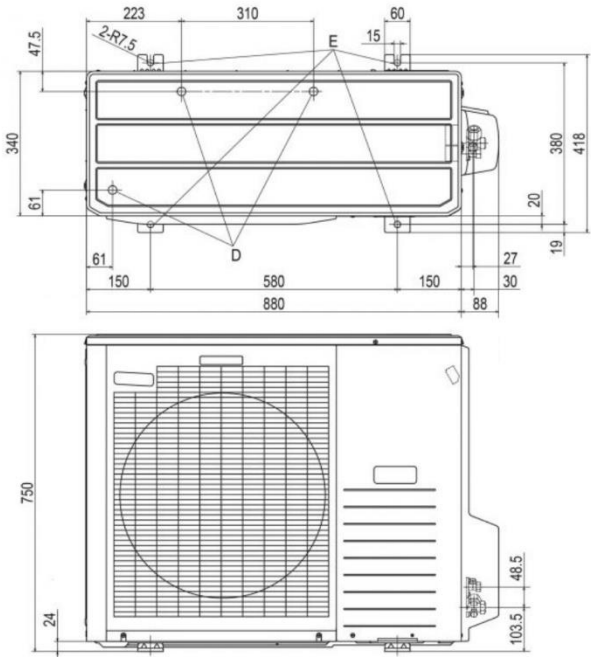


Air conditioning Full planning permission

Acoustic assessment

| | |
|---------------------------|----------------------------|
| Site address | 169C west end lane NW6 2LH |
| Planning portal reference | PP-11767742 |

For the FDC100VNP-W air conditioner outdoor unit, the manufacturer may provide the sound pressure level (SPL) generated by the unit at a specific distance. The SPL is usually measured in decibels (dB) and is a logarithmic unit that represents the ratio of the sound pressure level to a reference pressure level.

| Outdoor unit size | Installation |
|--|--|
|  <p>The drawing shows two views of the outdoor unit. The top view (plan view) shows a rectangular unit with a total width of 880mm and a total height of 418mm. Key dimensions include a main body width of 580mm, a depth of 310mm, and a top panel width of 223mm. Mounting points are indicated with dimensions like 61mm and 150mm. The front view shows a height of 750mm and a depth of 103.5mm. A circular blower outlet is visible on the front panel.</p> | <ul style="list-style-type: none"> • The unit must be fixed with anchor bolts more than 15mm • The wall behind the outdoor unit is load-bearing and fire resistance, acoustic • Wall in beside of the blower outlet are not exceed the units height |

| | | |
|----------------------|------------------------|---|
| Sound pressure level | Cooling/ Heating dB(A) | 56/54 not more than 60 During daytime hours in residential area |
|----------------------|------------------------|---|



SRK100ZR-W / FDC100VNP-W

9.6 (2.1~9.6)

Indoor Unit : SRK100ZR-W

Outdoor Unit : FDC100VNP-W

Specifications

R32

| | | | |
|--|-------------------------|-------------------------|---|
| Indoor unit | | SRK100ZR-W | |
| Outdoor unit | | FDC100VNP-W | |
| Power source | | 1Phase, 220 - 240, 50Hz | |
| Nominal cooling capacity (Min~Max) | | kW | 9.6 (2.1~9.6) |
| Nominal heating capacity (Min~Max) | | kW | 10.0 (1.7~10.4) |
| Power consumption | | Cooling/Heating | kW |
| | | | 3,10 / 2,80 |
| EER/COP | | Cooling/Heating | |
| | | | 3,10 / 3,57 |
| Max. running current | | A | 19 |
| Sound power level | Indoor | Cooling/Heating | 59 / 62 |
| | Outdoor | Cooling/Heating | 68 / 67 |
| Sound pressure level | Indoor | Cooling (Hi/Me/Lo/Ulo) | dB(A) |
| | | Heating (Hi/Me/Lo/Ulo) | |
| | Outdoor | Cooling/Heating | 48 / 43 / 38 / 30 |
| | | Cooling/Heating | 56 / 54 |
| Air flow | Indoor | Cooling (Hi/Me/Lo/Ulo) | m3/min |
| | | Heating (Hi/Me/Lo/Ulo) | |
| | Outdoor | Cooling/Heating | 27.5 / 23.2 / 19.1 / 13.6 |
| | | Cooling/Heating | 63 / 55 |
| Exterior Dimensions | Indoor | Height x Width x Depth | mm |
| | Outdoor | | |
| | | | 750 x 880(+88) x 340 |
| Net weight | Indoor / Outdoor | kg | 16.5 / 57.0 |
| Refrigerant | Type/GWP | | R32/675 |
| Refrigerant | Charge | kg/TCO2Eq | 1.7 / 1.148 |
| Refrigerant piping size | Liquid/Gas | ø mm | 6,35(1/4") / 15,88(5/8") |
| Refrigerant line (one way) length | | m | Max. 30 |
| Vertical height differences | Outdoor is higher/lower | m | Max. 20 / Max. 20 |
| Outdoor operating temperature range | Cooling | °C | -15~46 |
| | Heating | | |
| Clean filter | | | Allergen Clear Filter x 1, Photocatalytic Washable Deodorizing Filter x 1 |
| Energy Class (Cooling/Heating) | | | A+ +/A+ |
| SEER | | | 6,11 |
| SCOP (Average climate) | | | 4,14 |
| Pdesign (cooling/heating(@-10°C)) | | kW | 9,6/6,0 |
| Annual Electricity Consumption (cooling/heating) | | kWh/a | 551/2028 |
| Designated Heating Season | | | Average |

- The data is measured under the following conditions(ISO-T1, H1). Cooling: Indoor temp. of 27°CDB, 19°CWB, and outdoor temp. of 35°CDB. Heating: Indoor temp. of 20°CDB, and outdoor temp. of 7°CDB, 6°CWB.
 - Sound level indicates the value in an anechoic chamber. During operation these values are somewhat higher due to ambient conditions.
 - 'tonne(s) of CO2 equivalent' means a quantity of greenhouse gases-expressed as the product of the weight of the greenhouse gases in metric tonnes and of their global warming potential.
- *SEER/SCOP are based on EN14825:2016 and Commission regulation (EU) No.2016/2281