

Daikin Altherma 3 R ECH₂O

Floor-standing air-to-water heat pump for **heating, cooling and hot water** with thermal solar support

- › Integrated solar unit, offering top comfort in heating, hot water and cooling
- › Maximum use of renewable energy: uses heat pump technology for heating and solar support for space heating and domestic hot water production
- › Fresh water principle: hygienic water, with no need for thermal legionella disinfection
- › Maintenance-free tank: no corrosion, anode, scale or lime deposits, and no loss of water through safety valve
- › Solar support of domestic hot water with pressureless (drain-back) solar system
- › Heat loss is reduced to a minimum thanks to the high quality insulation
- › App control possible for managing heating, hot water and cooling operation
- › Outdoor unit extracts heat from the outdoor air, even at -25°C
- › Possible to connect to photovoltaic solar panels to provide energy for your heat pump



Efficiency data				EBSX + ERLA		11P30D + 11DV/W	11P50D + 11DV/W	16P30D + 14DV/W	16P50D + 14DV/W	16P30D + 16DV/W	16P50D + 16DV/W
	Average climate water outlet 55°C	General	SCOP	%	3,27		3,26		3,35		
			ηs (Seasonal space heating efficiency)		128		131				
		Seasonal space heating eff. class	A++								
	Average climate water outlet 35°C	General	SCOP	%	4,72		4,68				
			ηs (Seasonal space heating efficiency)		186		184				
Seasonal space heating eff. class		A+++									
	General	Declared load profile			L	XL	L	XL	L	XL	
	Average climate	COPdhw			2,73	3,05	2,73	3,05	2,73	3,05	
		ηwh (water heating efficiency)			115	126	115	126	115	126	
		Water heating energy efficiency class			A+						
Indoor Unit				EBSX	11P30D	11P50D	16P30D	16P50D	16P30D	16P50D	
Casing	Colour	Traffic white (RAL9016) / Traffic black (RAL9017)									
	Material	Impact resistant polypropylene									
Dimensions	Unit	HeightxWidthxDepth	mm	1.893x594x680	1.910x792x817	1.893x594x680	1.910x792x817	1.893x594x680	1.910x792x817		
Weight	Unit		kg	93	114	93	114	93	114		
Tank	Water volume		l	294	477	294	477	294	477		
	Maximum water temperature		°C	85							
Operation range (2)	Heating	Ambient	Min.~Max.	°C	-25 ~ 35 (1)						
		Water side	Min.~Max.	°C	18 ~ 60						
	Cooling	Ambient	Min.~Max.	°C	10 ~ 43						
		Water side	Min.~Max.	°C	5 ~ 22						
	Domestic hot water	Ambient	Min.~Max.	°C	-25 ~ 35						
		Water side	Min.~Max.	°C	10 ~ 60						
Sound power level	Nom.		dBA	44,7							
Sound pressure level	Nom.		dBA	36,8							
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)				48							
Power supply	Name/Phase/Frequency/Voltage			V3: 1~/50/230 W1: 3~/50/400							
Current	Recommended fuses			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.