

Daikin Altherma 3 R The power pact



The Daikin Altherma 3 R is the world's first high capacity R-32 refrigerant split unit, providing cooling next to heating and domestic hot water.

Improved compactness

A redesigned casing

A black horizontal front grille hides the single fan, reducing the perception of sound produced by the unit.

The light grey casing reflects the installation space to help the unit blend into any environment.

A single fan for high-capacity units

Daikin engineers replaced the double fan with one larger fan and optimised its shape to lower the operational sound and improve air circulation.



1,100 mm

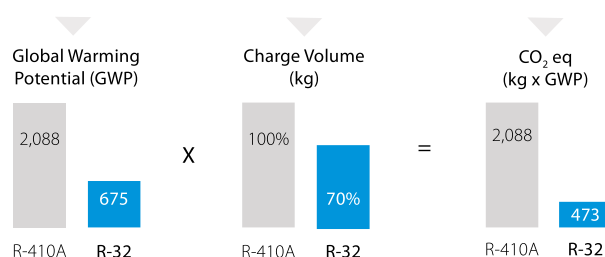


Running on refrigerant R-32

Daikin is a pioneer in launching heat pumps equipped with R-32. With a lower Global Warming Potential (GWP), the R-32 is equivalent in power to standard refrigerants, but achieves higher energy efficiency and lower CO₂ emissions. Easy to recover and reuse, R-32 is the perfect solution for attaining the new European CO₂ emission targets.

Reduced environmental impact: CO₂eq > reduced by 75%

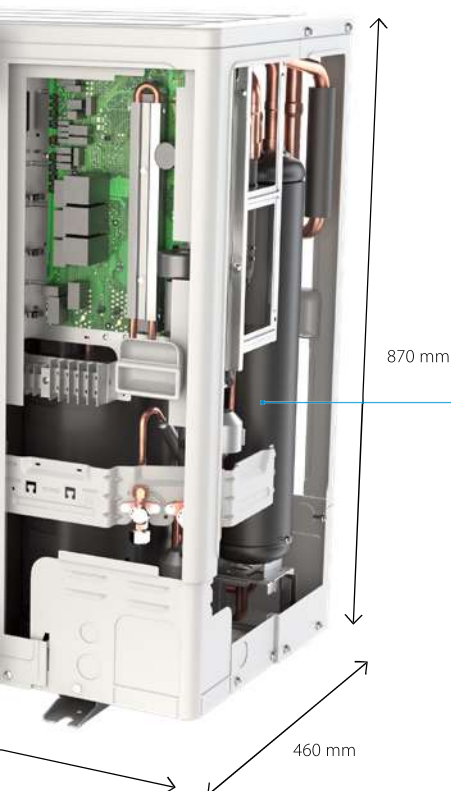
- GWP: R410A: 2,088 > R-32: 675
- 30% less refrigerant charge needed



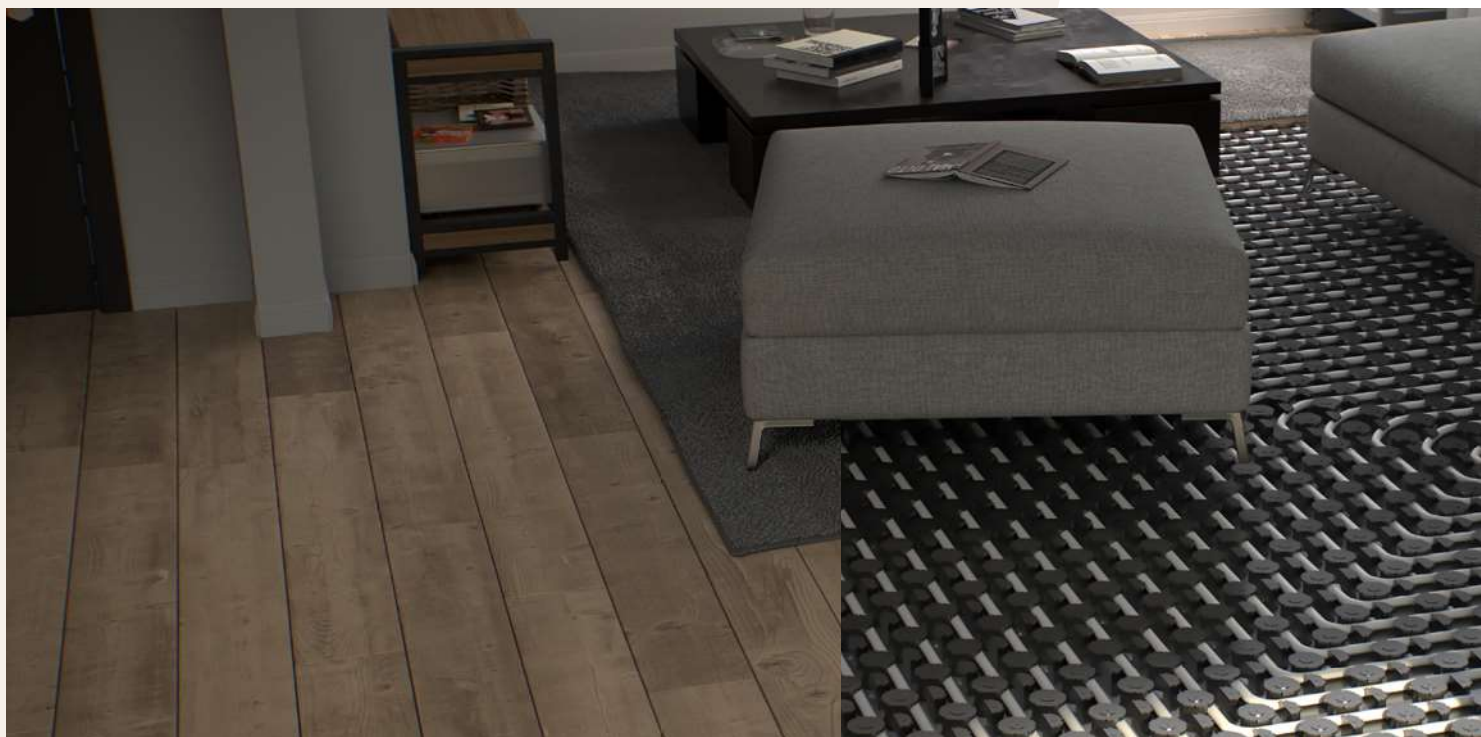
R-32 BLUEvolution

Ideal for small spaces

Thanks to its single fan, the height is reduced, and its black grille makes it fit discretely in all kind of exteriors.



Check out the improved compactness!



Improved performance

All year round comfort

Daikin Altherma 3 R provides heating efficiently, both for space or domestic water.

With a leaving water temperature of up to 60°C at -7°C outside, the unit is intended for new buildings. The unit operations are ensured down to -25°C outside temperature.

As a low temperature heat pump, it is particularly efficient with low temperature emitters, such as underfloor heating and heat pump convectors, both available in the total Daikin solution.

World first in its category

Indeed, Daikin Altherma 3 R is the world first high capacity R-32 refrigerant split heat pump to provide cooling, next to heating!

A patent is also pending for the plate heat exchanger, positioning once more Daikin as the heat pump leader (patent application n°EP3839360).



Check out the improved performance!



Underfloor heating



Heat pump convector

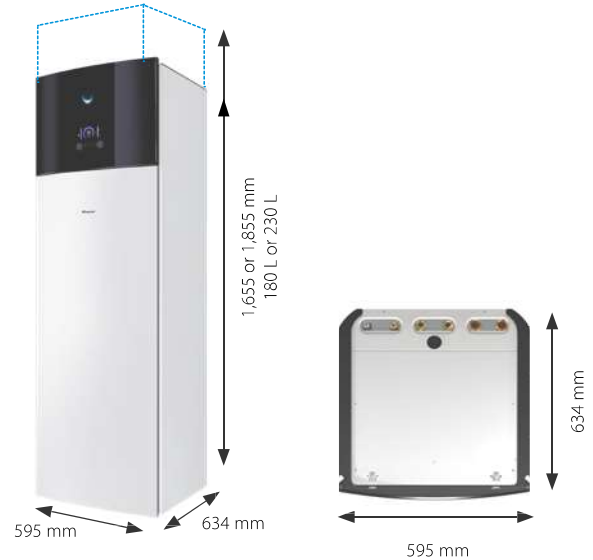


Daikin Altherma 3 R, a complete offer

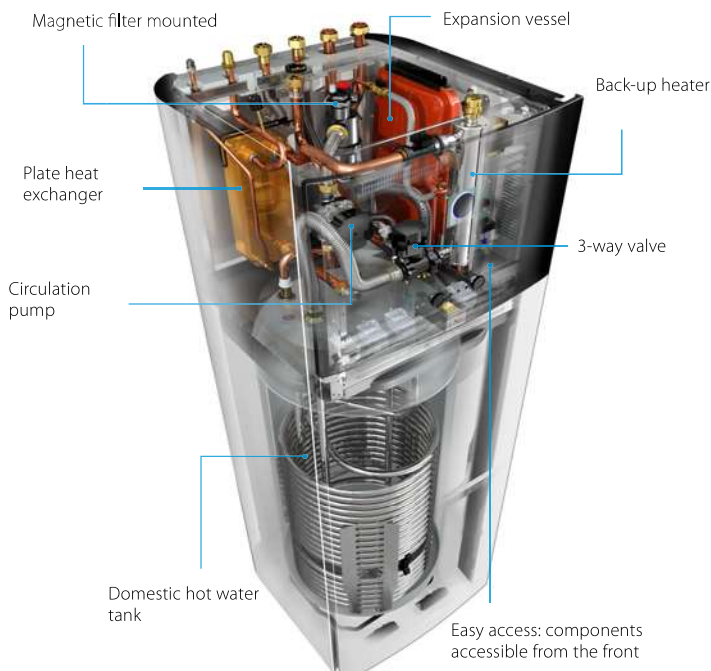
- ☒ Space Heating
- ☒ Space Cooling
- ☒ Domestic hot water
- ☒ App and voice control
- ☒ Flexible emitter choice
- ☒ All year round peace of mind

Floor standing unit with integrated tank

With a small footprint of 595 x 634 mm, the integrated indoor unit has a similar footprint when compared to other household appliances. The unit is equipped with a tank of 180 or 230 L to answer your domestic hot water demand.



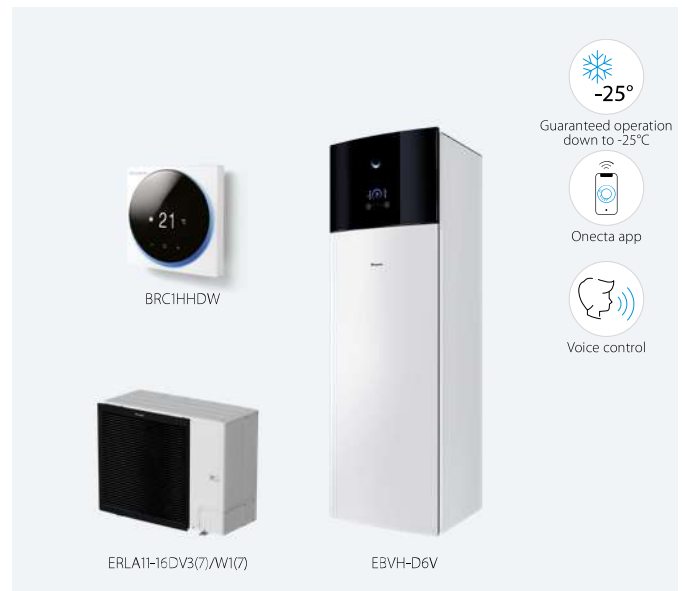
Floor standing air to water heat pump for heating and hot water: EBVH units
 Floor standing air to water heat pump for heating, cooling and hot water: EBVX units
 Floor standing unit integrated with different temperature zones management: EBVZ units



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



-25°

Guaranteed operation down to -25°C



Onecta app



Voice control



011-1W0495
011-1W0496
011-1W0497
011-1W0498
011-1W0499
011-1W0500



EBVH-D6V



EBVH-D9W



ERLA11-14DV3



ERLA11-14DW1



ERLA-DV37



ERLA-DW17



up to



Efficiency data					EBVH + ERLA	11S18D6V/9W + 11DV/W	11S23D6V/9W + 11DV/W	16S18D6V/9W + 14DV/W	16S23D6V/9W + 14DV/W	16S18D6V/9W + 16DV7/W7	16S23D6V/9W + 16DV7/W7
	Average climate water outlet 55°C	General	SCOP	%	3.23		3.22		3.32		
			ηs (Seasonal space heating efficiency)		126		130				
	Average climate water outlet 35°C	General	Seasonal space heating eff. class								
			SCOP	%	4.63		4.60		4.61		
			ηs (Seasonal space heating efficiency)	%	182		181				
			Seasonal space heating eff. class								
	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	
		ηwh (water heating efficiency) %			116	109	116	109	116	109	
		Water heating energy efficiency class									
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	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	16DV37/W17			
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						
	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		TCO2Eq		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



Guaranteed operation down to -25°C



Onecta app



Voice control



up to



60°C

R-32



011-1W0495
011-1W0496
011-1W0497
011-1W0498
011-1W0499
011-1W0500



EBVX-D6V



EBVX-D9W



ERLA11-14DV3



ERLA11-14DW1



ERLA-DV37



ERLA-DW17

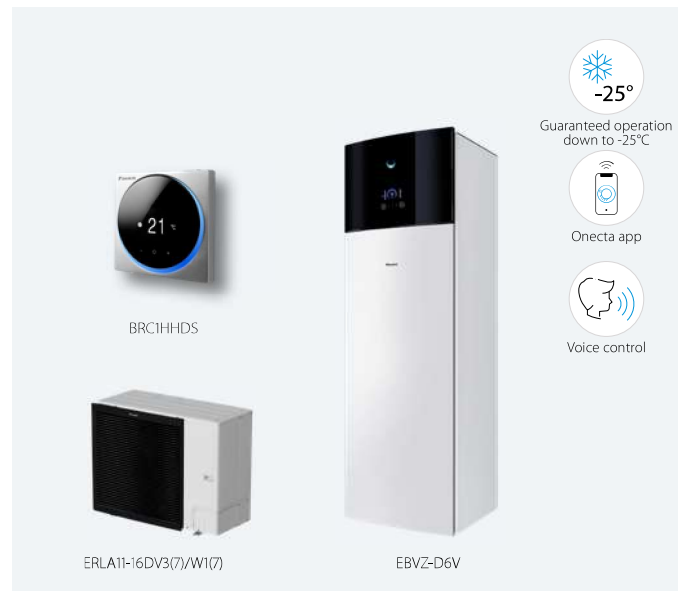
Efficiency data				EBVX + ERLA	11S18D6V/9W + 11DV/W	11S23D6V/9W + 11DV/W	16S18D6V/9W + 14DV/W	16S23D6V/9W + 14DV/W	16S18D6V/9W + 16DV7/W7	16S23D6V/9W + 16DV7/W7
 Space heating	Average climate water outlet 55°C	General	SCOP	%	3.27		3.26		3.35	
			ηs (Seasonal space heating efficiency)		128				131	
			Seasonal space heating eff. class							
	Average climate water outlet 35°C	General	SCOP	%	4.72		4.68			
		ηs (Seasonal space heating efficiency)		186		184				
			Seasonal space heating eff. class							
 Domestic hot water heating	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
		ηwh (water heating efficiency)	%	116	109	116	109	116	109	
		Water heating energy efficiency class								
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	
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	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	16DV37/W17			
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					
	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		TCO2Eq		2.57					
	Control				Expansion valve					
LW(A) Sound power level (according to EN14825)					62					
Sound pressure level Nom. (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 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



EBVZ-D6V

EBVZ-D9W

ERLA11-14DV3

ERLA11-14DW1

ERLA-DV37

ERLA-DW17

Efficiency data				EBVZ + ERLA 16S18D6V/9W + 11DV/W		16S23D6V/9W + 11DV/W		16S18D6V/9W + 14DV/W		16S23D6V/9W + 14DV/W		16S18D6V/9W + 16DV7/W7		16S23D6V/9W + 16DV7/W7	
	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														
	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															
	General	Declared load profile			L	XL	L	XL	L	XL	L	XL	L	XL	
	Average climate	COPdhw			2.73	2.63	2.73	2.63	2.73	2.63	2.73	2.63	2.73	2.63	
		ηwh (water heating efficiency) %			116	109	116	109	116	109	116	109	116	109	
		Water heating energy efficiency class													

Indoor Unit				EBVZ	16S18D6V/9W	16S23D6V/9W	16S18D6V/9W	16S23D6V/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	1,855x595x634
Weight	Unit		kg	137	145	137	145	137	145	145
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 ~ 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	16DV37/W17			
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				
	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		TCO2Eq			2.57				
	Control					Expansion valve				
LW(A) Sound power level (according to EN14825)						62				
Sound pressure level Nom. (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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