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Summary of	WELLEA MONOBLOC 5/7/9 KW 1ph	Reg. No.	ICIM-PDC-000056-00
Certificate Holder			
Name	Airwell Residential S.A.S.		
Address	10, rue du Fort de Saint Cyr	Zip	78180
City	Montigny le Bretonneux	Country	France
Certification Body	ICIM S.p.A.		
Subtype title	WELLEA MONOBLOC 5/7/9 KW 1ph		
Heat Pump Type	Outdoor Air/Water		
Refrigerant	R32		
Mass of Refrigerant	2 kg		
Certification Date	17.01.2020		
Testing basis	EN 14511:2013, EN 14825:2016, EN 12102:2013		

Model: WELLEA MONOBLOC 5KW

Configure model	
Model name	WELLEA MONOBLOC 5KW
Application	Heating (medium temp)
Units	Outdoor
Climate Zone	n/a
Reversibility	Yes
Cooling mode application (optional)	n/a

General Data	
Power supply	1x230V 50Hz

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	4.65 kW	4.65 kW
El input	0.93 kW	1.77 kW
COP	5.00	2.63

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 outdoor	61 dB(A)	61 dB(A)

EN 14825

	Low temperature	Medium temperature
η_s	175 %	127 %
Prated	7.00 kW	7.00 kW
SCOP	4.47	3.24
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	5.88 kW	5.83 kW
COP Tj = -7°C	2.91	1.97
Cdh Tj = -7 °C	0.90	0.90
Pdh Tj = +2°C	3.64 kW	3.68 kW
COP Tj = +2°C	4.38	3.22
Cdh Tj = +2 °C	0.90	0.90
Pdh Tj = +7°C	2.42 kW	2.47 kW
COP Tj = +7°C	5.89	4.21
Cdh Tj = +7 °C	0.90	0.90
Pdh Tj = 12°C	1.03 kW	1.26 kW

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COP Tj = 12°C	5.89	4.91
Cdh Tj = +12 °C	0.90	0.90
Pdh Tj = Tbiv	5.88 kW	5.83 kW
COP Tj = Tbiv	2.91	1.97
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.62 kW	5.86 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.63	1.62
WTOL	60 °C	60 °C
Poff	9 W	9 W
PTO	9 W	9 W
PSB	9 W	9 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.70 kW
Annual energy consumption Qhe	3071 kWh	4203 kWh

Model: WELLEA MONOBLOC 7KW

Configure model	
Model name	WELLEA MONOBLOC 7KW
Application	Heating (medium temp)
Units	Outdoor
Climate Zone	n/a
Reversibility	Yes
Cooling mode application (optional)	n/a

General Data	
Power supply	1x230V 50Hz

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	6.65 kW	6.80 kW
El input	1.35 kW	2.42 kW
COP	4.94	2.81

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 outdoor	64 dB(A)	64 dB(A)

EN 14825

	Low temperature	Medium temperature
η_s	176 %	127 %
Prated	7.00 kW	7.00 kW
SCOP	4.47	3.24
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	5.88 kW	5.83 kW
COP Tj = -7°C	2.91	1.97
Cdh Tj = -7 °C	0.90	0.90
Pdh Tj = +2°C	3.64 kW	3.68 kW
COP Tj = +2°C	4.38	3.22
Cdh Tj = +2 °C	0.90	0.90
Pdh Tj = +7°C	2.42 kW	2.47 kW
COP Tj = +7°C	5.89	4.21
Cdh Tj = +7 °C	0.90	0.90
Pdh Tj = 12°C	1.03 kW	1.26 kW

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COP Tj = 12°C	5.89	4.91
Cdh Tj = +12 °C	0.90	0.90
Pdh Tj = Tbiv	5.88 kW	5.83 kW
COP Tj = Tbiv	2.91	1.97
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.62 kW	5.86 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.63	1.62
WTOL	60 °C	60 °C
Poff	9 W	9 W
PTO	6 W	6 W
PSB	9 W	9 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.70 kW
Annual energy consumption Qhe	3701 kWh	4203 kWh

Model: WELLEA MONOBLOC 9KW

Configure model	
Model name	WELLEA MONOBLOC 9KW
Application	Heating (medium temp)
Units	Outdoor
Climate Zone	n/a
Reversibility	Yes
Cooling mode application (optional)	n/a

General Data	
Power supply	1x230V 50Hz

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	8.60 kW	8.60 kW
El input	1.87 kW	3.12 kW
COP	4.60	2.75

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

This information was generated by the HP KEYMARK database on 21 Jun 2022

EN 12102-1

	Low temperature	Medium temperature
Sound power level outdoor	67 dB(A)	67 dB(A)

EN 14825

	Low temperature	Medium temperature
η_s	177 %	126 %
Prated	8.00 kW	7.00 kW
SCOP	4.51	3.22
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	7.42 kW	6.58 kW
COP Tj = -7°C	2.80	1.87
Cdh Tj = -7 °C	0.90	0.90
Pdh Tj = +2°C	4.83 kW	4.25 kW
COP Tj = +2°C	4.33	3.19
Cdh Tj = +2 °C	0.90	0.90
Pdh Tj = +7°C	3.20 kW	2.80 kW
COP Tj = +7°C	6.20	4.38
Cdh Tj = +7 °C	0.90	0.90
Pdh Tj = 12°C	1.55 kW	1.27 kW

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COP Tj = 12°C	7.61	5.04
Cdh Tj = +12 °C	0.90	0.90
Pdh Tj = Tbiv	7.42 kW	6.58 kW
COP Tj = Tbiv	2.80	1.87
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.64 kW	5.53 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.54	1.51
WTOL	60 °C	60 °C
Poff	9 W	9 W
PTO	10 W	10 W
PSB	9 W	9 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.80 kW	1.80 kW
Annual energy consumption Qhe	3844 kWh	4770 kWh