

DATASHEET

# EcoFlow R290 Air To Water Heat Pump

Heating, Cooling, Hot Water, EEV, Wi-Fi, DC fan motor, Built-In Water Pump

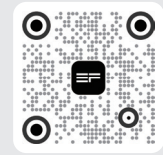
**For installers**



EcoFlow Pro Web Portal  
<https://portal.ecoflow.com/pro/eu>

EcoFlow Pro App

**For users**



EcoFlow Web Portal  
<https://portal.ecoflow.com/user/eu>

EcoFlow App

Model	EF AD-P1-9K0-S1	EF AD-P3-20K-S1	
[Space Heating] Ambient Temp. (DB/WB): 7°C/6°C, Water Temp. (Inlet/Outlet): 30°C/35°C.	Heating Capacity (kW)	3.50-8.81	6.70-20.36
	Input Power (kW)	0.58-1.89	1.12-4.62
	Heating Current Input Range (A)	2.65-8.18	1.79-7.17
	COP	6.00-4.65	5.98-4.40
[Space Heating] Ambient Temp. (DB/WB): 7°C/6°C, Water Temp. (Inlet/Outlet): 50°C/55°C.	Heating Capacity (kW)	3.15-7.98	5.80-18.48
	Input Power (kW)	0.68-2.55	1.26-6.29
	Heating Current Input Range (A)	3.11-11.00	2.02-10.06
	COP	4.63-3.13	4.60-2.94
[Space Cooling] Ambient Temp. (DB/WB): 35°C / -, Water Temp. (Inlet/Outlet): 12°C/7°C.	Cooling Capacity (kW)	1.53-5.96	4.40-14.40
	Input Power (kW)	0.33-2.11	0.95-4.69
	Cooling Current Input Range (A)	1.51-9.13	1.52-7.26
	EER	4.64-2.82	4.63-3.08
[Hot Water] Ambient Temp. (DB/WB): 20°C/15°C, Water Temp. from 15°C to 55°C.	Heating Capacity (kW)	9.33	22.69
	Input Power (kW)	2.14	5.19
	Heating Current Input Range (A)	9.8	7.95
	COP	4.35	4.37
General Info	Power Input Voltage (V), Frequency (Hz)	220-240 (L+N+PE), 50	380-415 (3L+N+PE), 50
	Max. Input Power (kW)	4	6.8
	Max. Running Current (A)	18.3	11.6
	Max. Outlet Water Temp. (°C)	75	
	Compressor Brand, Quantity	HIGHLY, 1	
	Refrigerant Type	R290	
	Water Side Heat Exchanger	Plate Heat Exchanger	
	Air Side Heat Exchanger	Fin Heat Exchanger	
	4-Way Valve	Built-in	
	Flow Switch	Built-in	
	Fan Motor Type	DC motor	
	High Pressure Switch	Yes	
	Low Pressure Switch	Yes	
	Water Pipe Connection (inch)	G1 1/4"	
	Rated Water Flow (m³/h)	1.5	3.44
	Water Pressure Drop (kPa)	37	68
	Sound Pressure Level at 1m (dB(A))	43-49	44-56
	Sound power level at 1m (dB(A))	58-64	60-72
	ErP Level (35°C)	A+++	
	ErP Level (55°C)	A++	
	Operation Range (°C)	-25~43	
	Circulating Pump Brand	SHINHOO	
	Expansion Tank (L)	2	5
	Fan Motor Type	DC	DC
	Fan Quantity (PCS)	1	2
	Display	4-inch Colored Touch Screen	
	Wi-Fi Function	YES	
	Water Proof Class	IPX4	
Electricity Shock Proof	I		
Net Weight (kg)	115	180	
Net Dimensions (WxDxH) (mm)	1263x440x875	1263x440x1375	
Package Dimensions (WxDxH) (mm)	1327x455x1000	1327x455x1510	
20GP Container Quantity (set)	40	20	
40HQ Container Quantity (set)	84	84=42(160HC-200HC) + 42(90HC or 130HC)	

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