

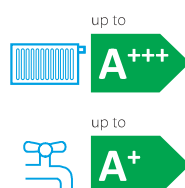
Daikin Altherma 3

Low Capacity Monobloc

(4-6-8 class)



Setting the new Monobloc standard



E(B/D)LA04-08EV3



Table of contents

Daikin Altherma 3 Low Capacity Monobloc	4
Functional design.....	4
Fully connected control.....	6
Consistently compact.....	8
Combination table and options.....	9
EDLA04-08EV3 specifications	10
EBLA04-08EV3 specifications	11
Thermal Stores and Tanks	12
UK PPC/R32.....	14
EKHWSU-D & EKHWP-PB	15
Controls	16
Daikin Onecta app	16
Madoka for Heating, wired room thermostat	17
Modern user interface	17
Stand By Me	19

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, benefiting from a new design and using R32 refrigerant, which has a low Global Warming 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.

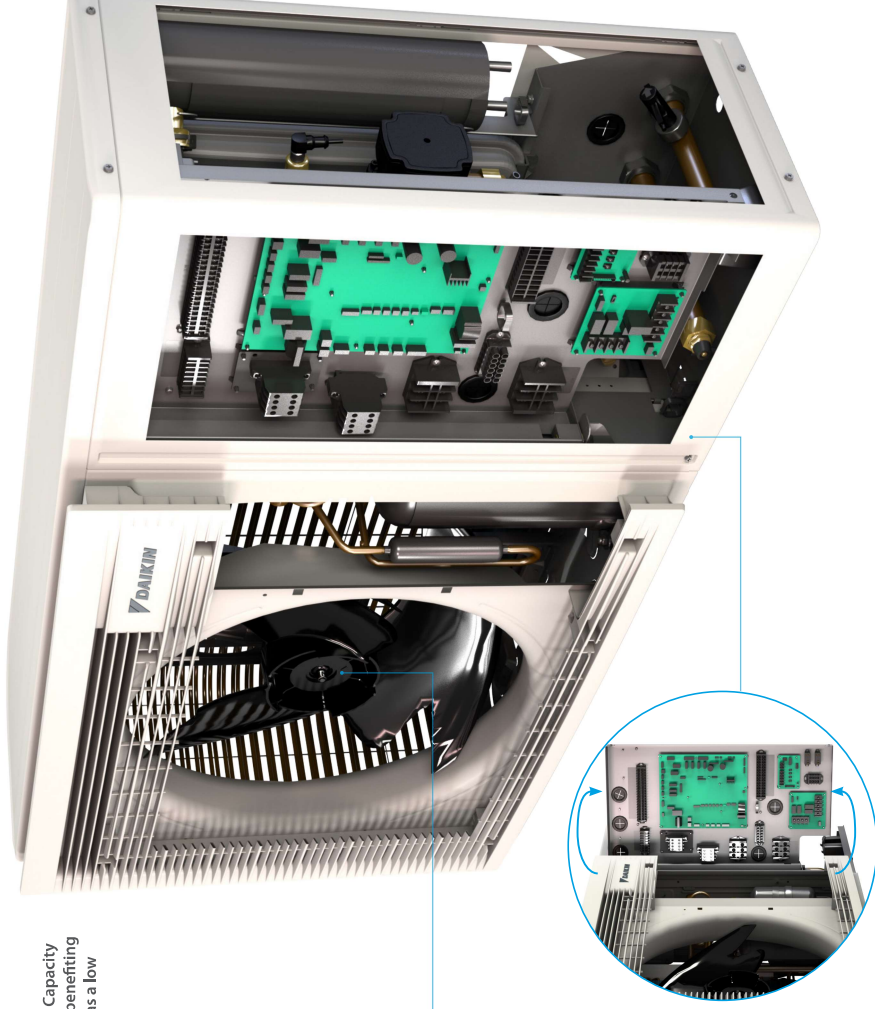
The light grey, seamless casing reflects the environment in which the unit is installed, helping it to blend in with its surroundings.

A renewed fan shape

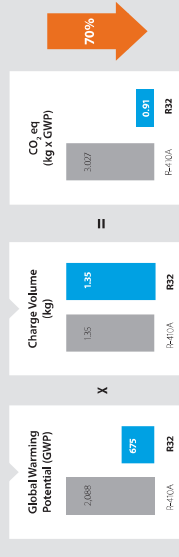
The shape of the fan has been reviewed to reduce the contact surface with air and improve air circulation.

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: R410A 2,088 > R32: 675



R32 monobloc BLUEEVOLUTION

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.

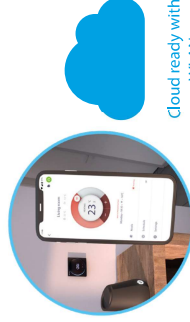
Fully connected control

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



Heating and cooling emitters

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



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



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 **A++**
- › Domestic hot water up to **A+**
- › 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

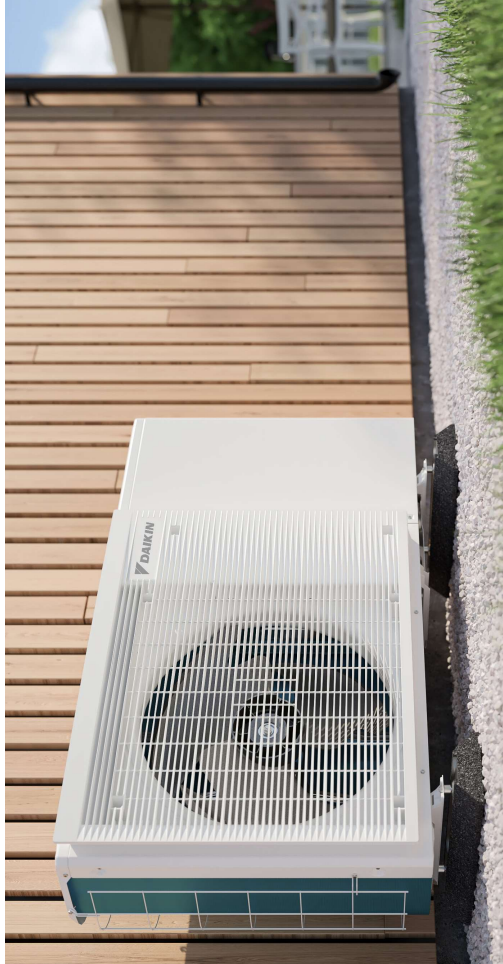
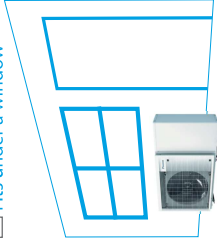
✓ Flexibility in domestic hot water production

- Combines with:
- › Stainless steel domestic hot water tank (EKHWS(U)-D)
 - › Thermal store EKHWP-IPB 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				R32 small monobloc	
				Without back-up heater	
				Rev	H/O
Controls	Type	Description	Material name	EDLA04EV3	EDLA04EV3
				EDLA06EV3	EDLA06EV3
				EDLA08EV3	EDLA08EV3
Controls		Modula wired room thermostat	BRCHHDX/S/W	•	•
		Wireless room thermostat	EKRTB8	•	•
		Wired gital thermostat	EKRTWA	•	•
		Universal centralized controller for cascade	EKCC8-W DCOM-LI/IO-LI/MB	•	•
		WLAN cartridge	BRP069A/8	•	•
Multi-zoning controls		Digital wired room thermostat	EKWCTRDIV3	•	•
		Analog wired room thermostat	EKWCTRAINV3	•	•
		Actuator	EKWCVATRV3	•	•
		Multi-zoning base station (10 channels)	EKWUHTIAV3	•	•
Sensors		EKWCVATRV3	KRC50H-I	• (1)	• (1)
		Multi-zoning base station (10 channels)	EKSCA1	• (1)	• (1)
		EKWUHTIAV3	EKRTESB	• (2)	• (2)
		Temperature sensor for EKHWS-D (25m length)	EKTESE1	•	•
		Temperature sensor for EKHWP-IPB (25m length)	EKTESE2	•	•
Domestic hot water		DHW tank	EKHWS(U)-DSIV3	•	•
		Thermal stores	EKHWP500/IPB	•	•
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	EKLBHCB6W	• (4)	•
		By-pass kit	EKMIBBP	• (4)	•
		Bizone kit	EKMIPOA	•	•
			EKMIPHA	•	•
		Digital I/O PCB	EKRPHBAA	• (5)	• (5)
		Demand PCB	EKRPIAHTA	•	•
		Freeze protection valve	AFVALVEI	•	•
		PC USB cable	EPCCCB4	•	•
		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 (EKSTR1).
(3) Multi combination (quantity depends on capacity class). EKVHPC needs to be installed mandatory on heat pump convectors (exception: Lr-H/O).
(4) Check EXMBEP necessity drawing to decide to install it in combination with reversible models, in order to avoid sweat on the back-up heater.
(5) Additional delays to allow bi-valent control in combination with external room thermostat are field supply.
(6) Mandatory if glycol is used.