

atlantic

Experts in **Electric Heating and Hot Water**



CALYPSO

HEAT PUMP HOT WATER HEATER



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Utilising heat pump technology to efficiently heat hot water, the Calypso features an adjustable air inlet and outlets to provide easy installation and is Cozytouch compatible allowing users to control the Calypso from their smart device with ease.

WARRANTY

5 years tank

2 years other components



Cozytouch
Compatible

PRODUCT DETAILS			
BRAND		ATLANTIC	
PRODUCT REFERENCE		CALYPSO FS 172L	CALYPSO FS 210L
MODEL CODE/NUMBER		AH876509	AH886123
PRODUCT NAME		ATL CV4 STAINLESS STEEL FS 172L	ATL CV4 STAINLESS STEEL FS 210L
PCDB INDEX NUMBER		107017	107018
HEAT PUMP PERFORMANCE			
Air operating range (ducted configuration)	°C	-5°C to 43°C	
Air operating range (Ambient air configuration)	°C	5°C to 43°C	
Achievable hot water temp via heat pump	°C	62°C	
Max. Electrical power input (heat pump AND immersion)	W	650 + 1600 = 2250	
Max. Thermal power output from heat pump ONLY at 45°C	W	1345	
Sound power level	dB(A)	49	
Refrigerant	-/kg	R134a / 0,85kg	R134a / 0,86kg
Coefficient of performance (M profile, 7°C)	-	2.78	2.81
Energy efficiency (η _{wh})	%	117	118.4
Heating time from cold (10°C to 54°C)	hr	5h 48	7h 18
Standing power input	W	19	19
Maximum usable hot water volume (V40, EN16147(2017))	litres	228	285.2
Pressure loss during test	Pa	60.0	54.3
Airflow during test	m ³ /hr	387.0	402.6
Coefficient of performance (L profile, 7°C)	-	3.15	3.02
Energy efficiency (η _{wh})	%	129.4	124.35
Heating time from cold (10°C to 54°C)	hr	5h 44	7h 27
Standing power input	W	17	20
Maximum usable hot water volume (V40, EN16147(2017))	litres	227.0	285.1
Pressure loss during test	Pa	58	57
Airflow during test	m ³ /hr	386	391.6
DUCTING			
Air flow (ducted configuration)	m ³ /hr	290m ³ /h (ambient air configuration) to 400 m ³ /h (ducted configuration @50Pa)	
Air ducting method		Separate inlet & outlet to exterior Or without ducting system (ambient air)	
Air duct diameter	mm	160	
Max. Ducting pressure drop		50 Pa @ 400 m ³ /h >> COP=3,15 with 172L HPWH [L profile @7°C/86%RH] 150 Pa @ 240 m ³ /h >> COP=2,81 with 172L HPWH [L profile @7°C/86%RH]	
DIMENSIONS AND CONNECTIONS			
Dimensions	mm	1700 x 605 x 695	1940 x 605 x 695
Weight with packaging	kg	96,6kg	97kg
Weight without packaging	kg	83,6kg	84kg
Water connections	mm	22mm	
Condensate tube	mm	16 int / 20 ext	
Average condensation production at 7°C - 86% RH	L/h	0.34	
Electrical supply (nominal voltage)	V	230V 50Hz +15%/-10%	
IP rating		IPX1B	
RCBO/MCB Type C	Amp	16	
HOT WATER CYLINDER			
Body Material		Duplex Stainless steel	
Insulation thickness (cylinder body to case)	mm	63	
Maximum water supply pressure	bar	12	
Maximum inlet pressure (pressure regulator)	bar	3.0	
Maximum design pressure (expansion relief pressure)	bar	4.5	
Temperature and pressure relief valve (EN1490)	°C	90-95	
	bar	6	
Integrated electric immersion	W	1600	
Max temperature with immersion	°C	62°C	
Over heat thermostat operating temperature	°C	80 +/-5	
Cylinder Capacity	litres	172	210
	W	51	58
Heat loss	W	51	58
	kWhr/24hr	1.23	1.39
ErP Rating		A+	A+
Expansion vessel size	litres	22	22
Expansion vessel pre-charge	bar	3	