# MONOSPLIT HYPER

## COLUMN R32

FDF 71-100-125-140 VH

OPTIONAL

- Ideal for restaurants, shops and officies applications, without false ceiling or high ceilings
- **100 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 125 VH | FDF 140 VH |
|---|---|---|---|---|---|---|
| Outdoor unit model | | | FDC 71 VNX-W | FDC 100 VSX-W | FDC 125 VSX-W | FDC 140 VSX-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 (3.20~8.00) | 10.00 (3.50~11.20) | 12.50 (3.50~14.00) | 14.00 (3.50~16.00) |
| Rated power input (T=+35°C) | | kW | 1.97 | 2.66 | 3.74 | 4.62 |
| Rated energy efficiency coefficient | | EER[1] | 3.61 | 3.76 | 3.34 | 3.03 |
| Rated capacity (T=+7°C) | Heating | kW | 8.00 (3.60~9.00) | 11.20 (2.70~16.00) | 14.00 (2.70~18.00) | 16.00 (2.70~20.00) |
| Rated power input (T=+7°C) | | kW | 2.21 | 2.95 | 3.88 | 4.70 |
| Rated energy performance coefficient | | COP[1] | 3.62 | 3.80 | 3.61 | 3.41 |
| **Seasonal data** | | | | | | |
| Design load (Pdesignc) | Cooling | kW | 7.10 | 10.00 | 12.50 | 14.00 |
| Seasonal energy efficiency index | | SEER[2] | 6.25 | 6.10 | 5.95 | 5.75 |
| Seasonal energy efficiency class | | 626/2011[3] | A++ | A++ | - | - |
| Annual energy consumption | | kWh/y | 376 | 574 | - | - |
| Design load (Pdesignh) @ -10°C | Heating (average climate conditions) | kW | 6.00 | 11.20 | 14.00 | 16.00 |
| Seasonal energy efficiency index | | SCOP[2] | 4.03 | 3.84 | 3.78 | 3.65 |
| Seasonal energy efficiency class | | 626/2011[3] | A+ | A | - | - |
| Annual energy consumption | | kWh/y | 2085 | 4084 | - | - |
| **Electrical data** | | | | | | |
| Power supply | Outdoor unit | Ph-V-Hz | 1-220~240V-50Hz | 3-380~415V-50Hz | | |
| Power cable | | Type | 3 x 4 mm2 | 5 x 4 mm2 | 5 x 4 mm2 | 5 x 4 mm2 |
| Connection wires between I.U. and O.U. | | nb. | 4 | 4 | 4 | 4 |
| Nominal absorbed current | Cooling | A | 8.70 | 4.60 | 6.10 | 7.40 |
| | Heating | A | 9.90 | 5.00 | 6.40 | 7.70 |
| Maximum current | | A | 19.10 | 14.00 | 14.00 | 14.00 |
| Max power input | | kW | 4.11 | 8.90 | 8.90 | 8.90 |
| **Refrigerant circuit data** | | | | | | |
| Refrigerant[4] | | Type (GWP) | R32 (675) | | | |
| Quantity of refrigerant pre-charge | | Kg | 2.75 | 4 | 4 | 4 |
| Tons of CO2 equivalent | | t | 1.856 | 2.700 | 2.700 | 2.700 |
| Diameter of refrigerant pipings liquid/gas | | mm (inches) | ø9.52 (3/8") - ø15.88(5/8") | ø9.52 (3/8") - ø15.88(5/8") | ø9.52 (3/8") - ø15.88(5/8") | ø9.52 (3/8") - ø15.88(5/8") |
| Splitting distance | Min/Max | m | -/50 | 3/100 | 3/100 | 3/100 |
| Splitting level difference I.U./O.U. | O.U. above/O.U. below | m | 30/15 | 50/15 | 50/15 | 50/15 |
| Splitting distance without additional charge | | m | 30 | 30 | 30 | 30 |
| Additional charge | | g/m | 54 | 54 | 54 | 54 |
| **Indoor unit specifications** | | | | | | |
| Dimensions | LxDxH | mm | 600x329x1850 | 600x329x1850 | 600x329x1850 | 600x329x1850 |
| Net weight | | Kg | 47 | 49 | 49 | 49 |
| Sound power level | Max | dB(A) | 55 | 65 | 67 | 67 |
| Sound pressure level | P-Hi/Hi/Me/Lo | dB(A) | 42/39/35/33 | 53/51/49/44 | 55/51/49/44 | 55/51/49/44 |
| Volume of air treated | P-Hi/Hi/Me/Lo | m3/h | 1080/960/840/720 | 1620/1560/1380/1140 | 1740/1560/1380/1140 | 1740/1560/1380/1140 |
| Refrigerant gas leak detector | | | INCLUDED | | | |
| **Outdoor unit specifications** | | | | | | |
| Dimensions | LxDxH | mm | 880(+88)x340x750 | 970x370x1300 | 970x370x1300 | 970x370x1300 |
| Net weight | | Kg | 60 | 99 | 99 | 99 |
| Sound power level | Max | dB(A) | 66 | 67 | 70 | 71 |
| Sound pressure level | Max | dB(A) | 51 | 53 | 54 | 54 |
| Volume of air treated | Max | m3/h | 3600 | 6000 | 6000 | 6000 |
| Operating range (outdoor temperature) | Cooling | °C | -15~+50 | | | |
| | Heating | °C | -20~+20 | | | |
| **Optional parts** | | | | | | |
| Wi-Fi module | | | INWFIMHI001R100 | | | |
| 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.



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