



Domestic Hot Water - ATLAS ATHW



Model without/with solar coil	UM	ATHW-20a/200Lw	ATHW-20a/200L	ATHW-20a/300Lw	ATHW-20a/300L	ATHW-40a/500Lw	ATHW-40a/500L
Power supply	V/Ph/Hz	220-240/1/50					
Water Tank Volume	Litri	200	200	300	300	500	500
ACM Profile***		L	L	XL	XL	XXL	XXL
Nominal heating capacity*	kW	2,02	2,02	2,02	2,02	3,8	3,8
Heating capacity (7/6°C)**	kW	1,21	1,21	1,35	1,35	2,51	2,51
Heating time (7/6°C)**	h	4,04	4,04	7,03	7,03	8,75	8,75
COP (7/6°C)****	W/W	2,756	2,756	2,708	2,708	2,762	2,762
Energy Class (7/6°C)****		A	A	A	A	A	A
Standby power input(7/6°C)***	W	26	26	34	345	36	36
Heating capacity (14/13°C)**	kW	1,53	1,53	1,58	1,58	2,92	2,92
Heating time (14/13°C)**	h	5,86	5,86	8,72	8,72	7,65	7,65
COP (14/13°C)****	W/W	2,863	2,863	2,935	2,935	3,052	3,052
Maximum input power	W	700 + 1600 (electric resistance)	700 + 1600 (electric resistance)	700 + 1600 (electric resistance)	700 + 1600 (electric resistance)	1420+1600 (electric resistance)	1420+1600 (electric resistance)
Current maxim	A	3.2+ 6.8 (electric resistance)	3.2+ 6.8 (electric resistance)	3.2+ 6.8 (electric resistance)	3.2+ 6.8 (electric resistance)	6.2+6.8 (electric resistance)	6.2+6.8 (electric resistance)
Maximum outlet water temperature range (without E-heater electric heater)	°C	60	60	60	60	60	60
Maximum water temperature	°C	70	70	70	70	70	70
Outdoor working temperature	°C	-5-43	-5-43	-5-43	-5-43	-5-43	-5-43
Type of refrigerant		R134a					
Refrigerant loading	g	880	880	880	880	1450	1450
Compressor	Type	Rotary	Rotary	Rotary	Rotary	Rotary	Rotary
	Brand	GMCC	GMCC	GMCC	GMCC	GMCC	GMCC
	Model	PJ125G1C-4DZDE	PJ125G1C-4DZDE	PJ125G1C-4DZDE	PJ125G1C-4DZDE	PJ250M2C- 4FT	PJ250M2C- 4FT
Motor ventilator	Type	Asynchronous motor	Asynchronous motor	Asynchronous motor	Asynchronous motor	Asynchronous motor	Asynchronous motor
	W	80	80	80	80	60	60
	RPM	1280	1280	1280	1280	1130	1130
Airflow	m³/h	450	450	450	450	400	400
Air Duct Diameter	mm	177	177	177	177	177	177
Maximum permissible tank pressure	bar	10	10	10	10	10	10

The material inside the tank body	inox	SUS 304	SUS 304	SUS 304	SUS 304	SUS 304	SUS 304
Auxiliary electric heater	kW	1.6 (incoloy825)	1.6 (incoloy825)	1.6 (incoloy825)	1.6 (incoloy825)	1.6 (incoloy825)	1.6 (incoloy825)
Electronic Expansion Valve		✓	✓	✓	✓	✓	✓
Anod electronic		✓	✓	✓	✓	✓	✓
Solar heat exchanger		x	✓ (SUS316~ 1 m ²)	x	✓ (SUS316~ 1 m ²)	x	✓ (SUS316~ 1 m ²)
Hot water outlet	inch	G 3/4	G 3/4	G 3/4	G 3/4	G 1	G 1
Solar heat source inlet/outlet	inch	G 3/4	G 3/4	G 3/4	G 3/4	G 3/4	G 3/4
Cold water inlet	inch	G 3/4	G 3/4	G 3/4	G 3/4	G 1	G 1
Size of water drain	inch	G 3/4	G 3/4	G 3/4	G 3/4	G 3/4	G 3/4
Condensed water outlet	inch	G 1/2	G 1/2	G 1/2	G 1/2	G 1/2	G 1/2
Material of heat pump coil		Aliaj de aluminiu					
Net Dimensions	mm	φ560x1750		φ640x1850		φ700x2250	
Packing Dimensions	mm	629x629x1892		695x695x1989		755x755x2370	
Net Weight	kg	90		97		122	
Gross Weight	kg	100		101		132	
Sound power level *****	dB (A)	60	60	59	59	59.8	

(*) Capacities and power inputs based on the following conditions:

- Heating: Ambient temperature 20°C/15°C, Water temperature from 15°C to 55°C.

(**) Capacities and Heating Time based on ERP(EN16147) for Stage A , water temp heating from 10°C to 53°C.

(***)Standby power input based on ERP(EN16147) for Stage B

(****)COP and Energy Class based on ERP(EN16147) for Stage C with tapping cycle M/L/XL/XXL

(*****Noise is tested according to EN 12102