

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
η_s	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 Q_{ce}	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		
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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		
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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