

Subtype EVI DC Inverter Heat Pump 50/60 B

| | |
|---------------------|--|
| Certificate Holder | Power World Machinery Equipment Co. Ltd |
| Address | No.24, The Fourth Industrial Zone, HouTing Street |
| ZIP | |
| City | Shenzhen |
| Country | CN |
| Certification Body | BRE Global Limited |
| Subtype title | EVI DC Inverter Heat Pump 50/60 B |
| Registration number | 041-K032-06 |
| Heat Pump Type | Outdoor Air/Water |
| Refrigerant | R32 |
| Mass of Refrigerant | 2.7 kg |
| Certification Date | 19.01.2023 |
| Testing basis | Heat Pump Keymark Scheme Rules Rev 11 |
| Testing laboratory | TÜV SÜD Certification and Testing Co., Ltd. Guangzhou Branch, CN |

Model PW050-DKZLRS-B

| | |
|-------------------------------------|-----------------------|
| Model name | PW050-DKZLRS-B |
| Application | Heating (medium temp) |
| Units | Outdoor |
| Climate zone (for heating) | n/a |
| Reversibility | Yes |
| 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 | 15.25 kW | 14.85 kW |
| El input | 3.26 kW | 5.41 kW |
| COP | 4.67 | 2.74 |

EN 12102-1 | Average Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level outdoor | 69 dB(A) | 73 dB(A) |

EN 14825 | Average Climate

| | Low temperature | Medium temperature |
|----------------|-----------------|--------------------|
| η_s | 180 % | 135 % |
| Prated | 15.51 kW | 14.66 kW |
| SCOP | 4.57 | 3.45 |
| Tbiv | -7 °C | -7 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 13.72 kW | 12.97 kW |
| COP Tj = -7°C | 3.31 | 2.21 |
| Cdh Tj = -7 °C | 0.900 | 0.900 |
| Pdh Tj = +2°C | 8.35 kW | 7.94 kW |
| COP Tj = +2°C | 4.49 | 3.50 |
| Cdh Tj = +2 °C | 0.900 | 0.900 |
| Pdh Tj = +7°C | 7.76 kW | 7.68 kW |

| | | |
|---|-------------|-------------|
| COP Tj = +7°C | 5.88 | 4.42 |
| Cdh Tj = +7 °C | 0.900 | 0.900 |
| Pdh Tj = 12°C | 10.68 kW | 8.83 kW |
| COP Tj = 12°C | 7.39 | 5.96 |
| Cdh Tj = +12 °C | 0.900 | 0.900 |
| Pdh Tj = Tbiv | 13.72 kW | 12.97 kW |
| COP Tj = Tbiv | 3.31 | 2.21 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 15.57 kW | 14.41 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.74 | 2.01 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.900 | 0.900 |
| WTOL | 50 °C | 50 °C |
| Poff | 5 W | 5 W |
| PTO | 13 W | 13 W |
| PSB | 5 W | 5 W |
| PCK | 31 W | 31 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 0.00 kW | 0.25 kW |
| Annual energy consumption Qhe | 7016 kWh | 8780 kWh |

Model PW060-DKZLRS-B

| | |
|-------------------------------------|-----------------------|
| Model name | PW060-DKZLRS-B |
| Application | Heating (medium temp) |
| Units | Outdoor |
| Climate zone (for heating) | n/a |
| Reversibility | Yes |
| 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 | 17.99 kW | 17.49 kW |
| El input | 4.15 kW | 4.77 kW |
| COP | 4.34 | 3.67 |

EN 12102-1 | Average Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level outdoor | 70 dB(A) | 72 dB(A) |

EN 14825 | Average Climate

| | Low temperature | Medium temperature |
|----------------|-----------------|--------------------|
| η_s | 178 % | 130 % |
| Prated | 16.22 kW | 16.52 kW |
| SCOP | 4.53 | 3.33 |
| Tbiv | -7 °C | -7 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 14.35 kW | 14.61 kW |
| COP Tj = -7°C | 3.38 | 2.16 |
| Cdh Tj = -7 °C | 0.900 | 0.900 |
| Pdh Tj = +2°C | 8.78 kW | 8.90 kW |
| COP Tj = +2°C | 4.49 | 3.37 |
| Cdh Tj = +2 °C | 0.900 | 0.900 |
| Pdh Tj = +7°C | 7.86 kW | 7.47 kW |

| | | |
|---|-------------|-------------|
| COP Tj = +7°C | 5.49 | 4.23 |
| Cdh Tj = +7 °C | 0.900 | 0.900 |
| Pdh Tj = 12°C | 9.40 kW | 9.13 kW |
| COP Tj = 12°C | 7.20 | 5.67 |
| Cdh Tj = +12 °C | 0.900 | 0.900 |
| Pdh Tj = Tbiv | 14.35 kW | 14.61 kW |
| COP Tj = Tbiv | 3.38 | 2.16 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 16.16 kW | 12.99 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.95 | 1.86 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.900 | 0.900 |
| WTOL | 50 °C | 50 °C |
| Poff | 5 W | 5 W |
| PTO | 14 W | 14 W |
| PSB | 5 W | 5 W |
| PCK | 32 W | 32 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 0.06 kW | 3.53 kW |
| Annual energy consumption Qhe | 7404 kWh | 10257 kWh |