

# 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 230 L 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				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		A+++
Domestic hot water heating	Average climate	General	Declared load profile	L	XL	L	XL	L	XL	L	XL
			COP <sub>dhw</sub>	2.72 / 2.80	2.96 / 3.05	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	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					1,003x1,270x533			
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.							40.6/41.1			
Power supply	Name/Phase/Frequency/Voltage			Hz/V			V3/1~/50/230 - W1/3~/50/400				
Current	Recommended fuses			A			32/16				

This product contains fluorinated greenhouse gases.

# Daikin Altherma 3 H HT F

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

- › A combined stainless steel domestic hot water tank of 180 or 230 L 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



011-1W0353-354  
011-1W0357-358  
011-1W0361-362

Efficiency data				ETVH + EPRA	16S18E6V7/E9W7 + 14DV7/W7	16S23E6V7/E9W7 + 14DV7/W7	16S18E6V7/E9W7 + 16DV7/W7	16S23E6V7/E9W7 + 16DV7/W7	16S18E6V7/E9W7 + 18DV7/W7	16S23E6V7/E9W7 + 18DV7/W7
Space heating	Average climate water outlet 55 °C	General	SCOP	3.58 / 3.57						
			η <sub>s</sub> (Seasonal space heating efficiency)	140						
	Average climate water outlet 35 °C	General	SCOP	4.51 / 4.71						
			η <sub>s</sub> (Seasonal space heating efficiency)	177 / 186						
Domestic hot water heating	General	Declared load profile	Seasonal space heating eff. class	A+++						
			COP <sub>dhw</sub>	L						
	Average climate	COP <sub>dhw</sub>	η <sub>wh</sub> (water heating efficiency)	A						
			Water heating energy efficiency class	A						
				2.62 / 2.51	2.61 / 2.55	2.62 / 2.51	2.61 / 2.55	2.62 / 2.51	2.61 / 2.55	
				110 / 106	108 / 107	110 / 106	108 / 107	110 / 106	108 / 107	
				A						
Indoor Unit				ETVH	16S18E6V7/E9W7	16S23E6V7/E9W7	16S18E6V7/E9W7	16S23E6V7/E9W7	16S18E6V7/E9W7	16S23E6V7/E9W7
Casing	Colour	White + Black								
	Material	Precoated sheet metal								
Dimensions	Unit	HeightxWidthxDepth	mm	1,650x595x625	1,850x595x625	1,650x595x625	1,850x595x625	1,650x595x625	1,850x595x625	
Weight	Unit		kg	109	118	109	118	109	118	
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						
		Water side	Min.~Max.	°C						
	Domestic hot water	Ambient	Min.~Max.	°C						
		Water side	Min.~Max.	°C						
Sound power level	Nom.		dBA	44						
Sound pressure level	Nom.		dBA	30						
Outdoor Unit				EPRA	14DV37/W17	16DV37/W17	18DV37/W17			
Dimensions	Unit	HeightxWidthxDepth	mm	1,003x1,270x533						
Weight	Unit		kg	146 / 151						
Compressor	Quantity			1						
	Type			Hermetically sealed scroll 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	4.20						
	Charge		TCO <sub>2</sub> Eq	2.84						
	Control			Expansion valve						
LW(A) Sound power level (according to EN14825)				54						
Sound pressure level (at 1 meter)	Nom.			43.0				48.0		
Power supply	Name/Phase/Frequency/Voltage		Hz/V	V3/1~/50/230 / W1/3~/50/400						
Current	Recommended fuses		A	32/16						

This product contains fluorinated greenhouse gases.