

MONOSPLIT SMART

COLUMN



FDF 71-100 VH

- Ideal for restaurants, shops and offices applications, without false ceiling or high ceilings
- **25 m** Splitting distance
- Wide and powerful air flow
- Easy transport and installation
- The wired control has a alarm function in case of gas leakage. The gas sensor is on the base of the unit

| Indoor unit model | | FDF 71 VH | | FDF 100 VH | | FDF 100 VH | |
|--|--------------------------------------|---|------------------------------|------------------------------|-----------------------|---------------|--|
| Outdoor unit model | | FDC 71 VNP-W | | FDC 90 VNP-W | | FDC 100 VNP-W | |
| Type | | DC-Inverter heat pump | | | | | |
| Control (included) | | Wired control TOUCH with gas leak alarm | | | | | |
| Nominal data | | | | | | | |
| Rated capacity (T=+35°C) | Cooling | kW | 7.10 (1.50~7.30) | 9.00 (2.10~9.50) | 10.00 (2.10~10.20) | | |
| Rated power input (T=+35°C) | | kW | 2.51 | 2.5 | 3.39 | | |
| Rated energy efficiency coefficient | | EER1 | 2.82 | 3.60 | 2.95 | | |
| Rated capacity (T=+7°C) | Heating | kW | 7.10 (1.10~7.30) | 9.00 (1.70~9.50) | 10.00 (1.70~10.40) | | |
| Rated power input (T=+7°C) | | kW | 2.02 | 2.24 | 2.71 | | |
| Rated energy performance coefficient | | COP1 | 3.51 | 4.02 | 3.69 | | |
| Seasonal data | | | | | | | |
| Design load (Pdesignc) | Cooling | kW | 7.10 | 9.00 | 10.00 | | |
| Seasonal energy efficiency index | | SEER2 | 5.85 | 5.91 | 5.43 | | |
| Seasonal energy efficiency class | | 626/20113 | A+ | A+ | A | | |
| Annual energy consumption | | kWh/y | 425 | 535 | 645 | | |
| Design load (Pdesignh) @ -10°C | Heating (average climate conditions) | kW | 5.70 | 6.00 | 6.40 | | |
| Seasonal energy efficiency index | | SCOP2 | 3.91 | 4.24 | 3.94 | | |
| Seasonal energy efficiency class | | 626/20113 | A | A+ | A | | |
| Annual energy consumption | | kWh/y | 2039 | 1981 | 2274 | | |
| Electrical data | | | | | | | |
| Power supply | Outdoor unit | Ph-V-Hz | 1-220~240V-50Hz | | | | |
| Power cable | | Type | 3 x 4 mm ² | 3 x 4 mm ² | 3 x 4 mm ² | | |
| Connection wires between I.U. and O.U. | | nb. | 4 | 4 | 4 | | |
| Nominal absorbed current | Cooling | A | 11.10 | 11.10 | 15.00 | | |
| | Heating | A | 9.10 | 9.90 | 12.00 | | |
| Maximum current | | A | 15.80 | 19.00 | 19.00 | | |
| Max power input | | kW | 3.58 | 4.46 | 4.46 | | |
| Refrigerant circuit data | | | | | | | |
| Refrigerant ⁴ | Type (GWP) | R32 (675) | | | | | |
| Quantity of refrigerant pre-charge | Kg | 1.3 | 1.7 | 1.7 | | | |
| Tons of CO2 equivalent | t | 0.878 | 1.148 | 1.148 | | | |
| Diameter of refrigerant pipings liquid/gas | mm (inches) | ø6.35(1/4") - ø12.7(1/2") | ø6.35 (1/4") - ø15.88 (5/8") | ø6.35 (1/4") - ø15.88 (5/8") | | | |
| Max splitting distance | m | 26 | 25 | 25 | | | |
| Splitting level difference I.U./O.U. | m | 20 | 20 | 20 | | | |
| Splitting distance without additional charge | m | 11 | 10 | 10 | | | |
| Additional charge | g/m | 20 | 20 | 20 | | | |
| Indoor unit specifications | | | | | | | |
| Dimensions | LxDxH | mm | 600x329x1850 | 600x329x1850 | 600x329x1850 | | |
| Net weight | | Kg | 47 | 49 | 49 | | |
| Sound power level | Max | dB(A) | 55 | 65 | 65 | | |
| Sound pressure level | P-Hi/Hi/Me/Lo | dB(A) | 42/39/35/33 | 53/51/49/44 | 53/51/49/44 | | |
| Volume of air treated | P-Hi/Hi/Me/Lo | m ³ /h | 1080/960/840/720 | 1620/1560/1380/1140 | 1620/1560/1380/1140 | | |
| Refrigerant gas leak detector | | | | Included | | | |
| Outdoor unit specifications | | | | | | | |
| Dimensions | LxDxH | mm | 800(+71)x290x640 | 800(+71)x340x750 | 880(+88)x340x750 | | |
| Net weight | | Kg | 45 | 57 | 57 | | |
| Sound power level | Max | dB(A) | 67 | 67 | 68 | | |
| Sound pressure level | Max | dB(A) | 54 | 55 | 56 | | |
| Volume of air treated | Max | m ³ /h | 2520 | 3540 | 3780 | | |
| Operating range (outdoor temperature) | Cooling | °C | | -15~+46 | | | |
| | Heating | °C | | -15~+20 | | | |
| Optional parts | | | | | | | |
| Wi-Fi module | | | | INWFMH1001R100 | | | |
| Human sensor (KIT) | | | | LB-KIT2 | | | |
| SUPERLINK II interface | | | | SC-ADNA-E | | | |
| IR remote control (KIT) | | | | RCN-KIT4-E2 | | | |

1. Value measured according to the harmonised standard EN 14511. 2. EU Regulation No. 206/2012 -- Value measured according to the harmonised standard EN 14825. 3. Delegated Regulation (EU) No 626/2011 regarding the new energy labelling of air conditioners. 4. Refrigerant leakage contributes to climate change. When released into the atmosphere, refrigerants with a lower global warming potential (GWP) contribute less to global warming than those with a higher GWP. This appliance contains a refrigerant with a GWP of 675. If 1 kg of this refrigerant fluid were released into the atmosphere, therefore, the impact on global warming would be 675 times higher than 1 kg of CO₂, over a period of 100 years. Under no circumstances should the user try to intervene on the refrigerant circuit or disassemble the product. Always contact qualified personnel if necessary.