

Summary of	i-SHWAK V4 14	Reg. No.	ICIM-PDC-000079-00
Certificate Holder			
Name	Advantix S.p.A.		
Address	Via San Giuseppe Lavoratore, 24	Zip	37040
City	Arcole Verona	Country	Italy
Certification Body	ICIM S.p.A.		
Name of testing laboratory	ReLab - Politecnico di Milano		
Subtype title	i-SHWAK V4 14		
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

General Data	
Power supply	1x230V 50Hz

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	13.76 kW	12.53 kW
El input	3.26 kW	4.89 kW
СОР	4.22	2.56
Indoor water flow rate	2.37 m³/h	1.35 m³/h

EN 14511-4		
Shutting off the heat transfer medium flow	passed	
Complete power supply failure	passed	
Defrost test	passed	
Starting and operating test	passed	

Average Climate



EN 12102-1		
	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			
	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	1.00	1.00	
Pdh Tj = +2°C	6.80 kW	5.70 kW	
COP Tj = +2°C	4.08	3.04	
Cdh	1.00	1.00	
Pdh Tj = +7°C	4.80 kW	4.70 kW	
COP Tj = +7°C	4.20	3.52	
Cdh	1.00	1.00	

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Pdh Tj = 12°C	6.80 kW	7.00 kW
COP Tj = 12°C	6.70	6.30
Cdh	1.00	1.00
Pdh Tj = Tbiv	9.70 kW	9.30 kW
COP Tj = Tbiv	2.50	1.80
Pdh Tj = TOL	8.90 kW	8.30 kW
COP Tj = TOL	2.20	1.51
WTOL	39 °C	39 °C
Poff	o w	0 W
РТО	11 W	11 W
PSB	11 W	11 W
PCK	o w	0 W
Supplementary Heater: Type of energy input	0	0
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	3958 kWh	4883 kWh

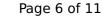
Cooling





EN 14511-2		
	+7°C/+12°C	
El input	3.70 kW	
Indoor water flow rate	1.97 m³/h	
Cooling capacity	11.46	
EER	3.10	

EN 14825





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	+7°C/+12°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	1.0	
Pdc Tj = 25°C	5.42 kW	
EER Tj = 25°C	5.89	
Cdc	1.0	
Pdc Tj = 20°C	5.73 kW	
EER Tj = 20°C	6.59	
Cdc	1.0	
Poff	12 W	
РТО	0 W	
PSB	12 W	
PCK	0 W	
Annual energy consumption Qce	804 kWh	



Model: i-SHWAK V4 14T

General Data	
Power supply	3x400V 50Hz

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	13.76 kW	12.53 kW
El input	3.26 kW	4.89 kW
СОР	4.22	2.56
Indoor water flow rate	2.37 m³/h	1.35 m³/h

EN 14511-4		
Shutting off the heat transfer medium flow	passed	
Complete power supply failure	passed	
Defrost test	passed	
Starting and operating test	passed	

Average Climate



EN 12102-1		
	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				
	Low temperature	Medium temperature		
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Cdh	1.00	1.00		

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Poff	o w	0 W
РТО	11 W	11 W
PSB	11 W	11 W
PCK	o w	0 W
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Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	3958 kWh	4883 kWh

Cooling





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EN 14825



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EER Tj = 35°C	3.10
Pdc Tj = 30°C	8.44 kW
EER Tj = 30°C	4.48
Cdc	1.0
Pdc Tj = 25°C	5.42 kW
EER Tj = 25°C	5.89
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Pdc Tj = 20°C	5.73 kW
EER Tj = 20°C	6.59
Cdc	1.0
Poff	12 W
РТО	o w
PSB	12 W
PCK	0 W
Annual energy consumption Qce	804 kWh