

Summary of	i-SHWAK V4 16	Reg. No.	ICIM-PDC-000080-00	
Certificate Holder				
Name	Advantix S.p.A.	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 16			
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

General Data	
Power supply	1x230V 50Hz

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	15.21 kW	14.80 kW
El input	3.52 kW	5.35 kW
СОР	4.32	2.76
Indoor water flow rate	2.62 m³/h	1.59 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}	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	1.00	1.00	
Pdh Tj = +2°C	6.00 kW	6.40 kW	
COP Tj = +2°C	4.02	3.08	
Cdh	1.00	1.00	
Pdh Tj = +7°C	6.90 kW	7.60 kW	
COP Tj = +7°C	5.11	4.43	
Cdh	1.00	1.00	

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This information was generated by the fir RETT into adaptase on 17 Bee 2020				
Pdh Tj = 12°C	7.80 kW	7.90 kW		
COP Tj = 12°C	5.42	6.50		
Cdh	1.00	1.00		
Pdh Tj = Tbiv	9.80 kW	9.10 kW		
COP Tj = Tbiv	2.55	1.65		
Pdh Tj = TOL	8.70 kW	7.40 kW		
COP Tj = TOL	2.22	1.30		
WTOL	39 °C	39 °C		
Poff	0 W	0 W		
РТО	11 W	11 W		
PSB	11 W	11 W		
PCK	0 W	0 W		
Supplementary Heater: Type of energy input	0	0		
Supplementary Heater: PSUP	0.00 kW	0.00 kW		
Annual energy consumption Qhe	3888 kWh	4576 kWh		

Cooling

EN 14825





This information was generated by the fir KE	+7°C/+12°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	1.0
Pdc Tj = 25°C	6.93 kW
EER Tj = 25°C	5.81
Cdc	1.0
Pdc Tj = 20°C	7.03 kW
EER Tj = 20°C	6.28
Cdc	1.0
Poff	12 W
РТО	o w
PSB	12 W
PCK	0 W
Annual energy consumption Qce	1013 kWh





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EN 14511-2	
	+7°C/+12°C
El input	4.52 kW
Indoor water flow rate	2.52 m³/h
Cooling capacity	14.65
EER	3.24



Model: i-SHWAK V4 16T

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Heating

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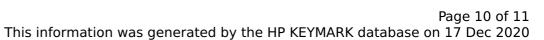
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11 W	11 W
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0 W	o w
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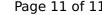
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