

Page 1 of 9 This information was generated by the HP KEYMARK database on 17 Dec 2020

Summary of	Wellea Split WT 8 10 kW	Reg. No.	ICIM-PDC-000065-01	
Certificate Holder				
Name	Airwell Residential	Airwell Residential		
Address	10, rue du Fort de Saint Cyr	Zip	78180	
City	Montigny le Bretonneux	Country	France	
Certification Body	ICIM S.p.A.	ICIM S.p.A.		
Name of testing laboratory	Not Applicable - OBL	Not Applicable - OBL		
Subtype title	Wellea Split WT 8 10 kW			
Heat Pump Type	Outdoor Air/Water	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 16147:17, EN 12102:2013			



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

# Model: AW-YHPS08-H91 + AW-WHPST0410-N91

General Data		
Power supply	1x230V 50Hz	

# 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	8.37 kW	7.60 kW
El input	1.77 kW	2.51 kW
СОР	4.74	3.03
Indoor water flow rate	1.45 m³/h	0.83 m³/h

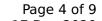
## **Average Climate**



 $$\operatorname{\textit{Page}}\ 3$$  of 9 This information was generated by the HP KEYMARK database on 17 Dec 2020

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	39 dB(A)	39 dB(A)
Sound power level outdoor	63 dB(A)	63 dB(A)

EN 14825			
	Low temperature	Medium temperature	
$\eta_{s}$	195 %	133 %	
Prated	8.23 kW	7.57 kW	
SCOP	4.96	3.37	
Tbiv	-7 °C	-7 °C	
TOL	-10 °C	-10 °C	
Pdh Tj = -7°C	7.28 kW	6.70 kW	
COP Tj = -7°C	3.07	2.03	
Cdh	0.90	0.90	
Pdh Tj = +2°C	4.71 kW	4.34 kW	
COP Tj = +2°C	4.78	3.40	
Cdh	0.90	0.90	
Pdh Tj = +7°C	2.73 kW	2.77 kW	
COP Tj = +7°C	6.73	4.47	
Cdh	0.90	0.90	





This information was	generated by the HP k	EYMARK database on 17 Dec 2
Pdh Tj = 12°C	1.57 kW	1.27 kW
COP Tj = 12°C	8.53	5.04
Cdh	0.90	0.90
Pdh Tj = Tbiv	7.28 kW	6.70 kW
COP Tj = Tbiv	3.07	2.03
Pdh Tj = TOL	6.76 kW	6.29 kW
COP Tj = TOL	2.57	1.65
WTOL	60 °C	60 °C
Poff	15 W	15 W
РТО	15 W	15 W
PSB	15 W	15 W
РСК	o w	0 W
Supplementary Heater: Type of energy input	electric	electric
Supplementary Heater: PSUP	1.47 kW	1.28 kW
Annual energy consumption Qhe	3431 kWh	4605 kWh

### Warmer Climate

EN 12102-1	
	Low temperature
Sound power level indoor	39 dB(A)
Sound power level outdoor	63 dB(A)

#### Colder Climate



EN 12102-1	
	Low temperature
Sound power level indoor	39 dB(A)
Sound power level outdoor	63 dB(A)

# Domestic Hot Water (DHW)

## **Average Climate**

EN 16147		
Declared load profile	L	
Efficiency ηDHW	115 %	
СОР	2.66	
Heating up time	2:16 h:min	
Standby power input	58.0 W	
Reference hot water temperature	49.5 °C	
Mixed water at 40°C	210	

## Warmer Climate

### Colder Climate



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

# Model: AW-YHPS10-H91 + AW-WHPST0410-N91

General Data		
Power supply	1x230V 50Hz	

# 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	9.97 kW	8.73 kW
El input	2.19 kW	2.98 kW
СОР	4.55	2.93
Indoor water flow rate	1.73 m³/h	0.96 m³/h

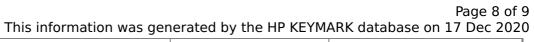
## **Average Climate**



 $$\operatorname{\textit{Page}}\ 7$$  of 9 This information was generated by the HP KEYMARK database on 17 Dec 2020

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
$\eta_{s}$	199 %	139 %
Prated	9.51 kW	8.50 kW
SCOP	5.04	3.56
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	8.41 kW	7.52 kW
COP Tj = -7°C	3.17	2.25
Cdh	0.90	0.90
Pdh Tj = +2°C	5.32 kW	4.91 kW
COP Tj = +2°C	4.71	3.49
Cdh	0.90	0.90
Pdh Tj = +7°C	3.58 kW	3.13 kW
COP Tj = +7°C	7.12	4.71
Cdh	0.90	0.90





Pdh Tj = 12°C	1.61 kW	1.34 kW
COP Tj = 12°C	9.88	5.57
Cdh	0.90	0.90
Pdh Tj = Tbiv	8.41 kW	7.52 kW
COP Tj = Tbiv	3.17	2.25
Pdh Tj = TOL	7.01 kW	6.29 kW
COP Tj = TOL	2.57	1.65
WTOL	60 °C	60 °C
Poff	15 W	15 W
РТО	15 W	15 W
PSB	15 W	15 W
PCK	o w	0 W
Supplementary Heater: Type of energy input	electric	electric
Supplementary Heater: PSUP	2.50 kW	2.21 kW
Annual energy consumption Qhe	3900 kWh	4936 kWh

## Warmer Climate

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

#### Colder Climate



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

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

# Domestic Hot Water (DHW)

## **Average Climate**

EN 16147		
Declared load profile	L	
Efficiency ηDHW	115 %	
СОР	2.66	
Heating up time	2:16 h:min	
Standby power input	58.0 W	
Reference hot water temperature	49.5 °C	
Mixed water at 40°C	210	

## Warmer Climate

### Colder Climate