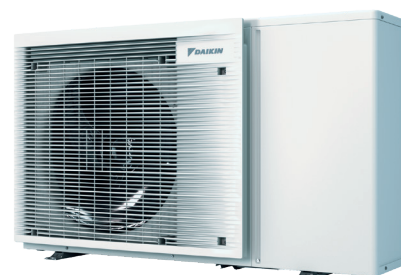
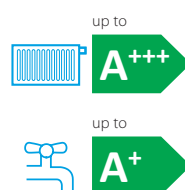


Daikin Altherma 3 Low Capacity Monobloc (4-6-8 class)



Setting the new Monobloc standard



E(B/D)LA04-08EV3

Daikin Altherma 3 Low Capacity Monobloc

4-6-8 class

Functional design

Now available in 4,6 and class , Daikin Altherma 3 Low Capacity Monobloc is Daikin's first third generation monobloc, benefiting from a new design and using R32 refrigerant, which has a low Gobal Warning Potential (GWP).

A redesigned casing

The white front grille of horizontal lines hides the fan from view, reducing the perception of the sound produced by the unit.

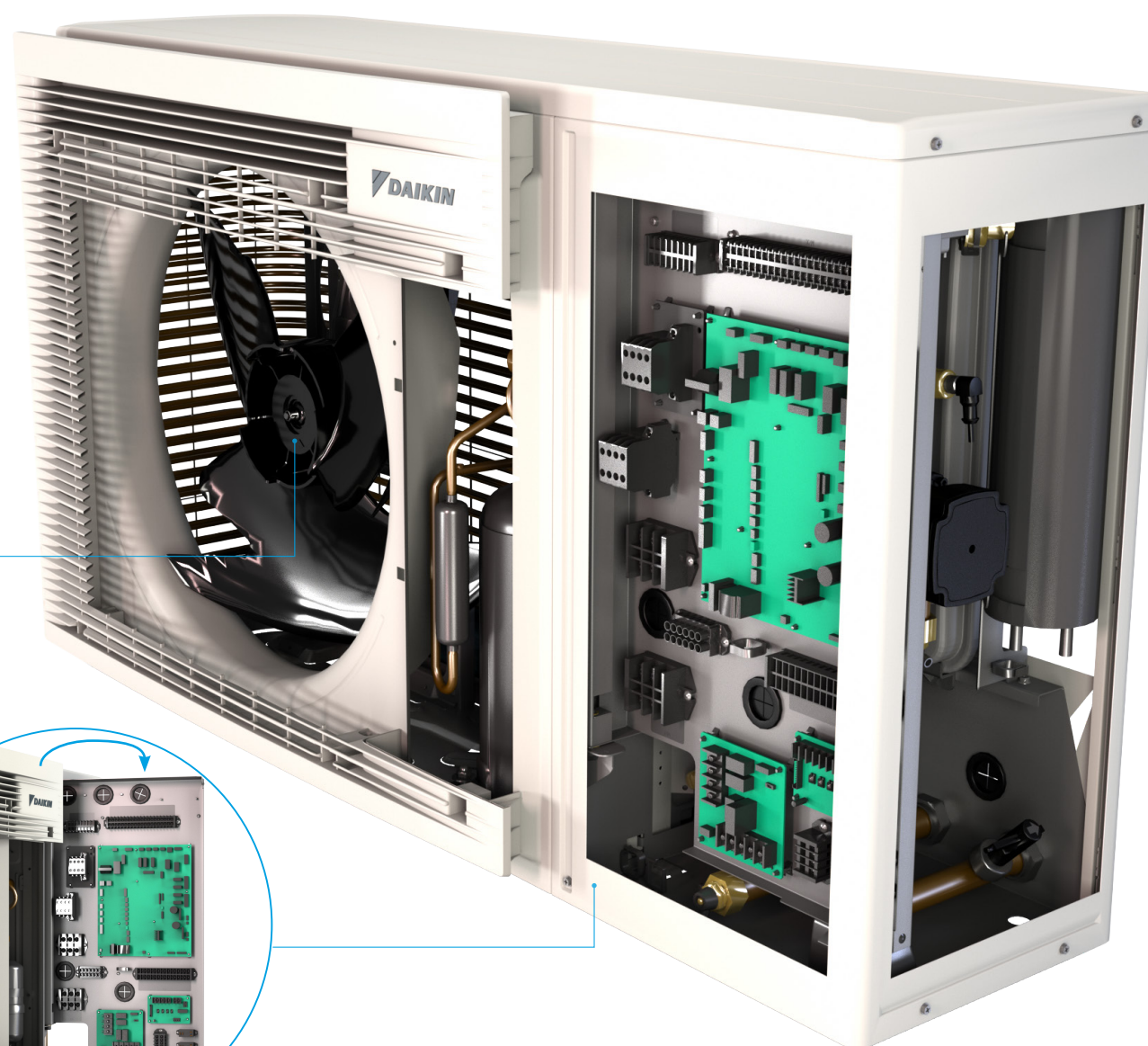
The light grey, seamless casing reflects the environment in which the unit is installed, helping it to blend in with its surroundings.

A renewed fan shape

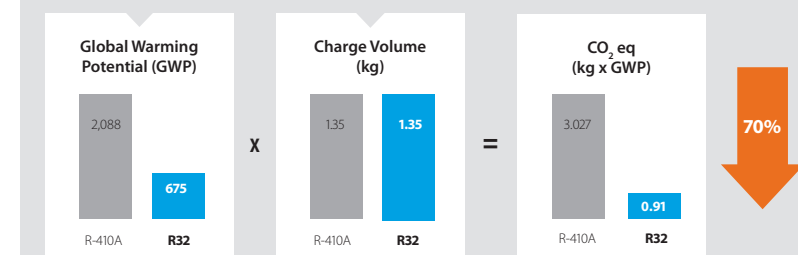
The shape of the fan has been reviewed to reduce the contact surface with air and improve air circulation.

Easy installation and commissioning

- › The rotary switchbox is a brand-new feature in this monobloc heat pump.
- › It helps installers access the hydraulic and refrigerant components in an easy way.
- › Commissioning and servicing can be then performed with ease.



Reduced environmental impact: 70% less CO₂ equivalent
› GWP: R-410A: 2,088 > R32: 675



R32 monobloc **R-32 BLUEvolution**

Daikin is a pioneer in developing heat pumps equipped with R32. With a lower GWP, R32 is equivalent in power to standard refrigerants, but achieves higher energy efficiency and lower CO₂ emissions. Easy to recover and reuse, R32 is the perfect solution for attaining CO₂ emission reduction targets.

A simple solution to space limitation

Thanks to the monobloc set-up, no indoor unit is required which helps when space is limited inside. The monobloc can even fit under a window.

All the hydraulic components are integrated in one unit, including the sealed refrigerant circuit, so there's no need for refrigerant handling or F-gas qualifications.

Fully connected control

The Daikin Altherma 3 Low Capacity Monobloc is equipped with the most intuitive control solutions.



Cloud ready with
WLAN

Onecta app, with voice control

- › Control the heating system from home or remote via smartphone
- › Control the heating system with voice commands
- › Include integrations with Google Assistant and Amazon Alexa
- › Functions include: scheduling, holiday and boost modes, controlling multiple units and monitoring energy consumption



reddot award 2018
winner

if DESIGN
AWARD
2018

Madoka: a user-friendly wired room thermostat

- › Sleek and elegant design
- › Intuitive touch button control
- › Three colours to match any interior (white, black and silver-grey)
- › Compact unit measuring only 85 x 85 mm

Domestic hot water production

The Monobloc combines with stainless steel tanks (EKHWS-D), Daikin R32 Pre Plumbed Cylinder (UK.PPC/R32), thermal stores and panels (EKHWP) to provide domestic hot water quickly.



✓ **Man Machine Interface (MMI) or User Interface** **NEW**

Inspired by the award-winning design of the Daikin Altherma 3 indoor units, Daikin also upgraded this controller to deliver an even more user-friendly interface.

Quick configuration

After logging in, you'll be able to configure the unit with the new controller in less than 10 steps. You can even check if the unit is ready to use by running test cycles.

Easy operation

The new interface features a few buttons and two navigational knobs to help you quickly set the room temperature and control units.

User-friendly design

The interface features an intuitive design. The high contrasted colour screen delivers stunning and practical visuals for both installers and service engineers.

WLAN cartridge connection

Small dimensions for a discreet unit:

136 x 160 x 37 mm (HxWxD)

Consistently compact

Daikin Altherma 3 Low Capacity Monobloc is the most compact heat pump solution, as it consists of only one outdoor unit, so it's ideal for homes with limited space.

✔ **Strengthened performances**

The Daikin Altherma 3 Low Capacity Monobloc shows improved performances as well as a wide product range



- › Space heating up to
- › Domestic hot water up to
- › Operating down to -25°C
- › Delivers LWT 55°C at -15°C without back-up heater

✔ **Extended product range**

- › Heating only models (EDLA*)
- › Reversible models providing cooling (EBLA*)
- › One-phase models only
- › Back-up heater less models (EB/DLA-EV3)
- › Available in 4, 6 and 8 class
- › Completing the existing range of 9, 11, 14 and 16 class

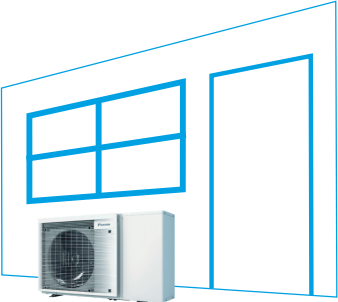
✔ **Flexibility in domestic hot water production**

- Combines with:
- › Stainless steel domestic hot water tank (EKHWS(U)-D)
 - › Thermal store EKHWP-(P)B to provide domestic hot water with support from the sun
 - › Daikin R32 Pre Plumbed Cylinder range UK.PPC/R32

✔ **Perfect match with any heat emitters**

- Combines with:
- › Underfloor heating applications
 - › Heat pump convectors such as Daikin
 - › Altherma HPCs

✔ **Fits under a window**



Combination table and options

Combination table and options			R32 small monobloc	
			Without back-up heater	
			Rev	H/O
			EBLA04EV3	EDLA04EV3
			EBLA06EV3	EDLA06EV3
			EBLA08EV3	EDLA08EV3
Type	Description	Material name		
Controls	Madoka wired room thermostat	BRC1HHDK/S/W	●	●
	Wireless room thermostat	EKRTRB	●	●
	Wired gital thermostat	EKRTWA	●	●
	Universal centralized controller for cascade	EKCC8-W DCOM-LT/IO ₂ -LT/MB	●	●
	WLAN cartridge	BRP069A78	●	●
Multi-zoning controls	Digital wired room thermostat	EKWCTRD1I1V3	●	●
	Analog wired room thermostat	EKWCTRAN1V3	●	●
	Actuator	EKWCVATR1V3	●	●
	Multi-zoning base station (10 channels)	EKWUFHTA1V3	●	●
Sensors	EKWCVATR1V3	KRCS01-1	● (1)	● (1)
	Multi-zoning base station (10 channels)	EKRSCA1	● (1)	● (1)
	EKWUFHTA1V3	EKRTE5B	● (2)	● (2)
	Temperature sensor for EKHWS-D (25m length)	EKTESE1	●	●
	Temperature sensor for EKHWP-(P)B (25m length)	EKTESE2	●	●
Domestic hot water	DHW tank	EKHWS(U)-D(3)V3	●	●
	Thermal stores	EKHWP500(P)B	●	●
Heat pump convector	Floor standing	FWXV15/20/25*	● (3)	● (3)
	Wall mounted	FWXT15/20/25*	● (3)	● (3)
	Concealed	FWXM15/20/25*	● (3)	● (3)
Other options	Back-up heater kit	EKLBUHCB6W	● (4)	●
	By-pass kit	EKMBHBP	● (4)	
	Bizone kit	EKMIKPOA	●	●
		EKMIKPHA	●	●
	Digital I/O PCB	EKRPIHBAA	● (5)	● (5)
	Demand PCB	EKRPIAHTA	●	●
	Freeze protection valve	AFVALVE1	●	●
	PC USB cable	EKPCCAB4	●	●
	Smart grid relay kit (high voltage)	EKRELSG	●	●
	Flow switch	EKEFLSW2	● (6)	● (6)

(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) Multi combination (quantity, depends on capacity class). EKVHPC needs to be installed mandatory on heat pump convector (exception: LT- H/O).
(4) Check 'EKMBHBP necessity drawing' to decide to install it in combinztion with reversible models, in order to avoid sweat on the back-up heater.
(5) Additional relays to allow bivalent control in combination with external room thermostat are field supply.
(6) Mandatory if glycol is used.

Daikin Altherma 3 M

This high performance air-to-water Monobloc system is available in **heating only (EDLA)** and **reversible heating and cooling, (EBLA)** models - both are ideal for homes with limited indoor space.

- › WLAN cartridge connection standard included
- › Possible to combine with domestic hot water tanks
- › Heating only air-to-water heat pump
- › Monobloc all-in-one concept including all hydraulic parts
- › Optional plug & play integrated 3 kW electric back-up heater
- › Available in one phase



Outdoor Unit			Single Phase			Single Phase		
			EDLA04EV3	EDLA06EV3	EDLA08EV3	EBLA04EV3	EBLA06EV3	EBLA08EV3
Description			Class 4	Class 6	Class 8	Class 4	Class 6	Class 8
Function			Heating Only	Heating Only	Heating Only	Reversible	Reversible	Reversible
Dimensions ^[1]	Height x Width x Depth	mm	770 x 1250 x 362	770 x 1250 x 362	770 x 1250 x 362	770 x 1250 x 362	770 x 1250 x 362	770 x 1250 x 362
Weight	Unit	kg	88	88	88	88	88	88
Nominal capacity	Heating (1/2)	kW	4.30/4.60	6.00/5.90	7.50/7.80	-	-	-
	Cooling (1/2)	kW	-	-	-	4.86/4.52	5.83/5.09	6.18/5.44
Nominal input	Heating/Cooling (1/2)	kW	4.30/4.60	6.00/5.90	7.50/7.80	-	-	-
	COP		5.10/3.65	4.85/3.50	4.60/3.50	-	-	-
EER	Cooling 91/2)		5.10/3.65	4.85/3.50	4.60/3.50	5.91/3.32	5.40/3.28	5.19/3.14
Seasonal space heating efficiency	Space heating (Average climate) 35°C	Class	A+++	A+++	A+++	A+++	A+++	A+++
		Efficiency	176	176	179	176	176	179
		SCOP	4.48	4.47	4.56	4.48	4.47	4.56
	Space heating (Average climate) 55°C	Class	A++	A++	A++	A++	A++	A++
		Efficiency	127	127	130	127	127	130
		SCOP	3.26	3.26	3.32	3.26	3.26	3.32
Operation range	Heating	°C	-25 ~ 35	-25 ~ 35	-25 ~ 35	-	-	-
	Cooling	°C	-	-	-	10 ~ 43	10 ~ 43	10 ~ 43
	Hot water	°C	-25 ~ 35	-25 ~ 35	-25 ~ 35	-25 ~ 35	-25 ~ 35	-25 ~ 35
Sound power level	Heating	dBA	58	60	62	61	62	62
Sound pressure level 4	Heating/Cooling	dBA	44	47	49	48	49	50
Refrigerant charge (factory)	R32	kg	1.35	1.35	1.35	1.35	1.35	1.35
Power supply			1-phase / 230V / 50Hz	1-phase / 230V / 50Hz	1-phase / 230V / 50Hz	1-phase / 230V / 50Hz	1-phase / 230V / 50Hz	1-phase / 230V / 50Hz
Recommended fuses	Outdoor unit	A	20	20	25	20	20	25
Pump	No. of speeds		Inverter controller	Inverter controller	Inverter controller	Inverter controller	Inverter controller	Inverter controller
Expansion vessel volume		litres	7	7	7	7	7	7
Water connections (diameter)		inch	1" (male)	1" (male)	1" (male)	1" (male)	1" (male)	1" (male)
Minimum water volume		litres	20	20	20	20	20	20
Minimum flow rate	Cooling	l/min	-	-	-	10	10	10
	Heating (Incl. defrost)	l/min	12	12	12	12	12	12
	Hot water	l/min	25	25	25	25	25	25
Maximum piping distance to tank		m	10	10	10	10	10	10
Maximum level difference		m	5	5	5	5	5	5
SAP ID								

Heating a: Ambient air temperature -2C and leaving water temperature 45C (A-2/W45)
[1] Excludes aesthetic grill

Nominal capacity and nominal input tested according to EN 14511 at the following conditions:
Heating 1: Ambient air temperature 7°C and leaving water temperature 35°C (A7 W35) Heating 2: Ambient air temperature 7°C and leaving water temperature 45°C (A7 W45)
Cooling 1: Ambient air temperature 35°C and leaving water temperature 18°C (A35 W18) Cooling 2: Ambient air temperature 35°C and leaving water temperature 7°C (A35 W7)
[3] Includes aesthetic grill [4] Sound pressure level measured at 1m from the unit

Back-up heater kit (optional):

			EKLBUHCB6W1
Description			Back up heater kit (3kW)
Nominal rating			3
Dimensions	Depth	mm	210
	Width	mm	250
	Height	mm	560
Power supply			1-phase / 230V / 50Hz
Recommended fuse	3 kW 1ph 230V	Amps	13
Water connections	Diameter	Inch	1" (male)

Accessories:

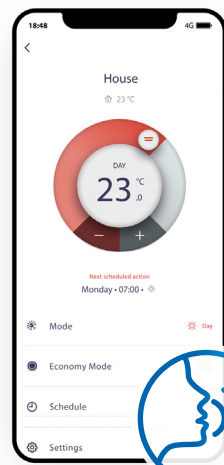
Accessory Ref	Description
BRC1HHDW	Madoka Heating - White
BRC1HHDS	Madoka Heating - Silver
BRC1HHDK	Madoka Heating - Black
BRP069A78	Daikin ONECTA App – Wi-fi module [SD Card]
EKRELSG	Smart grid relay kit (high voltage)
EKPCCAB4	PC cable – to upload field settings from PC to unit
AFVALVE1	Anti-freeze valve for glycol free systems (two required per heat pump)
EKFLSW2	Optional flow switch (See note)
EKRSC1	Optional remote temperature sensor for outdoor unit (See note)
KRCS01-1	Optional remote temperature sensor for indoor unit (See note)
EKRP1HBA	Optional PCB kit for remote alarm monitoring, fault indication, solar interlock and bivalent operation
EKRP1AHT	Optional PCB kit for demand control, power consumption control and power limitation
UK.FF600H150	Two flexi feet, height 150mm, to mount the outdoor unit
K.CWBXL	Wall brackets for outdoor units (250kg, 660mm long, 2 arms)
K.CWBXLS5	Wall brackets for outdoor units (250kg, 660mm long, 2 arms) - Stainless Steel
UK.DT5	Condensate drip tray (1400 x 400 x 50mm)
UK.DTFB3	Floor bracket kit to mount drip tray for 3 flexi feet or wall bracket
K.HOSE750	Pair of flexible hoses
K.HOSE750EL	Pair of flexible hoses with elbow
K.FERNOXTF1	Fernox magnetic filter 1"
K.FERNOXTF1FL	Fernox magnetic filter 1" and F1 inhibitor fluid (500ml)
EKEPRHLT5H	Thermal store (500l) connection kit – For heating only models (for R32 H HT, H-Split, Ref Split and Monobloc)
EKEPRHLT5X	Thermal store (500l) connecting kit – For reversible models (for R32 H HT, H-Split, Ref Split and Monobloc)
EKEPRHLT3HX	Thermal store (300l) connection kit – For heating only and reversible models (for R32 H HT, H-Split, Ref Split and Monobloc)
EKUMBPART	3rd party tank connection kit - Dry pocket sensor
K.ELECMETV	Electric meter for domestic RHI - Single-phase (Metering for performance compliant) MID Class A electric meter to measure the electricity consumption of the Daikin Altherma heat pump
K.ELECMETW	Electric meter for domestic RHI - Three-phase (Metering for performance compliant) MID Class A electric meter to measure the electricity consumption of the Daikin Altherma heat pump
EKCC8-W	Sequence Controller
DCOM-LT/IO	Daikin Altherma I/O (Sequence Controller/Voltage/Resistance/Smart Grid) Gateway
DCOM-LT/MB	Daikin Altherma Modbus Gateway
EKTESE1	sensor+25m cable EKHWSU
EKTESE2	sensor+25m cable EKHWSU
EKMIKPOA	Mixing kit - PCB only
EKMIKPHA	Mixing kit - PCB with Hydraulic
EKMIKHMA	Hydraulics - Mixed Pump Ground
EKMIKHUA	Hydraulics - Unmixed Pump Ground
EKMIKBVA	Balancing Vessel
EKMIKDIA	Distributor for Balancing Vessel
EKMBHBP	R32 Monobloc valve for BUH option used with EBLA models

Notes:

- i) User interface (MMI) is supplied with outdoor unit
- ii) EKFLSW2 must be ordered if glycol is present within the system
- iii) Only one optional remote sensor can be installed
- iv) For compatible cylinders, see pages 12-15



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

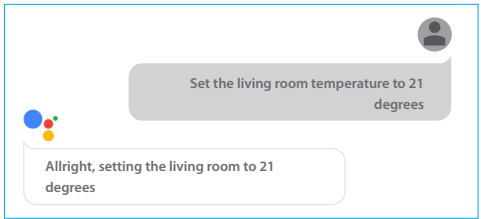


NEW onecta

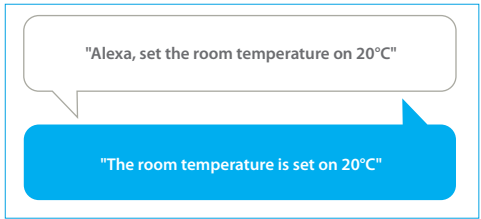
Voice control

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.

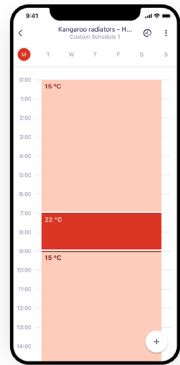
Cross-functional and multilingual, voice control pairs well with any smart device, including Google Assistant and Amazon Alexa.



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.

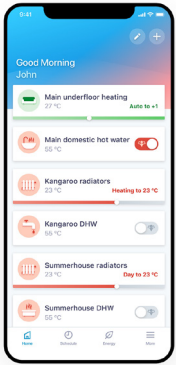
- ✓ Schedule room temperature and operation mode
- ✓ Enable holiday mode to save costs



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)



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

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



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

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.

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.



GET IT ON
Google Play



Available on the
App Store



reddot award 2018
winner



DESIGN
AWARD
2018

NEW

Man-machine interface

Inspired by the design awarded Daikin Altherma third generation interface of indoor units, this new controller offers many benefits:



The Daikin Eye

The intuitive Daikin eye shows you in real time the status of the 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 via the new interface in less than 10 steps. You can even check if the unit is ready for use by running test cycles!

Easy operation

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

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.

WLAN cartridge connection

Discreet thanks to small dimensions

H x W x D 136 x 160 x 37 mm



Stand By Me

A complete customer after-care solution.

With your customer's new Daikin installation and Stand By Me warranty and maintenance options, you can rest assured they are benefiting from the best comfort, energy efficiency, usability and service available on the market. Stand By Me provides an easy way to hand over the system to your customer. Simply complete the commissioning details on standbyme.daikin.co.uk, add your customer's email address and they will receive a code so they can create an account on Stand By Me and select their warranty and maintenance options.

- ✓ **Installation database**

Stand By Me provides a live dashboard of your project leads and, once the system is commissioned, your existing installations. So you can review and manage which products were installed, where and when.
- ✓ **Easy commissioning**

Hand over couldn't be simpler either. Simply complete the commissioning details, add your customer's email address and they will receive a code so they can create an account on **Stand By Me** and select their warranty and maintenance options.
- ✓ **End user warranty registration**

Warranty registration (previously on KEY) is now all done on **Stand By Me**. Once you've commissioned the system and emailed the code to your customer, your database will show you if the end-user has completed the warranty registration and the length of time remaining on their warranty*.
- ✓ **Annual maintenance records**

Stand By Me provides an easy way to review the annual maintenance schedules for each site and track any repairs carried out.
- ✓ **RHI remote monitoring**

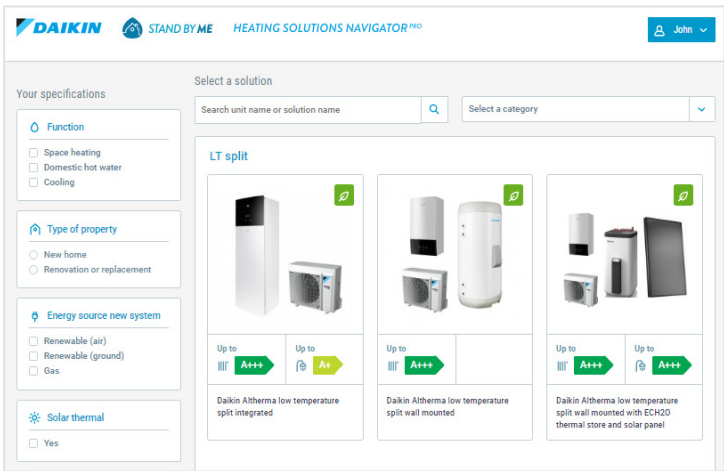
Stand By Me means that social housing providers no longer need physical access to properties in order to read meters for RHI reports. Remote monitoring of meters on **Stand By Me** provides a daily summary of the energy produced, consumed and the system efficiency, which can be submitted to Ofgem for RHI reporting. The Daikin remote metering cloud has been designed specifically for Daikin Altherma Hybrid systems and connects with your installed meters to provide all the information needed for quarterly RHI reporting.

Heating Solutions Navigator

The Heating Solutions Navigator is a versatile toolkit on Stand By Me, which brings together all the tools required to complete the design and selection of a system and allows you to showcase Daikin heating solutions to your customers.

The Heating Solutions Navigator helps you to:

- › Quickly see the wide array of Daikin Heating Solutions available
- › Check all the options specifically for your installation
- › Link easily to the installation specific literature
- › Estimate the required heat load – from a simple snapshot to a detailed room-by-room calculation
- › Create custom made piping and wiring diagrams
- › Use the flue gas selection tool for gas based solutions
- › Set the configuration of your installation
- › Compare economic and environmental benefits of the Daikin system versus a conventional heating installation
- › Store all your leads on your Stand By Me account
- › Track projects from lead, installation and commissioning to inviting your customers to select after-sales services
- › To request a quotation for DUCO Residential Ventilation System





daikin.co.uk

National Heating Installer Hub: 01932 879070

Heating Services Contact Centre: 01932 879271

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FSC