DAIKIN

altherma

Daikin Altherma 3 Low Capacity Monobloc

(4-6-8 class)

Setting the new Monobloc standard

SMART PHONE APP CONTROL

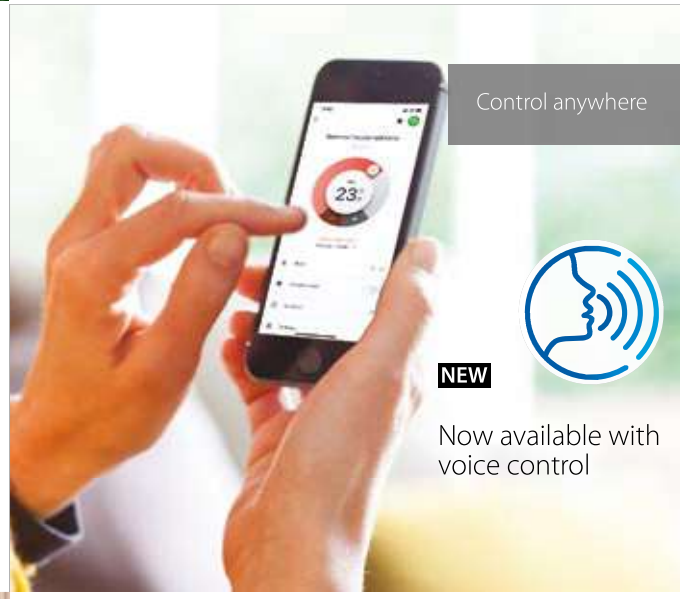
DAIKIN

up to A+++

up to A+

E(B/D)LA04-08EV3

E(B-D)LA04-08EV3


Control anywhere
NEW
Now available with
voice control

E(B-D)LA04-08EV3

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Daikin Altherma 3 Low Capacity Monobloc

4-6-8 class

Functional design

Now available in 4, 6 and 8 class Daikin Altherma 3 Low Capacity Monobloc is Daikin's first third generation monobloc, benefitting from a new design and using R32 refrigerant, which has a low Global Warming Potential (GWP).

A redesigned casing

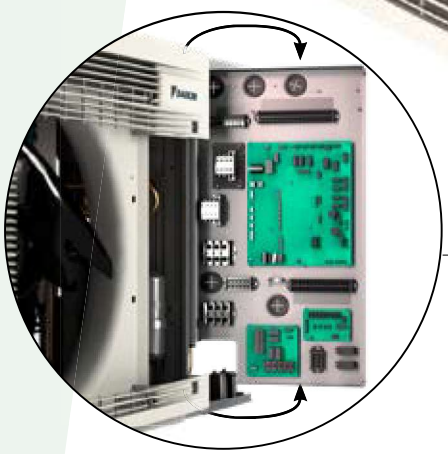
The white front grille with horizontal lines hides the fan from view, reducing the perception of the sound produced by the unit.

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

A renewed fan shape

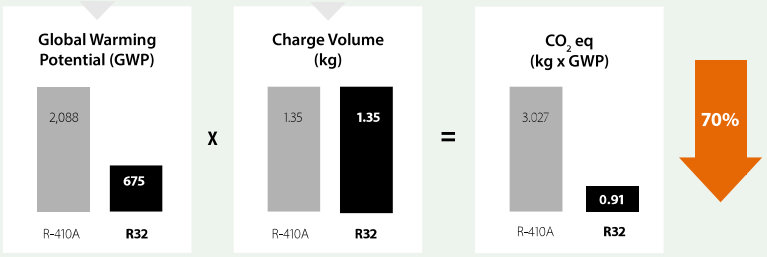
The shape of the fan has been reviewed to reduce the contact surface with air and improve air circulation.

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 CO_2 equivalent
› GWP: R-410A: 2,088 > R32: 675



R32 monobloc

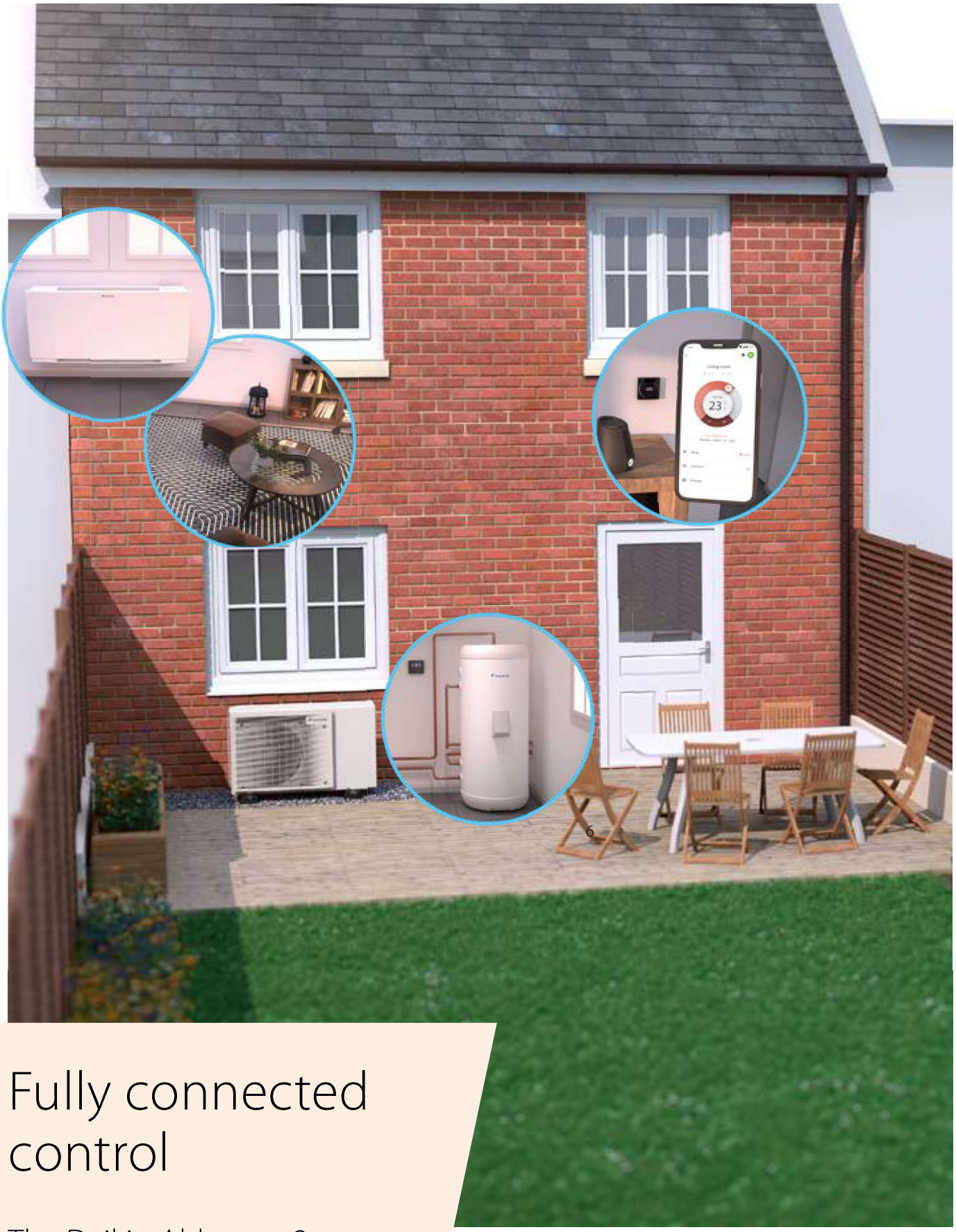
R-32

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 CO_2 emissions. Easy to recover and reuse, R32 is the perfect solution for attaining CO_2 emission reduction targets.

A simple solution to space limitation

Thanks to the monobloc set-up, besides a DHW tanks no indoor unit is required which helps when space is limited inside. The monobloc can 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.

Heating and cooling emitters

Daikin Altherma 3 Low Capacity Monobloc works perfectly with various emitters, including fan coils, radiators, underfloor heating and heat pump convectors.

Cloud ready with WLAN

reddot award 2018
winner

DESIGN AWARD 2018

Onecta app, with voice control

- Add value by setting up Onecta for your customer - quick to connect using your own installer account.
- Let customers control their heating from home or remotely via smartphone.
- Enable voice control for easy, hands-free operation.
- Works with Google Assistant and Amazon Alexa.
- Complements the MMI/Madoka controller – access both in one app.
- Includes scheduling, holiday and boost modes, multiple unit control and energy monitoring.

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/R32SS , thermal stores and panels (EKHWP) to provide domestic hot water quickly.

☑ Man Machine Interface (MMI) or User Interface

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
Install the BRP069A78 WLAN adaptor in the MMI will make the heat pump wi-fi enabled. You can then connect the heat pump to ONECTA for smart phone control.

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

☑ 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

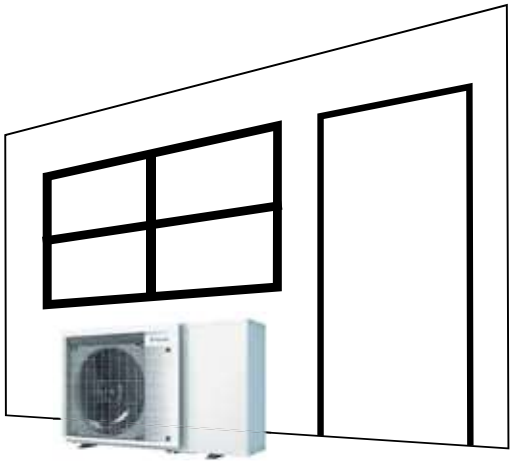
☑ Extended product range

› 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

☑ Perfect match with any heat emitters

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

☑ Fits under a window



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 adaptor included in box, requires inserting into MMI
- 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			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 [3]	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		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	0.840/1.26	1.24/1.69	1.63/2.23	0.820/1.36	1.08/1.55	1.19/1.73
COP	Heating [1/2]		5.10/3.65	4.85/3.50	4.60/3.50	-	-	-
EER	Cooling [1/2]		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/Cooling	dBA	58	60	62	61	62	62
Sound pressure level [4]	Heating/Cooling	dBA	44	47	49	48	49	50
Refrigerant charge (factory)	R-32	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	Max Running Current	A	19.90	19.90	24.00	19.90	19.90	24.00
	Recommended Fuse	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 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		58°C / 55°C / 45°C / 35°C	107684 / 107681 / 107682 / 107683	107700 / 107697 / 107698 / 107699	107716 / 107713 / 107714 / 107715	107692 / 107689 / 107690 / 107691	107708 / 107705 / 107706 / 107707	107724 / 107721 / 107722 / 107723

BACK UP HEATER KIT (OPTIONAL)			
			EKLBUHCB6W1
Description			**Back up heater kit (3kW)** [vii]
Nominal rating		kW	3
Dimensions	Depth	mm	210
	Width	mm	250
	Height	mm	560
Power supply			1-phase / 230V / 50Hz
Recommended fuse	3kW 1ph 230V [vii]	Amps	16
Water connections	Diameter	inch	1" (male)

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 page 31
v) **Recommended to achieve minimum outdoor unit and antifreeze valve ground clearance of 150mm
vi) SD Card BRP069A78 is supplied as standard. This option will only be required in case of bad connectivity in location of the user interface
vii) Back up heater kit EKLBUHCB6W1 can also be configured for 3kW or 6kW, 1ph or 3ph. See monobloc installation manual for more details

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 grille [4] Sound pressure level measured at 1m from the unit

Daikin Altherma R32 Monobloc Wiring Centre (optional):

DAIKIN ALTHERMA R-32 MONOBLOC WIRING CENTRE (OPTIONAL)			
			UK.MONOR32/WC
Description			**Wiring centre**
To use with			EDLA09~16D
Fuse (DHW Booster Heater)	Amps		16
Dimensions (Wiring Centre)	Depth	mm	107
	Width	mm	241
	Height	mm	194
Dimensions (PCB for Outdoor)	Depth	mm	60
	Width	mm	120
	Height	mm	120

Note:
i. Wiring centre also compatible with the low capacity monobloc range (EB/DLA04~08EV3)
ii. Wiring centre not compatible with Pre-Plumbed Cylinder

Accessories:

Accessory Ref	Description
UK.MONOR32/WC	Daikin Altherma R-32 Monobloc Wiring Centre
BRC1HHDW	Madoka Heating - White
BRC1HHDS	Madoka Heating - Silver
BRC1HHDK	Madoka Heating - Black
BRP069A78	Daikin ONECTA App WLAN SD Card (See note)
BRP069A71	Daikin ONECTA App (See note)
EKRELSG	Smart grid relay kit (high voltage)
EKPCCAB4	PC cable – to upload field settings from PC to unit
UK.AFVALVE2/JKT	Anti-freeze valve pack with compression fittings & jackets (pack contains 2 valves)
AFVALVE1	Anti-freeze valve for glycol free systems (two required per heat pump)
EKFLSW1	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.FF600S1503	Three flexi-feet, height 150mm, to mount the outdoor unit
UK.CWBXXL3A-B	Wall bracket for outdoor unit (250kg, 780mm long, 3 arms, black)
UK.DT4	Condensate drip tray (1420 x 500 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
UK.HOSE300EL	Pair of flexible hoses with elbow (Length 300mm, 19mm tough PVC coat insulation, 1" FBSP, 28mm compression)
UK.CG-750S-INV	Outdoor Unit Guard for EB/DLA-E (4-6-8) Monobloc
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 R-32 H HT, H-Split, Ref Split and Monobloc)
EKEPRHLT5X	Thermal store (500l) connecting kit – For reversible models (for R-32 H HT, H-Split, Ref Split and Monobloc)
EKEPRHLT3HX	Thermal store (300l) connection kit – For heating only and reversible models (for R-32 H HT, H-Split, Ref Split and Monobloc)
EKUMBPART	Third 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

Thermal stores and tanks

Hot water heating installation options

Energy-efficient hot water storage

Our high performance cylinders and thermal stores are designed to meet the demand for the domestic hot water across a range of applications. With low heat losses and large coil areas, Daikin hot water cylinders are manufactured in consideration of all the requirements which come with our modern lifestyles.

With so many different designs and shapes to choose from, our customers can have complete peace of mind knowing they can select a cylinder that will meet all their project specifications.

All our cylinders are WRAS approved, with most of them having ErP ratings of B. When choosing our cylinders, you can rest assured that these products provide high efficiency with minimum heat loss and therefore help to protect the environment.

All our indirectly heated unvented cylinders and thermal stores come with a promise to deliver a high quality, reliable performance..

☑ Pre-plumbed R32 cylinder

The perfect partner to a Daikin Altherma Monobloc

- Available in 150, 180, 210, 250 and 300 litres in stainless steel UK/PPC/R32SS and slimline version in 150 and 180 litres.
- Compatible with heating only models

Efficiency

- High-quality insulation keeps heat loss to a minimum
- With on-board pump and 20 litre buffer vessel, these pre-plumbed cylinders can also be used as a hydraulic separation between the primary and secondary circuits.
- Plug & play installation, all key hydraulics included to ensure a fast and easy installation

Reliability

- Built-in 50 litre buffer vessel (25L slimline), which can also be used as hydraulic separation and pre-fitted pump and magnetic filter to ensure the best performance from the Daikin Altherma Monobloc

Domestic hot water tank

Stainless steel domestic hot water tank

› 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

Thermal store range

Thermal store: additional hot water comfort

Combine your heat pump 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 both 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

Pre-Plumbed R32 Cylinder

Domestic hot water cylinder			UK.PPC150/R32SS	UK.PPC180/R32SS	UK.PPC210/R32SS	UK.PPC250/R32SS	UK.PPC300/R32SS
Description			**150l pre-plumbed cylinder**	**180l pre-plumbed cylinder**	**210l pre-plumbed cylinder**	**250l pre-plumbed cylinder**	**300l pre-plumbed cylinder**
Suitable for			Daikin Altherma R-32 Monobloc Heating only				
Energy efficiency class			B	B	C	C	C
Standing heat loss (ErP)		W	54	58	63	88	96
Standing heat loss		kWh/24h	1.29	1.39	1.50	2.10	2.29
Storage volume		litres	148	179	209	248	301
Buffer vessel volume		litres	50	50	50	50	50
Max water temperature		°C	90	90	90	90	90
Pump	Quantity		1	1	1	1	1
	Nr of Speeds		PWM	PWM	PWM	PWM	PWM
	Nominal ESP	kPa	80	80	80	80	80
	Power Input	W	52	52	52	52	52
Primary immersion heater capacity		kW	3	3	3	3	3
Primary immersion heater power supply			1-phase / 230V / 50Hz	1-phase / 230V / 50Hz	1-phase / 230V / 50Hz	1-phase / 230V / 50Hz	1-phase / 230V / 50Hz
Primary immersion heater recommended fuses		A	16	16	16	16	16
Height		mm	1420	1545	1735	2020	2020
Diameter		mm	550	550	550	550	600
Empty weight		kg	48	58	61	73	88
Material inside cylinder			Stainless steel 2304				
Piping connections (diameter)	Water inlet H/E	mm	28	28	28	28	28
	Water outlet H/E	mm	28	28	28	28	28
	Cold water in	mm	22	22	22	22	22
	Hot water out	mm	22	22	22	22	22
	Space heating flow	mm	28	28	28	28	28
	Space heating return	mm	28	28	28	28	28

Domestic hot water cylinder			UK.PPC150SL/R32SS	UK.PPC180SL/R32SS
Description			**150l slimline pre-plumbed cylinder**	**180l slimline pre-plumbed cylinder**
Suitable for			Daikin Altherma R-32 Monobloc Heating only	
Energy efficiency class			B	B
Standing heat loss (ErP)		W	52	58
Standing heat loss		kWh/24h	1.23	1.39
Storage volume		litres	152	178
Buffer vessel volume		litres	25	25
Max water temperature		°C	90	90
Pump	Quantity		1	1
	Nr of Speeds		PWM	PWM
	Nominal ESP	kPa	80	80
	Power Input	W	52	52
Primary immersion heater capacity		kW	3	3
Primary immersion heater power supply			1-phase / 230V / 50Hz	1-phase / 230V / 50Hz
Primary immersion heater recommended fuses		A	16	16
Height		mm	1869	1990
Diameter		mm	475	475
Empty weight		kg	61	69
Material inside cylinder			Stainless steel 2304	Stainless steel 2304
Piping connections (diameter)	Water inlet H/E	mm	28	28
	Water outlet H/E	mm	28	28
	Cold water in	mm	22	22
	Hot water out	mm	22	22
	Space heating flow	mm	28	28
	Space heating return	mm	28	28

Features:

- Plug & play installation, all key hydraulics included to ensure a fast and easy installation
- The perfect partner to the Daikin Altherma Monobloc, heating only models
- Available with the wiring box for separate connections and local power supply for the immersion heater
- With on board pump and 20L buffer vessel, these pre plumbed cylinders can also be used as a hydraulic separation between the primary and secondary circuits.
- Optimise floor space, our slimline model has a small footprint, making it ideal for smaller properties
- Maximum performance, built-in 20 litre buffer vessel, which can also be used as hydraulic separation and pre-fitted pump and magnetic filter to ensure the best performance from the Daikin Altherma Monobloc
- Pre-fitted with 20 litre buffer vessel / hydraulic separator, G3 kit (expansion vessel supplied loose), wiring box, diverter valve, on board pump, magnetic filter, automatic air vents and immersion heater.

EKHWSU-D

Hot Water Cylinder

Domestic hot water cylinder			SB.EKHWSU150/EKEXP	SB.EKHWSU180/EKEXP	SB.EKHWSU200/EKEXP	SB.EKHWSU250/EKEXP	SB.EKHWSU300/EKEXP
Description			**150L unvented cylinder (Including EKEXPVES)**	**180L unvented cylinder (Including EKEXPVES)**	**200L unvented cylinder (Including EKEXPVES)**	**250L unvented cylinder (Including EKEXPVES)**	**300L unvented cylinder (Including EKEXPVES)**
Suitable for			R-32 Split and Monobloc systems				
Energy efficiency class			B	B	B	B	B
Standing heat loss (ErP)		W	45	50	55	60	68
Storage volume		litres	145	174	192	242	292
Standing heat loss		kWh/24h	1.1	1.2	1.3	1.4	1.6
Max water temperature		°C	75	75	75	75	75
Booster heater capacity		kW	3	3	3	3	3
Power supply			1-phase / 230V / 50Hz	1-phase / 230V / 50Hz	1-phase / 230V / 50Hz	1-phase / 230V / 50Hz	1-phase / 230V / 50Hz
Recommended fuses		A	20	20	20	20	20
Height		mm	1015	1175	1283	1553	1763
Diameter		mm	595	595	595	595	595
Empty weight		kg	45	50	53	58	63
Material inside cylinder			Stainless steel (EN 1.4521)	Stainless steel (EN 1.4521)	Stainless steel (EN 1.4521)	Stainless steel (EN 1.4521)	Stainless steel (EN 1.4521)
Piping connections (diameter)	Water inlet H/E	inch	3/4 " (female)	3/4 " (female)	3/4 " (female)	3/4 " (female)	3/4 " (female)
	Water outlet H/E	inch	3/4 " (female)	3/4 " (female)	3/4 " (female)	3/4 " (female)	3/4 " (female)
	Cold water in	inch	3/4 " (female)	3/4 " (female)	3/4 " (female)	3/4 " (female)	3/4 " (female)
	Hot water out	inch	3/4 " (female)	3/4 " (female)	3/4 " (female)	3/4 " (female)	3/4 " (female)

Features:

- This stainless steel unvented cylinder is the ideal partner for Daikin Altherma R-32 Split and Low temperature monobloc systems
- Fitted with a 3kW immersion heater as standard
- Quick and easy installation with semi pre-plumbed G3 safety kit included
- Supplied with 3-way valve

EKHWP-PB

Thermal Store

EKHWP300B

EKHWP500B

Thermal Store				EKHWP300PB	EKHWP500PB
Description				**Thermal Store 300 litre (compatible with pressurised solar)**	**Thermal Store 500 litre (compatible with pressurised solar)**
Dimensions	Height x Width x Depth		mm	1650 x 595 x 615	1660 x 790 x 790
Weight			kg	58	89
Energy efficiency class				B	B
Standing heat loss (ErP)				64	72
Water volume			litres	294	477
Max. water temperature			°C	85	85
Insulation [1]			kWh/24h	1.5	1.7
Heat Exchanger (Heat Source)	Material			Stainless Steel (DIN1.4404)	Stainless Steel (DIN1.4404)
	Surface Area		m^2	2.7	3.8
	Internal coil volume		litres	13.2	19
Heat Exchanger (Domestic hot water)	Material			Stainless Steel (DIN1.4404)	Stainless Steel (DIN1.4404)
	Surface Area		m^2	5.6	5.8
	Internal coil volume		litres	27.1	29.0
Heat Exchanger (Pressurised Solar)	Material			Stainless Steel (DIN1.4404)	Stainless Steel (DIN1.4404)
	Surface Area		m^2	0.8	1.7
	Internal coil volume		litres	4.2	12.5
Thermal Performance	Hot water volume without reheating at draw-off rate 12l/m		litres	153 [2]	282 [2]
				252 [3]	240 [3]
				321 [4]	444 [4]
	Hot water volume without reheating at draw-off rate 8l/m		litres	284 [2]	324 [2]
				283 [3]	288 [3]
				352 [4]	492 [4]
Piping connections (diameter)	Heat source in/out		inch	G 1" (female) / 1" (male)	G 1" (female) / 1" (male)
	Potable water in/out		inch	G 1" (female) / 1" (male)	G 1" (female) / 1" (male)
	Pressurised solar in/out		inch	G 3/4" (female) / 1" (male)	G 3/4" (female) / 1" (male)

[1] Heat loss according to EN12897 and EN 15332
[2] Inlet temperature = 10°C / Tapping temperature = 40°C / Storage temperature = 50°C
[3] Inlet temperature = 10°C / Tapping temperature = 40°C / Storage temperature = 60°C
[4] Inlet temperature = 10°C / Tapping temperature = 40°C / Storage temperature = 65°C

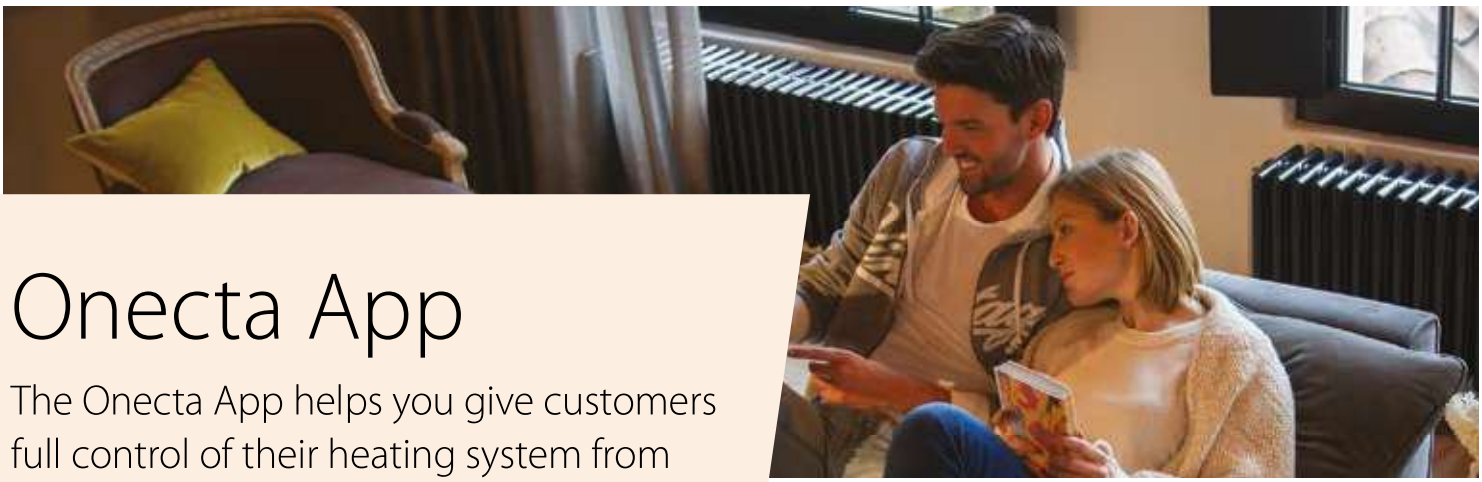
Features:

- This hot water thermal storage tank provides instantaneous hot water and serves as a heat storage medium
- Tank designed for connection with pressurised thermal solar system
- Tank designed for connection with drainback thermal solar system
- Available in 300 and 500 litres
- 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)

Accessories:

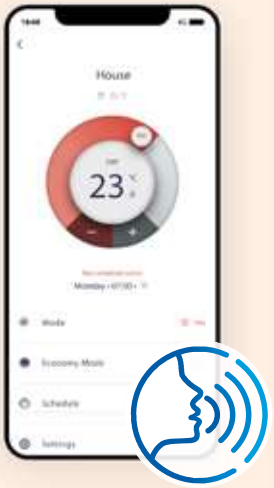
Accessory Ref	Description
165215	Fill and drain connection - Recommended to be ordered with every thermal store
165070	Gravity break set - Avoids thermal heat loss from thermal store due to thermo-siphon effect.
164102-RTX	Solar flow setter - Flow regulating valve with flow indicator (2-16 l/min), for balancing solar flow in cascade installations
165113	Secondary circulation kit - connection for secondary hot water connections
EKBH3S	3kW immersion heater for thermal store

Accessory Ref	Description
EKEPHYHT35H	300l thermal store connection kit (R-32 Hybrid)
EKEPRHLT3HX	300l Thermal store connection kit - Heating only & Reversible (R-32 H HT, H-Split, R-Split and Monobloc)
EKEPRHLT5H	500l Thermal store connection kit - Heating only (R-32 H HT, H-Split, R-Split and Monobloc)
EKEPRHLT5X	500l Thermal store connection kit - Reversible (R-32 H HT, H-Split, R-Split and Monobloc)
EKEPHT3H	300L Thermal Store connection kit (R410 Hybrid/HT R-Split)
EKEPHT5H	500L Thermal Store connection kit (R410 HT R-Split)



Onecta App

The Onecta App helps you give customers full control of their heating system from their smartphone – ideal for busy lifestyles and remote management.



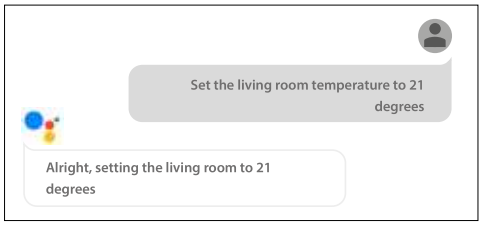
onecta

Voice control

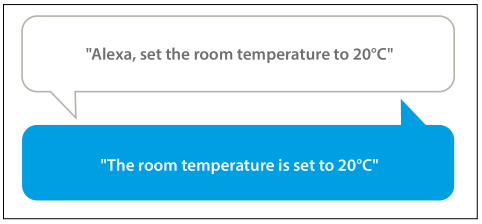
Set up voice control to give customers hands-free operation. This quick-access feature reduces clicks and speeds up control of units. Compatible with Google Assistant and Amazon Alexa for extra convenience.

works with the Google Assistant

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 for your customer showing when the system should operate, with up to six actions per day.

- ☑ Pre-set room temperature and operation mode for consistent comfort.
- ☑ Enable holiday mode to help them save on running costs.

Monitor

Give your customer a clear overview of how their system is performing and how much energy it uses.

- ☑ Check heating system status remotely for reassurance and troubleshooting.
- ☑ View energy consumption graphs (day, week, month) to optimise efficiency.

Control

Configure the system to match your customer's comfort needs all year round.

- ☑ Adjust room and domestic hot water temperatures.
- ☑ Activate powerful mode for a quick boost in hot water production.

Scan the QR code to download the app now

DAIKIN

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.

Available on the App Store

GET IT ON Google Play

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

Easy update via Bluetooth

We strongly recommend that you ensure 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

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

DESIGN AWARD 2018

MMI

Inspired from the design awarded Daikin Altherma third-generation interface of indoor units, this new controller gathers all benefits:

☑ 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 quickily with the new interface. It's simple to use with just a few buttons and two navigational knobs.

☑ Beautiful design

The interface was 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

Install the BRP069A78 WLAN adaptor in the MMI will make the heat pump wi-fi enabled. You can then connect the heat pump to ONECTA for smart phone control.

☑ 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

Handover 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.

☑ E-care

Daikin e-Care is a mobile and web app for installers, giving fast access to installation, configuration and diagnostics. Register units, adjust settings and troubleshoot issues quickly, all from your device, saving time on site and improving service efficiency.

☑ Daikin Cloud Service

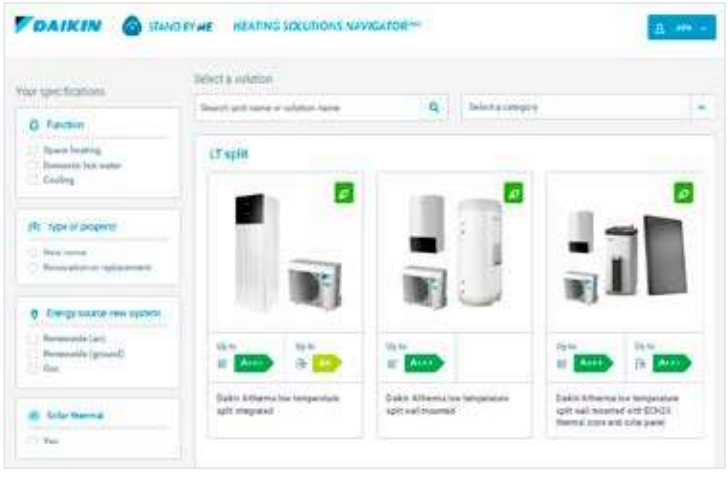
Daikin DCS is an online platform giving installers remote access to heat pump settings, energy usage, and error codes. Diagnose issues, adjust controls, and optimise efficiency without site visits. Saving time, improving first-time fix rates, and delivering faster, more professional service

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
- Request a quotation for DUCO Residential Ventilation System



daikin.co.uk

National Heating Installer Hub: 01932 879070

Daikin Customer Contact Centre: 01932 879271

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