

Page 1 of 11

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Login

Summary of	i-SHWAK V4 14	Reg. No.	ICIM-PDC-000079-00
Certificate Holder	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 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

Configure model		
Model name	i-SHWAK V4 14	
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	13.76 kW	12.53 kW
El input	3.26 kW	4.89 kW
СОР	4.22	2.56

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

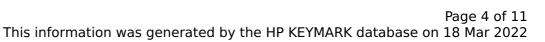
Average Climate



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 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

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	CEN heat pump
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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	o w	0 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	3958 kWh	4883 kWh

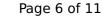
Cooling





EN 14511-2	
+7°C/+12°C	
El input	3.70 kW
Cooling capacity	11.46
EER	3.10

EN 14825





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Annual energy consumption Qce	804 kWh
PCK	o w
PSB	12 W
РТО	0 W
Poff	12 W
Cdc	1.0
EER Tj = 20°C	6.59
Pdc Tj = 20°C	5.73 kW
Cdc	1.0
EER Tj = 25°C	5.89
Pdc Tj = 25°C	5.42 kW
Cdc	1.0
EER Tj = 30°C	4.48
Pdc Tj = 30°C	8.44 kW
EER Tj = 35°C	3.10
Pdc Tj = 35°C	11.46 kW



Model: i-SHWAK V4 14T

Configure model		
Model name	i-SHWAK V4 14T	
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 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

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

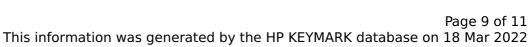
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	Low temperature	Medium temperature
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EN 14825		
	Low temperature	Medium temperature
η_{s}	153 %	117 %
Prated	10.00 kW	9.00 kW
SCOP	3.89	3.01
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	9.70 kW	9.30 kW
COP Tj = -7°C	2.50	1.80
Cdh Tj = -7 °C	1.00	1.00
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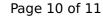
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	CEN heat pump KEYMARK
5	

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Supplementary Heater: Type of energy input	n/a	n/a
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EN 14825



Page 11 of 11 This information was generated by the HP KEYMARK database on 18 Mar 2022

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SEER	4.99
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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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