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Summary of	i-SHWAK V4 08	Reg. No.	ICIM-PDC-000077-00
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 08		
Heat Pump Type	Outdoor Air/Water		
Refrigerant	R410A		
Mass of Refrigerant	2.2 kg		
Certification Date	26.05.2020		
Testing basis	HP KEYMARK certification scheme rules rev. no. 7		

## Model: i-SHWAK V4 08

Configure model	
Model name	i-SHWAK V4 08
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	8.01 kW	6.89 kW
El input	1.89 kW	3.09 kW
COP	4.24	2.23

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 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
$\eta_s$	155 %	124 %
Prated	6.00 kW	5.00 kW
SCOP	3.94	3.17
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	5.50 kW	5.00 kW
COP Tj = -7°C	2.62	1.72
Cdh Tj = -7 °C	1.00	1.00
Pdh Tj = +2°C	3.40 kW	3.30 kW
COP Tj = +2°C	4.19	3.10
Cdh Tj = +2 °C	1.00	1.00
Pdh Tj = +7°C	3.60 kW	4.00 kW
COP Tj = +7°C	4.39	4.42
Cdh Tj = +7 °C	1.00	1.00

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Pdh Tj = 12°C	3.70 kW	4.40 kW
COP Tj = 12°C	5.12	6.18
Cdh Tj = +12 °C	1.00	1.00
Pdh Tj = Tbiv	5.50 kW	5.00 kW
COP Tj = Tbiv	2.62	1.72
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.10 kW	4.40 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.33	1.44
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	n/a	n/a
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	2216 kWh	2493 kWh

## Cooling

**EN 14511-2**

	<b>+7°C/+12°C</b>
El input	2.11 kW
Cooling capacity	6.12
EER	2.90

**EN 14825**

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	<b>+7°C/+12°C</b>
P <sub>designc</sub>	6.12 kW
SEER	3.84
P <sub>dc</sub> T <sub>j</sub> = 35°C	6.12 kW
EER T <sub>j</sub> = 35°C	2.90
P <sub>dc</sub> T <sub>j</sub> = 30°C	4.51 kW
EER T <sub>j</sub> = 30°C	3.88
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>	558 kWh