## Subtype DVI AW-290-20

| | |
|---|---|
| Certificate Holder | DVI Energi A/S |
| Address | |
| ZIP | |
| City | |
| Country | DK |
| Certification Body | SZU - Strojirensky zkusebni ustav (Engineering Test Institute, Public Enterprise) |
| Subtype title | DVI AW-290-20 |
| Registration number | 037-0176-24 |
| Heat Pump Type | Outdoor Air/Water |
| Refrigerant | R290 |
| Mass of Refrigerant | 1.4 kg |
| Certification Date | 09.05.2024 |
| Testing basis | HP Keymark scheme rules rev. no. 12 |
| Testing laboratory | SZU Brno, CZ |

## Model DVI AW-290-20

| | |
|---|---|
| Model name | DVI AW-290-20 |
| Application | Heating (medium temp) |
| Units | Outdoor |
| Climate zone (for heating) | n/a |
| Cooling mode application (optional) | n/a |
| Any additional heat sources | n/a |

## General data

| | |
|---|---|
| Power supply | 3x400V 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 14511-2 | Heating

| | Low temperature | Medium temperature |
|---|---|---|
| Heat output | 22.20 kW | 20.60 kW |
| El input | 6.67 kW | 7.60 kW |
| COP | 3.32 | 2.71 |

### EN 12102-1 | Average Climate

| | Low temperature | Medium temperature |
|---|---|---|
| Sound power level outdoor | 57 dB(A) | 57 dB(A) |

### EN 14825 | Average Climate

| | Low temperature | Medium temperature |
|---|---|---|
| ηs | 177 % | 132 % |
| Prated | 15.08 kW | 13.51 kW |
| SCOP | 4.49 | 3.37 |
| Tbiv | -10 °C | -10 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 12.91 kW | 11.65 kW |
| COP Tj = -7°C | 3.08 | 2.24 |
| Cdh Tj = -7 °C | 0.900 | 0.900 |
| Pdh Tj = +2°C | 9.40 kW | 6.62 kW |
| COP Tj = +2°C | 4.19 | 3.13 |
| Cdh Tj = +2 °C | 0.900 | 0.900 |
| Pdh Tj = +7°C | 4.94 kW | 4.51 kW |
| COP Tj = +7°C | 6.01 | 4.82 |

| | | |
|---|---|---|
| Cdh Tj = +7 °C | 0.900 | 0.900 |
| Pdh Tj = 12°C | 5.32 kW | 5.29 kW |
| COP Tj = 12°C | 7.04 | 4.50 |
| Cdh Tj = +12 °C | 0.998 | 0.998 |
| Pdh Tj = Tbiv | 15.08 kW | 13.51 kW |
| COP Tj = Tbiv | 2.70 | 2.21 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 15.08 kW | 13.51 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.70 | 2.21 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.900 | 0.900 |
| WTOL | 70 °C | 70 °C |
| Poff | 8 W | 8 W |
| PTO | 8 W | 8 W |
| PSB | 8 W | 8 W |
| PCK | W | W |
| Supplementary Heater: Type of energy input | n/a | n/a |
| Supplementary Heater: PSUP | kW | kW |
| Annual energy consumption Qhe | 6938 kWh | 8292 kWh |