

Subtype i-HPV5H 0140

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|---------------------|---------------------------------|
| Certificate Holder | Advantix S.p.A. |
| Address | Via San Giuseppe Lavoratore, 24 |
| ZIP | 37040 |
| City | Arcole Verona |
| Country | IT |
| Certification Body | ICIM S.p.A. |
| Subtype title | i-HPV5H 0140 |
| Registration number | ICIM-PDC-000133 |
| Heat Pump Type | Outdoor Air/Water |
| Refrigerant | R32 |
| Mass of Refrigerant | 6.5 kg |
| Certification Date | 25.02.2022 |
| Testing basis | Heat Pump KEYMARK V9 |

Model i-HPV5H 0140

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|-------------------------------------|-----------------------|
| Model name | i-HPV5H 0140 |
| Application | Heating (medium temp) |
| Units | Outdoor |
| Climate zone (for heating) | n/a |
| Reversibility | Yes |
| Cooling mode application (optional) | +7°C/12°C |
| 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 | 40.00 kW | 38.40 kW |
| El input | 9.84 kW | 14.20 kW |
| COP | 4.07 | 2.70 |

EN 14511-2 | Cooling

| | | |
|------------------|------------|-------------|
| | +7°C/+12°C | +18°C/+23°C |
| El input | 9.53 kW | |
| Cooling capacity | 29.60 | |
| EER | 3.11 | |

EN 12102-1 | Average Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level outdoor | 74 dB(A) | 74 dB(A) |

EN 14825 | Average Climate

| | Low temperature | Medium temperature |
|--------|-----------------|--------------------|
| ηs | 167 % | 126 % |
| Prated | 31.00 kW | 29.00 kW |
| SCOP | 4.25 | 3.23 |
| Tbiv | -7 °C | -7 °C |
| TOL | -10 °C | -9 °C |

| | | |
|---|-------------|-------------|
| Pdh Tj = -7°C | 27.10 kW | 25.80 kW |
| COP Tj = -7°C | 2.49 | 1.72 |
| Cdh Tj = -7 °C | 1.000 | 1.000 |
| Pdh Tj = +2°C | 17.60 kW | 17.10 kW |
| COP Tj = +2°C | 4.23 | 3.10 |
| Cdh Tj = +2 °C | 1.000 | 1.000 |
| Pdh Tj = +7°C | 18.00 kW | 20.20 kW |
| COP Tj = +7°C | 5.54 | 4.59 |
| Cdh Tj = +7 °C | 1.000 | 1.000 |
| Pdh Tj = 12°C | 20.20 kW | 22.90 kW |
| COP Tj = 12°C | 7.11 | 7.25 |
| Cdh Tj = +12 °C | 1.000 | 1.000 |
| Pdh Tj = Tbiv | 27.10 kW | 25.80 kW |
| COP Tj = Tbiv | 2.49 | 1.72 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 26.90 kW | 25.50 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.17 | 1.51 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 1.000 | 1.000 |
| WTOL | 58 °C | 58 °C |
| Poff | 22 W | 22 W |
| PTO | 22 W | 22 W |
| PSB | 22 W | 22 W |
| PCK | 38 W | 38 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 4.10 kW | 29.00 kW |
| Annual energy consumption Qhe | 14894 kWh | 18669 kWh |

EN 14825 | Cooling

| | +7°C/+12°C | +18°C/+23°C |
|----------------|------------|-------------|
| Pdesignc | 29.60 kW | |
| SEER | 4.80 | |
| Pdc Tj = 35°C | 29.60 kW | |
| EER Tj = 35°C | 3.11 | |
| Cdc Tj = 35 °C | 1.000 | |
| Pdc Tj = 30°C | 21.70 kW | |
| EER Tj = 30°C | 4.14 | |
| Cdc Tj = 30 °C | 1.000 | |
| Pdc Tj = 25°C | 15.00 kW | |
| EER Tj = 25°C | 5.00 | |
| Cdc Tj = 25 °C | 1.000 | |
| Pdc Tj = 20°C | 16.19 kW | |
| EER Tj = 20°C | 6.57 | |
| Cdc Tj = 20 °C | 1.000 | |
| Poff | 22 W | |

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|-------------------------------|----------|
| PTO | 0 W |
| PSB | 28 W |
| PCK | 0 W |
| Annual energy consumption Qce | 3700 kWh |