

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

Summary of	Wellea Split 8 10 kW	Reg. No.	ICIM-PDC-000063-00
Certificate Holder			
Name	Airwell Residential		
Address	10, rue du Fort de Saint Cyr	Zip	78180
City	Montigny le Bretonneux	Country	France
Certification Body	ICIM S.p.A.		
Name of testing laboratory	Not Applicable - OBL		
Subtype title	Wellea Split 8 10 kW		
Heat Pump Type	Outdoor Air/Water		
Refrigerant	R32		
Mass Of Refrigerant	1.65 kg		
Certification Date	22.04.2020		
Testing basis	EN 14511:2013, EN 14825:2016, EN 12102:2013		

Model: AW-YHPS08-H91 + AW-WHPS0810-N91

General Data

Power supply	1x230V 50Hz
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Heating

EN 14511-4

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

EN 14511-2

	Low temperature	Medium temperature
Heat output	8.47 kW	7.40 kW
El input	1.78 kW	2.51 kW
COP	4.76	2.95
Indoor water flow rate	1.47 m ³ /h	0.81 m ³ /h

Average Climate

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EN 12102-1

	Low temperature	Medium temperature
Sound power level indoor	43 dB(A)	43 dB(A)
Sound power level outdoor	63 dB(A)	63 dB(A)

EN 14825

	Low temperature	Medium temperature
η_s	188 %	128 %
Prated	8.88 kW	7.92 kW
SCOP	4.78	3.28
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	7.85 kW	7.01 kW
COP Tj = -7°C	2.96	2.02
Cdh	0.90	0.90
Pdh Tj = +2°C	4.78 kW	4.27 kW
COP Tj = +2°C	4.55	3.19
Cdh	0.90	0.90
Pdh Tj = +7°C	3.07 kW	2.74 kW
COP Tj = +7°C	6.58	4.41
Cdh	0.90	0.90

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Pdh Tj = 12°C	1.37 kW	1.22 kW
COP Tj = 12°C	8.66	5.11
Cdh	0.90	0.90
Pdh Tj = Tbiv	7.85 kW	7.01 kW
COP Tj = Tbiv	2.96	2.02
Pdh Tj = TOL	8.88 kW	7.92 kW
COP Tj = TOL	2.82	1.65
WTOL	60 °C	60 °C
Poff	14 W	14 W
PTO	29 W	29 W
PSB	14 W	14 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	electric	electric
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	3837 kWh	4988 kWh

Warmer Climate

EN 12102-1	
	Low temperature
Sound power level indoor	43 dB(A)
Sound power level outdoor	63 dB(A)

Colder Climate

EHPA Secretariat | Rue d'Arlon 63-67 | Phone: +32 2 400 10 17 | Email: secretariat@heatpumpkeymark.com | www.heatpumpkeymark.com

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The authoritative source of this information is the heat pump certificate as executed by the certification body and the related technical data.

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Starting and operating test	passed

EN 14511-2

	Low temperature	Medium temperature
Heat output	10.00 kW	9.30 kW
El input	2.15 kW	3.25 kW
COP	4.65	2.86
Indoor water flow rate	1.72 m ³ /h	1.60 m ³ /h

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