

# Air to Water Heat Pump Altire Series



## Altire series



### High Performance

- SCOP level: A+++
- Maximum leaving water temperature of 80°C
- Integrated with PV and ESS to maximize green energy self-consumption



### Ultimate Comfort

- R290 natural refrigerant, low GWP and a low-carbon lifestyle
- Extremely quiet operation with low noise level



### Flexibility

- Available in 3 capacity sizes (4 to 6 kW), suitable for passive house, apartment, holiday home. renovation of existing buildings
- Heating + Cooling + Domestic Hot Water (DHW)
- Compact design for easy installation in limited spaces



### Intelligent Control

- Smart App control supports remote monitoring, operation, and OTA updates
- Highly interoperable, SG ready, Modbus TCP/RTU supported
- Brushless DC motor enables stepless speed regulation

Model			ALT04-SF3	ALT05-SF3	ALT06-SF3
Power Supply	V / Ph / Hz		220-235 1N ~ 50	220-235 1N ~ 50	220-235 1N ~ 50
Heating (A:-7°C W:30 / 35°C)	Capacity	kW	4.5	5	5.85
	Rated input power	kW	1.43	1.69	2.09
	COP		3.15	2.95	2.8
Heating (A:-7°C W:47 / 55°C)	Capacity	kW	4.7	4.95	5.2
	Rated input power	kW	2.04	2.20	2.36
	COP		2.3	2.25	2.2
Heating (A:7/6°C W:30 / 35°C)	Capacity	kW	4.60	5.30	6.25
	Rated input power	kW	0.87	1.04	1.25
	COP		5.30	5.10	5.00
Heating (A:7/6°C W:47 / 55°C)	Capacity	kW	4.65	5.55	6.45
	Rated input power	kW	1.37	1.71	1.98
	COP		3.40	3.25	3.25
Cooling (A:35°C W:23 / 18°C)	Capacity	kW	4.75	5.75	6.90
	Rated input power	kW	0.87	1.12	1.42
	EER		5.45	5.15	4.85
Cooling (A:35°C W:12 / 7°C)	Capacity	kW	4.80	5.80	6.80
	Rated input power	kW	1.33	1.76	2.13
	EER		3.60	3.30	3.20
Seasonal space heating energy efficiency class <sup>①</sup>	LWT at 35°C		A+++	A+++	A+++
	LWT at 55°C		A+++	A+++	A+++
Electric heat power input	kw		3		
Compressor	Type		Rotary DC inverter		
Outdoor Fan	Motor Type		Brushless DC motor		
	Number of Fans		1		
Throttle Type			Electronic expansion valve		
Air side heat exchanger	Type		Finned tube		
Water side heat exchanger	Type		Plate type		
Refrigerant	Type / GWP		R290 / 3		
	Factory Charge(kg)		0.74		
Sound power level <sup>②</sup>	dB		48		
Sound pressure level at 1m <sup>③</sup>	dB		33		
Sound pressure level at 3m <sup>④</sup>	dB		29		
Net dimensions(W x H x D)	mm		1100 x 400 x 865		
Net Weight	kg		103		
Piping connection			G1		
Operation range	Heating	°C	-25 ~ 35		
	Cooling	°C	5 ~ 46		
	DHW	°C	-25 ~ 46		
Water outlet	Heating	°C	25 ~ 80		
	Cooling	°C	5 ~ 25		
	DHW	°C	25 ~ 70		
Installation			Floor stand / Bracket mounting		
User Interface			4 inch high-resolution touch panel		
Communication			WiFi / Ethernet / RS485		

① Relevant EU standards and legislation: EN14511; EN14825; EN50564; EN12102; (EU) No 811/2013; (EU) No 813/2013; OJ 2014/C 207/02

② Sound power level test condition: EN12102-1

③ Sound pressure level at 1m is the maximum value tested under the condition of A7W55

④ Sound pressure level at 3m is the maximum value tested under the condition of A7W55