

Daikin Altherma 3 H MT & HT  
The Quintessence of heat pump  
**Product catalogue**



**Mid to high temperature air-to-water heat pump**  
Heating, cooling and domestic hot water



reddot design award  
winner 2019







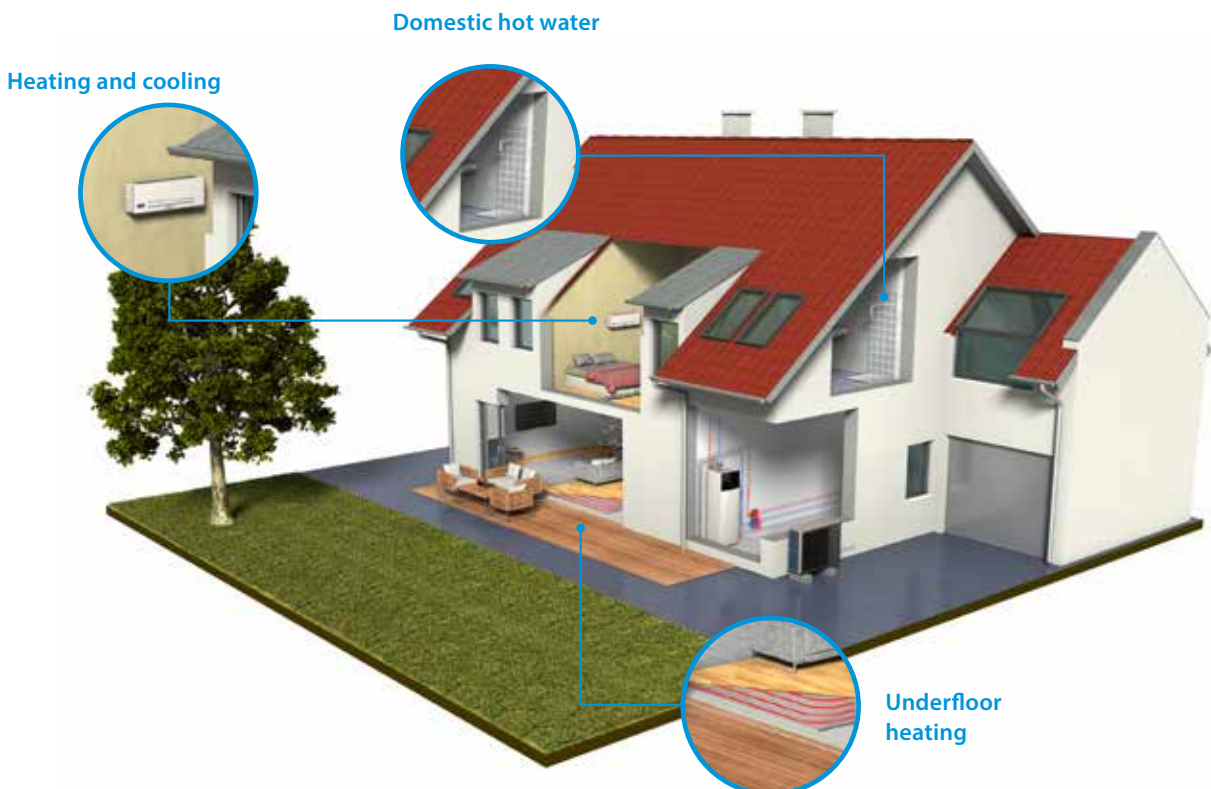
## Floor standing unit with integrated tank

### Why choose Daikin floor standing unit with integrated domestic hot water tank?

The Daikin Altherma 3 floor standing unit is the ideal system **to deliver heating, domestic hot water and cooling** for renovation or large new built.

#### All in one system to save installation space and time

- › A combined stainless steel domestic hot water tank of 180 or 230 L and heatpump ensures a faster installation compared to traditional systems.
- › Inclusion of all hydraulic components means no third party components are required.
- › PCB board and hydraulic components are located in the front for easy access
- › Small installation footprint of 595 x 625 mm
- › Integrated back-up heater choice of 6, 9 kW models are available
- › Dedicated bi-zone models allowing temperature monitoring for 2 zones.



# All-in one design

## Reduces the installation footprint and height

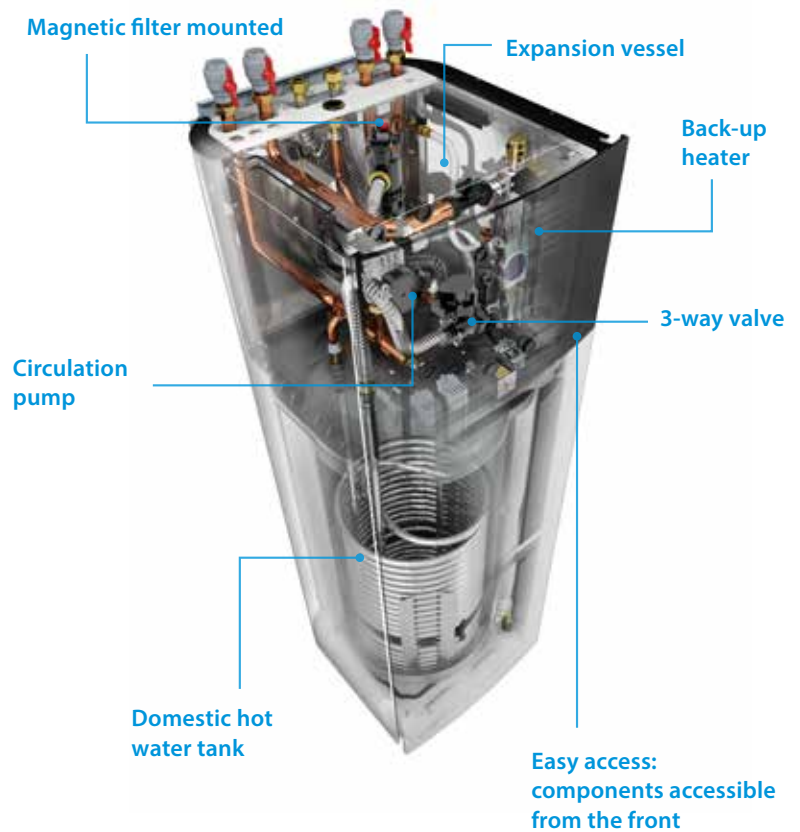
Compared to the traditional split version for a wall mounted indoor unit and a separate domestic hot water tank, the integrated indoor unit greatly reduces the installation space required.

With a small footprint of 595 x 625 mm, the integrated indoor unit has a similar footprint when compared to other household appliances.

For installation projects, almost no side clearance is necessary as the piping is located at the top of the unit.

With an installation height of 1,65 m for an 180 L tank and 1,85 m for a 230 L tank, the required installation height is less than 2m.

The compactness of the integrated indoor unit is emphasised by its sleek design and modern look, easy blending in with other household appliances.



## Advanced user interface



### The Daikin Eye

The intuitive Daikin eye shows you in real time the status of your system.

Blue is perfect! Should the eye turn red, an error has occurred.

### Quick to configure

Log in and you'll be able to completely configure the unit via the new interface in less than 10 steps. You can even check if the unit is ready for use by running test cycles!

### Easy operation

Work super-fast with the new interface. It's super easy to use with just a few buttons and 2 navigational knobs.

### Beautiful design

The interface was especially designed to be very intuitive. The high contrasted colour screen delivers stunning and practical visuals that really help you as installer or service engineer.

## Integrated indoor unit



# Daikin Altherma 3 H MT F

## Floor standing air to water heat pump for heating and hot water

- › A combined stainless steel domestic hot water tank of 180 or 230L and heat pump for easy installation
- › Inclusion of all hydraulic components means no third party components are required
- › PCB board and hydraulic components are located in the front for easy access
- › Small installation footprint of 595 x 625 mm
- › Integrated back-up heater of 6 or 9 kW
- › Heat pump operation down to -28 °C



Efficiency data				ETVH + EPRA		12S18E6V/E9W + 08EV/W	12S23E6V/E9W + 08EV/W	12S18E6V/E9W + 10EV/W	12S23E6V/E9W + 10EV/W	12S18E6V/E9W + 12EV/W	12S23E6V/E9W + 12EV/W	
Space heating	Average climate water outlet 55 °C	General	SCOP			3,41 / 3,52		3,43 / 3,53				
			η <sub>s</sub> (Seasonal space heating efficiency)			134 / 138						
	Seasonal space heating eff. class			A++								
	Average climate water outlet 35 °C	General	SCOP			4,69 / 4,81		4,71 / 4,84		4,71 / 4,84		
η <sub>s</sub> (Seasonal space heating efficiency)			184 / 190		186 / 191		186 / 191					
Seasonal space heating eff. class			A+++									
Domestic hot water heating	General	Declared load profile		L	XL	L	XL	L	XL	L	XL	
		Average climate	COP <sub>dhw</sub>			2,72 / 2,80		2,96 / 3,05		2,72 / 2,80		2,96 / 3,05
	η <sub>wh</sub> (water heating efficiency)			117 / 120		126 / 130		117 / 120		126 / 130		
	Water heating energy efficiency class			A+								
Indoor Unit				ETVH		12S18E6V/E9W	12S23E6V/E9W	12S18E6V/E9W	12S23E6V/E9W	12S18E6V/E9W	12S23E6V/E9W	
Casing	Colour			White + Black								
	Material			Precoated sheet metal								
Dimensions	Unit	HeightxWidthxDepth	mm	1,650x595x625	1,850x595x625	1,650x595x625	1,850x595x625	1,650x595x625	1,850x595x625	1,650x595x625	1,850x595x625	
Weight	Unit			kg	108	117	108	117	108	117		
Tank	Water volume			l	180	230	180	230	180	230		
	Maximum water temperature			°C	70							
	Maximum water pressure			bar	10							
	Corrosion protection			Pickling								
Operation range	Heating	Ambient	Min.~Max.	°C	-28 ~ 25							
		Water side	Min.~Max.	°C	18 ~ 65							
	Domestic hot water	Ambient	Min.~Max.	°C	-28 ~ 35							
		Water side	Min.~Max.	°C	10 ~ 65							
Sound power level	Nom.			dBA	44							
Sound pressure level	Nom.			dBA	30							
Outdoor Unit				EPRA		08EV3/W1	10EV3/W1	12EV3/W1				
Dimensions	Unit	HeightxWidthxDepth	mm	1003x1270x533								
Weight	Unit			kg	118							
Compressor	Quantity			1								
	Type			Hermetically sealed swing compressor								
Operation range	Heating	Min.~Max.	°CDB	-28 ~ 25								
	Cooling	Min.~Max.	°CDB	10 ~ 43								
	Domestic hot water	Min.~Max.	°CDB	-28 ~ 35								
Refrigerant	Type			R-32								
	GWP			675								
	Charge			kg	3,25							
	Charge			TCO <sub>2</sub> Eq	2,19							
	Control			Expansion valve								
LW(A) Sound power level (according to EN14825)			53									
Sound pressure level (at 1 meter)	Nom.			V3: 40,6 - W1: 41,1								
Power supply	Name/Phase/Frequency/Voltage			V3/1~/50/230 - W1/3~/50/400								
Current	Recommended fuses			A V3: 32 - W1: 16								

This product contains fluorinated greenhouse gases.