

This information was generated by the HP KEYMARK database on 17 Dec 2020

Summary of	i-SHWAK V4 06	Reg. No.	ICIM-PDC-000076-00
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 06		
Heat Pump Type	Outdoor Air/Water		
Refrigerant	R410a		
Mass Of Refrigerant	2.68 kg		
Certification Date	26.05.2020		
Testing basis	HP KEYMARK certification scheme rules rev. no. 7		

## Model: i-SHWAK V4 06

### General Data

Power supply	1x230V 50Hz
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## Heating

### EN 14511-2

	Low temperature	Medium temperature
Heat output	6.57 kW	5.64 kW
El input	1.50 kW	2.32 kW
COP	4.38	2.43
Indoor water flow rate	1.13 m <sup>3</sup> /h	0.61 m <sup>3</sup> /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

## Cooling

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**EN 14511-2**

	<b>+7°C/+12°C</b>
El input	1.74 kW
Indoor water flow rate	0.87 m³/h
Cooling capacity	5.07
EER	2.91

**EN 14825**

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	<b>+7°C/+12°C</b>
P <sub>designc</sub>	5.07 kW
SEER	3.82
P <sub>dc</sub> T <sub>j</sub> = 35°C	5.07 kW
EER T <sub>j</sub> = 35°C	2.91
P <sub>dc</sub> T <sub>j</sub> = 30°C	3.74 kW
EER T <sub>j</sub> = 30°C	4.04
C <sub>dc</sub>	1.0
P <sub>dc</sub> T <sub>j</sub> = 25°C	3.40 kW
EER T <sub>j</sub> = 25°C	4.09
C <sub>dc</sub>	1.0
P <sub>dc</sub> T <sub>j</sub> = 20°C	3.68 kW
EER T <sub>j</sub> = 20°C	4.92
C <sub>dc</sub>	1.0
P <sub>off</sub>	12 W
PTO	0 W
PSB	12 W
PCK	0 W
Annual energy consumption Q <sub>ce</sub>	464 kWh

## Average Climate

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### EN 12102-1

	Low temperature	Medium temperature
Sound power level indoor	35 dB(A)	35 dB(A)
Sound power level outdoor	64 dB(A)	64 dB(A)

### EN 14825

	Low temperature	Medium temperature
$\eta_s$	151 %	119 %
Prated	5.00 kW	4.00 kW
SCOP	3.86	3.06
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	5.30 kW	4.50 kW
COP Tj = -7°C	2.68	1.57
Cdh	1.00	1.00
Pdh Tj = +2°C	3.40 kW	2.70 kW
COP Tj = +2°C	4.10	2.95
Cdh	1.00	1.00
Pdh Tj = +7°C	3.60 kW	3.30 kW
COP Tj = +7°C	4.15	4.57
Cdh	1.00	1.00

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Pdh Tj = 12°C	3.70 kW	3.60 kW
COP Tj = 12°C	5.11	6.02
Cdh	1.00	1.00
Pdh Tj = Tbiv	5.30 kW	4.50 kW
COP Tj = Tbiv	2.68	1.57
Pdh Tj = TOL	5.00 kW	4.30 kW
COP Tj = TOL	2.34	1.45
WTOL	39 °C	39 °C
Poff	0 W	0 W
PTO	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	2171 kWh	2329 kWh