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Summary of	VITOCAL 100 A- (AF) 14	Reg. No.	ICIM-PDC-000087-00
Certificate Holder			
Name	Viessmann Werke Allendorf (GmbH	
Address	Viessmannstraße 1	Zip	35107
City	Allendorf/Eder	Allendorf/Eder Country Germany	
Certification Body	ICIM S.p.A.	ICIM S.p.A.	
Subtype title	VITOCAL 100 A- (AF) 14	VITOCAL 100 A- (AF) 14	
Heat Pump Type	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 scheme rules rev. no. 7		



Model: AWO-AC (AF) 101.A14

Configure model	
Model name AWO-AC (AF) 101.A14	
Application	Heating (medium temp)
Units	Outdoor
Climate Zone	n/a
Reversibility	Yes
Cooling mode application (optional)	+7°C/12°C

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

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

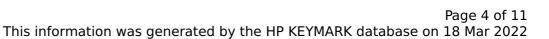
Average Climate



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 Tj = -7 °C	1.00	1.00
Pdh Tj = +2°C	6.50 kW	6.20 kW
COP Tj = +2°C	4.20	3.21
Cdh Tj = +2 °C	1.00	1.00
Pdh Tj = +7°C	5.80 kW	5.70 kW
COP Tj = +7°C	5.98	4.19
Cdh Tj = +7 °C	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 Tj = +12 °C	0.98	0.98
Pdh Tj = Tbiv	10.70 kW	10.30 kW
COP Tj = Tbiv	2.98	2.10
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	10.50 kW	10.20 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	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	n/a	n/a
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	5584 kWh	7260 kWh

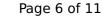
Cooling





EN 14511-2	
+7°C/+12°C	
El input	3.53 kW
Cooling capacity	11.48
EER	3.25

EN 14825





This information was generated by the HP KEYMARK database on 18 Mar 2022 +7°C/+12°C

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 PCK 30 W		+7°C/+12°C
Pdc Tj = 35°C	Pdesignc	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 PCK 30 W	SEER	4.62
Pdc Tj = 30°C	Pdc Tj = 35°C	11.48 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 PCK 30 W	EER Tj = 35°C	3.25
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 PCK 30 W	Pdc Tj = 30°C	8.47 kW
Pdc Tj = 25°C	EER Tj = 30°C	4.31
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 PCK 30 W	Cdc	1.0
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 PCK 30 W	Pdc Tj = 25°C	5.41 kW
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 PCK 30 W	EER Tj = 25°C	4.91
EER Tj = 20°C 6.52 Cdc 1.0 Poff 19 W PTO 0 W PSB 19 W PCK 30 W	Cdc	1.0
Cdc 1.0 Poff 19 W PTO 0 W PSB 19 W PCK 30 W	Pdc Tj = 20°C	5.53 kW
Poff 19 W PTO 0 W PSB 19 W PCK 30 W	EER Tj = 20°C	6.52
PTO 0 W PSB 19 W PCK 30 W	Cdc	1.0
PSB 19 W 30 W	Poff	19 W
PCK 30 W	РТО	o w
	PSB	19 W
Annual energy consumption Qce 1492 kWh	РСК	30 W
	Annual energy consumption Qce	1492 kWh



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

Configure model		
Model name AWO-M-AC (AF) 101.A14		
Application	Heating (medium temp)	
Units	Outdoor	
Climate Zone	n/a	
Reversibility	Yes	
Cooling mode application (optional)	+7°C/12°C	

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

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Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

Average Climate



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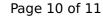
EN 14825		
	Low temperature	Medium temperature
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TOL	-20 °C	-15 °C
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Pdh Tj = +7°C	5.80 kW	5.70 kW
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Cdh Tj = +7 °C	0.98	0.98

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Supplementary Heater: PSUP	0.00 kW	0.00 kW
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El input	3.53 kW
Cooling capacity	11.48
EER	3.25

EN 14825



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	+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
РТО	0 W
PSB	19 W
PCK	30 W
Annual energy consumption Qce	1492 kWh