

## EcoAir 510M Inverter Air-to-Water Heat Pump

An Air-to-Water Heat Pump that draws energy from the ambient air (under outdoor temperature as low as -22°C), “pumps” it to a higher temperature and transfers it into heating water. Its flow temperature can reach as much as 65°C. This is a single-phase inverter heat pump, equipped with output modulation that guarantees efficient operation adjustment depending on current conditions.



- SCOP 4.4
- Energy efficiency class with controller A+++
- Designed for use with single-phase PV panels

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

These heat pumps install easily, offering a high COP and extremely low noise level. The smart defrosting function monitors the condition of the heat pump continuously, starting defrosting only for an inevitable period and only when it is really needed which contributes to high efficiency of these heat pumps.

### Technical Data

			EcoAir 510M	
Output			[kW]	2-11
SCOP			[-]	4.4
Air/water temperature in °C	A7/W35* 20 ot./s	Heat output	[kW]	2.52
		Power input	[kW]	0.54
		COP	[-]	4.67
	A2/W35* 50 ot./s	Heat output	[kW]	4.74
		Power input	[kW]	1.37
		COP	[-]	3.47
	A-7/W35* 90 ot./s	Heat output	[kW]	6.60
		Power input	[kW]	2.42
		COP	[-]	2.73
Dimensions and weight		Width	[mm]	1245
		Height	[mm]	1080
		Depth	[mm]	530
		Weight	[kg]	119
Sound power level			[dB(A)]	59.7
Sound pressure level at distance of		5 m	[dB(A)]	40
		10 m	[dB(A)]	33
Code				15676

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

EcoAir 500M heat pumps are supplied without circulation pumps. They shall be installed exclusively with CSE IR 12 load units – see p. 21, or with an EcoZenith i350 Multi-Energy Thermal Store – see p. 14.