

Air & Water Advanced UFH Underfloor Heating



An energy efficient kit provides low-cost ducted climate control and multi zone hydronic underfloor heating all cleverly powered by one heat pump.

OVERVIEW

Air & Water Advanced UFH provides multi zone ducted air heating or cooling for up to six areas in your home and multi-zone hydronic underfloor heating for up to six zones. Each zone has a touch switch to provide on/off control, temperature setting and area temperature sensing. A central Touch Screen Controller provides systems management and provides connectivity to your wireless router for smart app operation over the LAN or remote internet access.

FEATURES

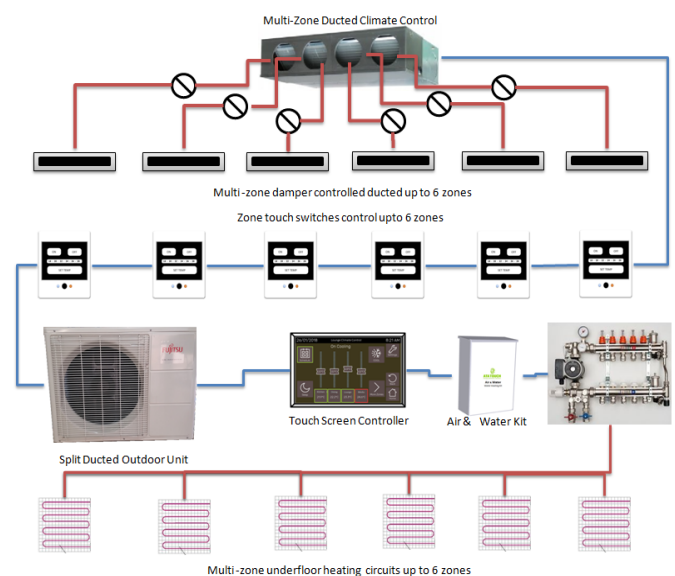
- Individual multi zone ducted with dynamic damper control. Up to six zones.
- Individual multi zone underfloor circuit control. Up to six zones.
- 7.5" Touch screen controller for user access and system control.
- Smart device enabled over LAN and internet.
- Touch switch for zone temperature sensing and local user control.
- Uses electricity – in NZ a predominantly renewable energy – a great choice for the environment.
- Powered by one of the most trusted heat pump manufacturers, the Fujitsu split ducted series is sized to suit. Whisper quiet, units operate as low as 25 to 29 decibels.



FUNCTIONS

The Air & Water Advanced UFH kit determines whether underfloor hydronics is being heated or the 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 Advanced UFH can run either stand alone or integrated with the Ata Touch automation system.



Ata Touch Air & Water Advanced 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. Controlled Circuits		10		
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 Split Ducted SET-ARTG30LHTDP to SET-ARTG54LHTDP			
	Refrigerant	Type	R410A		
	Pipe Size (outdoor to A&W)	Liquid	9.52 (3/8)	mm (inch)	
		Gas	15.875 (5/8)	mm (inch)	
	Pipe Size (A&W to Ducted)	Liquid	9.52 (3/8)	mm (inch)	
		Gas	15.875 (5/8)	mm (inch)	
	Installation restrictions	Max Length	50 to 75	m	
		Max Height	20 to 30	m	
		Min Length	5	m	
	COP (ave 16 to 35°C)	Heating	3.9	W/W	
Ducted Air	No. Zones		1 to 10		

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