

Technical specifications of the Daikin Altherma 3 High Capacity Monobloc 11kW (11 Class) Air Sourced Heat Pumps

High performance in low ambient conditions

Operation range is down to -25°C ensuring the system delivers in the harshest of conditions. The unit also has high performance of 60°C leaving water temperature down to -7°C ambient. At typical design conditions of -1.8°C and 45°C the 11 class units hold or even exceed their capacity. This ability to reliably deliver higher capacities - and even perform beyond the headline capacity in some cases - really makes the Daikin Altherma 3 High Capacity Monobloc a stand-out solution for all kinds of properties.

Designed to reduce sound levels

Daikin have optimised the design of the Monobloc unit, meaning that the double fan arrangement has been replaced with a larger single fan. The new 'gull wing' fan design reduces drag to improve system air flow and create a quieter outdoor unit with a low sound level of just 62 dBA

Reduced environmental impact

Daikin Altherma 3 High Capacity Monobloc uses R32 refrigerant which is more energy efficient and has a lower global warming potential (GWP) than refrigerants such as R410A. Requiring 30% less refrigerant charge than an R410A equivalent unit, the Daikin Altherma 3 Monobloc achieves 75% lower CO2 emissions than previous Monobloc units.

Technical Specification 11kW

Height x Width x Depth mm: 870 x 1380 x 460

Weight: 149 kg

Nominal capacity (kW): 10.6/9.82

Nominal input (kW): 2.18/2.68

COP Heating: 4.83/3.66

Seasonal space heating efficiency:

Average climate 35°C: Class A+++, Efficiency 182, SCOP 4.64.

Average climate 55°C: Class A++, Efficiency 130, SCOP 3.32

Operation Range (Celsius): -25C to +35C

Refrigerant Charge (factory) R32: 3.8 kg

Power Supply: 1-phase/230V/50Hz

Sound power level

dBA62 measured at one metre from the Unit

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