TECHNICAL DATA

Model	Unit	BLN-004TG1	BLN-006TG1	BLN-010TG1	BLN-016TG1	BLN-010TG3	BLN-016TG3
Power supply	/	220-240-/50Hz				380-415/3N-/50Hz	
Test Standard: EN14511 Ambient Temperature:7℃/6℃(DB/WB),Water Inlet/Outlet: 30℃/35℃							
Heating Capacity	kW	4	6	10	16	10	16
Power Input	kW	0.79	1.20	1.99	3.25	1.99	3.25
COP	w/w	5.05	5.00	5.03	4.93	5.03	4.93
Test Standard: EN14511 Ambient Temperature:7℃/6℃(DB/WB),Water Inlet/Outlet: 47℃/55℃							
Heating Capacity	kW	4	6	10	16	10	16
Power Input	kW	1.24	1.88	3.13	5.00	3.13	5.00
COP	w/w	3.20	3.20	3.20	3.20	3.20	3.20
Test Standard: EN14511 Ambient Temperature:35℃/24℃(DB/WB), Water Inlet/Outlet: 12℃/7℃							
Cooling Capacity	kW	3.5	5.4	9	14	9	14
Power Input	kW	1.39	1.74	2.90	4.52	2.90	4.52
EER	w/w	3.10	3.10	3.10	3.10	3.10	3.10
Test Standard: EN14511 Ambient Temperature:35℃/24℃(DB/WB), Water Inlet/Outlet: 23℃/18℃							
Cooling Capacity	kW	3.5	5.4	9	14	9	14
Power Input	kW	1.01	1.25	2.12	3.42	2.12	3.42
EER	w/w	4.21	4.32	4.24	4.09	4.24	4.09
Test Standard:EN14825-2022 Low temperature application(35℃)							
SCOP	/	5.10	5.07	5.03	4.96	5.03	4.96
Energy Efficiency Class	/	A+++					
Test Standard:EN14825-2022 Medium temperature application(55℃)							
SCOP	/	3.95	3.92	4.01	3.95	4.01	3.95
Energy Efficiency Class	/	A+++					
Operation Mode: Heating							
Operating Range	℃	-25-25					
Water Outlet Temp. Range	℃	20-75					
Operation Mode: Cooling							
Operating Range	℃	5-45					
Water Outlet Temp. Range	℃	5-25					
Operation Mode: DHW							
Operating Range	℃	-25-45					
Water Outlet Temp. Range	℃	20-65					
Test Standard:EN12102-2022 Ambient Temperature:7℃,Water Outlet: 35℃							
Sound Pressure Level	dB(A)	33	34	35	38	35	38
Sound Power Level	dB(A)	46	47	48	51	48	51
Test Standard:EN12102-2022 Ambient Temperature:7℃,Water Outlet: 55℃							
Sound Pressure Level	dB(A)	39	40	35	38	35	38
Sound Power Level	dB(A)	53	54	48	51	48	51
Power Input Max.	kW	1.8	3.5	5.4	7.5	5.85	7.5
Current Input Max.	A	8.07	15.69	24.20	33.62	9.93	12.74
Refrigerant Weight	kg	0.65	0.8	1.05	1.3	1.05	1.3
Refrigerant Type	/	R290					
Operation Pressure (Low Pressure Side)	MPa	0.8					
Operation Pressure (High Pressure Side)	MPa	3.0					
Maximum Allowable Pressure	MPa	3.2					
Water Piping Connections	Inch	G1"	G1"	G1"	G1-1/4"	G1-1/4"	G1-1/4"
Expansion Tank	L	/	6				
Water Pressure Drop	kPa	15	20	20	25	20	25
Water Pressure Min/Max	MPa	0.1/0.3					
Water Flow Rated	m^3/h	0.7	1.03	1.72	2.75	1.72	2.75
Net Dimension (L*W*H)	mm	1250*500*900		1450*535*1070			
Net Weight	kg	110	136	175	190	175	190
Gross Weight	kg	125	150	190	205	190	205

* Please refer to the nameplate for product upgrades or changes in specifications without prior notice.
* Draft parameters, refer to final specifications for actual performance.

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Website Facebook LinkedIn YouTube



QuietEdge Thermal R290

Ultra-Quiet R290 Heat Pump
for A Sustainable Home

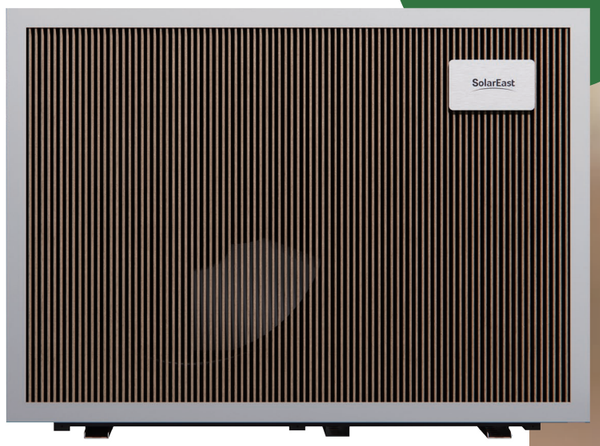


QuietEdge Thermal R290 Monobloc

Ultra-Quiet & Eco-Friendly Heating Solution

A Heat Pump for a Greener Tomorrow







What is QuietEdge Thermal R290?

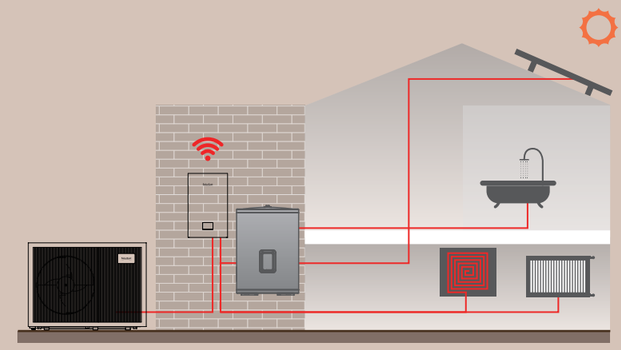
The QuietEdge Thermal R290 Monobloc is an ultra-quiet, energy-efficient heat pump designed for modern homes. Using R290 refrigerant with an ultra-low GWP of 3, it delivers eco-friendly heating with A+++ efficiency.
With advanced noise reduction technology, QuietEdge Thermal operates at an exceptionally low sound level, ensuring a peaceful home environment. Its sleek design blends seamlessly with any home style, while smart IoT controls provide effortless operation.

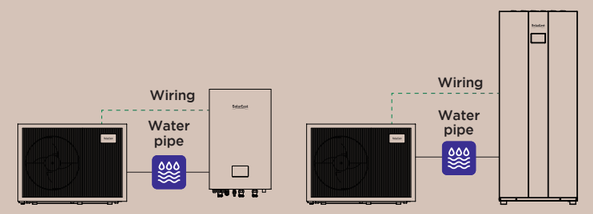
Product Range

Line-up	Voltage	4.0kW	6.0kW	10.0kW	16.0kW
R290 Monobloc	1 Ø 220-240V	●	●	●	●
	3 Ø 220-240V			●	●

Key Features

- A+++ energy efficiency at 55°C
- 4-16kW heating capacity
- Ultra-low noise 35dB(A)
- IoT monitoring & OTA updates
- 16-unit cascade compatibility
- High water outlet temperature up to 80°C
- Stable operation down to -25°C
- R290 refrigerant with ultra-low GWP (3)





Hydro Unit Combi Unit

Excellent performance & efficiency

A+++ at 55°C

80°C Outlet Water Temp

-25°C Operating Temp

Ultra-Quiet 35 dB(A)

R290 Refrigerant

Smart IoT Control

Solar Compatible