

Daikin Altherma 3 R F

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

- > 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 choice of 6 or 9 kW
- > Outdoor unit extracts heat from the outdoor air, even at -25 °C



011-1W0218 → 222
011-1W0245, 247
011-1W0249 → 251

up to **A+++** **A+** **65 °C** **R-32**

Efficiency data		EHVH + ERGA		04S18D-6V(G)+ 04DV	04S23D-6V(G) + 04DV	08S18D6V(G)/D9W(G) + 06DV	08S23D6V(G)/D9W(G) + 06DV	08S18D6V(G)/D9W(G) + 08DV	08S23D6V(G)/D9W(G) + 08DV	
Heating capacity	Nom.			kW		4.30 (1) / 4.60 (2)		6.00 (1) / 5.90 (2)		
Power input	Heating	Nom.			kW		0.850 (1) / 1.26 (2)		1.24 (1) / 1.69 (2)	
COP							5.10 (1) / 3.65 (2)		4.85 (1) / 3.50 (2)	
Space heating	Average climate water outlet 55 °C	General	SCOP		3.26					
			ηs (Seasonal space heating efficiency)	%	127					
	Seasonal space heating eff. class		A++							
	Average climate water outlet 35 °C	General	SCOP		4.48		4.47		4.56	
ηs (Seasonal space heating efficiency)			%	176				179		
Seasonal space heating eff. class		A+++								
Domestic hot water heating	General	Declared load profile		L	XL	L	XL	L	XL	
	Average climate	ηwh (water heating efficiency)	%	125	133	125	133	125	133	
	Water heating energy efficiency class		A+							
Indoor Unit		EHVH		04S18D6V(G)	04S23D6V(G)	08S18D-6V(G)/D9W(G)	08S23D-6V(G)/D9W(G)	08S18D-6V(G)/D9W(G)	08S23D-6V(G)/D9W(G)	
Casing	Colour			White + Black						
	Material			Resin / Sheet metal						
Dimensions	Unit	Height x Width x Depth	mm	1,650 x 595 x 625	1,850 x 595 x 625	1,650 x 595 x 625	1,850 x 595 x 625	1,650 x 595 x 625	1,850 x 595 x 625	
Weight	Unit			kg		119		128		
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		5~30				
		Water side	Min.~Max.	°C		15~65				
	Domestic hot water	Ambient	Min.~Max.	°CDB		5~35				
		Water side	Max.	°C		70				
Sound power level	Nom.			dBA		42				
Sound pressure level	Nom.			dBA		28				
Outdoor Unit		ERGA		04DV	06DV		08DV			
Dimensions	Unit	Height x Width x Depth	mm	740 x 884 x 388						
Weight	Unit			kg						
Compressor	Quantity		1							
	Type		Hermetically sealed swing compressor							
Operation range	Cooling	Min.~Max.	°CDB		10~43					
	Domestic hot water	Min.~Max.	°CDB		-25~35					
Refrigerant	Type		R-32							
	GWP		675.0							
	Charge		kg		1.50					
	Charge		TCO _{Eq}		1.01					
Control		Expansion valve								
Sound power level	Heating	Nom.	dBA	58	60		62			
	Cooling	Nom.	dBA	61			62			
Sound pressure level	Heating	Nom.	dBA	44	47		49			
	Cooling	Nom.	dBA	48	49		50			
Power supply	Name/Phase/Frequency/Voltage		Hz/V		V3/1N~/50/230					
Current	Recommended fuses		A		25					

(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).