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Login

Summary of	i-SHWAK V4 10/12	Reg. No.	ICIM-PDC-000078-00	
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 10/12			
Heat Pump Type	Outdoor Air/Water			
Refrigerant	R410A			
Mass of Refrigerant	3.45 kg			
Certification Date	26.05.2020			
Testing basis	HP KEYMARK certification scheme rules rev. no. 7			



Model: i-SHWAK V4 10

Configure model		
Model name	i-SHWAK V4 10	
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	10.00 kW	9.01 kW
El input	2.30 kW	3.89 kW
СОР	4.34	2.32

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

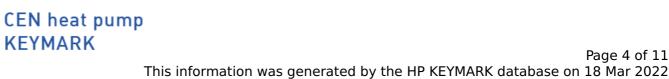
Average Climate



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	39 dB(A)	39 dB(A)
Sound power level outdoor	64 dB(A)	64 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{s}	161 %	123 %
Prated	6.00 kW	6.00 kW
SCOP	4.10	3.16
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	6.30 kW	5.50 kW
COP Tj = -7°C	2.59	1.65
Cdh Tj = -7 °C	1.00	1.00
Pdh Tj = $+2$ °C	4.30 kW	4.00 kW
COP Tj = +2°C	3.95	3.15
Cdh Tj = +2 °C	1.00	1.00
Pdh Tj = +7°C	5.30 kW	5.00 kW
COP Tj = +7°C	5.38	4.45
Cdh Tj = +7 °C	1.00	1.00

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Pdh Tj = 12°C	5.50 kW	5.30 kW
COP Tj = 12°C	7.15	6.02
Cdh Tj = +12 °C	1.00	1.00
Pdh Tj = Tbiv	6.30 kW	5.50 kW
COP Tj = Tbiv	2.59	1.65
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.60 kW	4.70 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.44	1.25
WTOL	39 °C	39 °C
Poff	0 W	0 W
РТО	11 W	11 W
PSB	11 W	11 W
PCK	o 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	2417 kWh	2755 kWh

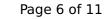
Cooling





EN 14511-2		
+7°C/+12°C		
El input	2.43 kW	
Cooling capacity	7.56	
EER	3.11	

EN 14825





	+7°C/+12°C
Pdesignc	7.56 kW
SEER	4.91
Pdc Tj = 35°C	7.56 kW
EER Tj = 35°C	3.11
Pdc Tj = 30°C	5.57 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	539 kWh



Model: i-SHWAK V4 12

Configure model		
Model name	i-SHWAK V4 12	
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	12.10 kW	10.06 kW
El input	2.95 kW	3.90 kW
СОР	4.10	2.58

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

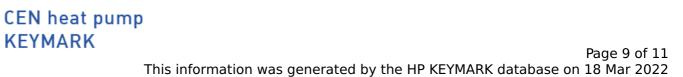
Average Climate



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	39 dB(A)	39 dB(A)
Sound power level outdoor	65 dB(A)	65 dB(A)

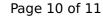
EN 14825		
	Low temperature	Medium temperature
η_{s}	168 %	126 %
Prated	7.00 kW	7.00 kW
SCOP	4.28	3.23
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	7.40 kW	6.70 kW
COP Tj = -7°C	2.73	2.00
Cdh Tj = -7 °C	1.00	1.00
Pdh Tj = +2°C	5.70 kW	4.70 kW
COP Tj = +2°C	4.34	3.18
Cdh Tj = +2 °C	1.00	1.00
Pdh Tj = +7°C	4.00 kW	6.00 kW
COP Tj = +7°C	5.15	4.19
Cdh Tj = +7 °C	1.00	1.00

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Pdh Tj = 12°C	4.70 kW	6.90 kW
COP Tj = 12°C	6.78	5.27
Cdh Tj = +12 °C	1.00	1.00
Pdh Tj = Tbiv	7.40 kW	6.70 kW
COP Tj = Tbiv	2.73	2.00
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.60 kW	5.70 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.38	1.59
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	2736 kWh	3267 kWh

Cooling





EN 14511-2	
	+7°C/+12°C
El input	2.74 kW
Cooling capacity	8.49
EER	3.10

EN 14825



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This information was generated by t	+7°C/+12°C
Pdesignc	8.49 kW
SEER	4.93
Pdc Tj = 35°C	8.49 kW
EER Tj = 35°C	3.10
Pdc Tj = 30°C	6.26 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	o w
PSB	12 W
PCK	o w
Annual energy consumption Qce	603 kWh