

Page 1 of 10

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#### **Login**

Summary of	WELLEA MONOBLOC 12/14/16 KW 3ph	Reg. No.	ICIM-PDC-000054-00	
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 12/14/16 KW 3ph			
Heat Pump Type	Outdoor Air/Water			
Refrigerant	R32			
Mass of Refrigerant	2.8 kg			
Certification Date	17.01.2020			
Testing basis	EN 14511:2013, EN 14825:2016, EN 12102:2013			

## Model: WELLEA MONOBLOC 12 KW 3PH

Configure model		
Model name	WELLEA MONOBLOC 12 KW 3PH	
Application	Heating (medium temp)	
Units	Outdoor	
Climate Zone	n/a	
Reversibility	Yes	
Cooling mode application (optional)	n/a	

General Data		
Power supply	3x400V 50Hz	

## Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	12.30 kW	11.90 kW
El input	2.54 kW	4.23 kW
СОР	4.84	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

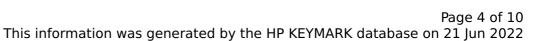
# Average Climate



EN 12102-1		
	Low temperature	Medium temperature
Sound power level outdoor	68 dB(A)	68 dB(A)

EN 14825		
	Low temperature	Medium temperature
$\eta_{s}$	169 %	126 %
Prated	12.00 kW	13.00 kW
SCOP	4.29	3.23
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	10.52 kW	11.29 kW
COP Tj = -7°C	2.88	2.05
Cdh Tj = -7 °C	0.90	0.90
Pdh Tj = +2°C	6.50 kW	7.31 kW
COP Tj = +2°C	4.15	3.14
Cdh Tj = +2 °C	0.90	0.90
Pdh Tj = +7°C	4.12 kW	4.96 kW
$COP Tj = +7^{\circ}C$	5.74	4.25
Cdh Tj = +7 °C	0.90	0.90
Pdh Tj = 12°C	2.23 kW	2.37 kW

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COP Tj = 12°C	5.40	4.94
Cdh Tj = +12 °C	0.90	0.90
Pdh Tj = Tbiv	10.52 kW	11.29 kW
COP Tj = Tbiv	2.88	2.05
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	12.01 kW	11.88 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.60	1.79
WTOL	60 °C	60 °C
Poff	9 W	9 W
РТО	15 W	15 W
PSB	9 W	9 W
PCK	o w	o w
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.90 kW
Annual energy consumption Qhe	5726 kWh	8164 kWh

## Model: WELLEA MONOBLOC 14 KW 3PH

Configure model		
Model name	WELLEA MONOBLOC 14 KW 3PH	
Application	Heating (medium temp)	
Units	Outdoor	
Climate Zone	n/a	
Reversibility	Yes	
Cooling mode application (optional)	n/a	

General Data		
Power supply	3x400V 50Hz	

## Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	14.10 kW	14.20 kW
El input	3.05 kW	5.09 kW
СОР	4.63	2.79

EN 14511-4	
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

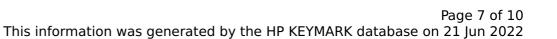
# Average Climate



EN 12102-1		
	Low temperature	Medium temperature
Sound power level outdoor	71 dB(A)	71 dB(A)

EN 14825		
	Low temperature	Medium temperature
$\eta_{s}$	168 %	128 %
Prated	14.00 kW	14.00 kW
SCOP	4.27	3.26
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	12.47 kW	12.18 kW
COP Tj = -7°C	2.84	2.05
Cdh Tj = -7 °C	0.90	0.90
Pdh Tj = +2°C	7.48 kW	7.84 kW
COP Tj = +2°C	4.19	3.18
Cdh Tj = +2 °C	0.90	0.90
Pdh Tj = +7°C	2.23 kW	2.57 kW
COP Tj = +7°C	5.30	5.14
Cdh Tj = +7 °C	0.90	0.90
Pdh Tj = 12°C	2.23 kW	2.57 kW

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COP Tj = 12°C	5.30	5.14
Cdh Tj = +12 °C	0.90	0.90
Pdh Tj = Tbiv	12.47 kW	12.18 kW
COP Tj = Tbiv	2.84	2.05
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	12.72 kW	11.68 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.51	1.74
WTOL	60 °C	60 °C
Poff	9 W	9 W
PTO	26 W	26 W
PSB	9 W	9 W
PCK	o w	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.40 kW	2.10 kW
Annual energy consumption Qhe	6819 kWh	8724 kWh

## **Model: WELLEA MONOBLOC 16KW 3PH**

Configure model			
Model name	WELLEA MONOBLOC 16KW 3PH		
Application	Heating (medium temp)		
Units	Outdoor		
Climate Zone	n/a		
Reversibility	Yes		
Cooling mode application (optional)	n/a		

General Data		
Power supply	3x400V 50Hz	

## Heating

EN 14511-2			
	Low temperature	Medium temperature	
Heat output	16.30 kW	16.10 kW	
El input	3.63 kW	5.83 kW	
СОР	4.49	2.76	

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



EN 12102-1		
	Low temperature	Medium temperature
Sound power level outdoor	71 dB(A)	71 dB(A)

EN 14825		
	Low temperature	Medium temperature
$\eta_{s}$	169 %	128 %
Prated	16.00 kW	15.00 kW
SCOP	4.30	3.27
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	14.15 kW	12.90 kW
COP Tj = -7°C	2.72	2.04
Cdh Tj = -7 °C	0.90	0.90
Pdh Tj = +2°C	8.92 kW	8.25 kW
COP Tj = +2°C	4.17	3.21
Cdh Tj = +2 °C	0.90	0.90
Pdh Tj = +7°C	5.64 kW	5.45 kW
$COP Tj = +7^{\circ}C$	5.86	4.32
Cdh Tj = +7 °C	0.90	0.90
Pdh Tj = 12°C	2.47 kW	2.57 kW

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Page 10 of 10

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	<u> </u>	
COP Tj = 12°C	6.28	5.12
Cdh Tj = +12 °C	0.90	0.90
Pdh Tj = Tbiv	14.15 kW	12.90 kW
COP Tj = Tbiv	2.72	2.04
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	12.93 kW	11.16 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.41	1.65
WTOL	60 °C	60 °C
Poff	9 W	9 W
PTO	41 W	41 W
PSB	9 W	9 W
PCK	o w	o w
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	3.10 kW	3.40 kW
Annual energy consumption Qhe	7687 kWh	9216 kWh