

Air & Water Essential DHW

Domestic Hot Water



An energy efficient domestic hot water (DHW) kit provides low-cost climate control and water heating, all cleverly powered by just one heat pump.

OVERVIEW

Air & Water Essential DHW provides a low cost means of heating or cooling your home and also heating your domestic hot water, all powered by a standard Fujitsu E3 heat pump.

The difference with Ata Touch: It uses the same heat pump to both heat or cool the air and heat your hot water.

This minimises your capital outlay whilst maximising your return on investment through significant energy savings.

FEATURES

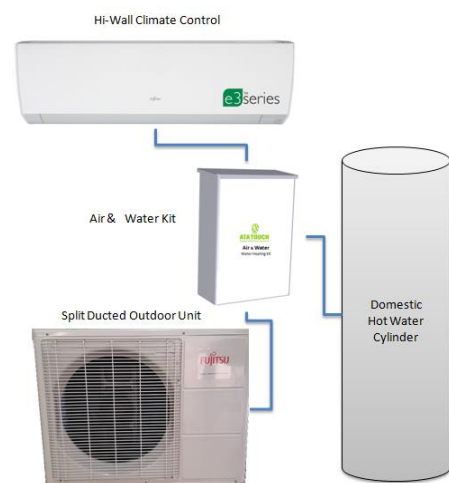
- **Electricity** – a predominantly renewable energy source in NZ – eliminates gas line charges – a great choice for the environment.
- **Cheaper** – saves up to 66% of your water heating bill – further reductions on your air heating bill
- **Faster** - heats water greater than twice as fast as other sources.
- **Smarter** - optimises water heating based on your use – maximises water heating to minimise cost - ensures hot water is available when you need it.
- **Safer** – heats your water once a week above 60°C for 60 minutes for legionnaire's protection.
- **Optional** - event scheduling to better manage your lifestyle and water heating needs.



FUNCTIONS

The Air & Water Essential DHW kit determines whether water is being heated or whether your room requires heating or cooling. Ata Touch also better manages the process to create greater efficiencies by directly controlling the temperature set point more accurately.

Air & Water Essential DHW can run either stand alone or integrated with the Ata Touch automation system.



Ata Touch Air & Water Essential DHW

Electrical	Power Supply		1, 230, 6, 50	Ø, V, A, HZ	
	Electric Element (max)	Switched	3	KW	
Performance	Nominal Capacity	Heating	6.0 to 10.3	KW	
	Water Temperature Range	Heating	15 to 54	°C	
Water	Pipe Size	In - Out	20 (3/4) BSP	mm (inch)	
	Distance to Cylinder (Max)		15	m	
	Water Pump (max pressure)	3 speed	1.1, 1.9, 3.2	m ³ /h	
Head Height (max)	1, 4, 7		m		
Sound	Sound Pressure	Heating	5	dB(A)	
Operating Range	Ambient (Air to Water)	Heating	-20 to 32	°C	
Dimensions	Weight		18	kg	
	Dimensions (WxHxD)		310 x 450 x 230	mm	
Refrigeration	Powered By	Fujitsu e3 Split ASTG18KMCA to ASTG34KMCA			
	Refrigerant	Type	R32		
	Pipe Size (outdoor to A&W)	Liquid	6.35 (1/4)	mm (inch)	
		Gas	12.70 (1/2)	mm (inch)	
	Pipe Size (A&W to Hi-Wall)	Liquid	6.35 (1/4)	mm (inch)	
		Gas	12.70 (1/2)	mm (inch)	
	Installation restrictions	Length	30	m	
		Height	30	m	
	Charge (e3 pre charge (1270g) upto 20m + 20g per additional metre + A&W charge)			200	g
	COP (ave 16 to 54°C) @ Ambient 22°C		Heating	3.6	W/W

Ata Touch – Energy Efficient Smart Home - Solution

HEAT PUMP	SECURITY	FEATURES	LIGHTING	DEVICE CONTROL
Hi-Wall split Ducted zone controlled Domestic hot water Spa pool Swimming pool Underfloor heating	Intrusion detection Smoke detection Monitored	Away shutdown mode Scheduling Realtime clock Photo frame Smart device app Graphical configuration Diagnostics	Mood lighting Night motion lighting Smart device lighting General lighting Feature lighting Garden lighting Outdoor lighting Path lighting	Extractor fan Blind Curtain Gas fire Window Gates Garage Doors Doors Water systems

Air & Water Essential DHW is part of a holistic Energy Efficient Smart home system known as Ata Touch.
For more information

Contact Ata Touch sales@atatouch.co.nz to find out more about how to best control your home