

Air & Water Essential UFH

Underfloor Heating



An energy efficient kit provides low-cost climate control in your home and single hydronic underfloor heating, all cleverly powered by one heat pump.

OVERVIEW

Air & Water Essential UFH provides a low cost means of air heating or cooling your home, as well as hydronically heating your floors, 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.

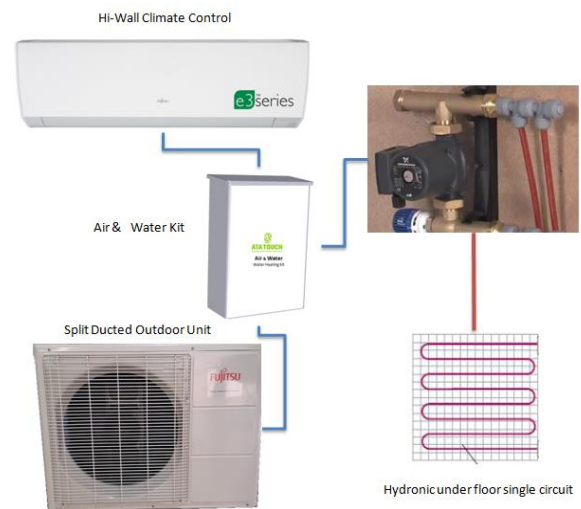


FEATURES

- Provides the best of both worlds with climate control via hi-wall air flow as well as hydronic underfloor heating from a common heat pump.
- Uses less electricity – saves up to 66% of your spa heating bill – and heats water up to twice as fast as an electric element or gas.
- Uses electricity – in NZ a predominantly renewable energy – a great choice for the environment.
- Optional multi zone isolation and control available for hydronic circuits.
- Powered by one of the most trusted heat pump manufacturers, Fujitsu. The Fujitsu e3 Classic series uses a new thermodynamic system to heat or cool your home. Hi-Wall models are equipped with four fan speeds including quiet fan mode, allowing some of the indoor units to operate as low as 21 or 22 decibels.

FUNCTIONS

The Air & Water Essential UFH kit determines whether underfloor hydronics is being heated or air climate controlled (heated or cooled). Ata Touch also better manages the process to create greater efficiencies by directly controlling the temperature set point more accurately. Air & Water Essential UFH can run either stand alone or integrated with the Ata Touch automation system.



Ata Touch Air & Water Essential UFH

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 Manifold (Max)		15	m
	Water Pump (max pressure)		3.2	m ³ /h
	Head Height (max)		2	m
	No. Circuits		1 to 6	
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) up to 20m + 20g per additional meter + A&W charge)		200	g
COP (ave 16 to 54°C) @ Ambient 22°C	Heating	4	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