

Summary of	Vitocal 2xx-A ODU3	Reg. No.	011-1W0148	
Certificate Holder				
Name	Viessmann Wärmepumpen GmbH			
Address	Viessmannstr. 1	Zip	35107	
City	Allendorf/Eder	Country	Germany	
Certification Body	DIN CERTCO Gesellschaft f	DIN CERTCO Gesellschaft für Konformitätsbewertung mbH		
Name of testing laboratory	Universität Stuttgart Institut für GebäudeEnergetik			
Subtype title	Vitocal 2xx-A ODU3			
Heat Pump Type	Outdoor Air/Water			
Refrigerant	R410a			
Mass Of Refrigerant	2.4 kg			



Model: Vitocal 200-A AWO-M 201.A10

General Data		
Power supply	1x230V 50Hz	

EN 14511-4		
Operating range outdoor exchanger/indoor exchanger lower limit/lower limit	passed	
Operating range outdoor exchanger/indoor exchanger upper limit/upper limit	passed	
Shutting off the heat transfer medium flow	passed	
Complete power supply failure	passed	
Defrost test	passed	

EN 14511-2		
	Low temperature	Medium temperature
Heat output	7.01 kW	7.93 kW
El input	1.49 kW	2.73 kW
СОР	4.69	2.90
Indoor water flow rate	1.40 m³/h	1.40 m³/h



EN 14825		
Pdesignh	9.32 kW	
Rated airflow rate	4500 m³/h	

Average Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	39 dB(A)	39 dB(A)
Sound power level outdoor	56 dB(A)	56 dB(A)

EN 14825			
	Low temperature	Medium temperature	
η_{s}	176 %	129 %	
Prated	9.32 kW	9.35 kW	
SCOP	4.47	3.29	
Tbiv	-7 °C	-7 °C	
TOL	-20 °C	-20 °C	
Pdh Tj = -7° C	8.25 kW	8.27 kW	
$COP Tj = -7^{\circ}C$	3.24	2.26	
Pdh Tj = $+2$ °C	5.32 kW	6.07 kW	
COP Tj = +2°C	4.32	3.15	





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6.60 kW	5.37 kW
5.81	4.21
6.63 kW	6.41 kW
7.51	5.70
8.25 kW	8.27 kW
3.24	2.26
7.51 kW	8.04 kW
2.90	2.04
0.98	0.99
60 °C	60 °C
50 W	50 W
o w	o w
25 W	25 W
0 W	0 W
electrical	electrical
1.86 kW	1.36 kW
4314 kWh	5867 kWh
	6.60 kW 5.81 6.63 kW 7.51 8.25 kW 3.24 7.51 kW 2.90 0.98 60 °C 50 W 0 W 25 W 0 W electrical 1.86 kW



Model: Vitocal 200-A AWO-M 201.A13

General Data		
Power supply	1x230V 50Hz	

EN 14511-4		
Operating range outdoor exchanger/indoor exchanger lower limit/lower limit	passed	
Operating range outdoor exchanger/indoor exchanger upper limit/upper limit	passed	
Shutting off the heat transfer medium flow	passed	
Complete power supply failure	passed	
Defrost test	passed	

EN 14511-2		
	Low temperature	Medium temperature
Heat output	7.85 kW	7.93 kW
El input	1.66 kW	2.73 kW
СОР	4.72	2.90
Indoor water flow rate	1.40 m³/h	1.40 m³/h



EN 14825		
Pdesignh	9.99 kW	
Rated airflow rate	4500 m³/h	

Average Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	39 dB(A)	39 dB(A)
Sound power level outdoor	56 dB(A)	56 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{S}	175 %	130 %
Prated	9.99 kW	10.07 kW
SCOP	4.46	3.32
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7° C	8.83 kW	8.91 kW
COP Tj = -7°C	3.19	2.27
Pdh Tj = $+2$ °C	5.71 kW	5.90 kW
COP Tj = +2°C	4.30	3.17





	<u> </u>	
Pdh Tj = +7°C	8.86 kW	5.38 kW
$COP Tj = +7^{\circ}C$	5.63	4.24
Pdh Tj = 12°C	6.65 kW	6.42 kW
COP Tj = 12°C	7.64	5.72
Pdh Tj = Tbiv	8.83 kW	8.91 kW
COP Tj = Tbiv	3.19	2.27
Pdh Tj = TOL	8.06 kW	8.59 kW
COP Tj = TOL	2.86	2.04
Cdh	0.98	0.99
WTOL	60 °C	60 °C
Poff	50 W	50 W
РТО	o w	0 W
PSB	25 W	25 W
PCK	o w	0 W
Supplementary Heater: Type of energy input	electrical	electrical
Supplementary Heater: PSUP	1.98 kW	1.54 kW
Annual energy consumption Qhe	4625 kWh	6275 kWh



Model: Vitocal 200-A AWO-M 201.A16

General Data	
Power supply	1x230V 50Hz

EN 14511-4		
Operating range outdoor exchanger/indoor exchanger lower limit/lower limit	passed	
Operating range outdoor exchanger/indoor exchanger upper limit/upper limit	passed	
Shutting off the heat transfer medium flow	passed	
Complete power supply failure	passed	
Defrost test	passed	

EN 14511-2		
	Low temperature	Medium temperature
Heat output	8.64 kW	8.42 kW
El input	1.90 kW	2.89 kW
СОР	4.54	2.92
Indoor water flow rate	1.40 m³/h	1.40 m³/h

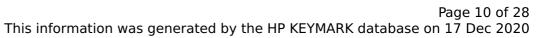


EN 14825	
Pdesignh	10.61 kW
Rated airflow rate	4500 m³/h

Average Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	39 dB(A)	39 dB(A)
Sound power level outdoor	56 dB(A)	56 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{s}	175 %	130 %
Prated	10.61 kW	10.72 kW
SCOP	4.46	3.34
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	9.39 kW	9.49 kW
COP Tj = -7°C	3.12	2.26
Pdh Tj = +2°C	5.72 kW	5.91 kW
COP Tj = +2°C	4.29	3.19





	<u> </u>	
Pdh Tj = +7°C	8.88 kW	5.39 kW
COP Tj = +7°C	5.68	4.27
Pdh Tj = 12°C	6.67 kW	6.42 kW
COP Tj = 12°C	7.74	5.75
Pdh Tj = Tbiv	9.39 kW	9.49 kW
COP Tj = Tbiv	3.12	2.26
Pdh Tj = TOL	8.55 kW	9.21 kW
COP Tj = TOL	2.80	2.05
Cdh	0.98	0.99
WTOL	60 °C	60 °C
Poff	59 W	59 W
РТО	o w	0 W
PSB	25 W	25 W
PCK	o w	0 W
Supplementary Heater: Type of energy input	electrical	electrical
Supplementary Heater: PSUP	2.11 kW	1.57 kW
Annual energy consumption Qhe	4917 kWh	6638 kWh



Model: Vitocal 200-A AWO-M-E -AC 201.A10

General Data	
Power supply	1x230V 50Hz

EN 14511-4		
Operating range outdoor exchanger/indoor exchanger lower limit/lower limit	passed	
Operating range outdoor exchanger/indoor exchanger upper limit/upper limit	passed	
Shutting off the heat transfer medium flow	passed	
Complete power supply failure	passed	
Defrost test	passed	

EN 14511-2			
	Low temperature	Medium temperature	
Heat output	7.01 kW	7.93 kW	
El input	1.49 kW	2.73 kW	
СОР	4.69	2.90	
Indoor water flow rate	1.40 m³/h	1.40 m³/h	



EN 14825	
Pdesignh	9.32 kW
Rated airflow rate	4500 m³/h

Average Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	39 dB(A)	39 dB(A)
Sound power level outdoor	56 dB(A)	56 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{s}	176 %	129 %
Prated	9.32 kW	9.35 kW
SCOP	4.47	3.29
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7° C	8.25 kW	8.27 kW
$COP Tj = -7^{\circ}C$	3.24	2.26
Pdh Tj = $+2$ °C	5.32 kW	6.07 kW
COP Tj = +2°C	4.32	3.15



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	<u> </u>	
Pdh Tj = $+7^{\circ}$ C	6.60 kW	5.37 kW
$COP Tj = +7^{\circ}C$	5.81	4.21
Pdh Tj = 12°C	6.63 kW	6.41 kW
COP Tj = 12°C	7.51	5.70
Pdh Tj = Tbiv	8.25 kW	8.27 kW
COP Tj = Tbiv	3.24	2.26
Pdh Tj = TOL	7.51 kW	8.04 kW
COP Tj = TOL	2.90	2.04
Cdh	0.98	0.99
WTOL	60 °C	60 °C
Poff	50 W	50 W
РТО	o w	0 W
PSB	25 W	25 W
PCK	o w	0 W
Supplementary Heater: Type of energy input	electrical	electrical
Supplementary Heater: PSUP	1.86 kW	1.36 kW
Annual energy consumption Qhe	4314 kWh	5867 kWh



Model: Vitocal 200-A AWO-M-E-AC 201.A13

General Data		
Power supply 1x230V 50Hz		

EN 14511-4		
Operating range outdoor exchanger/indoor exchanger lower limit/lower limit	passed	
Operating range outdoor exchanger/indoor exchanger upper limit/upper limit	passed	
Shutting off the heat transfer medium flow	passed	
Complete power supply failure	passed	
Defrost test	passed	

EN 14511-2			
	Low temperature	Medium temperature	
Heat output	7.85 kW	7.93 kW	
El input	1.66 kW	2.73 kW	
СОР	4.72	2.90	
Indoor water flow rate	1.40 m³/h	1.40 m³/h	

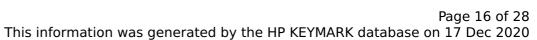


EN 14825		
Pdesignh	9.99 kW	
Rated airflow rate	4500 m³/h	

Average Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	39 dB(A)	39 dB(A)
Sound power level outdoor	56 dB(A)	56 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{S}	175 %	130 %
Prated	9.99 kW	10.07 kW
SCOP	4.46	3.32
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7 °C	8.83 kW	8.91 kW
COP Tj = -7 °C	3.19	2.27
Pdh Tj = $+2$ °C	5.71 kW	5.90 kW
COP Tj = +2°C	4.30	3.17





This information was generated by the HF RETMARK database on 17 Dec 2020				
Pdh Tj = +7°C	8.86 kW	5.38 kW		
COP Tj = +7°C	5.63	4.24		
Pdh Tj = 12°C	6.65 kW	6.42 kW		
COP Tj = 12°C	7.64	5.72		
Pdh Tj = Tbiv	8.83 kW	8.91 kW		
COP Tj = Tbiv	3.19	2.27		
Pdh Tj = TOL	8.06 kW	8.59 kW		
COP Tj = TOL	2.86	2.04		
Cdh	0.98	0.99		
WTOL	60 °C	60 °C		
Poff	50 W	50 W		
РТО	0 W	o w		
PSB	25 W	25 W		
PCK	o w	o w		
Supplementary Heater: Type of energy input	electrical	electrical		
Supplementary Heater: PSUP	1.98 kW	1.54 kW		
Annual energy consumption Qhe	4625 kWh	6275 kWh		



Model: Vitocal 200-A AWO-M-E-AC 201.A16

General Data		
Power supply 1x230V 50Hz		

EN 14511-4		
Operating range outdoor exchanger/indoor exchanger lower limit/lower limit	passed	
Operating range outdoor exchanger/indoor exchanger upper limit/upper limit	passed	
Shutting off the heat transfer medium flow	passed	
Complete power supply failure	passed	
Defrost test	passed	

EN 14511-2		
	Low temperature	Medium temperature
Heat output	8.64 kW	8.42 kW
El input	1.90 kW	2.89 kW
СОР	4.54	2.92
Indoor water flow rate	1.40 m³/h	1.40 m³/h

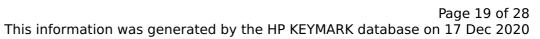


EN 14825		
Pdesignh	10.61 kW	
Rated airflow rate	4500 m³/h	

Average Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	39 dB(A)	39 dB(A)
Sound power level outdoor	56 dB(A)	56 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{S}	175 %	130 %
Prated	10.61 kW	10.72 kW
SCOP	4.46	3.34
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	9.39 kW	9.49 kW
COP Tj = -7°C	3.12	2.26
Pdh Tj = +2°C	5.72 kW	5.91 kW
COP Tj = +2°C	4.29	3.19





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Pdh Tj = +7°C	8.88 kW	5.39 kW
$COP Tj = +7^{\circ}C$	5.68	4.27
Pdh Tj = 12°C	6.67 kW	6.42 kW
COP Tj = 12°C	7.74	5.75
Pdh Tj = Tbiv	9.39 kW	9.49 kW
COP Tj = Tbiv	3.12	2.26
Pdh Tj = TOL	8.55 kW	9.21 kW
COP Tj = TOL	2.80	2.05
Cdh	0.98	0.99
WTOL	60 °C	60 °C
Poff	59 W	59 W
РТО	o w	o w
PSB	25 W	25 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	electrical	electrical
Supplementary Heater: PSUP	2.11 kW	1.57 kW
Annual energy consumption Qhe	4917 kWh	6638 kWh



Model: Vitocal 200-A AWO-E-M 201.A10

General Data		
Power supply 1x230V 50Hz		

EN 14511-4		
Operating range outdoor exchanger/indoor exchanger lower limit/lower limit	passed	
Operating range outdoor exchanger/indoor exchanger upper limit/upper limit	passed	
Shutting off the heat transfer medium flow	passed	
Complete power supply failure	passed	
Defrost test	passed	

EN 14511-2		
	Low temperature	Medium temperature
Heat output	7.01 kW	7.93 kW
El input	1.49 kW	2.73 kW
СОР	4.69	2.90
Indoor water flow rate	1.40 m³/h	1.40 m³/h

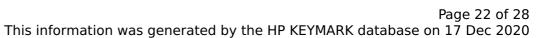


EN 14825		
Pdesignh	9.32 kW	
Rated airflow rate	4500 m³/h	

Average Climate

EN 12102-1		
	Low temperature	Medium temperature
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,		Title database on 17 Dec 202
Pdh Tj = +7°C	6.60 kW	5.37 kW
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Pdh Tj = 12°C	6.63 kW	6.41 kW
COP Tj = 12°C	7.51	5.70
Pdh Tj = Tbiv	8.25 kW	8.27 kW
COP Tj = Tbiv	3.24	2.26
Pdh Tj = TOL	7.51 kW	8.04 kW
COP Tj = TOL	2.90	2.04
Cdh	0.98	0.99
WTOL	60 °C	60 °C
Poff	50 W	50 W
РТО	o w	o w
PSB	25 W	25 W
PCK	o w	0 W
Supplementary Heater: Type of energy input	electrical	electrical
Supplementary Heater: PSUP	1.86 kW	1.36 kW
Annual energy consumption Qhe	4314 kWh	5867 kWh



Model: Vitocal 200-A AWO-E-M 201.A13

General Data	
Power supply	1x230V 50Hz

EN 14511-4	
Operating range outdoor exchanger/indoor exchanger lower limit/lower limit	passed
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Shutting off the heat transfer medium flow	passed
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Defrost test	passed

EN 14511-2		
	Low temperature	Medium temperature
Heat output	7.85 kW	7.93 kW
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СОР	4.72	2.90
Indoor water flow rate	1.40 m³/h	1.40 m³/h



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Pdesignh	9.99 kW
Rated airflow rate	4500 m³/h

Average Climate

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$$\operatorname{\textit{Page}}\xspace$ 25 of 28 This information was generated by the HP KEYMARK database on 17 Dec 2020

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Pdh Tj = +7°C	8.86 kW	5.38 kW
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WTOL	60 °C	60 °C
Poff	50 W	50 W
РТО	o w	0 W
PSB	25 W	25 W
PCK	o w	0 W
Supplementary Heater: Type of energy input	electrical	electrical
Supplementary Heater: PSUP	1.98 kW	1.54 kW
Annual energy consumption Qhe	4625 kWh	6275 kWh



Model: Vitocal 200-A AWO-E-M 201.A16

General Data	
Power supply	1x230V 50Hz

EN 14511-4	
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Operating range outdoor exchanger/indoor exchanger upper limit/upper limit	passed
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Complete power supply failure	passed
Defrost test	passed

EN 14511-2		
	Low temperature	Medium temperature
Heat output	8.64 kW	8.42 kW
El input	1.90 kW	2.89 kW
СОР	4.54	2.92
Indoor water flow rate	1.40 m³/h	1.40 m³/h



EN 14825		
Pdesignh	10.61 kW	
Rated airflow rate	4500 m³/h	

Average Climate

EN 12102-1				
	Low temperature	Medium temperature		
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	Teracea by the Thi RETH	Title database on 17 Dec 202
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$COP Tj = +7^{\circ}C$	5.68	4.27
Pdh Tj = 12°C	6.67 kW	6.42 kW
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Pdh Tj = Tbiv	9.39 kW	9.49 kW
COP Tj = Tbiv	3.12	2.26
Pdh Tj = TOL	8.55 kW	9.21 kW
COP Tj = TOL	2.80	2.05
Cdh	0.98	0.99
WTOL	60 °C	60 °C
Poff	59 W	59 W
РТО	o w	0 W
PSB	25 W	25 W
PCK	o w	0 W
Supplementary Heater: Type of energy input	electrical	electrical
Supplementary Heater: PSUP	2.11 kW	1.57 kW
Annual energy consumption Qhe	4917 kWh	6638 kWh