

# Daikin Altherma 3 R 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 634 mm
- > Integrated back-up heater of 6 or 9 kW
- > Heat pump operation down to -25°C



up to up to

Efficiency data				EBVH + ERLA		11S18D6V/9W + 11DV/W	11S23D6V/9W + 11DV/W	16S18D6V/9W + 14DV/W	16S23D6V/9W + 14DV/W	16S18D6V/9W + 16DV/W	16S23D6V/9W + 16DV/W
Space heating	Average climate water outlet 55°C	General	SCOP			3,23		3,22		3,32	
			η <sub>sp</sub> (Seasonal space heating efficiency)	126		130					
	Seasonal space heating eff. class	A++									
	Average climate water outlet 35°C	General	SCOP	4,63		4,60		4,61			
		η <sub>sp</sub> (Seasonal space heating efficiency)	182		181						
		Seasonal space heating eff. class	A+++								
Domestic hot water heating	General	Declared load profile		L	XL	L	XL	L	XL		
		Average climate	COP <sub>dhw</sub>	2,73	2,63	2,73	2,63	2,73	2,63		
		η <sub>wh</sub> (water heating efficiency)	116		109		116				
		Water heating energy efficiency class	A+		A		A				
Indoor Unit				EBVH	11S18D6V/9W	11S23D6V/9W	16S18D6V/9W	16S23D6V/9W	16S18D6V/9W	16S23D6V/9W	
Casing	Colour	White + Black									
	Material	Precoated sheet metal									
Dimensions	Unit	HeightxWidthxDepth	mm	1.655x595x634	1.855x595x634	1.655x595x634	1.655x595x634	1.655x595x634	1.855x595x634		
Weight	Unit	kg	124	133	124	133	124	133			
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 (2)	Heating	Ambient	Min.~Max.	-25 ~ 35 (1)							
		Water side	Min.~Max.	18 ~ 60							
	Domestic hot water	Ambient	Min.~Max.	-25 ~ 35							
		Water side	Min.~Max.	10 ~ 60							
Sound power level	Nom.	dBA	44								
Sound pressure level	Nom.	dBA	30								
Outdoor Unit				ERLA	11DV3/W1	14DV3/W1	16DV3/W1				
Dimensions	Unit	HeightxWidthxDepth	mm	870x1.100x460							
Weight	Unit	kg	101								
Compressor	Quantity	1									
	Type	Hermetically sealed swing inverter compressor									
Operation range	Heating	Min.~Max.	°CDB -25 ~ 35 (1)								
	Domestic hot water	Min.~Max.	°CDB -25 ~ 35								
Refrigerant	Type	R-32									
	GWP	675									
	Charge	kg	3,80								
	Charge	TCO <sub>2</sub> Eq	2,57								
	Control	Expansion valve									
LW(A) Sound power level (according to EN14825)	62										
Sound pressure level (at 1 meter)	48										
Power supply	Name/Phase/Frequency/Voltage	Hz/V V3: 1~/50/230   W1: 3~/50/400									
Current	Recommended fuses	A V3: 32   W1: 16									

(1) For units without a backup heater, the operation range is capped at 25°C outdoor ambient temperature  
 (2) For more details, please consult the operation range graph in the unit's data book  
 This product contains fluorinated greenhouse gases.