm]	545	645
		Weight	[kg]	174	192
Sound power level			[dB(A)]	52	55
Sound pressure level at distance of:		5 m	[dB(A)]	33	36
		10 m	[dB(A)]	27	30
Code			[-]	17156	17157

**Values measured according to EN 14511 incl. defrost cycle*

EcoAir 600M heat pumps are supplied without circulation pumps. They shall be installed exclusively either with CSE IR pump stations (see page 24) or with indoor units (see pages 18-23).