

# MONOSPLIT HYPER

## CASSETTE 84X84 R32



OPTIONAL



FDT 71-100-125-140 VH  
Standard white panel  
T-PSA-5BW-E



FDT 71-100-125-140 VH  
Anti-draft white panel  
T-PSAE-5BW-E



FDT 71-100-125-140 VH  
Standard black panel  
T-PSA-5BB-E



FDT 71-100-125-140 VH  
Black anti-draft panel  
T-PSAE-5BB-E

| Indoor unit model                            |                                         |                       | FDT 71 VH                                           | FDT 100 VH         | FDT 125 VH                  | FDT 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                               |                    |                             |                    |
| 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                    | 1.69                                                | 2.28               | 3.21                        | 3.87               |
| Rated energy efficiency coefficient          |                                         | EER <sup>1</sup>      | 4.20                                                | 4.38               | 3.89                        | 3.62               |
| 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                    | 1.75                                                | 2.48               | 3.43                        | 4.20               |
| Rated energy performance coefficient         |                                         | COP <sup>1</sup>      | 4.58                                                | 4.52               | 4.08                        | 3.81               |
| Seasonal data                                |                                         |                       |                                                     |                    |                             |                    |
| Design load (Pdesignc)                       | Cooling                                 | kW                    | 7.10                                                | 10.00              | 12.50                       | 14.00              |
| Seasonal energy efficiency index             |                                         | SEER <sup>2</sup>     | 7.60                                                | 8.00               | 7.64                        | 7.20               |
| Seasonal energy efficiency class             |                                         | 626/2011 <sup>3</sup> | A++                                                 | A++                | -                           | -                  |
| Annual energy consumption                    | Heating<br>(average climate conditions) | kWh/y                 | 327                                                 | 438                | -                           | -                  |
| Design load (Pdesignh) @ -10°C               |                                         | kW                    | 5.80                                                | 11.20              | 14.00                       | 16.00              |
| Seasonal energy efficiency index             |                                         | SCOP <sup>2</sup>     | 4.61                                                | 4.44               | 4.26                        | 4.14               |
| Seasonal energy efficiency class             |                                         | 626/2011 <sup>3</sup> | A++                                                 | A+                 | -                           | -                  |
| Annual energy consumption                    |                                         | kWh/y                 | 1762                                                | 3534               | -                           | -                  |
| Electrical data                              |                                         |                       |                                                     |                    |                             |                    |
| Power supply                                 | Outdoor unit                            | Ph-V-Hz               | 1-220~240V-50Hz                                     |                    | 3-380~415V-50Hz             |                    |
| Power cable                                  |                                         | Type                  | 3 x 4 mm <sup>2</sup>                               |                    | 5 x 4 mm <sup>2</sup>       |                    |
| Connection wires between I.U. and O.U.       |                                         | nb.                   | 4                                                   |                    | 4                           |                    |
| Nominal absorbed current                     | Cooling                                 | A                     | 7.50                                                |                    | 5.20                        |                    |
|                                              | Heating                                 | A                     | 7.80                                                |                    | 5.60                        |                    |
| Maximum current                              |                                         | A                     | 19.10                                               |                    | 14.00                       |                    |
| Max power input                              |                                         | kW                    | 4.11                                                |                    | 8.90                        |                    |
| Refrigerant circuit data                     |                                         |                       |                                                     |                    |                             |                    |
| Refrigerant <sup>4</sup>                     |                                         | Type (GWP)            | R32 (675)                                           |                    |                             |                    |
| Quantity of refrigerant pre-charge           |                                         | Kg                    | 2.75                                                |                    | 4                           |                    |
| Tons of CO2 equivalent                       |                                         | t                     | 1.856                                               |                    | 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") |                    |
| Splitting distance                           | Min/Max                                 | m                     | 3/50                                                |                    | 3/100                       |                    |
| Splitting level difference I.U./O.U.         | O.U. above/O.U. below                   | m                     | 30/15                                               |                    | 50/15                       |                    |
| Splitting distance without additional charge |                                         | m                     | 30                                                  |                    | 30                          |                    |
| Additional charge                            |                                         | g/m                   | 54                                                  |                    | 54                          |                    |
| Indoor unit specifications                   |                                         |                       |                                                     |                    |                             |                    |
| Dimensions                                   | LxDxH                                   | mm                    | 840x840x236                                         |                    | 840x840x298                 |                    |
| Net weight                                   |                                         | kg                    | 21                                                  |                    | 25                          |                    |
| Sound power level                            | Max                                     | dB(A)                 | 60                                                  |                    | 64                          |                    |
| Sound pressure level (P-Hi/Hi/Mi/Lo)         | Cooling                                 | dB(A)                 | 46/34/31/26                                         |                    | 47/39/36/30                 |                    |
|                                              | Heating                                 |                       | 47/39/36/29                                         |                    | 48/41/38/31                 |                    |
| Volume of air treated                        | P-Hi/Hi/Me/Lo                           | m³/h                  | 1680/1080/900/720                                   |                    | 2220/1560/1380/1020         |                    |
| Outdoor unit specifications                  |                                         |                       |                                                     |                    |                             |                    |
| Dimensions                                   | LxDxH                                   | mm                    | 880(+88)x340x750                                    |                    | 970x370x1300                |                    |
| Net weight                                   |                                         | Kg                    | 60                                                  |                    | 99                          |                    |
| Sound power level                            | Max                                     | dB(A)                 | 66                                                  |                    | 70                          |                    |
| Sound pressure level                         | Max                                     | dB(A)                 | 51                                                  |                    | 54                          |                    |
| Volume of air treated                        | Max                                     | m³/h                  | 3600                                                |                    | 6000                        |                    |
| Operating range (outdoor temperature)        | Cooling                                 | °C                    | -15~-+50                                            |                    |                             |                    |
|                                              | Heating                                 | °C                    | -20~-+20                                            |                    |                             |                    |
| Accessories                                  |                                         |                       |                                                     |                    |                             |                    |
| Decorative panel                             |                                         |                       | T-PSA-5BW-E (white) / T-PSA-5BB-E (black)           |                    |                             |                    |
| Panel size                                   | LxDxH                                   | mm                    | 950x950x35                                          |                    | 950x950x35                  |                    |
| Net weight                                   |                                         | Kg                    | 5                                                   |                    | 5                           |                    |
| Wired control                                |                                         |                       | RC-E5 (LCD) / RC-EX3A (touch) / RCH-E3 (simplified) |                    |                             |                    |
| IR remote control (corner KIT)               |                                         |                       | RCN-T-5BW-E2 (white) / RCN-T-5BB-E2 (black)         |                    |                             |                    |
| Optional parts                               |                                         |                       |                                                     |                    |                             |                    |
| Wi-Fi module                                 |                                         |                       | INWFIMH001R100                                      |                    |                             |                    |
| Human sensor (corner KIT)                    |                                         |                       | LB-T-5BW-E (white) / LB-T-5BB-E (black)             |                    |                             |                    |
| SUPERLINK II interface                       |                                         |                       | SC-ADNA-E                                           |                    |                             |                    |
| Anti-draft panel                             |                                         |                       | T-PSAE-5BW-E (white) / T-PSAE-5BB-E (black)         |                    |                             |                    |

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 CO<sub>2</sub> 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.