



# Daikin Altherma 3 GEO

## Ground Source Heat Pump



Groundbreaking innovation



# Daikin Altherma 3 GEO Top performance even in coldest climate

The Daikin Altherma ground source heat pump uses geothermal energy and Daikin's inverter heat pump technology to deliver heating and hot water in all climates.



## Space heating

During winter



## Space cooling

Active cooling with high efficiency



## Domestic hot water production

Integrated 180L stainless steel tank



Leaving water temperature up to 65°C, so the unit can work with underfloor heating but also with radiators.



## Renovation and new build

Suitable for renovation: thanks to a high water temperature of 65°C output, the unit fits with classic radiators.

Suitable for new build: the Daikin Altherma 3 geo is also combinable with fan coils and underfloor piping.

### BLUEEVOLUTION

Bluevolution technology using R-32, environmentally friendly refrigerant with a lower GWP, reducing its CO2 equivalent by 73% compared to its predecessor R-410A.



## Electricity savings

The continuous inverter operation allows a high modulation range down to 0.85kW, avoiding the unit to use more electricity to stop and start.



Daikin Altherma HPC provides heating or cooling for living rooms.

An 80-100 metre borehole in the ground creates a constant inlet temperature.

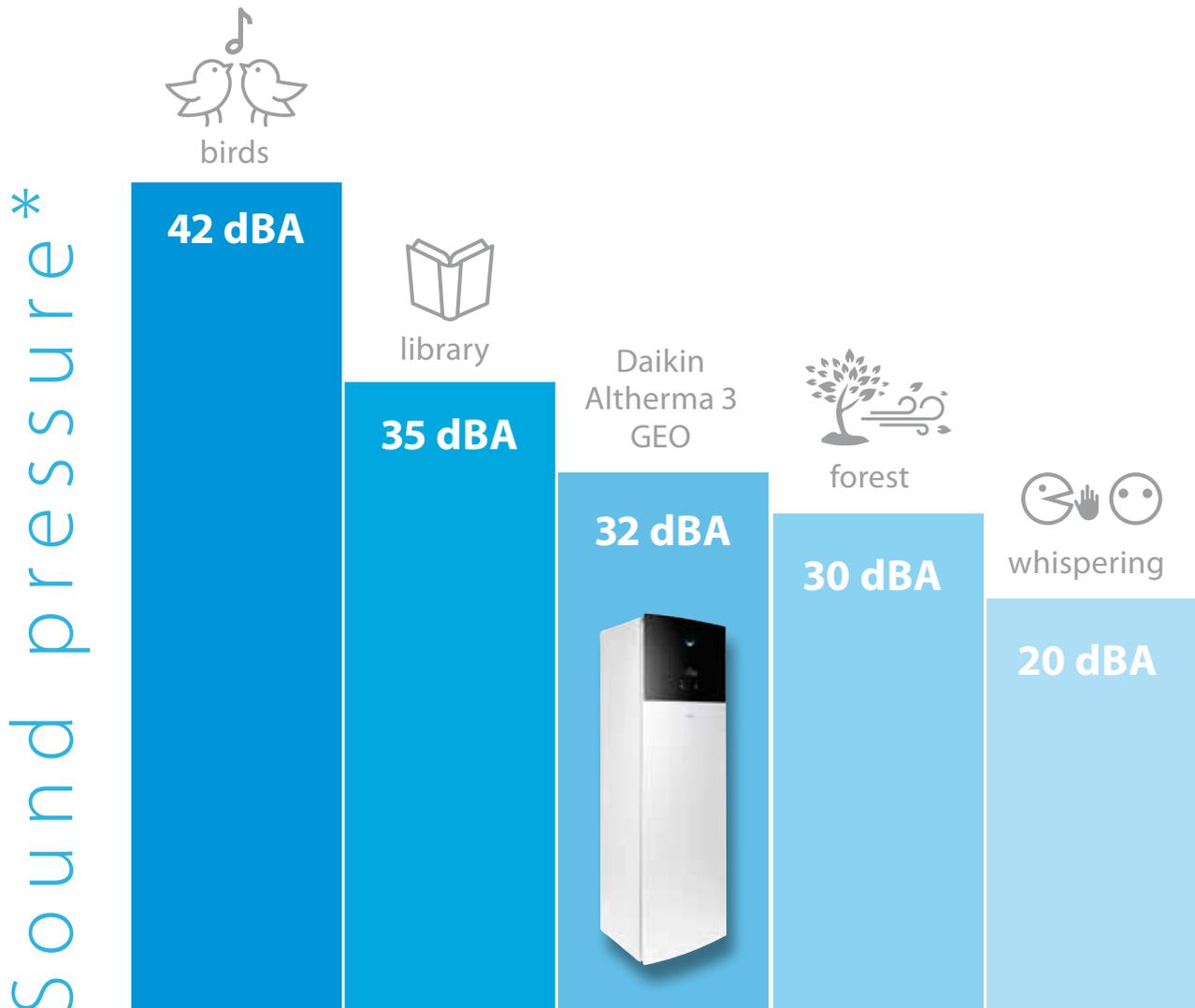
# Care for peace of mind



The Daikin Altherma 3 GEO is designed to perform the best efficiencies in what matter the most: quietness and connectivity.



## Extremely quiet operation



\*at 1 meter.



## Built-in connectivity

Control your home climate from any place, at any time

## LAN connectivity



Always in control.

Control your climate from any place, at any time.



Monitor the status of your heating system



Control the operation mode and set temperature



Schedule the set temperature and operation mode

## Madoka wired remote controller for Daikin Altherma

A new generation of user interface, redesigned and intuitive.

- ✓ Intuitive control with a premium design
- ✓ Three colors to match any interior design
- ✓ Easily set operation parameters



BRC1HHDW



BRC1HHDS



BRC1HHDK



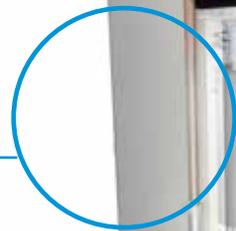
# Groundbreaking innovation

Quick and easy installation thanks to factory-fitted piping on top of the unit, pre-cabled electrical connections and reduced overall weight.

All pipe connections on top, paired in and out



Standard electrical connections pre-cabled



Can easily be installed in confined spaces thanks to a small footprint and integrated handles



666 mm

# 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 a 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.



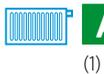
Removable compressor module, reducing the overall weight by 70 kg



# Daikin Altherma 3 GEO

Ground source heat pump for heating, cooling & hot water

- › Top-level seasonal efficiency thanks to our inverter heat pump technology providing the highest savings on running costs.
- › Delivering temperatures up to 65°C at high efficiency, the R-32 Daikin Altherma 3 GEO is suitable for underfloor heating/cooling, fan coils and radiators.
- › Integrated indoor unit: all-in-one floor standing unit including the stainless steel domestic hot water tank saves space and installation time.
- › The unit has a similar footprint when compared to other household appliances.
- › Reversible heat pump, allowing heating and cooling.



(1)



L



Indoor Unit				EGSA	H06D9W	X06D9W(G)	H10D9W	X10D9W(G)	
Heating capacity	Min.			kW		0.85			
	Nom.			kW				5.48	
	Max.			kW		3.34		9.10	
Power input	Nom.			kW				1.12	
	COP							4.89	
Space heating	Average climate water outlet	General	η <sub>s</sub> (Seasonal space heating efficiency)	%	150	153	160	162	
									Seasonal space heating eff. class
	Average climate water outlet	General	η <sub>s</sub> (Seasonal space heating efficiency)	%	214	219	210	213	
									Seasonal space heating eff. class
Domestic hot water heating	General		Declared load profile		L				
	Average climate	η <sub>wh</sub> (water heating efficiency)		%	117				
	Water heating energy efficiency class		A+						
Space cooling	UFH	General	SEER		-	15	-	15	
			Pdesign	kW	-	8	-	8	
	Fan Coil	General	SEER		-	14	-	14	
			Pdesign	kW	-	8	-	8	
Casing	Colour	White or Silver-grey							
	Material	Precoated sheet metal							
Dimensions	Unit	HeightxWidthxD	mm	1,891x597x666					
Weight	Unit	222							
Tank	Water volume		l		180				
	Insulation	Heat loss		kWh/24h	1,2				
		Corrosion protection		Pickling					
Operation range	Installation space		Min.~Max.	°C	5 / 35				
	Brine side		Min.~Max.	°C	-10 / 30				
	Heating	Water side		Min.~Max.	°C	5 / 65			
		Domestic hot water		Min.~Max.	°C	25 / 60			
	Refrigerant	Type	R-32						
GWP		675							
Charge		kg		1.70					
Charge		TCO <sub>Eq</sub>		1.15					
Sound power level	Nom.	dB(A)		39.0					
Sound pressure level at 1 meter	Nom.	dB(A)		27.0					
Power supply	Name/Phase/Frequency/Voltage			3~/50/400 or 1~/50/230					
Current	Recommended fuses			A 3P 16A or 1P 32A					

(1) According to EU n°811/2013 label lay-out 2019, on a scale from G to A+++.

## Options

	Type	Material name
Controls	Remote user interface	BRC1HHDAA/S/W
	Room thermostat (wired)	EKRTWA
	Room thermostat (wireless)	EKRTR1
	Cascade control	EKCC8-W
	Gateway	DCOM-LT/IO
Adapter	Demand PCB	DCOM-LT/MB
	Digital I/O PCB	EKRP1AHTA
		EKRP1HBAA
Sensor	Remote indoor sensor	KRCS01-1
	External sensor	EKRTETS
	Reduce power limitation sensor	EKCSSENS
Valve	Valve kit	EKVK1A/2A/3A
Others	PC cable	EKPCCAB4
	Ground source filling kit	KGFSILL2
	Hydromodule replacement	EKGSYDMOD
	Separate power supply BUH	EKGSPOWCAB
	Magnetic filter Fernox	K.FERNOXTF1
	Magnetic filter Fernox	K.FERNOXTF1FL

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