2.0 MINI

All-in-one air conditioning unit with state-of-the-art monobloc technology and no outdoor condenser.

Submittal datasheet

Product code: C5M009ICUC
Model: 2.0 09HP -DC Inverter - 120V/60Hz - 1Ph

BEAUTIFUL, SLIM, AND SILENT

The **2.0 MINI** 9 HP DC Inverter air conditioner without an external unit is designed for indoor installation on a perimeter wall at the top or bottom, in a vertical position.

Inverter technology allows you to optimise the power for maximum comfort. The Dual Power function allows the required temperature to be reached in the shortest possible time.

Control is via a touch panel located on the unit or via a remote control.

General Features

- BLDC Inverter compressor
- ECM fans (centrifugal)
- R290 refrigerant
- Auto restart
- Intelligent defrost
- No outdoor unit
- Condensate disbursement systems
- Onboard touch controller
- Electronically controlled air louver
- 3 selectable fan speeds + Auto
- Easy to install Wi-Fi with Android/iOS App
- Industry leading STC rating
- ModBus (Wi-Fi app.)
- Modes: Cool, Heat, Dehumidify, Auto
- Dry contact (CP)
- Washable filter
- Cabinet finish: RAL 9003 signal white -steel

Performance Specifications

Cooling Performance (35 °C: A 27 °C)

Max. Cooling Capacity Dual Power (BTU/h)	8,000
Nominal Cooling Power (BTU/h)	5,900
Minimum Cooling Capacity (BTU/h)	2,400
EER	3.01
Refrigerant	R290
Refrigerant Charge (kg)	0.14
Min. indoor air low rate (CFM)	141
Min. external air flow rate (CFM)	190
Max. external air flow rate (CFM)	225
Max. external air flow rate (CFM)	253

Heating Performance (A 7 °C: A 20 °C)

Max. Heat Output Dual Power (BTU/h)	8,200
Nominal Heat Power (BTU/h)	5,850
Minimum Heat Output (BTU/h)	2,550
COP	3.15
Nominal Sound Pressure (dB(A))	39
Minimum Sound Pressure (dB(A))	27

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Electric Specifications

(Power Supply = Hardwired Only) -Single Phase

Tension power supply (V/ph/Hz)	115/1/60
Operating voltage range (V)	103 to 127
Maximum absorbed current (A)	7.8
MCA (A)	10
Cooling-total input power (kW)	1.14
Heating-total absorbed power (kW)	1.08
Total input power (kW)	1.80
MCOP (A)	15

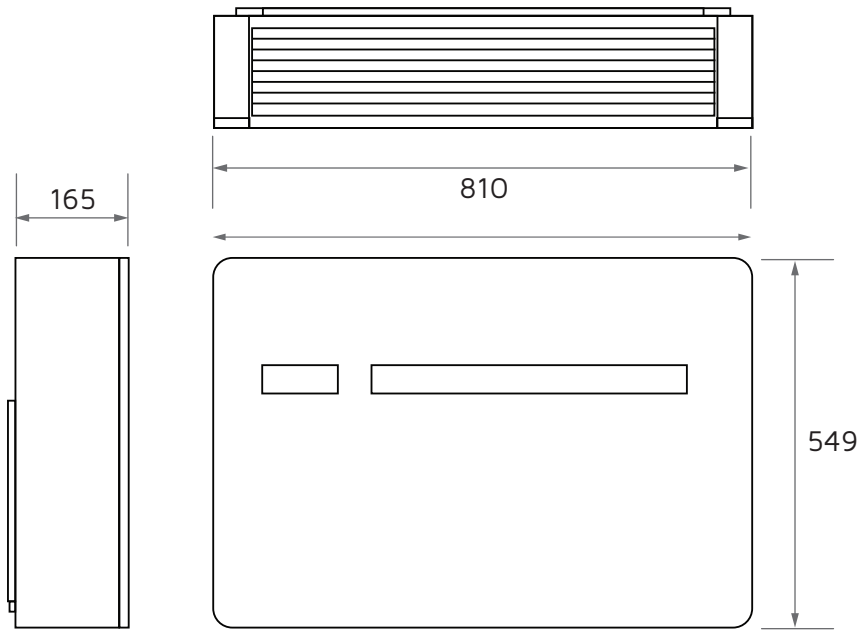
All units come with

Heat exchangers, DC Inverter compressor, condensate release system with summer evaporation, EC fan on outdoor side and DC brushless fan, Wi-Fi connectivity, R290 gas – no power cord is provided.

Safety

Conforms to SPE-1000 Field Inspection.

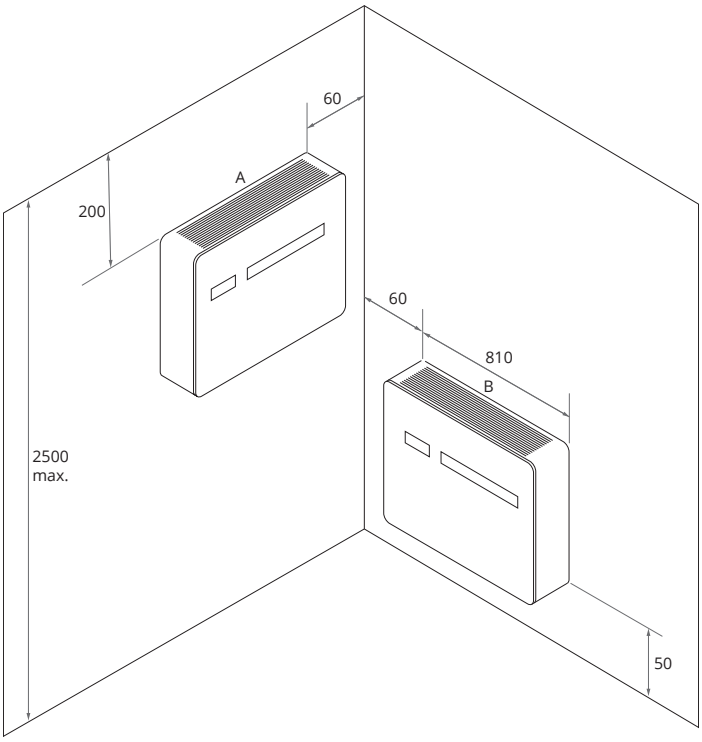
Dimensions – Physical Data

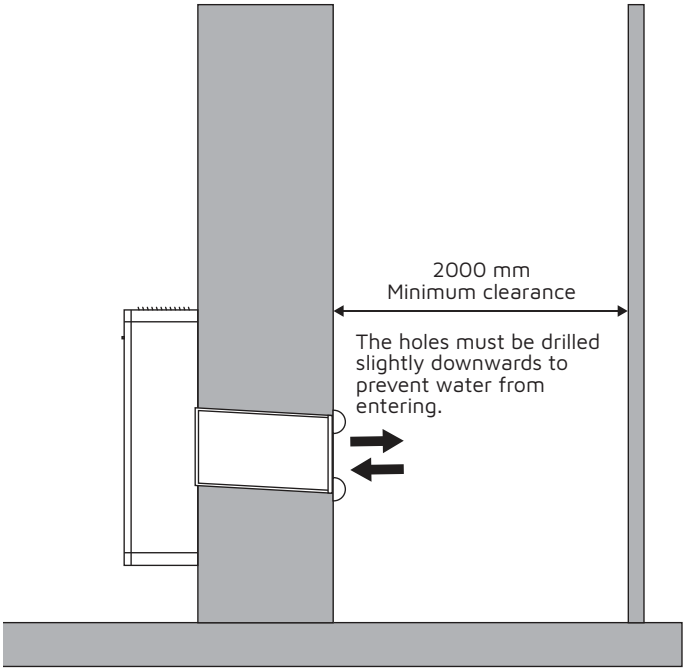


Product dimensions and weight

Width (mm)	810
Height (mm)	549
Total depth (mm)	165
Empty weight (kg)	38,0
Wall hole diameter (mm)	162
Wall holes distance (mm)	293

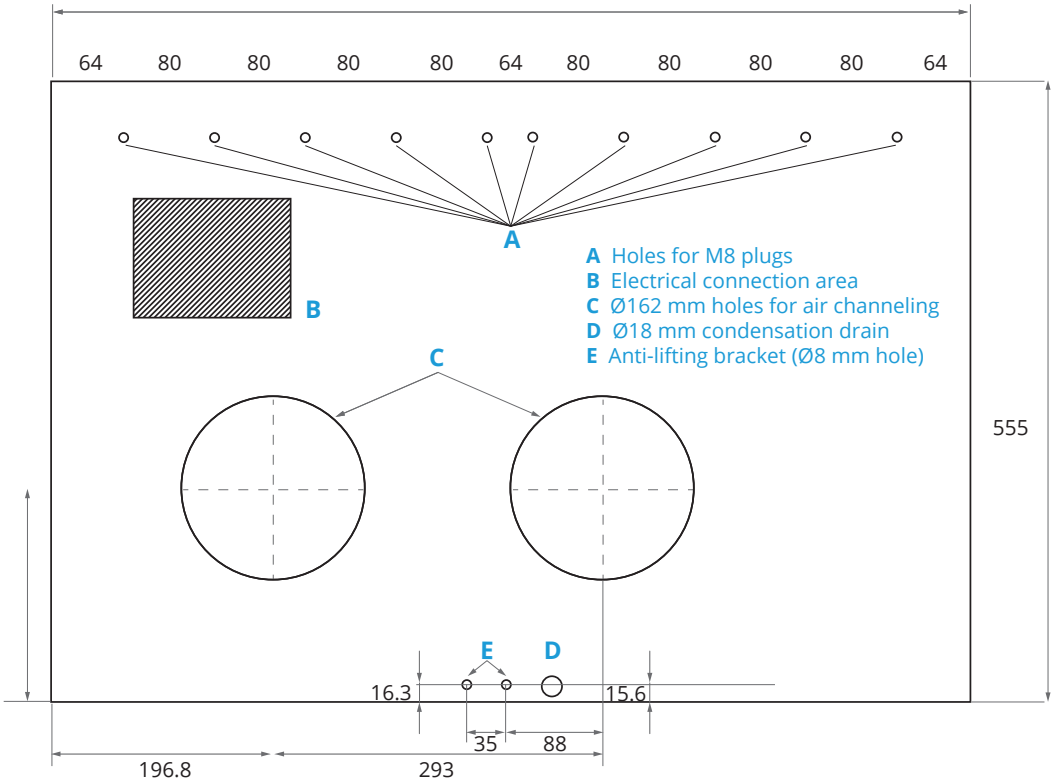
Installation Clearance





Mounting Template

- For the unit to work, two holes with a 162 mm diameter must be placed as indicated on the template.
- The maximum depth of the holes is 1 m and there must be no bends.
- Use the supplied grids or grids with the same characteristics.



Heating performance

Indoor Temp. (°C)	Maximum Fan Speed			Minimum Fan Speed		
	20			20		
Outdoor Temp. (°C)	PH (kW)	PA (kW)	COP	PH (kW)	PA (kW)	COP
-20	0,90	0,51	1,76	0,48	0,24	1,96
-10	0,93	0,52	1,78	0,49	0,25	1,96
-7	1,13	0,52	2,16	0,60	0,25	2,39
-2	1,37	0,53	2,58	0,73	0,26	2,82
2	1,55	0,53	2,92	0,82	0,26	3,14
7	1,71	0,54	3,17	0,91	0,27	3,37

Cooling performance

* Outdoor relative humidity = 87%

IndoorTemp. (°C)	Maximum Fan Speed						Minimum Fan Speed					
	20			27			20			27		
OutdoorTemp. (°C)	PC (kW)	PA (kW)	COP	PC (kW)	PA (kW)	COP	PC (kW)	PA (kW)	COP	PC (kW)	PA (kW)	COP
40	1,88	0,68	2,76	1,62	0,63	2,57	0,80	0,34	2,36	0,81	0,35	2,35
38	1,95	0,65	3,00	1,68	0,60	2,80	0,87	0,31	2,82	0,87	0,32	2,76
35	1,99	0,62	3,21	1,73	0,57	3,04	0,91	0,28	3,27	0,92	0,29	3,23
27	2,02	0,60	3,37	1,76	0,55	3,20	0,94	0,26	3,64	0,95	0,27	3,59
25	2,05	0,58	3,53	1,79	0,53	3,38	0,97	0,24	4,07	0,98	0,25	4,00
23	2,08	0,56	3,71	1,82	0,51	3,57	1,00	0,22	4,59	1,01	0,23	4,49
20	2,11	0,54	3,91	1,85	0,49	3,78	1,03	0,20	5,21	1,04	0,21	5,08
18	2,14	0,52	4,12	1,88	0,47	4,00	1,06	0,18	5,96	1,07	0,19	5,79

PH = Heating capacity (kW)

PC = Cooling capacity (kW)

PA = Input power (kW)

* Outdoor relative humidity = 41%