

Daikin Altherma 3 R MT ECH₂O

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

- › Integrated solar unit, offering top comfort in heating and hot water
- › Maintenance-free tank: no corrosion, anode, scale or lime deposits, and no loss of water through safety valve
- › Quick configuration in 9 steps in a high resolution colour interface wizard
- › 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



Efficiency data				ELSH + ERRA	12P30E + 08EW1	12P50E + 08EW1	12P30E + 10EW1	12P50E + 10EW1	12P30E + 12EW1	12P50E + 12EW1	
	Average climate water outlet 55 °C	General	SCOP	%	3,42		3,43		3,53		
			η _s (Seasonal space heating efficiency)		134				138		
		Seasonal space heating eff. class	A++								
	Average climate water outlet 35 °C	General	SCOP	%	4,81		4,84				
			η _s (Seasonal space heating efficiency)		190		191				
		Seasonal space heating eff. class		A+++							
	General	Declared load profile		L	XL	L	XL	L	XL		
	Average climate	COP	dhw	2,83	3,29	2,83	3,29	2,83	3,29		
		η _{wh} (water heating efficiency)	%	119	136	119	136	119	136		
		Water heating energy efficiency class	A+								
Indoor Unit				ELSH	12P30E	12P50E	12P30E	12P50E	12P30E	12P50E	
Casing	Colour	Traffic white (RAL9016) / Traffic black (RAL9017)									
	Material										
	Impact resistant polypropylene										
Dimensions	Unit	HeightxWidthxDepth	mm	1,893 x 594 x 680	1,910 x 792 x 817	1,893 x 594 x 680	1,910 x 792 x 817	1,893 x 594 x 680	1,910 x 792 x 817		
Weight	Unit		kg	76	91	76	91	76	91		
Tank	Water volume		l	294	477	294	477	294	477		
	Maximum water temperature		°C	85							
Operation range	Heating	Ambient	Min.~Max.	°C	-25 ~ 25						
		Water side	Min.~Max.	°C	15 ~ 65						
	Domestic hot water	Ambient	Min.~Max.	°C	-25 ~ 35						
		Water side	Min.~Max.	°C	25 ~ 62						
Sound power level	Nom.		dBA	44,7							
Sound pressure level	Nom.		dBA	36,8							
Outdoor Unit				ERRA	08EW1	10EW1	12EW1				
Dimensions	Unit	HeightxWidthxDepth	mm	1,003 x 1,270 x 533							
Weight	Unit		kg	107							
Compressor	Quantity			1							
	Type			Hermetically sealed swing compressor							
Operation range	Heating	Min.~Max.	°CDB	-25 ~ 25							
	Domestic hot water	Min.~Max.	°CDB	-25 ~ 35							
Refrigerant	Type			R-32							
	GWP			675							
	Charge		kg	3,25							
	Charge		TCO ₂ Eq	2,19							
	Control			Expansion valve							
LW(A) Sound power level (according to EN14825)				56							
Sound pressure level (at 1 meter)	Nom.			41,1							
Power supply	Name/Phase/Frequency/Voltage		Hz/V	W1/3~/50 /400							
Current	Recommended fuses		A	16							

This product contains fluorinated greenhouse gases.