# AIR-TO-WATER INVERTER HEAT PUMPS

## EcoAir 510M

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.


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

- SCOP 4.4
- Energy efficiency class with controller A+++
- To be combined w. single-phase PV systems

These heat pumps install easily, offering a high COP and extremely low noise level.

| TECHNICAL DATA | | | | EcoAir 510M |
|---|---|---|---|---|
| Heat output | | | [kW] | 2-11 |
| Seasonal coefficient of performance 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 load units – see p. 24, with a RegulusBOX indoor unit - see p. 20, or with an EcoZenith i360 Multi-Energy Thermal Store – see p. 23.