

Subtype FDCW71VNX-A

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|---------------------|---|
| Certificate Holder | Mitsubishi Heavy Industries Air Conditioning Europe |
| Address | 5 The Square |
| ZIP | UB11 1ET |
| City | Uxbridge, Middlesex |
| Country | GB |
| Certification Body | RISE CERT |
| Subtype title | FDCW71VNX-A |
| Registration number | 012-SC0825-18 |
| Heat Pump Type | Outdoor Air/Water |
| Refrigerant | R410A |
| Mass of Refrigerant | 2.55 kg |
| Certification Date | 21.01.2019 |

Model FDCW71VNX-A + HSB100

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|-------------------------------------|-----------------------|
| Model name | FDCW71VNX-A + HSB100 |
| Application | Heating (medium temp) |
| Units | Indoor, Outdoor |
| Climate zone (for heating) | n/a |
| Cooling mode application (optional) | n/a |
| Any additional heat sources | n/a |

General data

| | |
|------------------|-------------|
| Power supply | 1x230V 50Hz |
| Off-peak product | n/a |

Outdoor Air/Water

EN 14511-4 | Heating

| | |
|--|--------|
| Shutting off the heat transfer medium flow | passed |
| Complete power supply failure | passed |
| Defrost test | passed |
| Starting and operating test | passed |

EN 12102-1 | Average Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 33 dB(A) | 33 dB(A) |
| Sound power level outdoor | 55 dB(A) | 55 dB(A) |

EN 14825 | Average Climate

| | Low temperature | Medium temperature |
|-----------------|-----------------|--------------------|
| η_s | 149 % | 119 % |
| Prated | 7.10 kW | 7.00 kW |
| SCOP | 3.73 | 2.98 |
| Tbiv | -10 °C | -7 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 6.30 kW | 6.20 kW |
| COP Tj = -7°C | 2.61 | 1.93 |
| Cdh Tj = -7 °C | 0.900 | 0.900 |
| Pdh Tj = +2°C | 3.80 kW | 3.80 kW |
| COP Tj = +2°C | 3.60 | 3.00 |
| Cdh Tj = +2 °C | 0.900 | 0.900 |
| Pdh Tj = +7°C | 2.50 kW | 2.40 kW |
| COP Tj = +7°C | 4.92 | 3.90 |
| Cdh Tj = +7 °C | 0.900 | 0.900 |
| Pdh Tj = 12°C | 2.30 kW | 2.30 kW |
| COP Tj = 12°C | 6.42 | 5.23 |
| Cdh Tj = +12 °C | 0.900 | 0.900 |
| Pdh Tj = Tbiv | 7.10 kW | 6.20 kW |
| COP Tj = Tbiv | 2.34 | 1.93 |

| | | |
|---|-------------|-------------|
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 7.10 kW | 5.30 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.34 | 1.69 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.96 | 0.97 |
| WTOL | 58 °C | 58 °C |
| Poff | 2 W | 2 W |
| PTO | 15 W | 10 W |
| PSB | 15 W | 15 W |
| PCK | 30 W | 30 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 0.00 kW | 1.70 kW |
| Annual energy consumption Qhe | 3856 kWh | 4751 kWh |

Model FDCW71VNX-A + HMA100-S

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|-------------------------------------|--------------------------|
| Model name | FDCW71VNX-A + HMA100-S |
| Application | Heating + DHW + low temp |
| Units | Indoor, Outdoor |
| Climate zone (for heating) | n/a |
| Cooling mode application (optional) | n/a |
| Any additional heat sources | n/a |

General data

| | |
|------------------|-------------|
| Power supply | 1x230V 50Hz |
| Off-peak product | n/a |

Outdoor Air/Water

EN 16147 | Average Climate

| | |
|---------------------------------|------------|
| Declared load profile | XL |
| Efficiency η_{DHW} | 99 % |
| COP | 2.34 |
| Heating up time | 1:20 h:min |
| Standby power input | 85.0 W |
| Reference hot water temperature | 51.0 °C |
| Mixed water at 40°C | 230 l |