| Information to identify the model(s) to which the information relates to: | |
|---|---|
| Indoor unit model name | **FDUM100VH** |
| Outdoor unit model name | **FDC100VNP-W** |

If function includes heating: Indicate the heating season the information relates to. Indicated values should relate to one heating season at a time. Include at least the heating season 'Average'.

| Function(indicate if present) | |
|---|---|
| cooling | **Yes** |
| heating | **Yes** |

| | |
|---|---|
| Average(mandatory) | **Yes** |
| Warmer(if designated) | **No** |
| Colder(if designated) | **No** |

| Item | symbol | value | unit |
|---|---|---|---|
| Design load | | | |
| cooling | Pdesignc | **10.00** | kW |
| heating / Average | Pdesignh | **6.40** | kW |
| heating / Warmer | Pdesignh | **-** | kW |
| heating / Colder | Pdesignh | **-** | kW |

| Item | symbol | value | class |
|---|---|---|---|
| Seasonal efficiency and energy efficiency class | | | |
| cooling | SEER | **6.11** | A++ |
| heating / Average | SCOP/A | **4.13** | A+ |
| heating / Warmer | SCOP/W | **-** | - |
| heating / Colder | SCOP/C | **-** | - |

| Declared capacity at outdoor temperature Tdesignh | | | |
|---|---|---|---|
| heating / Average (−10℃) | Pdc | **6.40** | kW |
| heating / Warmer (2℃) | Pdc | **-** | kW |
| heating / Colder (−22℃) | Pdc | **-** | kW |

| Back up heating capacity at outdoor temperature Tdesignh | | | unit |
|---|---|---|---|
| heating / Average (−10℃) | elbu | **0** | kW |
| heating / Warmer (2℃) | elbu | **-** | kW |
| heating / Colder (−22℃) | elbu | **-** | kW |

| Declared capacity for cooling, at indoor temperature 27(19)℃ and outdoor temperature Tj | | | |
|---|---|---|---|
| Tj=35℃ | Pdc | **10.00** | kW |
| Tj=30℃ | Pdc | **7.37** | kW |
| Tj=25℃ | Pdc | **4.74** | kW |
| Tj=20℃ | Pdc | **2.30** | kW |

| Declared energy efficiency ratio, at indoor temperature 27(19)℃ and outdoor temperature Tj | | | |
|---|---|---|---|
| Tj=35℃ | EERd | **3.25** | – |
| Tj=30℃ | EERd | **4.33** | – |
| Tj=25℃ | EERd | **6.68** | – |
| Tj=20℃ | EERd | **14.20** | – |

| Declared capacity for heating / Average season, at indoor temperature 20℃ and outdoor temperature Tj | | | |
|---|---|---|---|
| Tj=−7℃ | Pdh | **5.66** | kW |
| Tj=2℃ | Pdh | **3.45** | kW |
| Tj=7℃ | Pdh | **2.22** | kW |
| Tj=12℃ | Pdh | **1.75** | kW |
| Tj=bivalent temperature | Pdh | **6.40** | kW |
| Tj=operating limit | Pdh | **5.90** | kW |

| Declared coefficient of performance / Average season, at indoor temperature 20℃ and outdoor temperature Tj | | | |
|---|---|---|---|
| Tj=−7℃ | COPd | **3.12** | – |
| Tj=2℃ | COPd | **3.97** | – |
| Tj=7℃ | COPd | **5.13** | – |
| Tj=12℃ | COPd | **5.93** | – |
| Tj=bivalent temperature | COPd | **2.55** | – |
| Tj=operating limit | COPd | **2.64** | – |

| Declared capacity for heating / Warmer season, at indoor temperature 20℃ and outdoor temperature Tj | | | |
|---|---|---|---|
| Tj=2℃ | Pdh | **-** | kW |
| Tj=7℃ | Pdh | **-** | kW |
| Tj=12℃ | Pdh | **-** | kW |
| Tj=bivalent temperature | Pdh | **-** | kW |
| Tj=operating limit | Pdh | **-** | kW |

| Declared coefficient of performance / Warmer season, at indoor temperature 20℃ and outdoor temperature Tj | | | |
|---|---|---|---|
| Tj=2℃ | COPd | **-** | – |
| Tj=7℃ | COPd | **-** | – |
| Tj=12℃ | COPd | **-** | – |
| Tj=bivalent temperature | COPd | **-** | – |
| Tj=operating limit | COPd | **-** | – |

| Declared capacity for heating / Colder season, at indoor temperature 20℃ and outdoor temperature Tj | | | |
|---|---|---|---|
| Tj=−7℃ | Pdh | **-** | kW |
| Tj=2℃ | Pdh | **-** | kW |
| Tj=7℃ | Pdh | **-** | kW |
| Tj=12℃ | Pdh | **-** | kW |
| Tj=bivalent temperature | Pdh | **-** | kW |
| Tj=operating limit | Pdh | **-** | kW |
| Tj=−15℃ | Pdh | **-** | kW |

| Declared coefficient of performance / Colder season, at indoor temperature 20℃ and outdoor temperature Tj | | | |
|---|---|---|---|
| Tj=−7℃ | COPd | **-** | – |
| Tj=2℃ | COPd | **-** | – |
| Tj=7℃ | COPd | **-** | – |
| Tj=12℃ | COPd | **-** | – |
| Tj=bivalent temperature | COPd | **-** | – |
| Tj=operating limit | COPd | **-** | – |
| Tj=−15℃ | COPd | **-** | – |

| Bivalent temperature | | | |
|---|---|---|---|
| heating / Average | Tbiv | **-10** | ℃ |
| heating / Warmer | Tbiv | **-** | ℃ |
| heating / Colder | Tbiv | **-** | ℃ |

| Operating limit temperature | | | |
|---|---|---|---|
| heating / Average | Tol | **-15** | ℃ |
| heating / Warmer | Tol | **-** | ℃ |
| heating / Colder | Tol | **-** | ℃ |

| Cycling interval capacity | | | |
|---|---|---|---|
| for cooling | Pcycc | **-** | kW |
| for heating | Pcych | **-** | kW |

| Cycling interval efficiency | | | |
|---|---|---|---|
| for cooling | EERcyc | **-** | – |
| for heating | COPcyc | **-** | – |

| Degradation coefficient | | | |
|---|---|---|---|
| cooling | Cdc | **0.25** | – |

| Degradation coefficient | | | |
|---|---|---|---|
| heating | Cdh | **0.25** | – |

| Electric power input in power modes other than 'active mode' | | | |
|---|---|---|---|
| off mode | Poff | **9** | W |
| standby mode | Psb | **9** | W |
| thermostat-off mode | Pto(cooling) | **50** | W |
| | Pto(heating) | **60** | W |
| crankcase heater mode | Pck | **0** | W |

| Annual electricity consumption | | | |
|---|---|---|---|
| cooling | Qce | **573** | kWh/a |
| heating / Average | Qhe | **2169** | kWh/a |
| heating / Warmer | Qhe | **-** | kWh/a |
| heating / colder | Qhe | **-** | kWh/a |

| Capacity control(indicate one of three options) | |
|---|---|
| fixed | **No** |
| staged | **No** |
| variable | **Yes** |

| Other items | | | |
|---|---|---|---|
| Sound power level(indoor) | Lwa | **65** | dB(A) |
| Sound power level(outdoor) | Lwa | **68** | dB(A) |
| Global warming potential | GWP | **675** | kgCO2eq. |
| Rated air flow(indoor) | – | **2,160** | m3/h |
| Rated air flow(outdoor) | – | **3,780** | m3/h |

| Contact details for obtaining more information | Name and address of the manufacturer or of its authorised representative. |
|---|---|
| | MHIAE SERVICES B.V.<br>Herikerbergweg 238, Luna ArenA, 1101 CM Amsterdam, Netherlands<br>P.O.Box 23393 1100 DW Amsterdam, Netherlands |