

Summary of	VITOCAL 100 A- (AF) 14	Reg. No.	ICIM-PDC-000087-00	
Certificate Holder				
Name	Viessmann Werke Allendorf	Viessmann Werke Allendorf GmbH		
Address	Viessmannstraße 1	Zip	35107	
City	Allendorf/Eder	Country	Germany	
Certification Body	ICIM S.p.A.	ICIM S.p.A.		
Name of testing laboratory	OBL certificate	OBL certificate		
Subtype title	VITOCAL 100 A- (AF) 14	VITOCAL 100 A- (AF) 14		
Heat Pump Type	Outdoor Air/Water	Outdoor Air/Water		
Refrigerant	R32	R32		
Mass Of Refrigerant	3.6 kg	3.6 kg		
Certification Date	25.06.2020	25.06.2020		
Testing basis	HP KEYMARK certification so	HP KEYMARK certification scheme rules rev. no. 7		



Model: AWO-AC (AF) 101.A14

General Data		
Power supply	3x400V 50Hz	

Heating

EN 14511-2			
	Low temperature	Medium temperature	
Heat output	14.10 kW	12.80 kW	
El input	2.91 kW	4.25 kW	
СОР	4.85	3.01	
Indoor water flow rate	2.43 m³/h	1.36 m³/h	

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

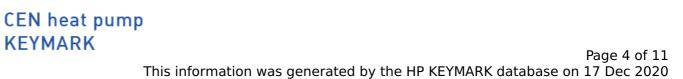
Average Climate



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

EN 14825			
	Low temperature	Medium temperature	
η_{s}	176 %	130 %	
Prated	12.00 kW	12.00 kW	
SCOP	4.48	3.31	
Tbiv	-7 °C	-7 °C	
TOL	-20 °C	-15 °C	
Pdh Tj = -7°C	10.70 kW	10.30 kW	
COP Tj = -7°C	2.98	2.10	
Cdh	1.00	1.00	
Pdh Tj = +2°C	6.50 kW	6.20 kW	
COP Tj = +2°C	4.20	3.21	
Cdh	1.00	1.00	
Pdh Tj = +7°C	5.80 kW	5.70 kW	
COP Tj = +7°C	5.98	4.19	
Cdh	0.98	0.98	

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6.70 kW	6.60 kW
8.16	6.17
0.98	0.98
10.70 kW	10.30 kW
2.98	2.10
10.50 kW	10.20 kW
2.69	1.96
60 °C	60 °C
19 W	19 W
19 W	19 W
19 W	19 W
30 W	30 W
0	0
0.00 kW	0.00 kW
5584 kWh	7260 kWh
	8.16 0.98 10.70 kW 2.98 10.50 kW 2.69 60 °C 19 W 19 W 19 W 0 0.00 kW

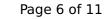
Cooling





EN 14511-2		
	+7°C/+12°C	
El input	3.53 kW	
Indoor water flow rate	1.97 m³/h	
Cooling capacity	11.48	
EER	3.25	

EN 14825





This information was generated by the HP KE	
	+7°C/+12°C
Pdesignc	11.48 kW
SEER	4.62
Pdc Tj = 35°C	11.48 kW
EER Tj = 35°C	3.25
Pdc Tj = 30°C	8.47 kW
EER Tj = 30°C	4.31
Cdc	1.0
Pdc Tj = 25°C	5.41 kW
EER Tj = 25°C	4.91
Cdc	1.0
Pdc Tj = 20°C	5.53 kW
EER Tj = 20°C	6.52
Cdc	1.0
Poff	19 W
PTO	0 W
PSB	19 W
РСК	30 W
Annual energy consumption Qce	1492 kWh



Model: AWO-M-AC (AF) 101.A14

General Data		
Power supply	1x230V 50Hz	

Heating

EN 14511-2			
	Low temperature	Medium temperature	
Heat output	14.10 kW	12.80 kW	
El input	2.91 kW	4.25 kW	
СОР	4.85	3.01	
Indoor water flow rate	2.43 m³/h	1.36 m³/h	

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 indoor	dB(A)	dB(A)
Sound power level outdoor	68 dB(A)	68 dB(A)

EN 14825			
	Low temperature	Medium temperature	
η_{s}	176 %	130 %	
Prated	12.00 kW	12.00 kW	
SCOP	4.48	3.31	
Tbiv	-7 °C	-7 °C	
TOL	-20 °C	-15 °C	
Pdh Tj = -7°C	10.70 kW	10.30 kW	
COP Tj = -7°C	2.98	2.10	
Cdh	1.00	1.00	
Pdh Tj = +2°C	6.50 kW	6.20 kW	
COP Tj = +2°C	4.20	3.21	
Cdh	1.00	1.00	
Pdh Tj = +7°C	5.80 kW	5.70 kW	
COP Tj = +7°C	5.98	4.19	
Cdh	0.98	0.98	

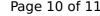
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Pdh Tj = 12°C	6.70 kW	6.60 kW
COP Tj = 12°C	8.16	6.17
Cdh	0.98	0.98
Pdh Tj = Tbiv	10.70 kW	10.30 kW
COP Tj = Tbiv	2.98	2.10
Pdh Tj = TOL	10.50 kW	10.20 kW
COP Tj = TOL	2.69	1.96
WTOL	60 °C	60 °C
Poff	19 W	19 W
РТО	19 W	19 W
PSB	19 W	19 W
PCK	30 W	30 W
Supplementary Heater: Type of energy input	0	0
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	5584 kWh	7260 kWh

Cooling





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	+7°C/+12°C	
El input	3.53 kW	
Indoor water flow rate	1.97 m³/h	
Cooling capacity	11.48	
EER	3.25	

EN 14825



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SEER	4.62
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EER Tj = 35°C	3.25
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EER Tj = 30°C	4.31
Cdc	1.0
Pdc Tj = 25°C	5.41 kW
EER Tj = 25°C	4.91
Cdc	1.0
Pdc Tj = 20°C	5.53 kW
EER Tj = 20°C	6.52
Cdc	1.0
Poff	19 W
РТО	o w
PSB	19 W
PCK	30 W
Annual energy consumption Qce	1492 kWh