

CE-ES200

Features:

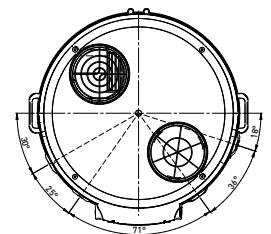
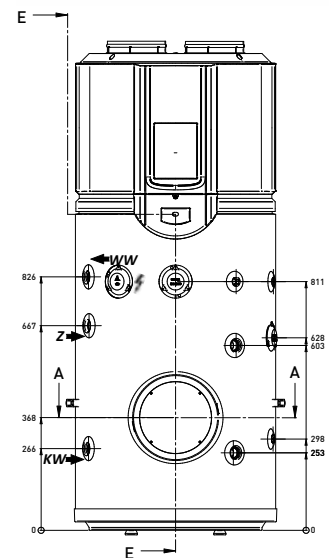
Water heating system with integral air-source heat pump. The system utilizes the use of renewable energy and/or recovered waste heat energy.

- AISI 316L stainless steel tank pickled and passivated, welded with TIG and Plasma technology
- Front inspection hatch (100x150mm)
- Anti corrosion titanium electronic anode
- Thick polyurethane foam insulation (PU)
- Soft external PVC grey coating.
- Heat pump condenser coil wrapped outside the tank
- Environmentally-friendly refrigerant r134a
- Quiet Toshiba Rotary compressor
- 0.9 kW 230V~electric heating element (INOX Incoloy 800)
- Refrigerant pressure safety switches
- Air Supply and exhaust can be ducted from sources of heat
- Operating range with air temperature from -20 +43°C
- Automatic anti-legionella cycle and flexible programming
- Full range of ducting & accessories available
- Modbus Connectivity
- WiFi App
- Smart Grid Ready
- Large 1" Solar coil fitted as standard for secondary heat source
- Option to add a further 3kW independent element for Solar PV diverter or Backup



Specifications:

TECHNICAL DATA		CE-ES200
Capacity	Litres	204
Power Supply	V~/Hz/A	230/50/16
Refrigerant / Charge	Gas/Kg	R134a/1,02
Average Power Input (Heat pump only)	kW	0,627
Electric heating element	kW	0,9
Max Power Input	kW	1,527
Heating time (Heat pump only) ³	Min	200
ErP 2017 Energy Class / Test Profile		A ⁺ /L
Coefficient of performance EN 16147 (15°C) ^{*/**}	COP ^{*/**}	2,66/3,76
Coefficient of performance (26/43°C) ^{***}	COP ^{***}	4,13
Range of hot water	°C	38÷65
Range of use	°C	-20÷43
Range of use (Heat pump only)	°C	-7÷43
Max. noise level	Db (A)	53
Anti-legionella cycle temperature	°C	65
Max. operating pressure ^{1/2}	Mpa	0,6/1,2
Net weight	Kg	101
Heat Exchange surface	m ²	0,80
Primary coil power ^{****}	kW	29,0
Hydraulic connection (KW-WW-Z-PV-PR)	Rp	1"
Number of sensors	Tr	2
Overall Dimensions	mm	650/1594



*Ambient air 15°C, humidity 71%, inlet water temp. 15°C, Outlet water temperature 55°C. **Outlet water temperature 45°C

*** Ambient air 26/43°C, humidity 71%, inlet water temp 15°C, Outlet water temperature 65°C. **** Primary Temperature 80°C / Secondary temp. 10÷45°C

¹Max. operating pressure, ²Max. pressure test according to EN 12897 P.4.4.1 ³Heating time (water temperature 45°C), Ambient temp. 20°C, inlet water temp 15°C