

Daikin Altherma 3 R F

Floor-standing air to water heat pump for heating, cooling 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 **A+++** up to **A+** **60°C** **R-32**

Efficiency data				EBVX + 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			3,27		3,26		3,35	
			η _{sp} (Seasonal space heating efficiency)	128		131					
	Seasonal space heating eff. class	A++									
	Average climate water outlet 35°C	General	SCOP	4,72		4,68					
η _{sp} (Seasonal space heating efficiency)			186		184						
Seasonal space heating eff. class	A+++										
Domestic hot water heating	General	Declared load profile		L	XL	L	XL	L	XL		
		Average climate	COP _{dhw}	2,73	2,63	2,73	2,63	2,73	2,63		
	Average climate	General	η _{wh} (water heating efficiency)	116		109		116		109	
			Water heating energy efficiency class	A+	A	A+	A	A+	A		
Indoor Unit				EBVX		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	1.855x595x634	1.655x595x634	1.855x595x634	1.655x595x634	1.855x595x634
Weight	Unit		kg	124	133	124	133	124	133	124	133
Tank	Water volume		l	180	230	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							
	Cooling	Ambient	Min.–Max.	10 ~ 43							
		Water side	Min.–Max.	5 ~ 22							
	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)							
	Cooling	Min.–Max.	°CDB	10 ~ 43							
	Domestic hot water	Min.–Max.	°CDB	-25 ~ 35							
Refrigerant	Type			R-32							
	GWP			675							
	Charge		kg	3,80							
	Charge		TCO ₂ Eq	2,57							
Control				Expansion valve							
LW(A) Sound power level (according to EN14825)				62							
Sound pressure level (at 1 meter)	Nom.			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.