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ABOUT
SMART GREEN ONE

Introducing the Smart Green One – the epitome of cutting-edge technology and eco-friendly design in air-to-water monobloc heat pumps. With the ability to deliver water temperatures of up to 140°F, this powerhouse ensures unparalleled warmth and comfort for your home. But it's not just about performance; the Smart Green One operates at a whisper-quiet 57 dB(A), promising serene living environments without the disruption of noisy machinery. Designed to thrive even in the harshest conditions, it remains highly efficient in temperatures as low as -13°F, guaranteeing reliable operation year-round. And here's the kicker – the Smart Green One is not only efficient in performance but also in sustainability, utilizing R32 refrigerant to minimize environmental impact. Elevate your home heating experience with the Smart Green One, where innovation meets efficiency for a greener, more comfortable tomorrow.

1 One DC Inverter Technology

- High energy efficiency: COP Min/Max (DB / WB Temp. 45°F / 43°F, supply water temp. 95°F, return 86°F) up to 4.38 / 4.79

2 Two Monobloc Design

- Indoor and outdoor units connect effortlessly with water pipes, which eliminating the risk of refrigerant leaks indoors, ensuring a safer environment for homes.
- No on-site refrigerant charging needed.

3 Three Low Ambient Temp. but High-Water Temp.

- The Smart Green One operates efficiently in temperatures as low as -13°F, with auxiliary heat kicking in below that threshold, ensuring continuous comfort.
- The unit is able to provide water temp. up to 140°F.

4 Four Low Noise Level

- With advanced technology including a DC fan motor, insulated compressor, and optimized air duct system, enjoy peace of mind with a sound level as low as 57 dB (A).

5 Five Multi-color Touch Panel

- Vividly and intuitively display various temperatures on the panel.
- The operation icons on the panel are clear and user-friendly, making the operation easy and straightforward.

6 Six Comfort

- Eliminate sudden bursts of heat or cold with gentle indoor temperature fluctuations.
- Maintain optimal indoor humidity levels without experiencing dry mouth and tongue.
- Enjoy comfortable heating without the sensation of wind blow.

7 Seven Easy Installation

- Require only water pipe connections between the Monobloc, Hydraulic Modules, and hydraulic distribution systems.
- Simply connect to the power supply at the terminal for straightforward operation.
- Easily manage the hydraulic distribution system by connecting all control lines to the wiring terminals of the indoor Hydraulic Module or Basic Control Box.

8 Eight Web Platform

- Users are able to view both historical running status and real-time data of their units on Ecoer's web platform.
- Maintenance technicians can adjust settings, view historical running data and monitor real-time data.

9 Nine APP Control

- Users can effortlessly toggle their units ON/OFF, access real-time running data and customize settings such as water temperature, mode and timing to suit their preferences.

Dimensions (in.)			
Monobloc	**W**	**H**	**D**
ESMA-060ADP	45.8	58	16.1

Dimensions (in.)			
Hydraulic Module	**W**	**H**	**D**
EHM1A-060A13	25.6	10.2	21.7

Dimensions (in.)			
Basic Control Box	**W**	**H**	**D**
EHM0A-060A	17.7	5.2	15



Specifications			Unit	ESMA-060ADP
Power Supply / Refrigerant			/	208-230V~60Hz / R32
Max Heating Capacity (A44.6 W95)*			BTU/h	63,229
COP (A44.6 W95)			/	4.38
Heating Capacity Min/Max (A44.6 W95)			BTU/h	31,400 / 63,229
Heating Power Input Min/Max (A44.6 W95)			W	1,905 / 4,191
COP Min/Max (A44.6 W95)			/	4.38 / 4.79
Heating Capacity Min/Max (A44.6 W113)			BTU/h	29,011 / 62,192
Heating Power Input Min/Max (A44.6 W113)			W	2,286/ 5,012
COP Min/Max (A44.6 W113)			/	3.58 / 3.72
Max Cooling Capacity (A95 W64.4)			BTU/h	65,854
EER (A95 W64.4)			/	3.05
Cooling Capacity Min/Max (A95 W64.4)			BTU/h	54,594 / 65,854
Cooling Power Input Min/Max (A95 W64.4)			W	4,689/ 6,301
EER Min/Max (A95 W64.4)			/	3.05/3.41
Max Cooling Capacity (A95 W44.6)			BTU/h	53,912
EER (A95 W44.6)			/	2.89
Cooling Capacity Min/Max (A95 W44.6)			BTU/h	41,969 / 53,912
Cooling Power Input Min/Max (A95 W44.6)			W	3,986 / 5,393
EER Min/Max (A95 W44.6)			/	2.89/ 3.04
Circuit Breaker			A	60
Min.System Water Temprature(Heating/Cooling)			℉	68 / 44.8
Min. Floor Area for installation and storage			ft²	66.7
Min. Area of operation and pipe-work			ft²	66.7
Max. Operation High Pressure			psi	609
Max. Operation Low Pressure			psi	174
Compressor	Type-Quantity/System			Tw in Rotary-1
Refrigerant	Type-Amount		~/lb	R32/5.732
Fan	Quantity		/	2
	Airflow		CFM	3,650
	Read Power		W	90
Noise Level			dB(A)	57
Water Side Heat Exchanger	Type		/	Plate Exchanger
	Water Pressure Drop		psi	3.77
	Pipe Connection		Inch	NPT1-1/4”
Allowable Water Flow	Min, / Rated./ Max.		GPM	10.1/ 14.3 / 19.0
Pipe Connection			Inch	NPT1-1/4”

***A:** Ambient Temperature **W:** Outlet Water Temperature

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