

Daikin Altherma 3 H EPGA-DV7 11-14-16 kW

Product catalogue 2022



EAB(H/X)-D6V7/9W7



BRC1HHDK



EPGA-DV7



Table of content

Daikin Altherma 3 H 11-14-16 kW	4
Daikin Altherma 3 H F (floor standing)	6
EAVH-D6V7/D9W7 + EPGA-DV7	8
EAVX-D6V7/D9W7 + EPGA-DV7	9
EAVZ-D6V + EPGA-DV7	10
Daikin Altherma 3 H W (wall mounted)	12
EABH-D6V7/D9W7 + EPGA-DV7	14
EABX-D6V7/D9W7 + EPGA-DV7	15
Thermal stores and tanks	16
Daikin Altherma HPC	20
Floor standing model	20
Wall-mounted model	22
Concealed model	23
Onecta App	24
Madoka - wired room thermostat	26
Stand By Me	28
Combination table and options	32

Daikin Altherma 3 H

EPGA-DV7 11-14-16 kW
powered by Bluevolution with R-32

BLUEVOLUTION

R-32

Running on R-32

Bluevolution

The Bluevolution technology combines a very high efficiency compressors developed by Daikin with the R-32 refrigerant.

More environmentally-friendly

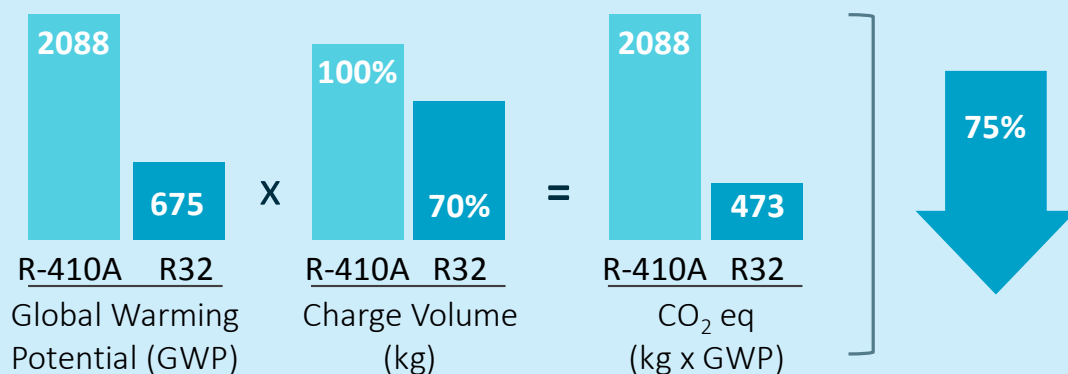
Thanks to the combination of its lower GWP (675 vs. 2,087, 5 for R-410A) and a lower refrigerant charge, R-32 is able to reduce by 75% its CO₂ equivalent which makes it better for the environment.



reddot award 2018
winner



DESIGN
AWARD
2018





Gas injection advantage

Higher capacity at low ambient

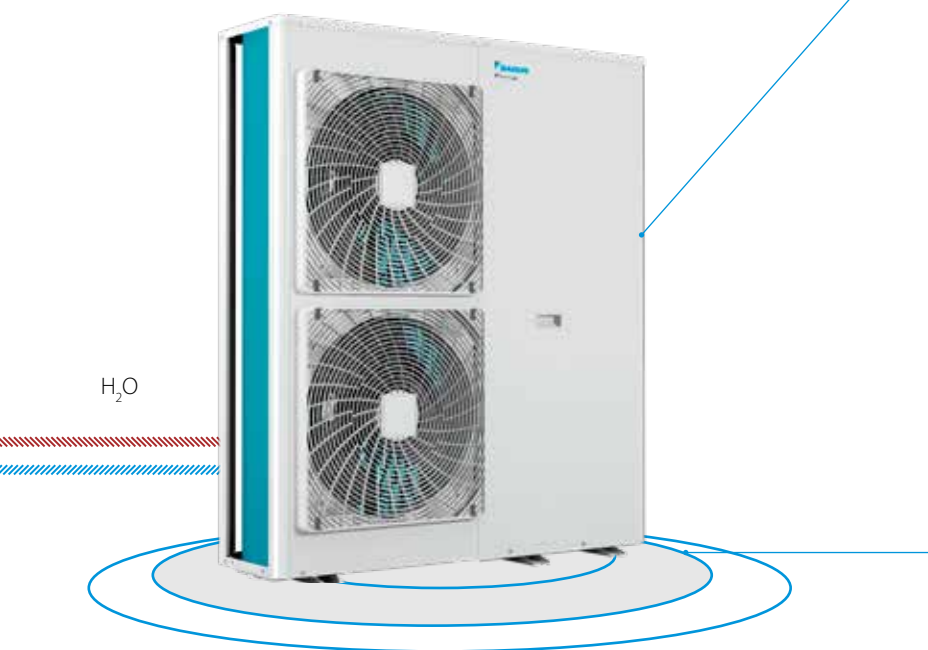
The Daikin Altherma 3 H 11-14-16 kW outdoor unit is equipped with a new gas injection scroll compressor allowing the unit to operate down to -28 °C outside temperature.

Moreover, the heating capacity at low ambient temperature (-7/35 °C) sees an improvement of 35% compared to its predecessor.

Convenient for sensitive urban areas

Low sound installer setting

In order to fulfill the requirements of the most sound sensitive urban areas, the installer can set up the unit in low sound mode that reduce the sound level by -3 dB(A).



Higher performances

Leaving water temperature

With a leaving water temperature of 60 °C at -10 °C outside, the Daikin Altherma 3 H 11-14-16 kW is perfect for:

- › New build applications using underfloor heating
- › Renovation applications using recent radiators

Top energy performances

Thanks to the use of R-32, the unit reaches the highest energy performances represented by the best energy labels.

Daikin Altherma 3 H 11-14-16 kW outdoor unit

The outdoor unit EPGA-D is available in size 11-14-16 kW 1 phase and is connectable to:

- › EAB(H/X)-D wall mounted indoor units
- › EAV(H/X)-D tank integrated floor standing indoor units
- › EAVZ-D tank integrated floor standing indoor units with Bi-Zone heating

up to



Daikin Altherma 3 H F

with integrated domestic hot water tank

Why choose Daikin floor standing unit with integrated domestic hot water tank?

The Daikin Altherma 3 H floor standing unit is the ideal system **to deliver heating, domestic hot water and cooling** for new build and low energy houses.

Easy to install

Small footprint & practical handles



The floor standing unit is designed to be handled easily thanks to its practical handles and without cutting edges. Its small footprint facilitates the installation in smaller spaces and the access to all the hydraulic components helps the installer to work on the unit without effort.



Advanced user interface

The Daikin Eye

The intuitive Daikin eye shows you in real time the status of your system.



Blue

When the Daikin Eye indicates a blue colour, it means the boiler is functioning properly. The Daikin Eye will flash on and off when it's running on stand by mode.



Red

When the Daikin Eye indicates a red colour, it means the boiler is out of commission and requires a maintenance check.



Quick to configure

Log in and you'll be able to completely configure the unit via the new user interface in 9 steps. You can even check if the unit is ready for use by running test cycles. You can upload the settings on an USB stick and download it directly into the unit, or via the cloud.

Easy operation

Work super-fast with the new user interface. It's easy to use with just a few buttons and 2 navigational knobs.

Beautiful design

The user 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.

A complete range to answer all needs

Heating only models - EAVH-D6V7/9W7

The heating only Daikin Altherma 3 models provide domestic hot water and space heating in an efficient way.

Reversible models - EAVX-D6V7/9W7

Additionally to its core function, Daikin Altherma 3 can provide cooling during hot season.

This cooling function is working via emitters such as an underfloor system or thanks to a heat pump convector.



Bi-Zone models - EAVZ-D6V7

Daikin also provides a third option to satisfy all the needs: the Daikin Altherma 3 Bi-Zone models. Bi-Zone means that the unit can manage two different water temperature zones at the same time, for instance radiators (45 °C) in the bedroom and underfloor heating (35 °C) in the living room.



Capacity and sizes



180 or 230 l
1,650 or 1,850 mm

Daikin Altherma 3 H F



Floor standing air to water heat pump for **heating and hot water**; ideal for low energy houses

- › Integrated stainless steel domestic hot water tank of 180 or 230 l
- › PCB board and hydraulic components are located in the front for easy access
- › Small installation footprint of 595 x 625 mm
- › Integrated back-up heater choice of 6 or 9 kW
- › Outdoor unit extracts heat from the outdoor air, even at -28 °C



011-1W0319 -> 324



Efficiency data				EAVH + EPGA	16S18D6V7/ D9W7 + 11DV7	16S23D6V7/ D9W7 + 11DV7	16S18D6V7/ D9W7 + 14DV7	16S23D6V7/ D9W7 + 14DV7	16S18D6V7/ D9W7 + 16DV7	16S23D6V7/ D9W7 + 16DV7	
Heating capacity	Nom.			kW	11.1 (1) / 11.3 (2)		14.5 (1) / 14.5 (2)		16.5 (1) / 15.6 (2)		
Power input	Heating	Nom.		kW	2.16 (1) / 2.91 (2)		2.91 (1) / 3.96 (2)		3.45 (1) / 4.21 (2)		
COP					5.15 (1) / 3.88 (2)		4.99 (1) / 3.65 (2)		4.78 (1) / 3.71 (2)		
	Average climate water outlet 55 °C	General	SCOP		3.29		3.34		3.41		
			η _s (Seasonal space heating efficiency)	%	129		130		133		
			Seasonal space heating eff. class	A++							
	Average climate water outlet 35 °C	General	SCOP		4.38		4.45		4.56		
			η _s (Seasonal space heating efficiency)	%	172		175		179		
				Seasonal space heating eff. class	A++		A+++				
	General	Declared load profile			L	XL	L	XL	L	XL	
	Average climate	η _{wh} (water heating efficiency)			%	104	111	104	111	104	111
				Water heating energy efficiency class	A						
Indoor Unit				EAVH	16S18D6V7/ D9W7	16S23D6V7/ D9W7	16S18D6V7/ D9W7	16S23D6V7/ D9W7	16S18D6V7/ D9W7	16S23D6V7/ D9W7	
Casing	Colour				White + Black						
	Material				Resin / Sheet metal						
Dimensions	Unit	Height x Width x Depth		mm	1,650 x 595 x 625	1,850 x 595 x 625	1,650 x 595 x 625	1,850 x 595 x 625	1,650 x 595 x 625	1,850 x 595 x 625	
Weight	Unit			kg	109	118	109	118	109	118	
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.	°CDB	-28~35						
		Water side	Min.~Max.	°C	18~60						
	Domestic hot water	Ambient	Min.~Max.	°CDB	-28~35						
		Water side	Max.	°C	10~60						
Sound power level	Nom.			dBA	44						
Sound pressure level	Nom.			dBA	30						
Outdoor Unit				EPGA	11DV7		14DV7		16DV7		
Dimensions	Unit	Height x Width x Depth		mm	1,440 x 1,160 x 380						
Weight	Unit			kg	143						
Compressor	Quantity				1						
	Type				Hermetically sealed scroll compressor						
Operation range	Cooling	Min.~Max.		°CDB	10~43						
	Heating/Domestic hot water	Min.~Max.		°CDB	-28~35						
Refrigerant	Type				R-32						
	GWP				675.0						
	Charge			kg	3.50						
	Charge			TCO ₂ /Eq	2.36						
	Control				Expansion valve						
Sound power level	Heating	Nom.		dBA	64				66		
	Cooling	Nom.		dBA			68				
Sound pressure level	Heating	Nom.		dBA	48		49		52		
	Cooling	Nom.		dBA			55				
Power supply	Name/Phase/Frequency/Voltage			Hz/V	V3/1N~/50/230						
Current	Recommended fuses			A	32						

(1) Cooling Ta 35 °C - LWE 18 °C (DT = 5 °C); heating Ta DB/WB 7 °C/6 °C - LWC 35 °C (DT = 5 °C) (2) Cooling Ta 35 °C - LWE 7 °C (DT = 5 °C); heating Ta DB/WB 7 °C/6 °C - LWC 45 °C (DT = 5 °C).

This product contains fluorinated greenhouse gases.

Daikin Altherma 3 H F



Floor standing air to water heat pump for **heating, cooling and hot water**; ideal for low energy houses

- › Integrated stainless steel domestic hot water tank of 180 or 230 l
- › PCB board and hydraulic components are located in the front for easy access
- › Small installation footprint of 595 x 625 mm
- › Integrated back-up heater choice of 6 or 9 kW
- › Outdoor unit extracts heat from the outdoor air, even at -28 °C



011-1W0319 -> 324



Efficiency data				EAVX + EPGA	16S18D6V7/ D9W7 + 11DV	16S23D6V7/ D9W7 + 11DV	16S18D6V7/ D9W7 + 14DV	16S23D6V7/ D9W7 + 14DV	16S18D6V7/ D9W7 + 16DV	16S23D6V7/ D9W7 + 16DV	
Heating capacity	Nom.			kW	11.1 (1) / 11.3 (2)		14.5 (1) / 14.5 (2)		16.5 (1) / 15.6 (2)		
Power input	Heating	Nom.		kW	2.16 (1) / 2.91 (2)		2.91 (1) / 3.96 (2)		3.45 (1) / 4.21 (2)		
Cooling capacity	Nom.			kW	10.5 (1) / 10.7 (2)		11.1 (1) / 11.9 (2)		13.5 (1) / 11.9 (2)		
Power input	Cooling	Nom.		kW	2.21 (1) / 3.30 (2)		2.72 (1) / 3.97 (2)		3.42 (1) / 3.97 (2)		
COP					5.15 (1) / 3.88 (2)		4.99 (1) / 3.65 (2)		4.78 (1) / 3.71 (2)		
EER					4.75 (1) / 3.23 (2)		4.09 (1) / 2.99 (2)		3.94 (1) / 2.99 (2)		
	Average climate water outlet 55 °C	General	SCOP		3.32		3.37		3.43		
			ηs (Seasonal space heating efficiency)	%	130		132		134		
			Seasonal space heating eff. class		A++						
	Average climate water outlet 35 °C	General	SCOP		4.44		4.51		4.61		
			ηs (Seasonal space heating efficiency)	%	175		178		182		
Seasonal space heating eff. class				A++		A+++					
	General	Declared load profile			L	XL	L	XL	L	XL	
	Average climate	ηwh (water heating efficiency)			104	111	104	111	104	111	
	Water heating energy efficiency class			A							
Indoor Unit				EAVX	16S18D6V7/ D9W7	16S23D6V7/ D9W7	16S18D6V7/ D9W7	16S23D6V7/ D9W7	16S18D6V7/ D9W7	16S23D6V7/ D9W7	
Casing	Colour				White + Black						
	Material				Resin / Sheet metal						
Dimensions	Unit	Height x Width x Depth		mm	1,650 x 595 x 625	1,850 x 595 x 625	1,650 x 595 x 625	1,850 x 595 x 625	1,650 x 595 x 625	1,850 x 595 x 625	
Weight	Unit				kg	109	118	109	118	109	118
Tank	Water volume			l	180	230	180	230	180	230	
	Maximum water temperature			°C	70						
Operation range	Maximum water pressure			bar	10						
	Corrosion protection				Pickling						
	Heating	Ambient	Min.~Max.	°CDB	-28~35						
		Water side	Min.~Max.	°C	18~60						
	Cooling	Ambient	Min.~Max.	°CDB	10~43						
		Water side	Min.~Max.	°C	5~22						
	Domestic hot water	Ambient	Min.~Max.	°CDB	-28~35						
Sound power level	Nom.				dBA	10~60x					
Sound pressure level	Nom.				dBA	44					
					30						
Outdoor Unit				EPGA	11DV7		14DV7		16DV7		
Dimensions	Unit	Height x Width x Depth		mm	1,440 x 1,160 x 380						
Weight	Unit				kg	143					
Compressor	Quantity					1					
Operation range	Type				Hermetically sealed scroll compressor						
	Cooling	Min.~Max.		°CDB	10~43						
	Heating/Domestic hot water	Min.~Max.		°CDB	-28~35						
Refrigerant	Type				R-32						
	GWP				675.0						
	Charge				kg	3.50					
	Charge				TCO ₂ Eq	2.36					
	Control				Expansion valve						
Sound power level	Heating	Nom.		dBA	64				66		
	Cooling	Nom.		dBA	68						
Sound pressure level	Heating	Nom.		dBA	48	49				52	
	Cooling	Nom.		dBA	55						
Power supply	Name/Phase/Frequency/Voltage				Hz/V	V3/1N~/50/230					
Current	Recommended fuses				A	32					

(1) Cooling Ta 35 °C - LWE 18 °C (DT = 5 °C); heating Ta DB/WB 7 °C/6 °C - LWC 35 °C (DT = 5 °C) (2) Cooling Ta 35 °C - LWE 7 °C (DT = 5 °C); heating Ta DB/WB 7 °C/6 °C - LWC 45 °C (DT = 5 °C).
This product contains fluorinated greenhouse gases.

Daikin Altherma 3 H F



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

- › Integrated stainless steel domestic hot water tank of 180 or 230 l
- › PCB board and hydraulic components are located in the front for easy access
- › Small installation footprint of 595 x 625 mm
- › Integrated back-up heater choice of 6 kW
- › Outdoor unit extracts heat from the outdoor air, even at -28 °C



011-1W0319 -> 324



Efficiency data				EAVZ + EPGA	16S18D6V7 + 11DV7	16S23D6V7 + 11DV7	16S18D6V7 + 14DV7	16S23D6V7 + 14DV7	16S18D6V7 + 16DV7	16S23D6V7 + 16DV7	
Heating capacity	Nom.			kW	11.1 (1) / 11.3 (2)		14.5 (1) / 14.5 (2)		16.5 (1) / 15.6 (2)		
Power input	Heating	Nom.		kW	2.16 (1) / 2.91 (2)		2.91 (1) / 3.96 (2)		3.45 (1) / 4.21 (2)		
COP					5.15 (1) / 3.88 (2)		4.99 (1) / 3.65 (2)		4.78 (1) / 3.71 (2)		
 Space heating	Average climate water outlet 55 °C	General	SCOP		3.29		3.34		3.41		
			ηs (Seasonal space heating efficiency)	%	129		130		133		
		Seasonal space heating eff. class				A++					
	Average climate water outlet 35 °C	General	SCOP		4.38		4.45		4.56		
			ηs (Seasonal space heating efficiency)	%	172		175		179		
			Seasonal space heating eff. class		A++		A+++				
 Domestic hot water heating	General	Declared load profile			L	XL	L	XL	L	XL	
	Average climate	ηwh (water heating efficiency)			104	111	104	111	104	111	
		Water heating energy efficiency class			A						
Indoor Unit				EAVZ	16S18D6V7	16S23D6V7	16S18D6V7	16S23D6V7	16S18D6V7	16S23D6V7	
Casing	Colour				White + Black						
	Material				Resin / Sheet metal						
Dimensions	Unit	Height x Width x Depth		mm	1,650 x 595 x 625	1,850 x 595 x 625	1,650 x 595 x 625	1,850 x 595 x 625	1,650 x 595 x 625	1,850 x 595 x 625	
Weight	Unit				kg	120	128	120	128	120	128
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.	°CDB	-28~35						
		Water side	Min.~Max.	°C	18~60						
	Domestic hot water	Ambient	Min.~Max.	°CDB	-28~35						
		Water side	Min.~Max..	°C	10~60						
Sound power level	Nom.			dBA	44						
Sound pressure level	Nom.			dBA	30						
Outdoor Unit				EPGA	11DV7		14DV7		16DV7		
Dimensions	Unit	Height x Width x Depth		mm	1,440 x 1,160 x 380						
Weight	Unit				kg	143					
Compressor	Quantity				1						
	Type				Hermetically sealed scroll compressor						
Operation range	Cooling	Min.~Max.		°CDB	10~43						
	Heating/Domestic hot water	Min.~Max.		°CDB	-28~35						
Refrigerant	Type				R-32						
	GWP				675.0						
	Charge	kg			3.50						
	Charge	TCO2Eq			2.36						
	Control				Expansion valve						
Sound power level	Heating	Nom.		dBA	64				66		
	Cooling	Nom.		dBA							
Sound pressure level	Heating	Nom.		dBA	48		49		52		
	Cooling	Nom.		dBA	55						
Power supply	Name/Phase/Frequency/Voltage			Hz/V	V3/1N~/50/230						
Current	Recommended fuses			A	32						

(1) Cooling Ta 35 °C - LWE 18 °C (DT = 5 °C); heating Ta DB/WB 7 °C/6 °C - LWC 35 °C (DT = 5 °C) (2) Cooling Ta 35 °C - LWE 7 °C (DT = 5 °C); heating Ta DB/WB 7 °C/6 °C - LWC 45 °C (DT = 5 °C).

This product contains fluorinated greenhouse gases.



Daikin Altherma 3 H W

wall mounted unit



Why choose Daikin wall mounted unit?

The Daikin Altherma 3 H W 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



Advanced user interface

The Daikin Eye

The intuitive Daikin eye shows you in real time the status of your system.



Blue

When the Daikin Eye indicates a blue colour, it means the boiler is functioning properly. The Daikin Eye will flash on and off when it's running on stand by mode.



Red

When the Daikin Eye indicates a red colour, it means the boiler is out of commission and requires a maintenance check.



Quick to configure

Log in and you'll be able to completely configure the unit via the new user interface in 9 steps. You can even check if the unit is ready for use by running test cycles. You can upload the settings on an USB stick and download it directly into the unit, or via the cloud.

Easy operation

Work super-fast with the new user interface. It's easy to use with just a few buttons and 2 navigational knobs.

Beautiful design

The user 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.

Multiple tank solutions, infinite possibilities

ECH₂O Thermal stores (EKHWP-(P)B)

Connect your Daikin Altherma 3 wall mounted unit with a thermal store and take advantage of the energy of the sun.

Stainless steel tank (EKHWS(U)-D)

Connect your Daikin Altherma 3 wall mounted unit with a stainless steel tank to achieve efficient domestic hot water heating production.

Flexibility in providing domestic hot water

Heating only models - EABH-D

The heating only Daikin Altherma 3 models provide domestic hot water and space heating in an efficient way.



Reversible models - EABX-D

Additionally to its core function, Daikin Altherma 3 can provide cooling during hot season.

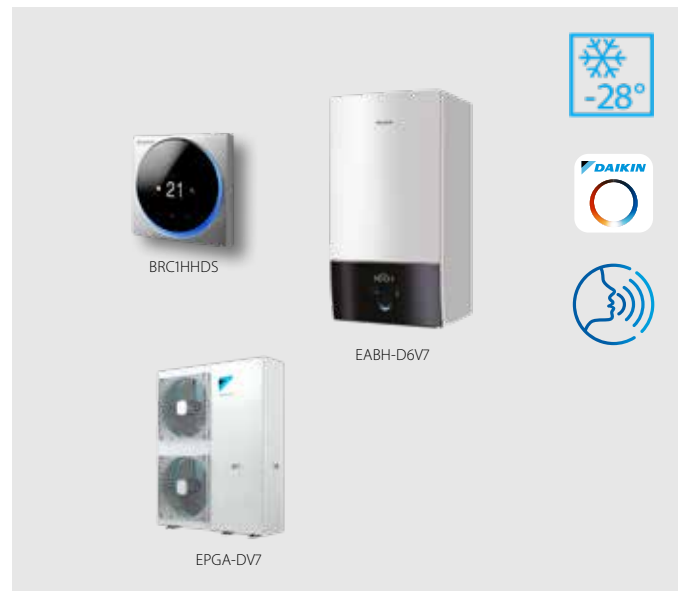
This cooling function is working via emitters such as an underfloor system or thanks to a fancoil.




Daikin Altherma 3 H W

Wall mounted **heating only** air-to-water heat pump
ideal for low energy houses

- › Combine with a stainless steel tank or ECH₂O thermal store to provide domestic hot water
- › 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
- › Integrated back-up heater choice of 6 or 9 kW
- › Outdoor unit extracts heat from the outdoor air, even at -28 °C



011-1W0319 -> 324

Efficiency data				EABH + EPGA	16D6V7/D9W7 + 11DV7		16D6V7/D9W7 + 14DV7		16D6V7/D9W7 + 16DV7	
Heating capacity	Nom.			kW	11.1 (1) / 11.3 (2)		14.5 (1) / 14.5 (2)		16.5 (1) / 15.6 (2)	
Power input	Heating	Nom.		kW	2.16 (1) / 2.91 (2)		2.91 (1) / 3.96 (2)		3.45 (1) / 4.21 (2)	
COP					5.15 (1) / 3.88 (2)		4.99 (1) / 3.65 (2)		4.78 (1) / 3.71 (2)	
 Space heating	Average climate water outlet 55 °C	General	SCOP		3.29		3.34		3.41	
			η _s (Seasonal space heating efficiency)	%	129		130		133	
		Seasonal space heating eff. class				A++				
	Average climate water outlet 35 °C	General	SCOP		4.38		4.45		4.56	
			η _s (Seasonal space heating efficiency)	%	172		175		179	
			Seasonal space heating eff. class		A++				A+++	
Indoor Unit				EABH	16D6V7	16D9W7	16D6V7	16D9W7	16D6V7	16D9W7
Casing	Colour				White + Black					
	Material				Resin, sheet metal					
Dimensions	Unit	Height x Width x Depth		mm	840 x 440 x 390					
Weight	Unit			kg	38					
Operation range	Heating	Ambient	Min.~Max.	°CDB	-28~35					
		Water side	Min.~Max.	°C	18~60					
	Domestic hot water	Ambient	Min.~Max.	°CDB	-28~35					
		Water side	Max.	°C	10~60					
Sound pressure level	Nom.			dBA	30					
Outdoor Unit				EPGA	11DV7		14DV7		16DV7	
Dimensions	Unit	Height x Width x Depth		mm	1,440 x 1,160 x 380					
Weight	Unit			kg	143					
Compressor	Quantity				1					
	Type				Hermetically sealed scroll compressor					
Operation range	Cooling		Min.~Max.	°CDB	10~43					
	Heating/Domestic hot water		Min.~Max.	°CDB	-28~35					
Refrigerant	Type				R-32					
	GWP				675.0					
	Charge			kg	3.50					
	Charge			TCO ₂ Eq	2.36					
	Control				Expansion valve					
Sound power level	Heating		Nom.	dBA	64				66	
	Cooling		Nom.	dBA	68					
Sound pressure level	Heating		Nom.	dBA	48		49		52	
	Cooling		Nom.	dBA	55					
Power supply	Name/Phase/Frequency/Voltage			Hz/V	V3/1N~/50/230					
Current	Recommended fuses			A	32					

(1) Cooling Ta 35 °C - LWE 18 °C (DT = 5 °C); heating Ta DB/WB 7 °C/6 °C - LWC 35 °C (DT = 5 °C) (2) Cooling Ta 35 °C - LWE 7 °C (DT = 5 °C); heating Ta DB/WB 7 °C/6 °C - LWC 45 °C (DT = 5 °C).
This product contains fluorinated greenhouse gases.


Daikin Altherma 3 H W

Wall mounted **reversible** air-to-water heat pump
ideal for low energy houses

- › Combine with a stainless steel tank or ECH₂O thermal store to provide domestic hot water
- › 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
- › Integrated back-up heater choice of 6 or 9 kW
- › Outdoor unit extracts heat from the outdoor air, even at -28 °C



011-1W0319 -> 324

Efficiency data				EABX + EPGA	16D6V7/D9W7 + 11DV7		16D6V7/D9W7 + 14DV7		16D6V7/D9W7 + 16DV7			
Heating capacity	Nom.			kW	11.1 (1) / 11.3 (2)		14.5 (1) / 14.5 (2)		16.5 (1) / 15.6 (2)			
Power input	Heating	Nom.		kW	2.16 (1) / 2.91 (2)		2.91 (1) / 3.96 (2)		3.45 (1) / 4.21 (2)			
Cooling capacity	Nom.			kW	10.5 (1) / 10.7 (2)		11.1 (1) / 11.9 (2)		13.5 (1) / 11.9 (2)			
Power input	Cooling	Nom.		kW	2.21 (1) / 3.30 (2)		2.72 (1) / 3.97 (2)		3.42 (1) / 3.97 (2)			
COP					5.15 (1) / 3.88 (2)		4.99 (1) / 3.65 (2)		4.78 (1) / 3.71 (2)			
EER					4.75 (1) / 3.23 (2)		4.09 (1) / 2.99 (2)		3.94 (1) / 2.99 (2)			
 Space heating	Average climate water outlet 55 °C	General	SCOP		3.32		3.37		3.43			
			η _{sp} (Seasonal space heating efficiency)	%	130		132		134			
			Seasonal space heating eff. class				A++					
	Average climate water outlet 35 °C	General	SCOP		4.44		4.51		4.61			
			η _{sp} (Seasonal space heating efficiency)	%	175		178		182			
			Seasonal space heating eff. class		A++				A+++			
Indoor Unit				EABX	16D6V7		16D9W7		16D6V7		16D9W7	
Casing	Colour				White + Black							
	Material				Resin, sheet metal							
Dimensions	Unit	Height x Width x Depth			840 x 440 x 390							
Weight	Unit				kg							
Operation range	Heating	Ambient	Min.~Max.		°CDB							
		Water side	Min.~Max.		°C							
	Cooling	Ambient	Min.~Max.		°CDB							
		Water side	Min.~Max.		°C							
	Domestic hot water	Ambient	Min.~Max.		°CDB							
		Water side	Min.~Max.		°C							
Sound pressure level	Nom.				dBA							
					30							
Outdoor Unit				EPGA	11DV7		14DV7		16DV7			
Dimensions	Unit	Height x Width x Depth			mm							
Weight	Unit				kg							
Compressor	Quantity				1							
	Type				Hermetically sealed scroll compressor							
Operation range	Cooling	Min.~Max.		°CDB								
	Heating/Domestic hot water	Min.~Max.		°CDB								
Refrigerant	Type				R-32							
	GWP				675.0							
	Charge				kg							
	Charge				TCO ₂ Eq							
	Control				Expansion valve							
	Sound power level	Heating	Nom.		dBA							
Cooling		Nom.		dBA								
Sound pressure level	Heating	Nom.		dBA								
	Cooling	Nom.		dBA								
Power supply	Name/Phase/Frequency/Voltage				Hz/V							
Current	Recommended fuses				A							
					V3/1N~/50/230							
					32							

(1) Cooling Ta 35 °C - LWE 18 °C (DT = 5 °C); heating Ta DB/WB 7 °C/6 °C - LWC 35 °C (DT = 5 °C) (2) Cooling Ta 35 °C - LWE 7 °C (DT = 5 °C); heating Ta DB/WB 7 °C/6 °C - LWC 45 °C (DT = 5 °C).

This product contains fluorinated greenhouse gases.

Thermal stores and tanks

Hot water heating installation options

Why choose a thermal store or domestic hot water tank?

Whether you only need hot water or you want to combine your hot water with solar systems, we offer you the best solutions to the highest levels of comfort, energy efficiency and reliability.



Thermal store



Stainless steel tank



Domestic hot water tank

Stainless steel tanks

Comfort

- › Available in 150, 180, 200, 250 and 300 litres in stainless steel EKHWS(U)-D

Efficiency

- › High-quality insulation keeps heat loss to a minimum
- › Efficient temperature heating: from 10°C to 50°C in only 60 minutes
- › Available as an integrated solution or separate tank

Reliability

- › At necessary intervals, the unit can heat up water up to 60°C to prevent the risk of bacteria growth



The ECH₂O thermal store range

ECH₂O thermal store: additional hot water comfort

Combine your monobloc 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

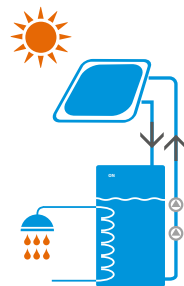
Built for small and large homes, customers can choose between a pressureless and a pressurised hot water system.

Efficiency

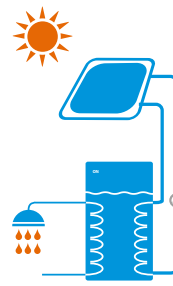
- › Fit for the future: maximise renewable energy sources
- › Intelligent Heat Storage Management: ensures continuous heating during defrost mode, and uses stored heat for space heating
- › High-quality insulation keeps heat loss to a minimum

Reliability

- › Maintenance-free tank: no corrosion, anode, scale or lime deposits, and no water loss through the safety valve



Drain-back solar system



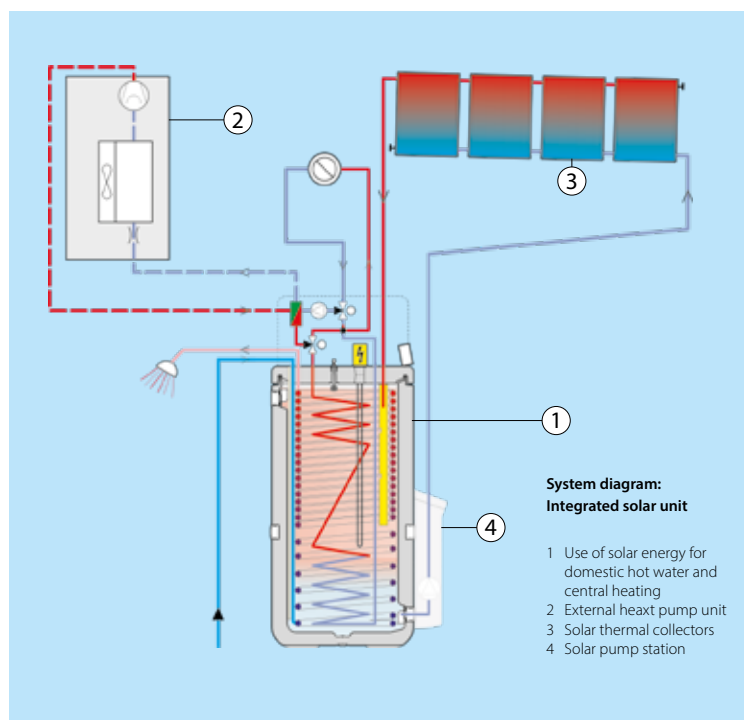
Pressurised solar system

Pressureless (drain-back) solar system

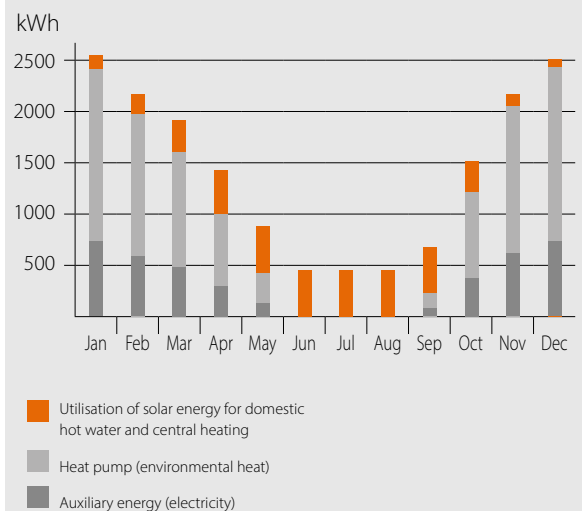
- › The solar collectors are only filled with water when sufficient heating is provided by the sun
- › The pumps in the control and pump unit switch on briefly and fill the collectors with storage tank water
- › After filling, water circulation is maintained by the remaining pump

Pressurised solar system

- › 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



Thermal store

Plastic domestic hot water tank with solar support

- › Tank designed for connection with pressurised thermal solar system
- › Tank designed for connection with drainback thermal solar system
- › Available in 300 and 500 liters
- › Large hot water storage tank to provide domestic hot water at any time
- › Heat loss is reduced to a minimum thanks to the high quality insulation
- › Space heating support possible (500l tank only)



Accessory		EKHWP		300B		500B		300PB		500PB		
Casing	Colour			Traffic white (RAL9016) / Dark grey (RAL7011)								
	Material			Impact resistant polypropylene								
Dimensions	Unit	Width	mm	595	790	595	790					
		Depth	mm	615	790	615	790					
Weight	Unit	Empty	kg	58	82	58	89					
Tank	Water volume			l	294	477	294	477				
	Material			Polypropylen								
	Maximum water temperature			°C	85							
	Insulation	Heat loss	kWh/24h	1.5	1.7	1.5	1.7					
	Energy efficiency class			B								
	Standing heat loss			W	64	72	64	72				
	Storage volume			l	294	477	294	477				
	Heat exchanger	Domestic hot water	Quantity		1							
Tube material			Stainless steel (DIN 1.4404)									
Face area			m²	5.600	5.800	5.600	5.900					
Internal coil volume			l	27.1	28.1	27.1	28.1					
Operating pressure			bar	6								
Average specific thermal output			W/K	2,790	2,825	2,790	2,825					
Charging		Quantity		1								
		Tube material			Stainless steel (DIN 1.4404)							
		Face area	m²	3	4	3	4					
		Internal coil volume	l	13	18	13	18					
		Operating pressure	bar	3								
		Average specific thermal output	W/K	1,300	1,800	1,300	1,800					
Pressurised solar		Average specific thermal output	W/K	-		390.00		840.00				
Auxiliary solar heating		Tube material			-	Stainless steel (DIN 1.4404)	-	Stainless steel (DIN 1.4404)				
		Face area	m²	-	1	-	1					
		Internal coil volume	l	-	4	-	4					
		Operating pressure	bar	-	3	-	3					
	Average specific thermal output	W/K	-	280	-	280						

EKHS(U)-D

Domestic hot water tank

Stainless steel domestic hot water tank

- › Available in 150, 180, 200, 250 and 300 litres in stainless steel EKHS(U)-D



Accessory			EKHS	150(U)D3V3	180(U)D3V3	200(U)D3V3	250(U)D3V3	300(U)D3V3
Casing	Colour			Neutral white				
	Material			Epoxy coated steel / Epoxy-coated mild steel				
Weight	Unit	Empty	kg	45	50	53	58	63
Tank	Water volume		l	145	174	192	242	292
	Material			Stainless steel (EN 1.4521)				
	Maximum water temperature		°C	75				
	Insulation	Heat loss	kWh/24h	1.1	1.2	1.3	1.4	1.6
	Energy efficiency class			B				
	Standing heat loss		W	45	50	55	60	68
	Storage volume		l	145	174	192	242	292
	Heat exchanger	Domestic hot water	Quantity		1			
Tube material				Stainless steel (EN 1.4521)				
Face area		m²	1.050	1.400	1.800			
Internal coil volume		l	4.9	6.5	8.2			
Operating pressure		bar	10					
Booster heater		Capacity		kW	3			
Power supply	Phase/Frequency/Voltage		Hz/V	1~/50/230				



Daikin Altherma HPC Floor standing model



The floor standing heat pump convector impresses with its low sound operations, and its slim design that received the RedDot Award 2020. Next to heating and cooling, the unit can also provide indoor air quality control.

Why Indoor Air Quality Matters

Indoor Air Quality (IAQ) refers to the air quality in a building or structure, breathed in every day by the building's occupants.

When planning new residential buildings, schools, offices or light commercial buildings, many things must be considered. Besides structural factors, there are also the topics of heating, cooling and something often neglected: indoor air quality.

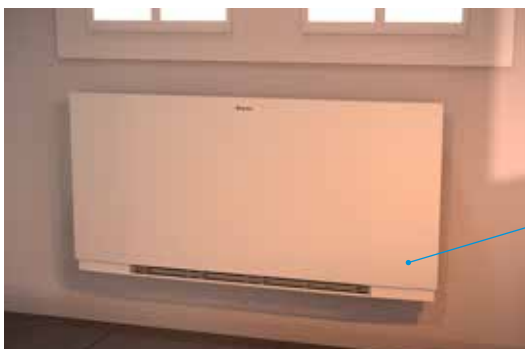
Did you know that the indoor air we breathe, whether at home, at the office, or in a hotel room could in fact be much more polluted than the air outside?

- › 90% of our lives is spent indoors
- › Indoor air quality can be 2 to 5 times worse than outdoor air quality because of pollutants, such as pollen, bacteria, etc.



How does Daikin Altherma HPC ensure a healthy and comfortable indoor air quality?

When a pollutant level of indoor air is reached, the IAQ sensor opens a damper, which allows fresh air to come in. The incoming fresh air is immediately heated or cooled (depending on the demand) by the heat pump convector. In this way the indoor air remains of good quality while comfort is ensured.

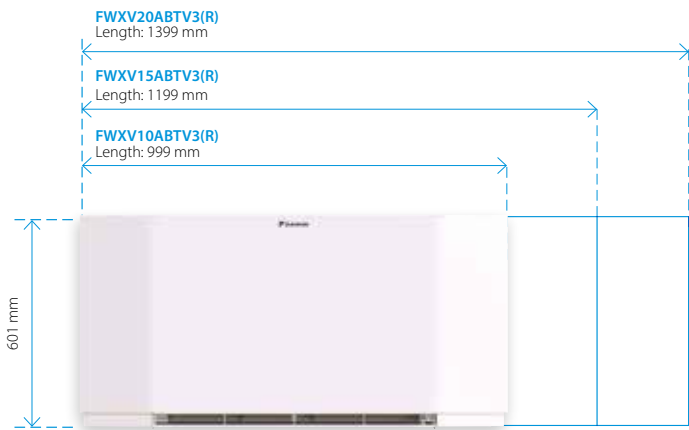




Slim design

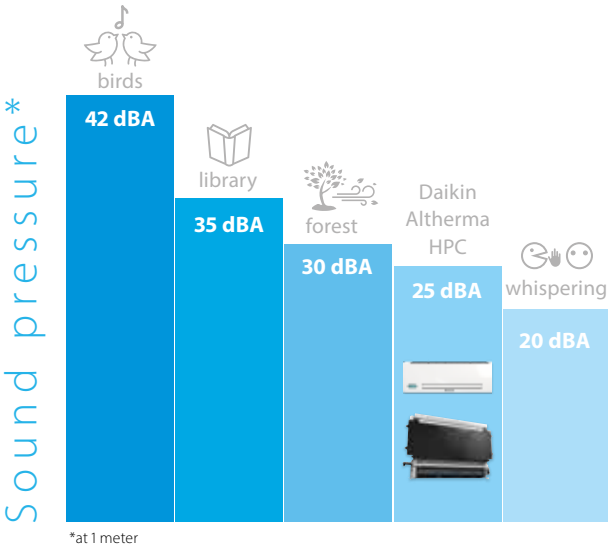


The floor standing Daikin Altherma HPC has a depth of only 135 mm that fits any house or apartment. Its optimised design was rewarded with the Reddot Design Award 2020.



Discreet

As the unit reaches its set point, a continuous modulating fan gradually reduces its speed and creates less noise. For the wall mounted and concealed units, the sound pressure measures 25dB(A) at 1m when the fan is on low-speed setting. Even lower sound pressure in super-silent mode (night mode).



Fast and high capacity

The Daikin Altherma HPC combines the advantages of residential underfloor heating and radiators. It delivers high-capacity heating or cooling faster and can be set at ultra-low temperatures (35/30 °C regime).



Controls

Daikin offers a wide variety of controllers that are functional and have a great design.

EKRTCTRL1



- > Built-in controller
- > Fully modulating
- > Multicolor display

EKRTCTRL2



- > Built-in controller
- > 4 speed settings

EKWHCTRL1



- > Wall controller
- > Fully modulating
- > In combination with EKWHCTRL0

EKPCBO



- > Built-in controller
- > ON/OFF
- > In combination with external thermostats

EKWHCTRL1A



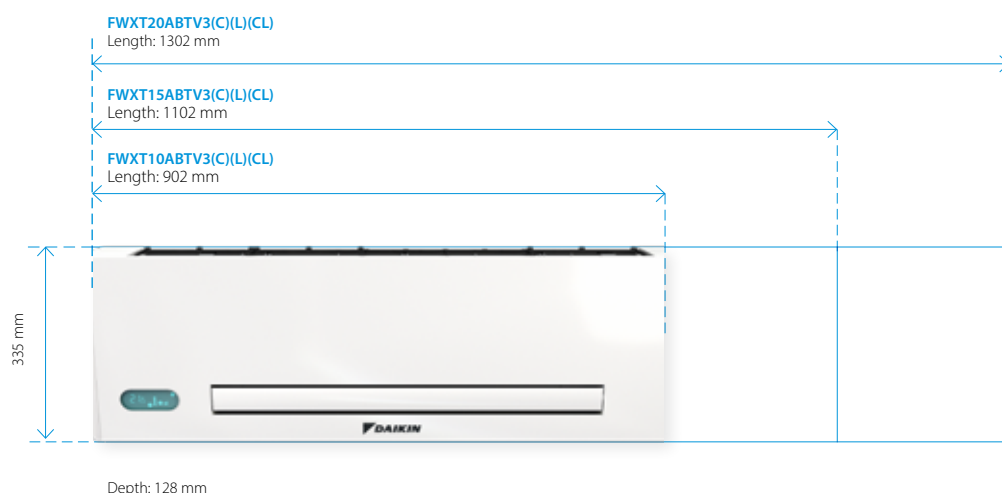
- > Wall controller
- > Fully modulating
- > In combination with EKWHCTRL0
- > Includes indoor air quality sensor

Wall-mounted model

Thanks to its slim design, our wall-mounted unit blends in with your interior discreetly while helping you save valuable floor space.

Slim design

Daikin Altherma HPC is a compact unit made of a design metal casing including all valves.



Controls

Choice of:

- › Fully modulating controller allowing for remote control of the unit.
- › Infrared remote controller and on-board touch panel.

EKWHCTRL1



- › Wall controller
- › Fully modulating
- › For models FWXT-ABTV3(L)

Infrared remote controller



- › Remote
- › Fully modulating
- › For models FWXT-ABTV3C(L)

Compactness



1 Slim depth

The depth of 128 mm is an outstanding technical achievement that ensures a perfect fit in any home.

2 More space for valves

Ease of installation: the space for hydraulic valves is wide and easily accessible.

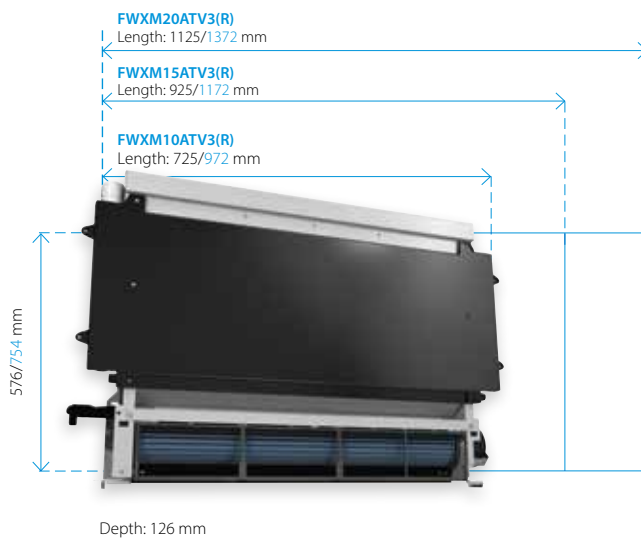
3 Modulated airflow

When there is less heating demand, the unit modulates its airflow to slow down the fan rate, and in the process, lowers the operational sound.



Forget about your heating or cooling installation altogether: our concealed model vanishes into the wall or ceiling for visual comfort while preserving its unique heating and cooling capabilities.

Slim design



Blue dimensions are for the front cover.

Controls

EKWHCTRL1



- › Wall controller
- › Fully modulating
- › In combination with EKWHCTRL0

Flexible installation

Daikin Altherma HPC can be installed in four different ways, allowing you to install it in almost all conditions. The unit can be positioned horizontally or vertically. For horizontal, in-ceiling installation, three different possibilities are offered:

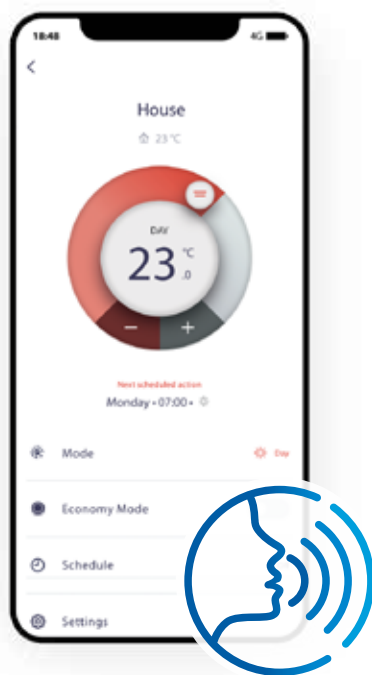
- › Horizontal cover panel and vertical grille for air outlet
- › Horizontal intake grille and vertical grille for air outlet
- › Horizontal intake and outlet grilles



Onecta App

Now available with voice control

The Onecta App is for those who live their life on the go and who want to manage their heating system from their smartphone.



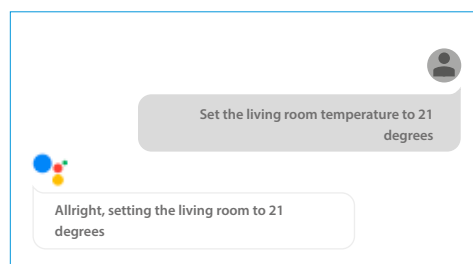
onecta

NEW

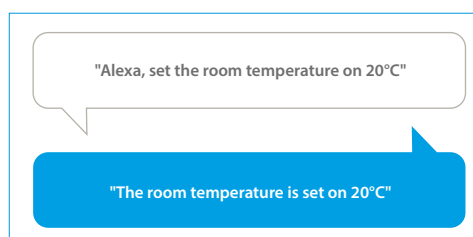
Voice control

To provide users with even more comfort and ease, the Onecta App now offers voice control. This hands-free feature cuts down on clicks to manage units faster than ever before.

Cross-functional and multilingual, voice control pairs well with any smart device, including Google Assistant and Amazon Alexa.



Example of using the voice control via Google Assistant



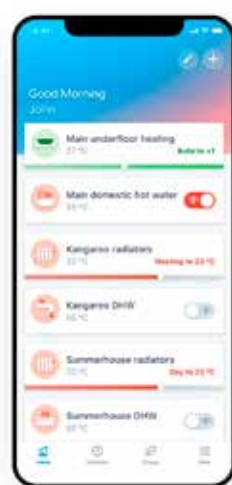
Example of using the voice control via Amazon Alexa



Schedule

Set up a programme outlining when the system should operate, and create up to six actions per day.

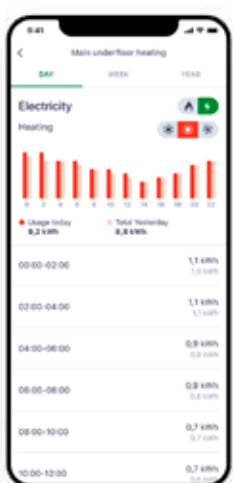
- ☒ Schedule room temperature and operation mode
- ☒ Enable holiday mode to save costs



Control

Customise the system to fit your lifestyle and year-round comfort levels.

- ☒ Change room and domestic hot water temperature
- ☒ Turn on powerful mode to boost hot water production



Monitor

Receive a thorough overview of how the system is performing and how much energy it consumes.

- ☒ Check the status of the heating system
- ☒ Access energy consumption graphs (day, week, month)

Function availability depends on the system type, configuration and operation mode.
The app functionality is only available if both the Daikin system and the app have a reliable internet connection.



Scan the QR code to download the app now



User-friendly wired remote controller with premium design

Madoka. The beauty of simplicity

Madoka



Black
RAL 9005 (matt)
BRC1HHDK



White
RAL9003 (glossy)
BRC1HHDW



Silver
RAL 9006 (metallic)
BRC1HHDS

Madoka combines refinement and simplicity

- › Sleek and elegant design
- › Intuitive touch-button control
- › Three colours to match any interior
- › Compact: measures only 85 x 85 mm

Easy update via Bluetooth

It is strongly recommended to make sure that the user interface is up to date. To update the software or check if updates are available, all you need is a mobile device and the Madoka Assistant app. The app is available on Google Play and in the App Store.



Award-winning design

Madoka received an IF Design Award and Reddot Product Design Award for its innovative design. These awards represent two of the most prestigious and largest design competitions in the world.



reddot award 2018
winner





Stand By Me, a journey to customer satisfaction

It's time to relax. With your customer's new Daikin installation and Stand By Me service program, you can rest assured they are benefiting from the best comfort, energy efficiency, usability and service available on the market. Stand By Me eliminates your clients' worries and provides them with a free, extended warranty, quick follow-up from Daikin service providers, and additional warranties for specific parts.

Get on board on our train to ultimate customer satisfaction

On our underground map you can discover all the tools we offer to Daikin installers to help them from the first point of contact with a new client, to the maintenance and repair after installation.



HSN
PRO

Heating Solutions Navigator

Provide the best fit solution for your customers homes

 Web portal  Professionals



Daikin e-Care

Access to registration, configuration and trouble shooting

 Mobile app  Professionals



Stand By Me

Manage your installation database and offer comfort and service to your customer

 Web portal  Professionals



Onecta App

End-user app to control the residential unit

 Mobile app  Consumer

Discover the new features

We keep investing in the support towards our installers. With your Daikin account, you have access to Stand By Me and the Heating Solutions Navigator online. Use the same account to access the Daikin e-Care app. The tools offer now new features, check it out!



Heating Solutions Navigator

Newest functions:
underfloor heating, Fan Coil
selection tool and ventilation
quotation tool



Onecta App

Newest function:
voice control thanks to Amazon
Alexa or Google Assistant



Stand By Me

Newest function:
20 installer settings for remote
monitoring (SBM Pro)



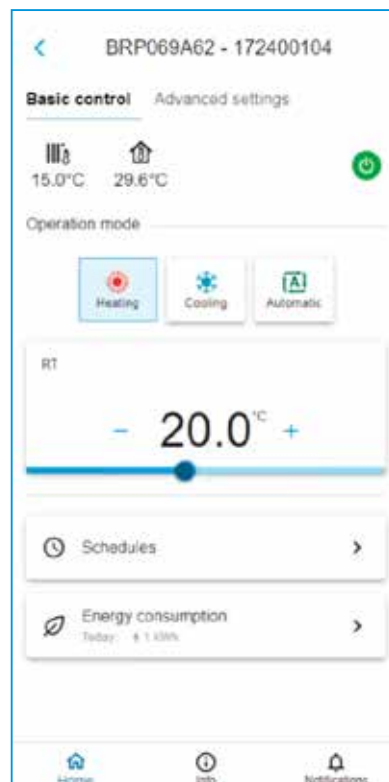
Daikin e-Care

Newest function:
20 installer settings to solve
problems remotely

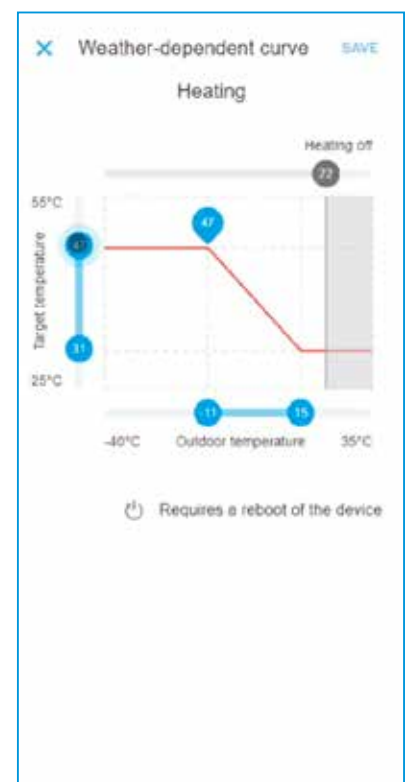
Error notification and 20 installer settings for remote support through SBM Pro and e-care app

From the professional portal, installers can activate the remote monitoring allowing them to supervise your installation on multiple parameters, from their location. They will get an automatic notification in case there is something wrong with the installation. By changing certain settings they can improve your comfort immediately. Save time and get a better support, thanks to these new features.

- ☒ Space heating/cooling
- ☒ Main zone & Additional zone (LWT)
- ☒ Domestic hot water
- ☒ Room (RT)
- ☒ Installer – Error handling



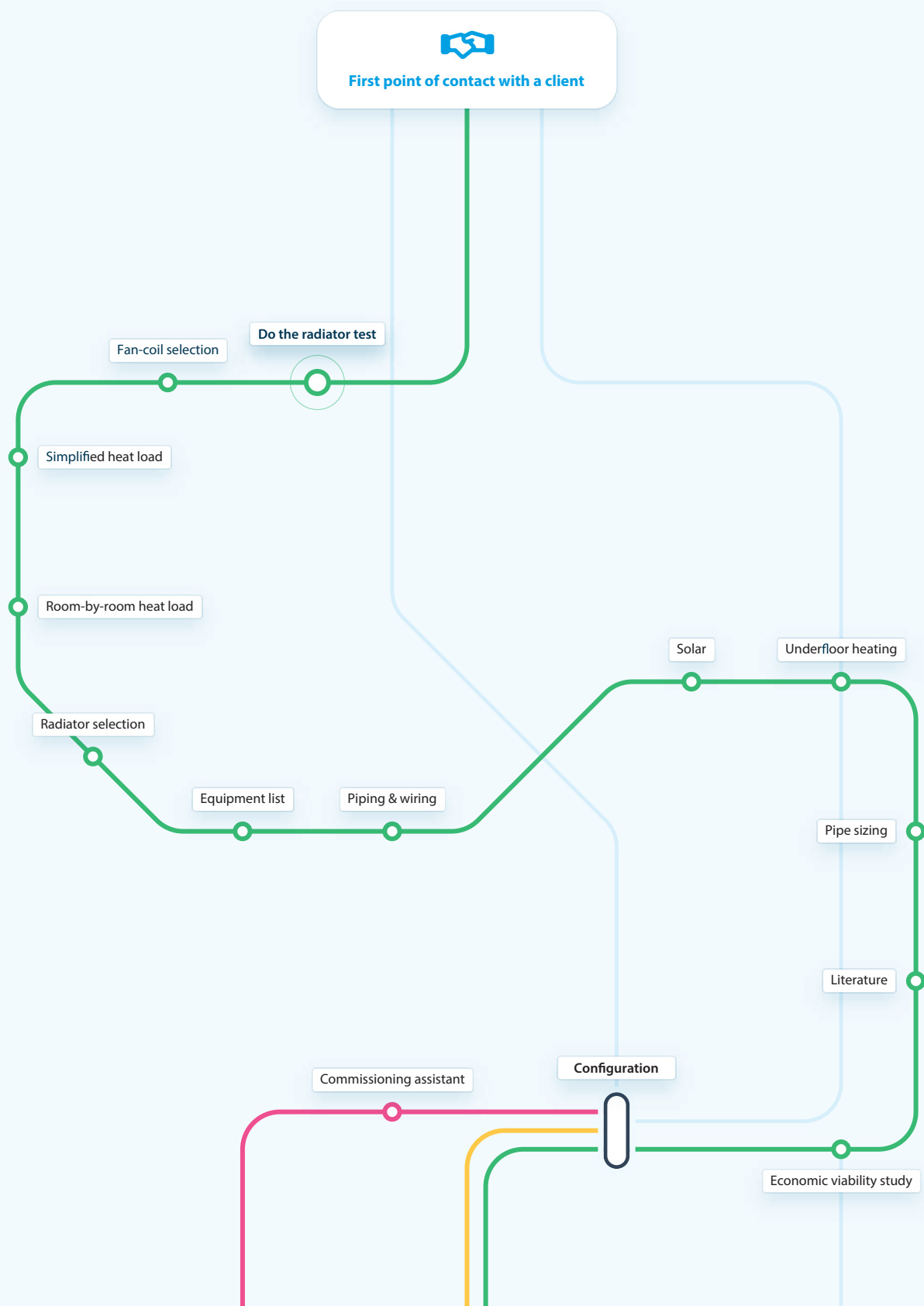
Adjust a room setpoint remotely

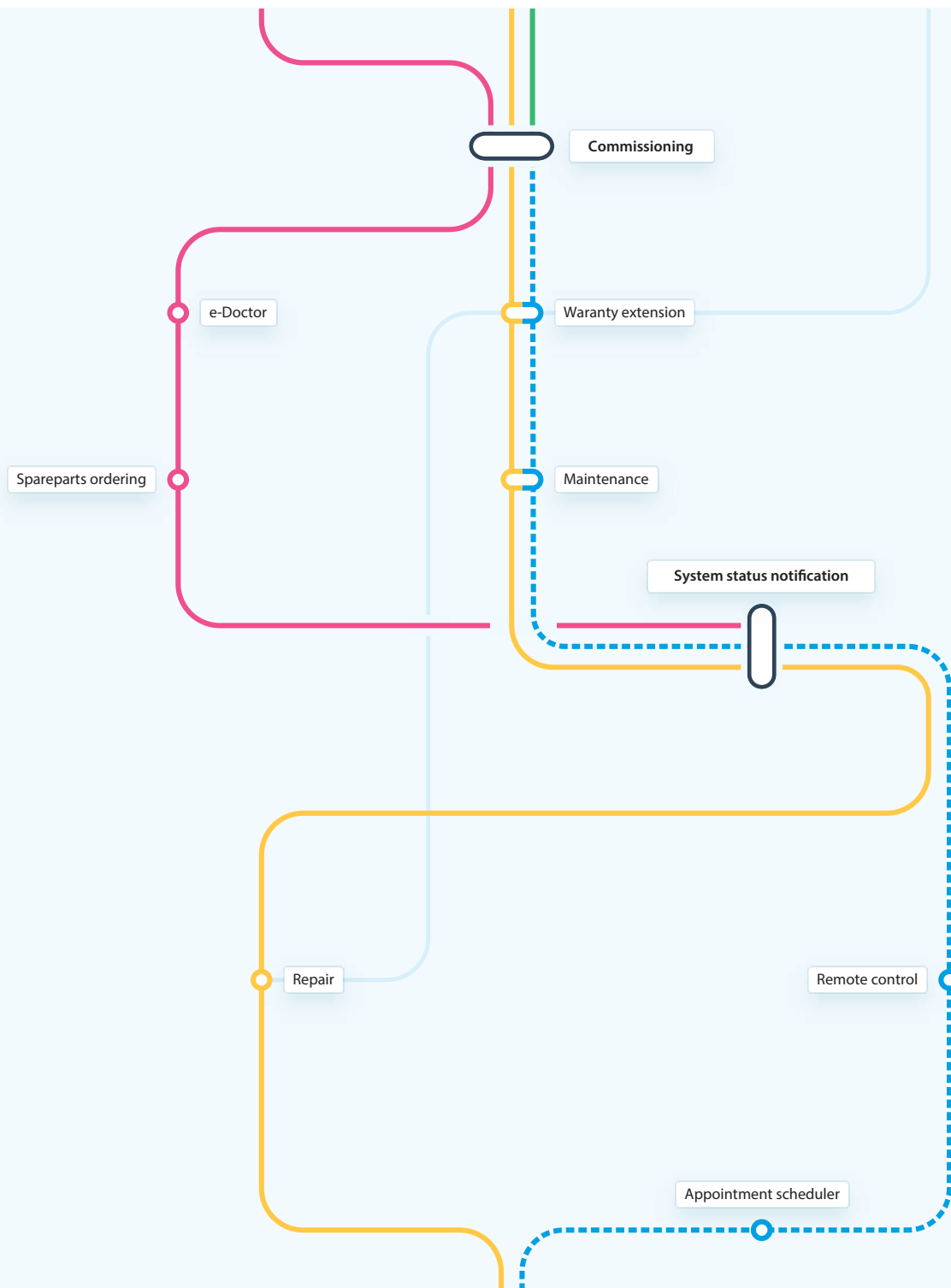


Adjust the weather-dependent curve remotely

All about the Heating Solutions Navigator

The Heating Solutions Navigator is a digital toolbox developed for Daikin professionals with the aim to assist in providing the best fit solution for your customers homes. With this tool you can configure your installation, create custom made piping & wiring diagrams, set the configuration on your installation and much more.





Heating Solutions Navigator

- Do the radiator test
- Fan-coil selection
- Simplified Heat load
- Room by Room heat load
- Commissioning assistant
- Equipment list
- Piping & wiring
- Solar
- Underfloor heating
- Pipe sizing
- Literature
- Economic viability study
- Configuration
- Commissioning

e-Care Mobile App

- Commissioning assistant
- Commissioning
- e-Doctor
- Spareparts ordering
- System status notifications

Stand By Me

- Configuration
- Commissioning
- Warranty extension
- System status notifications

Onecta App

- Warranty extension
- Maintenance
- Remote control
- Appointment scheduler

Combination table and options

Combination table and options			Floor standing			Wall mounted	
			H/O	Rev	Bizone	H/O	Rev
			EAVH16S18DA6V7	EAVX16S18DA6V7	EAVZ16S18DA6V7	EABH16DF6V7	EABX16DF6V7
			EAVH16S18DA9W7	EAVX16S18DA9W7	EAVZ16S23DA6V7	EABH16DF9W7	EABX16DF9W7
			EAVH16S23DA6V7	EAVX16S23DA6V7			
Type	Description	Material name	EAVH16S23DA9W7	EAVX16S23DA9W7			
Outdoor unit	11kW	EPGA11DAV37	●	●	●	●	●
	14kW	EPGA14DAV37	●	●	●	●	●
	16kW	EPGA16DAV37	●	●	●	●	●
Controllers	Madoka wired room thermostat	BRC1HDDAK/S/W	●	●	●	●	●
	Wireless room thermostat	EKRTR1	●	●	●	●	●
	Wired room thermostat	EKRTWA	●	●	●	●	●
	LAN Adapter + PV Solar	BRP069A61	●	●	●	●	●
	LAN Adapter	BRP069A62	●	●	●	●	●
	Universal centralized controller for cascade	EKCC8-W + DCOM-LT/IO,-LT/MB	●	●	●	●	●
Sensors	Remote indoor sensor	KRCS01-1	● (1)	● (1)	● (1)	● (1)	● (1)
	Remote outdoor sensor	EKRSCA1	● (1)	● (1)	● (1)	● (1)	● (1)
	External sensor for EKRTR room thermostat	EKRTETS	● (2)	● (2)	● (2)	● (2)	● (2)
Domestic hot water	DHW tank	EKHW5(U)-D(3)V3				●	●
	Thermal stores	EKHWP500(P)B				●	●
	Third party tank kit	EKHY3PART				●	●
	Third party tank kit	EKHY3PART2				● (3)	● (3)
Heat pump convectors	Floor standing	FWXV15/20/25*	● (4)	● (4)	● (4)	● (4)	● (4)
	Wall mounted	FWXT15/20/25*	● (4)	● (4)	● (4)	● (4)	● (4)
	Concealed	FWXM15/20/25*	● (4)	● (4)	● (4)	● (4)	● (4)
Other options	Bizone kit	BZKA7V3	●	●		●	●
	Digital I/O PCB	EKRP1HBAA	● (5)	● (5)	● (5)	● (5)	● (5)
	Demand PCB	EKRP1AHTA	●	●	●	●	●
	Freeze protection valve	AFVALVE1	●	●	●	●	●
	PC USB cable	EKPCCAB4	●	●	●	●	●

(1) Only 1 sensor can be connected: indoor OR outdoor sensor.
 (2) Can only be used in combination with the wireless room thermostat EKRTR(1).
 (3) EKHY3PART2 can needs to be used if you have a tank in which you can't insert a thermistor
 (4) Multi combination (quantity, depends on capacity class). EKVKHPC needs to be installed mandatory on heat pump convector (exception: LT- H/O).
 (5) Additional relays to allow bivalent control in combination with external room thermostat are field supply.

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