

Subtype i-SHWAK V4 16

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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-SHWAK V4 16 |
| Registration number | ICIM-PDC-000080-00 |
| Heat Pump Type | Outdoor Air/Water |
| Refrigerant | R410A |
| Mass of Refrigerant | 4.6 kg |
| Certification Date | 26.05.2020 |
| Testing basis | HP KEYMARK certification scheme rules rev. no. 7 |

| Model i-SHWAK V4 16 | | |
|--|-----------------------|--------------------|
| Model name | i-SHWAK V4 16 | |
| Application | Heating (medium temp) | |
| Units | Indoor, Outdoor | |
| Climate zone (for heating) | n/a | |
| Reversibility | Yes | |
| Cooling mode application (optional) | +7°C/12°C | |
| Any additional heat sources | n/a | |
| Phase-out Date | 21.07.2024 | |
| 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 14511-2 Heating | | |
| | Low temperature | Medium temperature |
| Heat output | 15.21 kW | 14.80 kW |
| El input | 3.52 kW | 5.35 kW |
| COP | 4.32 | 2.76 |
| EN 14511-2 Cooling | | |
| | +7°C/+12°C | +18°C/+23°C |
| El input | 4.52 kW | |
| Cooling capacity | 14.65 | |
| EER | 3.24 | |
| EN 12102-1 Average Climate | | |
| | Low temperature | Medium temperature |
| Sound power level indoor | 40 dB(A) | 40 dB(A) |
| Sound power level outdoor | 68 dB(A) | 68 dB(A) |
| EN 14825 Average Climate | | |
| | Low temperature | Medium temperature |
| ηs | 157 % | 123 % |
| Prated | 10.00 kW | 9.00 kW |
| SCOP | 4.00 | 3.14 |
| Tbiv | -7 °C | -7 °C |

| | | |
|---|----------|----------|
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 9.80 kW | 9.10 kW |
| COP Tj = -7°C | 2.55 | 1.65 |
| Cdh Tj = -7 °C | 1.00 | 1.00 |
| Pdh Tj = +2°C | 6.00 kW | 6.40 kW |
| COP Tj = +2°C | 4.02 | 3.08 |
| Cdh Tj = +2 °C | 1.00 | 1.00 |
| Pdh Tj = +7°C | 6.90 kW | 7.60 kW |
| COP Tj = +7°C | 5.11 | 4.43 |
| Cdh Tj = +7 °C | 1.00 | 1.00 |
| Pdh Tj = 12°C | 7.80 kW | 7.90 kW |
| COP Tj = 12°C | 5.42 | 6.50 |
| Cdh Tj = +12 °C | 1.00 | 1.00 |
| Pdh Tj = Tbiv | 9.80 kW | 9.10 kW |
| COP Tj = Tbiv | 2.55 | 1.65 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 8.70 kW | 7.40 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.22 | 1.30 |
| WTOL | 39 °C | 39 °C |
| Poff | 0 W | 0 W |
| PTO | 11 W | 11 W |
| PSB | 11 W | 11 W |
| PCK | 0 W | 0 W |
| Supplementary Heater: Type of energy input | n/a | n/a |
| Supplementary Heater: PSUP | 0.00 kW | 0.00 kW |
| Annual energy consumption Qhe | 3888 kWh | 4576 kWh |

EN 14825 | Cooling

| | | |
|----------------|------------|-------------|
| | +7°C/+12°C | +18°C/+23°C |
| Pdesignc | 14.65 kW | |
| SEER | 5.06 | |
| Pdc Tj = 35°C | 14.65 kW | |
| EER Tj = 35°C | 3.24 | |
| Pdc Tj = 30°C | 10.79 kW | |
| EER Tj = 30°C | 4.71 | |
| Cdc Tj = 30 °C | 1.0 | |
| Pdc Tj = 25°C | 6.93 kW | |
| EER Tj = 25°C | 5.81 | |
| Cdc Tj = 25 °C | 1.0 | |
| Pdc Tj = 20°C | 7.03 kW | |
| EER Tj = 20°C | 6.28 | |
| Cdc Tj = 20 °C | 1.0 | |
| Poff | 12 W | |
| PTO | 0 W | |
| PSB | 12 W | |

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| PCK | 0 W |
| Annual energy consumption Qce | 1013 kWh |

| Model i-SHWAK V4 16T | | |
|--|-----------------------|--------------------|
| Model name | i-SHWAK V4 16T | |
| Application | Heating (medium temp) | |
| Units | Indoor, Outdoor | |
| Climate zone (for heating) | n/a | |
| Reversibility | Yes | |
| Cooling mode application (optional) | +7°C/12°C | |
| Any additional heat sources | n/a | |
| Phase-out Date | 21.07.2024 | |
| General data | | |
| Power supply | 3x230V 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 | 15.21 kW | 14.80 kW |
| El input | 3.52 kW | 5.35 kW |
| COP | 4.32 | 2.76 |
| EN 14511-2 Cooling | | |
| | +7°C/+12°C | +18°C/+23°C |
| El input | 4.52 kW | |
| Cooling capacity | 14.65 | |
| EER | 3.24 | |
| EN 12102-1 Average Climate | | |
| | Low temperature | Medium temperature |
| Sound power level indoor | 40 dB(A) | 40 dB(A) |
| Sound power level outdoor | 68 dB(A) | 68 dB(A) |
| EN 14825 Average Climate | | |
| | Low temperature | Medium temperature |
| ηs | 157 % | 123 % |
| Prated | 10.00 kW | 9.00 kW |
| SCOP | 4.00 | 3.14 |
| Tbiv | -7 °C | -7 °C |

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| Cdh Tj = +2 °C | 1.00 | 1.00 |
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| Pdh Tj = 12°C | 7.80 kW | 7.90 kW |
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| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.22 | 1.30 |
| WTOL | 39 °C | 39 °C |
| Poff | 0 W | 0 W |
| PTO | 11 W | 11 W |
| PSB | 11 W | 11 W |
| PCK | 0 W | 0 W |
| Supplementary Heater: Type of energy input | n/a | n/a |
| Supplementary Heater: PSUP | 0.00 kW | 0.00 kW |
| Annual energy consumption Qhe | 3888 kWh | 4576 kWh |

EN 14825 | Cooling

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| SEER | 5.06 | |
| Pdc Tj = 35°C | 14.65 kW | |
| EER Tj = 35°C | 3.24 | |
| Pdc Tj = 30°C | 10.79 kW | |
| EER Tj = 30°C | 4.71 | |
| Cdc Tj = 30 °C | 1.0 | |
| Pdc Tj = 25°C | 6.93 kW | |
| EER Tj = 25°C | 5.81 | |
| Cdc Tj = 25 °C | 1.0 | |
| Pdc Tj = 20°C | 7.03 kW | |
| EER Tj = 20°C | 6.28 | |
| Cdc Tj = 20 °C | 1.0 | |
| Poff | 12 W | |
| PTO | 0 W | |
| PSB | 12 W | |

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| PCK | 0 W |
| Annual energy consumption Qce | 1013 kWh |