



Παγκόσμιος Ηγέτης στο **Ιδανικό** Κλίμα.

Αντλίες θερμότητας



Κεντρικά Γραφεία | Ελ. Βενιζέλου 5
Έκθεση | Αριστείδου 40 & Ελ. Βενιζέλου 3
ΤΚ | 55133 | Καλαμαριά | Θεσσαλονίκη
Τ | 2310.440.844 F | 2310.432.868
e-mail: info@klimamichaniki.gr
www.klimamichaniki.gr





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



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 _s (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 _{wh} (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 COP _{dhw}		2,73	2,63	2,73	2,63	2,73	2,63
			η _{wh} (water heating efficiency)		116	109	116	109	116	109
			Water heating energy efficiency class		A+	A	A+	A	A+	A
Indoor Unit				EBVH	11S18D6V/9W	11S23D6V/9W	16S18D6V/9W	16S23D6V/9W	16S18D6V/9W	16S23D6V/9W
Casing	Colour	White + Black								
	Material									
Dimensions	Unit	HeightxWidthxDepth	mm	1,655x595x634	1,855x595x634	1,655x595x634	1,655x595x634	1,655x595x634	1,655x595x634	1,855x595x634
Weight	Unit		kg	124	133	124	133	124	133	133
Tank	Water volume		l	180	230	180	230	180	230	230
	Maximum water temperature		°C	70						
	Maximum water pressure		bar	10						
	Corrosion protection			Pickling						
Operation range	Heating	Ambient	Min.~Max.	°C	-25 ~ 35					
		Water side	Min.~Max.	°C	18 ~ 60					
	Domestic hot water	Ambient	Min.~Max.	°C	-25 ~ 35					
		Water side	Min.~Max.	°C	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	870x1100x460						
Weight	Unit		kg	101						
Compressor	Quantity			1						
	Type			Hermetically sealed swing inverter compressor						
Operation range	Heating	Min.~Max.	°CDB	-25 ~ 35						
	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	32/16					



This product contains fluorinated greenhouse gases.

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



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	
	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	2,63	2,73	2,63	2,73	2,63	
	Average climate	ηwh (water heating efficiency)			116	109	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	
Weight	Unit				kg	124	133	124	133	124	
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	-25 ~ 35						
		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					
Sound pressure level	Nom.				dBA	30					
Outdoor Unit				ERLA	11DV3/W1		14DV3/W1		16DV3/W1		
Dimensions	Unit	HeightxWidthxDepth			mm	870x1100x460					
Weight	Unit				kg	101					
Compressor	Quantity				1						
	Type				Hermetically sealed swing inverter compressor						
Operation range	Heating	Min.~Max.		°CDB	-25 ~ 35						
	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	32/16						



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Daikin Altherma 3 R F

Floor standing integrated with **two different temperature zones monitoring**

- › 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



Efficiency data				EBVZ + ERLA	16S18D6V/9W + 11DV/W	16S23D6V/9W + 11DV/W	16S18D6V/9W + 14DV/W	16S23D6V/9W + 14DV/W	16S18D6V/9W + 16DV/W	16S23D6V/9W + 16DV/W	
	Average climate water outlet 55°C	General	SCOP		3,23		3,22		3,32		
			ηs (Seasonal space heating efficiency)	%	131		126		130		
			Seasonal space heating eff. class				A++				
	Average climate water outlet 35°C	General	SCOP		4,61		4,60		4,61		
			ηs (Seasonal space heating efficiency)	%	182		181				
Seasonal space heating eff. class				A+++							
	General	Declared load profile			L	XL	L	XL	L	XL	
	Average	COPdhw			2,73	2,63	2,73	2,63	2,73	2,63	
	climate	ηwh (water heating efficiency)			116	109	116	109	116	109	
		Water heating energy efficiency class			A+	A	A+	A	A+	A	
Indoor Unit					EBVZ	16S18D6V/9W	16S23D6V/9W	16S18D6V/9W	16S23D6V/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	
Weight	Unit		kg		137	145	137	145	137	145	
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	-25 ~ 35						
		Water side	Min.~Max.	°C	18 ~ 60						
	Domestic hot water	Ambient	Min.~Max.	°C	-25 ~ 25						
		Water side	Min.~Max.	°C	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		870x1100x460						
Weight	Unit		kg		101						
Compressor	Quantity				1						
	Type				Hermetically sealed swing inverter compressor						
Operation range	Heating		Min.~Max.	°CDB	-25 ~ 35						
	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			Hz/V	V3/1~/50/230 / W1/3~/50/400						
Current	Recommended fuses			A	32/16						

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Daikin Altherma 3 R ECH₂O

Floor standing unit with integrated ECH₂O tank

The Daikin Altherma low temperature split integrated ECH₂O is renowned for its ability to maximise renewable energy sources to provide the ultimate comfort in heating, domestic hot water and cooling

Intelligent storage management

- › The unit is 'Smart Grid' ready to take advantage of low energy tariffs and efficiently store thermal energy for space heating and domestic hot water
- › Continuous heating during defrost mode and use of stored heat for space heating (500l tank only)
- › Electronic management of both heat pump and ECH₂O thermal store maximises energy efficiency, as well as convenient heating and domestic hot water
- › Achieves the highest standards for water sanitation
- › Uses more renewable energy with solar connection

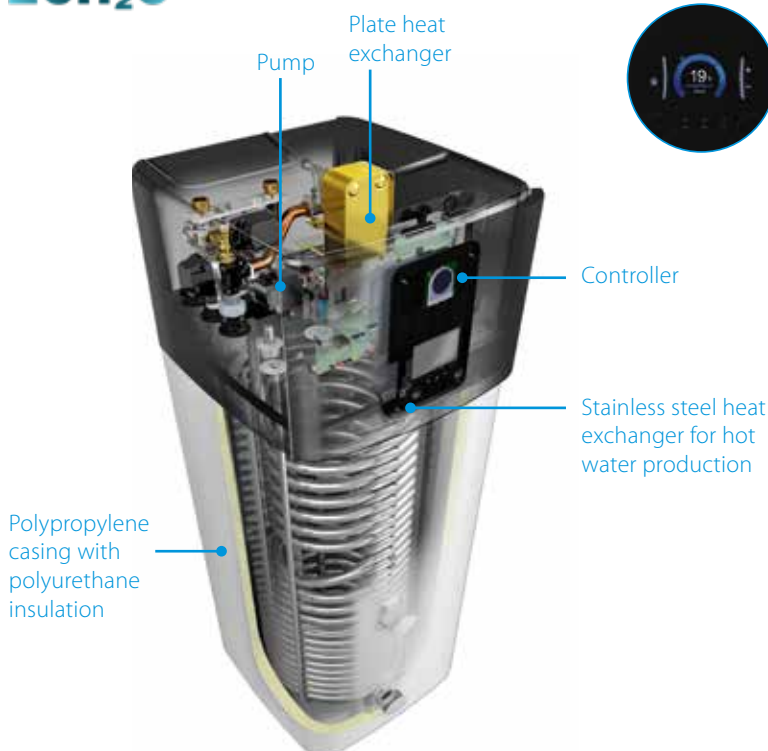
Innovative and high-quality tank

- › Lightweight plastic tank
- › No corrosion, anode, scale or lime deposits
- › Contains impact resistant polypropylene inner and outer walls filled with high-grade insulation foam to reduce heat losses to a minimum

Combinable with other heat sources

- › The bivalent option allows heat from other sources such as oil, gas or pellet-fired boilers to be stored in the solar system, further lowering energy consumption

ECH₂O



Advanced user interface

The Daikin-Eye

The intuitive Daikin eye shows you in real time the status of your system. Blue is perfect! Should the eye turn red, an error has occurred.

Quick to configure

Log in and you'll be able to completely configure the unit in less than 10 steps. You can even check if the unit is ready for use by running test cycles!

Easy operation

The user interface works really fast thanks to its icon-based menus.

Beautiful design

The interface was especially designed to be very intuitive. The high contrasted colour screen delivers stunning and practical visuals that really help you as installer or service engineer.

ECH₂O thermal store range: additional hot water comfort

Combine your indoor unit with a thermal store to achieve the ultimate comfort at home.

- › Fresh water principle: receive domestic hot water on demand while eliminating the risk of contamination and sedimentation
- › Optimal domestic hot water performance: the low temperature evolution enables high tapping performance
- › Fit for the future: possibility to integrate with renewable solar energy and other heat sources, e.g. fireplace
- › Lightweight and robust build of the unit combined with the cascade principle offers flexible installation options

Built for small and large homes, customers can choose between a pressureless and a pressurised hot water system.

Pressureless (drain-back) solar system

EBSH-D, EBSX-D

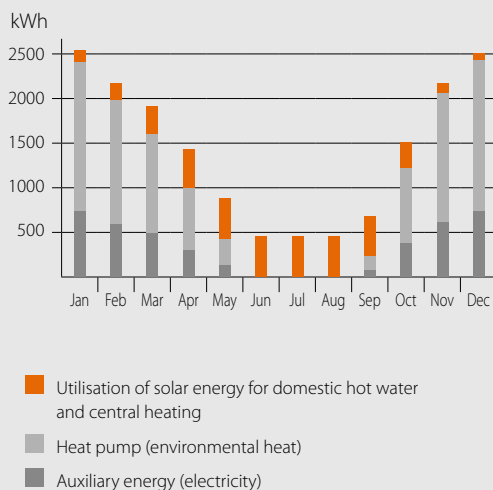
- › The solar collectors are only filled with water when sufficient heating is provided by the sun
- › The pumps in the control and pump unit switch on briefly and fill the collectors with storage tank water
- › After filling, water circulation is maintained by the remaining pump

Pressurised solar system

EBSHB-D, EBSXB-D

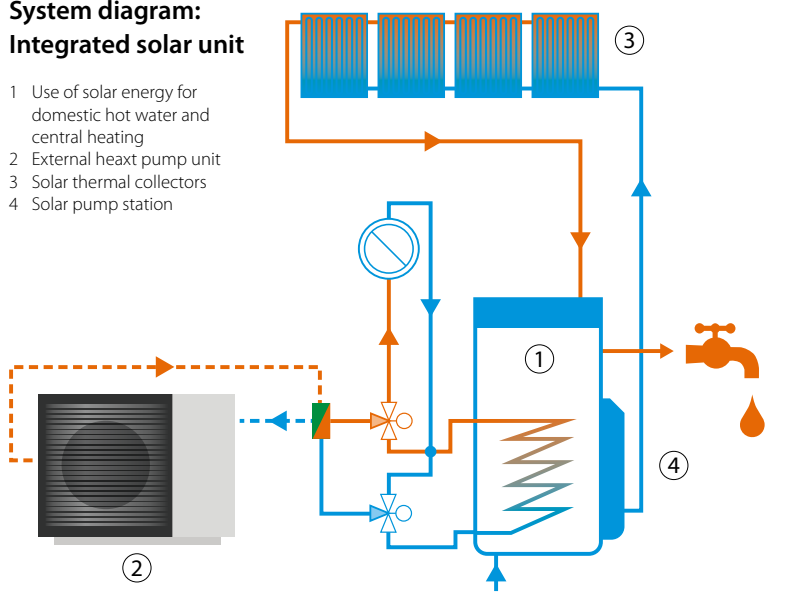
- › System is filled with heat transfer fluid with the correct amount of antifreeze to avoid freezing in winter
- › System is pressurised and sealed

Monthly energy consumption of an average detached house



System diagram: Integrated solar unit

- 1 Use of solar energy for domestic hot water and central heating
- 2 External heat pump unit
- 3 Solar thermal collectors
- 4 Solar pump station





Daikin Altherma 3 R 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
- › 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
- › Heat pump operation down to -25°C
- › Possible to connect to photovoltaic solar panels to provide energy for your heat pump



Efficiency data					EBSH + ERLA	11P30D + 11DV/W	11P50D + 11D/W	16P30D + 14DV/W	16P50D + 14DV/W	16P30D + 16DV/W	16P50D + 16DV/W
	Space heating	Average climate water outlet 55°C	General	SCOP	%	3,23		3,22		3,32	
				ηs (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		
			ηs (Seasonal space heating efficiency)		182		181				
Seasonal space heating eff. class			A+++								
	Domestic hot water heating	Average climate	General	Declared load profile		L	XL	L	XL	L	XL
			COPdhw		2,73 / 2,75	3,05 / 3,10	2,73 / 2,75	3,05 / 3,10	2,73 / 2,75	3,05 / 3,10	
			ηwh (water heating efficiency)	%	115 / 116	126 / 128	115 / 116	126 / 128	115 / 116	126 / 128	
			Water heating energy efficiency class	A+							
Indoor Unit					EBSH	11P30D	11P50D	16P30D	16P50D	16P30D	16P50D
Casing	Colour				Traffic white (RAL9016) / Traffic black (RAL9017)						
	Material				Impact resistant polypropylene						
Dimensions	Unit	HeightxWidthxDepth		mm	1893x594x680	1910x792x817	1893x594x680	1910x792x817	1893x594x680	1910x792x817	
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	Heating	Ambient	Min.~Max.	°C	-25 ~ 35						
		Water side	Min.~Max.	°C	18 ~ 60						
	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	870x1100x460						
Weight	Unit			kg	101						
Compressor	Quantity				1						
	Type				Hermetically sealed swing inverter compressor						
Operation range	Heating	Min.~Max.		°CDB	-25 ~ 35						
	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			Hz/V	V3/1~/50/230 / W1/3~/50/400						
Current	Recommended fuses			A	32/16						



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Daikin Altherma 3 R ECH₂O

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

- › Integrated solar unit, offering top comfort in heating and hot water
- › 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
- › Bivalent system: combinable with a secondary heat source
- › Heat loss is reduced to a minimum thanks to the high quality insulation
- › App control possible for managing heating and hot water operation
- › Heat pump operation down to -25°C



Efficiency data				EBSHB + ERLA		11P30D + 11DV/W	11P50D + 11DV/W	16P30D + 14DV/W	16P50D + 14DV/W	16P30D + 16DV/W	16P50D + 16DV/W	
	Space heating	Average climate water outlet 55°C	General	SCOP	%	3,23		3,22		3,32		
							126		130			
							A++					
	Average climate water outlet 35°C	General	SCOP	ηs (Seasonal space heating efficiency)	%	4,63		4,60		4,61		
						182		181				
				A+++								
	Domestic hot water heating	General	Declared load profile			L	XL	L	XL	L	XL	
	Average climate	COPdhw			2,73 / 2,75		3,05 / 3,10		2,73 / 2,75		3,05 / 3,10	
		ηwh (water heating efficiency)			115 / 116		126 / 128		115 / 116		126 / 128	
		Water heating energy efficiency class			A+							
Indoor Unit				EBSHB		11P30D	11P50D	16P30D	16P50D	16P30D	16P50D	
Casing	Colour			Traffic white (RAL9016) / Traffic black (RAL9017)								
	Material			Impact resistant polypropylene								
Dimensions	Unit	HeightxWidthxDepth			mm	1893x594x680	1910x792x817	1893x594x680	1910x792x817	1893x594x680	1910x792x817	
Weight	Unit				kg	94	117	94	117	94	117	
Tank	Water volume			l	294	477	294	477	294	477		
	Maximum water temperature			°C	85							
Operation range	Heating	Ambient	Min.~Max.	°C	-25 ~ 35							
		Water side	Min.~Max.	°C	18 ~ 60							
	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	870x1100x460						
Weight	Unit				kg	101						
Compressor	Quantity				1							
	Type			Hermetically sealed swing inverter compressor								
Operation range	Heating		Min.~Max.	°CDB	-25 ~ 35							
	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	32/16							



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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 / 2,75	3,05 / 3,10	2,73 / 2,75	3,05 / 3,10	2,73 / 2,75	3,05 / 3,10
		ηwh (water heating efficiency)	%		115 / 116	126 / 128	115 / 116	126 / 128	115 / 116	126 / 128
		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		1893x594x680	1910x792x817	1893x594x680	1910x792x817	1893x594x680	1910x792x817
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	Heating	Ambient	Min.~Max.	°C	-25 ~ 35					
		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		870x1100x460					
Weight	Unit		kg		101					
Compressor	Quantity				1					
	Type				Hermetically sealed swing inverter compressor					
Operation range	Heating	Min.~Max.	°CDB		-25 ~ 35					
	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	32/16					



This product contains fluorinated greenhouse gases.

Daikin Altherma 3 R ECH₂O

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

- › Integrated solar unit, offering top comfort in heating and hot water
- › 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
- › Bivalent system: combinable with a secondary heat source
- › Heat loss is reduced to a minimum thanks to the high quality insulation
- › App control possible for managing heating and hot water operation
- › Heat pump operation down to -25°C



Efficiency data					EBSXB + ERLA		11P30D + 11DV/W		11P50D + 11DV/W		16P30D + 14DV/W		16P50D + 14DV/W		16P30D + 16DV/W		16P50D + 16DV/W	
	Space heating	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+++														
	Domestic hot water heating	General	Declared load profile			L		XL		L		XL		L		XL		
			Average COPdhw	2,73 / 2,75		3,05 / 3,10		2,73 / 2,75		3,05 / 3,10		2,73 / 2,75		3,05 / 3,10				
			ηwh (water heating efficiency)	%	115 / 116		126 / 128		115 / 116		126 / 128		115 / 116		126 / 128			
			Water heating energy efficiency class			A+												
Indoor Unit					EBSXB		11P30D		11P50D		16P30D		16P50D		16P30D		16P50D	
Casing	Colour				Traffic white (RAL9016) / Traffic black (RAL9017)													
	Material																	
					Impact resistant polypropylene													
Dimensions	Unit	HeightxWidthxDepth			mm	1893x594x680		1910x792x817		1893x594x680		1910x792x817		1893x594x680		1910x792x817		
Weight	Unit				kg	94		117		94		117		94		117		
Tank	Water volume				l	294		477		294		477		294		477		
	Maximum water temperature				°C	85												
Operation range	Heating	Ambient	Min.~Max.		°C	-25 ~ 35												
			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	-25 ~ 35											
	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	870x1100x460												
Weight	Unit				kg	101												
Compressor	Quantity					1												
	Type					Hermetically sealed swing inverter compressor												
Operation range	Heating			Min.~Max.	°CDB	-25 ~ 35												
	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	32/16												

This product contains fluorinated greenhouse gases.

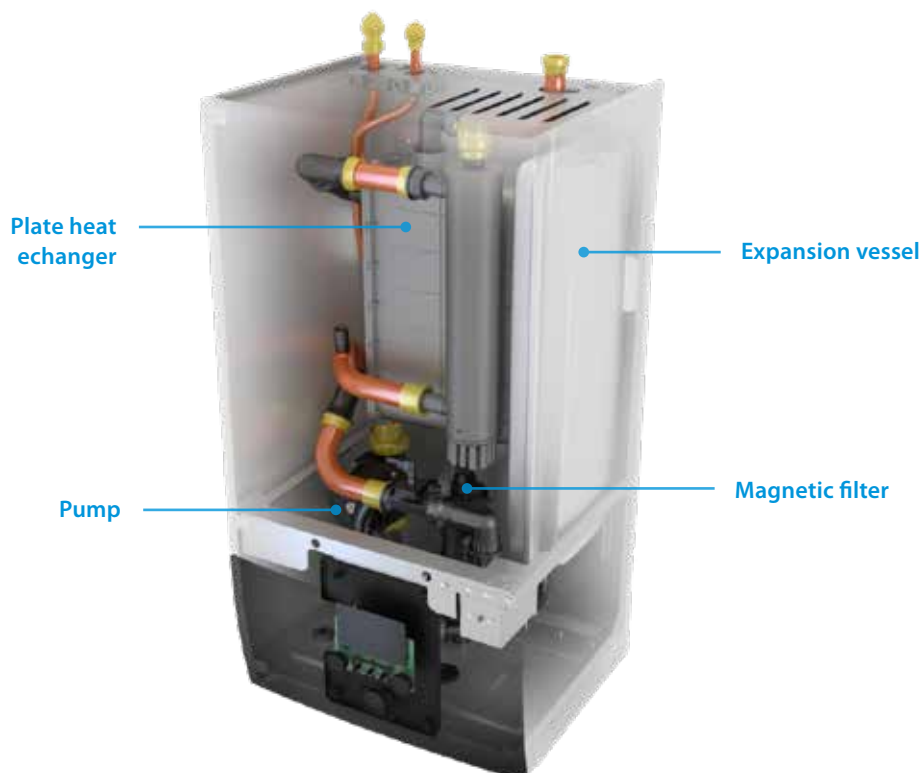
Daikin Altherma 3 R W Wall mounted unit

Why choose Daikin wall mounted unit?

The Daikin Altherma 3 split wall mounted unit offers heating and cooling with high flexibility for a quick and easy installation, with an optional connection to deliver domestic hot water.

High flexibility for installation and domestic hot water connection

- › 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
- › Compact dimensions allows for small installation space, as almost no side clearances are required
- › The unit's sleek design blends in with other household appliances
- › Combine with a stainless steel or ECH₂O thermal store



Flexibility in providing domestic hot water

If the end user requires hot water and installation height is limited, a separate stainless steel tank provides the required installation flexibility.

ECH₂O thermal store range: additional hot water comfort

Combine your wall mounted unit with a thermal store for additional hot water comfort.

- › Fresh water principle: receive domestic hot water on demand while eliminating the risk of contamination and sedimentation
- › Optimal domestic hot water performance: with high tapping performance
- › Fit for future possibility to integrate with renewable solar energy and other heat sources, e.g. fireplace
- › Lightweight and robust build on the unit combined with cascade principle offers flexible installation options

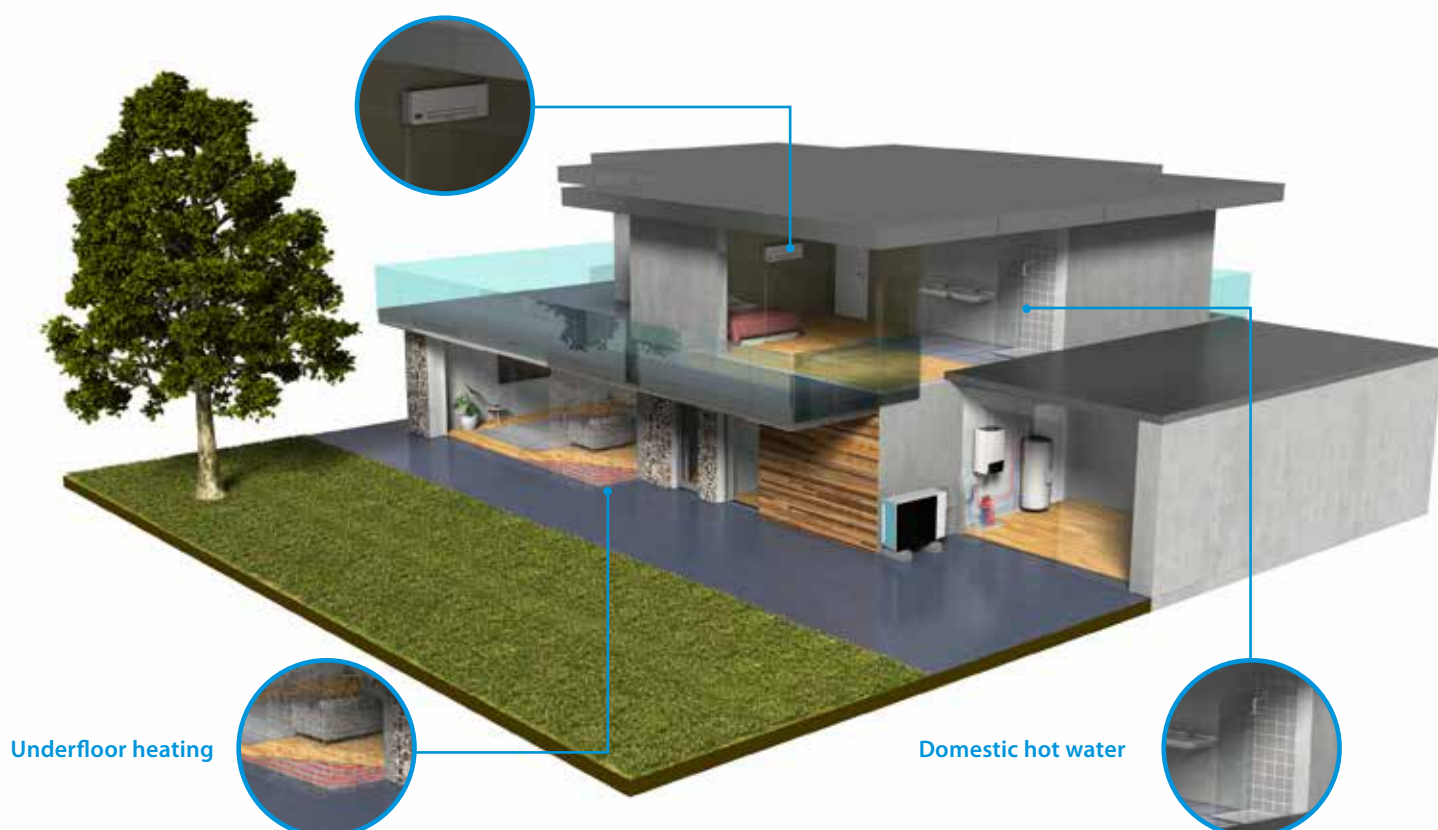


Flexibility in providing space heating

Daikin Altherma 3 R W is the perfect choice in case the end user is looking for space heating or cooling while domestic hot water is provided by another system.

Example of installation with a stainless steel domestic hot water tank.

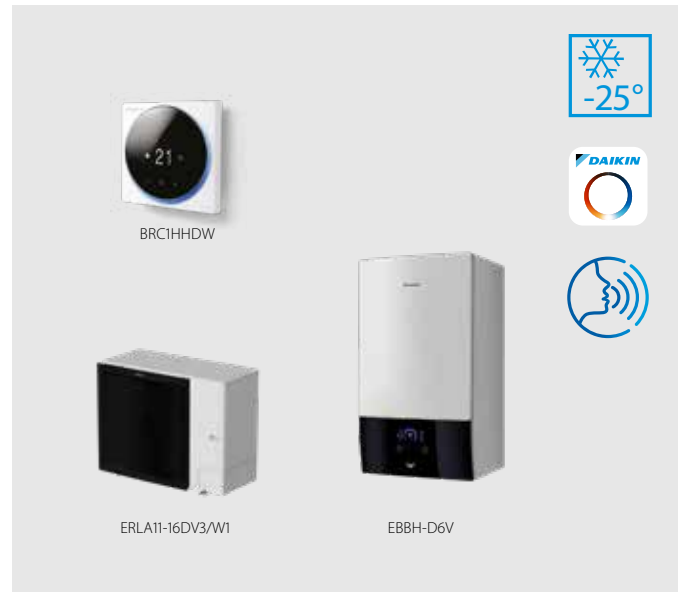
Heating and cooling




Daikin Altherma 3 R W

Wall mounted **heating only** air-to-water heat pump

- › 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
- › Compact dimensions allows for small installation space, as almost no side clearances are required
- › The unit's sleek design blends in with other household appliances
- › Combine with a stainless steel tank or ECH₂O thermal store
- › Heat pump operation down to -25°C



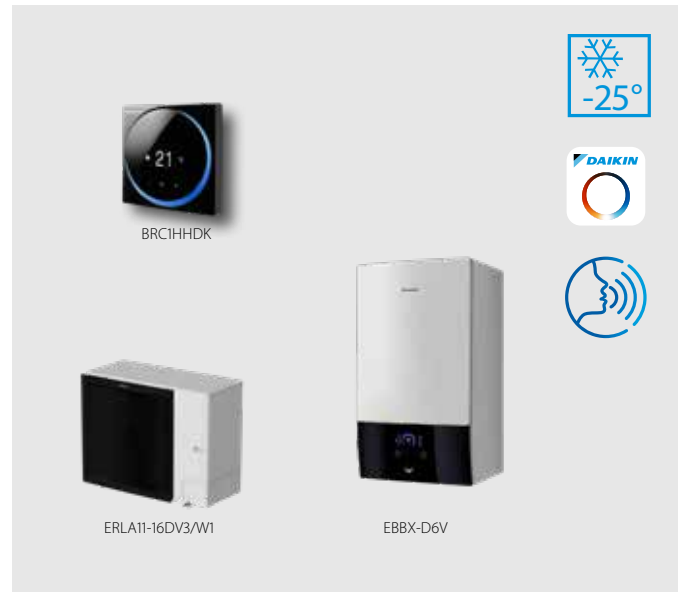
Efficiency data				EBBH + EPRA	11D6V + 11DV/W	11D9W + 11DV/W	16D6V + 14DV/W	16D9W + 14DV/W	16D6V + 16DV/W	16D9W + 16DV/W
	Space heating	Average climate water outlet 55°C	General	SCOP	3,23		3,22		3,32	
				ηs (Seasonal space heating efficiency)	126				130	
				Seasonal space heating eff. class	A++					
		Average climate water outlet 35°C	General	SCOP	4,63		4,60		4,61	
				ηs (Seasonal space heating efficiency)	182		181			
				Seasonal space heating eff. class	A+++					
Indoor Unit				EBBH	11D6V	11D9W	16D6V	16D9W	16D6V	16D9W
Casing	Colour				White + Black					
	Material				Resin, sheet metal					
Dimensions	Unit	HeightxWidthxDepth		mm	840x440x390					
Weight	Unit			kg	52,5		54,5			
Operation range	Heating	Ambient	Min.~Max.	°C	-25 ~ 35					
		Water side	Min.~Max.	°C	18 ~ 60					
	Domestic hot water	Ambient	Min.~Max.	°C	-25 ~ 35					
		Water side	Min.~Max.	°C	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	870x1100x460					
Weight	Unit			kg	101					
Compressor	Quantity				1					
	Type				Hermetically sealed swing inverter compressor					
Operation range	Heating	Min.~Max.		°CDB	-25 ~ 35					
	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	32/16					


This product contains fluorinated greenhouse gases.

Daikin Altherma 3 R W

Wall mounted **reversible** air-to-water heat pump

- › 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
- › Compact dimensions allows for small installation space, as almost no side clearances are required
- › The unit's sleek design blends in with other household appliances
- › Combine with a stainless steel tank or ECH₂O thermal store
- › Heat pump operation down to -25°C



Efficiency data				EBBX + ERLA	11D6V + 11DV/W	11D9W + 11DV/W	16D6V + 14DV/W	16D9W + 14DV/W	16D6V + 16DV/W	16D9W + 16DV/W	
	Space heating	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+++							
Indoor Unit				EBBX	11D6V	11D9W	16D6V	16D9W	16D6V	16D9W	
Casing	Colour				White + Black						
	Material				Resin, sheet metal						
Dimensions	Unit	HeightxWidthxDepth		mm	840x440x390						
Weight	Unit			kg	52,5		54,5				
Operation range	Heating	Ambient	Min.~Max.	°C	-25 ~ 35						
		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.				44						
Sound pressure level	Nom.				30						
Outdoor Unit				ERLA	11DV3/W1		14DV3/W1		16DV3/W1		
Dimensions	Unit	HeightxWidthxDepth		mm	870x1100x460						
Weight	Unit			kg	101						
Compressor	Quantity					1					
	Type					Hermetically sealed swing inverter compressor					
Operation range	Heating	Min.~Max.		°CDB	-25 ~ 35						
	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	32/16						

This product contains fluorinated greenhouse gases.