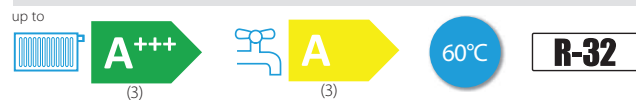


# Daikin Altherma 3 H F

## › reversible models

Floor standing air to water heat pump for **heating, cooling and hot water**; ideal for low energy houses

- › Integrated stainless steel domestic hot water tank of 180 or 230L
- › PCB board and hydraulic components are located in the front for easy access
- › Small installation footprint of 595 x 600 mm
- › Integrated back-up heater choice of 6 or 9 kW
- › Outdoor unit extracts heat from the outdoor air, even at -28°C



Efficiency data				EAVX + EPGA	16S18D6V(G)/ D9W(G) + 11DV	16S23D6V(G)/ D9W(G) + 11DV	16S18D6V(G)/ D9W(G) + 14DV	16S23D6V(G)/ D9W(G) + 14DV	16S18D6V(G)/ D9W(G) + 16DV	16S23D6V(G)/ D9W(G) + 16DV
Heating capacity	Nom.				11,1 (1) / 11,3 (2)		14,5 (1) / 14,5 (2)		16,5 (1) / 15,6 (2)	
Power input	Heating	Nom.			2,16 (1) / 2,91 (2)		2,91 (1) / 3,96 (2)		3,45 (1) / 4,21 (2)	
Cooling capacity	Nom.				10,5 (1) / 10,7 (2)		11,1 (1) / 11,9 (2)		13,5 (1) / 11,9 (2)	
Power input	Cooling	Nom.			2,21 (1) / 3,30 (2)		2,72 (1) / 3,97 (2)		3,42 (1) / 3,97 (2)	
COP					5,15 (1) / 3,88 (2)		4,99 (1) / 3,65 (2)		4,78 (1) / 3,71 (2)	
EER					4,75 (1) / 3,23 (2)		4,09 (1) / 2,99 (2)		3,94 (1) / 2,99 (2)	
Space heating	Average climate water outlet 55°C	General	SCOP		3,32		3,37		3,43	
			η <sub>sp</sub> (Seasonal space heating efficiency)		130		132		134	
	Average climate water outlet 35°C	General	SCOP		4,44		4,51		4,61	
			η <sub>sp</sub> (Seasonal space heating efficiency)		175		178		182	
					A++		A+++ (3)			
Domestic hot water heating	General climate	Declared load profile			L	XL	L	XL	L	XL
		Average η <sub>wh</sub> (water heating efficiency)		104	112	104	112	104	112	
		Water heating energy efficiency class		A						
Indoor Unit				EAVX	16S18D6V(G)/ D9W(G)	16S23D6V(G)/ D9W(G)	16S18D6V(G)/ D9W(G)	16S23D6V(G)/ D9W(G)	16S18D6V(G)/ D9W(G)	16S23D6V(G)/ D9W(G)
Casing	Colour			White + Black						
	Material			Resin / Sheet metal						
Dimensions	Unit	HeightxWidthxDepth	mm	1.650x595x625	1.850x595x625	1.650x595x625	1.850x595x625	1.650x595x625	1.850x595x625	
Weight	Unit			109	118	109	118	109	118	
Tank	Water volume			180	230	180	230	180	230	
	Maximum water temperature			70						
	Maximum water pressure			10						
	Corrosion protection			Pickling						
Operation range	Heating	Ambient	Min.~Max.	°C						
		Water side	Min.~Max.	°C						
	Cooling	Ambient	Min.~Max.	°CDB						
		Water side	Min.~Max.	°C						
	Domestic hot water	Ambient	Min.~Max.	°CDB						
		Water side	Max.	°C						
Sound power level	Nom.			dBA						
Sound pressure level	Nom.			dBA						
Outdoor Unit				EPGA	11DV	14DV	16DV			
Dimensions	Unit	HeightxWidthxDepth	mm	1.440x1.160x380						
Weight	Unit			kg						
Compressor	Quantity			1						
	Type			Hermetically sealed scroll compressor						
Operation range	Cooling	Min.~Max.		°CDB						
	Domestic hot water	Min.~Max.		°CDB						
Refrigerant	Type			R-32						
	GWP			675,0						
	Charge			kg						
	Charge			TCO <sub>2</sub> Eq						
	Control			Expansion valve						
Sound power level	Heating	Nom.		64				66		
	Cooling	Nom.		68				52		
Sound pressure level	Heating	Nom.		48		49		52		
	Cooling	Nom.		55		55		52		
Power supply	Name/Phase/Frequency/Voltage		Hz/V	V3/1N~/50/230						
Current	Recommended fuses		A	32						

(1) Cooling Ta 35°C - LWE 18°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) (2) Cooling Ta 35°C - LWE 7°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 45°C (DT = 5°C) (3) According to EU n°811/2013 label lay-out 2019, on a scale from G to A+++.