

Page 1 of 11

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Login

Summary of	i-SHWAK V4 16	Reg. No.	ICIM-PDC-000080-00	
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.			
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

Configure model		
Model name	i-SHWAK V4 16	
Application	Heating (medium temp)	
Units	Indoor + Outdoor	
Climate Zone	n/a	
Reversibility	Yes	
Cooling mode application (optional)	+7°C/12°C	

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

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 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 = $+7^{\circ}$ C	6.90 kW	7.60 kW
COP Tj = +7°C	5.11	4.43
Cdh Tj = +7 °C	1.00	1.00

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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	o w	o w
РТО	11 W	11 W
PSB	11 W	11 W
PCK	o w	o 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

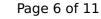
Cooling

EN 14825





This information was generated by the Till 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





EN 14511-2		
+7°C/+12°C		
El input	4.52 kW	
Cooling capacity	14.65	
EER	3.24	



Model: i-SHWAK V4 16T

Configure model		
Model name	i-SHWAK V4 16T	
Application	Heating (medium temp)	
Units	Indoor + Outdoor	
Climate Zone	n/a	
Reversibility	Yes	
Cooling mode application (optional)	+7°C/12°C	

General Data		
Power supply	3x230V 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

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

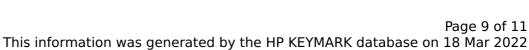
Average Climate



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EN 14825		
	Low temperature	Medium temperature
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Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	3888 kWh	4576 kWh

Cooling

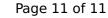
CEN heat pump KEYMARK

EN 14825





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Poff	12 W
РТО	0 W
PSB	12 W
PCK	0 W
Annual energy consumption Qce	1013 kWh





EN 14511-2	
	+7°C/+12°C
El input	4.52 kW
Cooling capacity	14.65
EER	3.24