Daikin Altherma 3 Monobloc Heat Pump

4, 6, 8 Class

EB(D)LA

Daikin Altherma 3 Monobloc Heat Pump

R-32 BLUEVOLUTION

This new addition to the Daikin Altherma 3 range offers lower capacity monobloc units, in 4, 6, and 8 class, all delivered in a market leading compact single fan casing

Ideal for well-insulated homes and renovation projects, it's the perfect choice for smaller modern dwellings that can be heated efficiently with low flow temperatures. It offers:

› Specially developed compressor technology using R32 refrigerant
› Available in heating only and reversible options
› 60°C leaving water temperature
› Heat pump operation down to -25°C
› Bluevolution technology to achieve higher performance and lower global warming potential
› Compact and stylish design
› Cloud ready: WLAN cartridge standard in accessory bag
› User interface included
› PV / smart grid connection direct on the PCB
› No separate wiring centre
› Extremely quiet with sound power 52 dba
› All main hydraulic components in outdoor unit including:
  › Plate heat exchanger
  › Pump
  › Switch box including the PCB
  › Stop valve
  › Expansion vessel

EB(D)LA4-8EV3

BRC1HHDW/S/K

up to

A+++   60°C

EB(D)LA

Daikin Altherma Monobloc

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	Heating (1/2)		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								

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

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 price list

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
K.FF600ASN	Two flexi feet, height 100mm, to mount the outdoor unit
K.CWBXL	Wall brackets for outdoor units (250kg, 660mm long, 2 arms)
K.CWBXLSS	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)

Accessory Ref	Description
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 EKHWSP
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

CERTIFIED LR ISO 9001 · ISO 14001

CE

FSC

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