

Subtype i-SHWAK V4 14

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 14
Registration number	ICIM-PDC-000079-00
Heat Pump Type	Outdoor Air/Water
Refrigerant	R410A
Mass of Refrigerant	4.4 kg
Certification Date	26.05.2020
Testing basis	HP KEYMARK certification scheme rules rev. no. 7

Model i-SHWAK V4 14		
Model name	i-SHWAK V4 14	
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	13.76 kW	12.53 kW
El input	3.26 kW	4.89 kW
COP	4.22	2.56
EN 14511-2 Cooling		
	+7°C/+12°C	+18°C/+23°C
El input	3.70 kW	
Cooling capacity	11.46	
EER	3.10	
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	153 %	117 %
Prated	10.00 kW	9.00 kW
SCOP	3.89	3.01
Tbiv	-7 °C	-7 °C

TOL	-10 °C	-10 °C
Pdh Tj = -7°C	9.70 kW	9.30 kW
COP Tj = -7°C	2.50	1.80
Cdh Tj = -7 °C	1.00	1.00
Pdh Tj = +2°C	6.80 kW	5.70 kW
COP Tj = +2°C	4.08	3.04
Cdh Tj = +2 °C	1.00	1.00
Pdh Tj = +7°C	4.80 kW	4.70 kW
COP Tj = +7°C	4.20	3.52
Cdh Tj = +7 °C	1.00	1.00
Pdh Tj = 12°C	6.80 kW	7.00 kW
COP Tj = 12°C	6.70	6.30
Cdh Tj = +12 °C	1.00	1.00
Pdh Tj = Tbiv	9.70 kW	9.30 kW
COP Tj = Tbiv	2.50	1.80
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	8.90 kW	8.30 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.20	1.51
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	3958 kWh	4883 kWh

EN 14825 | Cooling

	+7°C/+12°C	+18°C/+23°C
Pdesignc	11.46 kW	
SEER	4.99	
Pdc Tj = 35°C	11.46 kW	
EER Tj = 35°C	3.10	
Pdc Tj = 30°C	8.44 kW	
EER Tj = 30°C	4.48	
Cdc Tj = 30 °C	1.0	
Pdc Tj = 25°C	5.42 kW	
EER Tj = 25°C	5.89	
Cdc Tj = 25 °C	1.0	
Pdc Tj = 20°C	5.73 kW	
EER Tj = 20°C	6.59	
Cdc Tj = 20 °C	1.0	
Poff	12 W	
PTO	0 W	
PSB	12 W	

PCK	0 W
Annual energy consumption Qce	804 kWh

Model i-SHWAK V4 14T		
Model name	i-SHWAK V4 14T	
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	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	13.76 kW	12.53 kW
El input	3.26 kW	4.89 kW
COP	4.22	2.56
EN 14511-2 Cooling		
	+7°C/+12°C	+18°C/+23°C
El input	3.70 kW	
Cooling capacity	11.46	
EER	3.10	
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
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Prated	10.00 kW	9.00 kW
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PSB	11 W	11 W
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Cdc Tj = 20 °C	1.0	
Poff	12 W	
PTO	0 W	
PSB	12 W	

PCK	0 W
Annual energy consumption Qce	804 kWh