

Summary of	Vitocal 2xx-A ODU4	Reg. No.	011-1W0149
Certificate Holder			
Name	Viessmann Wärmepumpen GmbH		
Address	Viessmannstr. 1	Zip	35107
City	Allendorf/Eder	Country	Germany
Certification Body	DIN CERTCO Gesellschaft für Konformitätsbewertung mbH		
Name of testing laboratory	Universität Stuttgart Institut für GebäudeEnergetik		
Subtype title	Vitocal 2xx-A ODU4		
Heat Pump Type	Outdoor Air/Water		
Refrigerant	R410a		
Mass Of Refrigerant	2.4 kg		



Model: Vitocal 200-A AWO 201.A10

General Data		
Power supply	3x400V 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	7.58 kW	7.89 kW
El input	1.51 kW	2.67 kW
СОР	5.01	2.96
Indoor water flow rate	1.40 m³/h	1.40 m³/h



EN 14825		
Pdesignh	9.75 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	
180 %	132 %	
9.75 kW	9.67 kW	
4.58	3.37	
-7 °C	-7 °C	
-20 °C	-20 °C	
8.63 kW	8.56 kW	
3.27	2.28	
5.34 kW	5.48 kW	
4.34	3.19	
	Low temperature 180 % 9.75 kW 4.58 -7 °C -20 °C 8.63 kW 3.27 5.34 kW	





	<u> </u>	
Pdh Tj = +7°C	6.63 kW	6.30 kW
$COP Tj = +7^{\circ}C$	5.98	4.43
Pdh Tj = 12°C	6.85 kW	6.61 kW
COP Tj = 12°C	7.81	5.86
Pdh Tj = Tbiv	8.63 kW	8.56 kW
COP Tj = Tbiv	3.27	2.28
Pdh Tj = TOL	7.87 kW	8.32 kW
COP Tj = TOL	2.93	2.07
Cdh	0.98	0.99
WTOL	60 °C	60 °C
Poff	24 W	24 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	1.93 kW	1.40 kW
Annual energy consumption Qhe	4398 kWh	5933 kWh



Model: Vitocal 200-A AWO 201.A13

General Data		
Power supply	3x400V 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	8.88 kW	8.44 kW
El input	1.78 kW	2.80 kW
СОР	4.99	3.01
Indoor water flow rate	1.40 m³/h	1.40 m³/h



EN 14825		
Pdesignh	10.99 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}	182 %	134 %
Prated	10.99 kW	11.00 kW
SCOP	4.64	3.42
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	9.73 kW	9.73 kW
COP Tj = -7°C	3.16	2.28
Pdh Tj = +2°C	5.98 kW	5.87 kW
COP Tj = +2°C	4.46	3.28





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6.86 kW	6.53 kW
6.05	4.50
6.87 kW	6.61 kW
7.91	5.90
9.73 kW	9.73 kW
3.16	2.28
8.86 kW	9.47 kW
2.84	2.07
0.98	0.99
60 °C	60 °C
31 W	31 W
o w	o w
25 W	25 W
0 W	0 W
electrical	electrical
2.19 kW	1.59 kW
4898 kWh	6652 kWh
	6.86 kW 6.05 6.87 kW 7.91 9.73 kW 3.16 8.86 kW 2.84 0.98 60 °C 31 W 0 W 25 W 0 W electrical 2.19 kW



Model: Vitocal 200-A AWO 201.A16

General Data		
Power supply	3x400V 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	10.11 kW	9.16 kW
El input	2.04 kW	3.05 kW
СОР	4.95	3.00
Indoor water flow rate	1.40 m³/h	1.40 m³/h



EN 14825	
Pdesignh	11.65 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}	182 %	134 %
Prated	11.65 kW	11.98 kW
SCOP	4.62	3.42
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7° C	10.30 kW	10.60 kW
$COP Tj = -7^{\circ}C$	3.09	2.32
Pdh Tj = $+2$ °C	6.41 kW	6.25 kW
COP Tj = +2°C	4.49	3.34





This information was generated by the HF RETMARK database on 17 Dec 2020				
Pdh Tj = +7°C	7.27 kW	6.78 kW		
$COP Tj = +7^{\circ}C$	5.94	4.54		
Pdh Tj = 12°C	6.88 kW	6.63 kW		
COP Tj = 12°C	7.94	5.98		
Pdh Tj = Tbiv	10.30 kW	10.60 kW		
COP Tj = Tbiv	3.09	2.32		
Pdh Tj = TOL	9.39 kW	9.92 kW		
COP Tj = TOL	2.79	2.05		
Cdh	0.98	0.99		
WTOL	60 °C	60 °C		
Poff	40 W	40 W		
РТО	o w	o w		
PSB	25 W	25 W		
PCK	o w	o w		
Supplementary Heater: Type of energy input	electrical	electrical		
Supplementary Heater: PSUP	2.31 kW	2.13 kW		
Annual energy consumption Qhe	5210 kWh	7248 kWh		



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

General Data	
Power supply	3x400V 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	7.58 kW	7.89 kW	
El input	1.51 kW	2.67 kW	
СОР	5.01	2.96	
Indoor water flow rate	1.40 m³/h	1.40 m³/h	



EN 14825		
Pdesignh	9.75 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	
180 %	132 %	
9.75 kW	9.67 kW	
4.58	3.37	
-7 °C	-7 °C	
-20 °C	-20 °C	
8.63 kW	8.56 kW	
3.27	2.28	
5.34 kW	5.48 kW	
4.34	3.19	
	Low temperature 180 % 9.75 kW 4.58 -7 °C -20 °C 8.63 kW 3.27 5.34 kW	



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This information was generated by the HP KEYMARK database on 17 Dec 2020

This information was generated by the Fir RETP-Mitth database on 17 Bee 2020			
Pdh Tj = +7°C	6.63 kW	6.30 kW	
$COP Tj = +7^{\circ}C$	5.98	4.43	
Pdh Tj = 12°C	6.85 kW	6.61 kW	
COP Tj = 12°C	7.81	5.86	
Pdh Tj = Tbiv	8.63 kW	8.56 kW	
COP Tj = Tbiv	3.27	2.28	
Pdh Tj = TOL	7.87 kW	8.32 kW	
COP Tj = TOL	2.93	2.07	
Cdh	0.98	0.99	
WTOL	60 °C	60 °C	
Poff	24 W	24 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	1.93 kW	1.40 kW	
Annual energy consumption Qhe	4398 kWh	5933 kWh	



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

General Data	
Power supply	3x400V 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	8.88 kW	8.44 kW	
El input	1.78 kW	2.80 kW	
СОР	4.99	3.01	
Indoor water flow rate	1.40 m³/h	1.40 m³/h	



EN 14825		
Pdesignh	10.99 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	
182 %	134 %	
10.99 kW	11.00 kW	
4.64	3.42	
-7 °C	-7 °C	
-20 °C	-20 °C	
9.73 kW	9.73 kW	
3.16	2.28	
5.98 kW	5.87 kW	
4.46	3.28	
	Low temperature 182 % 10.99 kW 4.64 -7 °C -20 °C 9.73 kW 3.16 5.98 kW	



$$\operatorname{\textit{Page}}\ 16$$ of 28 This information was generated by the HP KEYMARK database on 17 Dec 2020

The time to the grant of the gr		
Pdh Tj = $+7^{\circ}$ C	6.86 kW	6.53 kW
$COP Tj = +7^{\circ}C$	6.05	4.50
Pdh Tj = 12°C	6.87 kW	6.61 kW
COP Tj = 12°C	7.91	5.90
Pdh Tj = Tbiv	9.73 kW	9.73 kW
COP Tj = Tbiv	3.16	2.28
Pdh Tj = TOL	8.86 kW	9.47 kW
COP Tj = TOL	2.84	2.07
Cdh	0.98	0.99
WTOL	60 °C	60 °C
Poff	31 W	31 W
РТО	o w	0 W
PSB	25 W	25 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	electrical	electrical
Supplementary Heater: PSUP	2.19 kW	1.59 kW
Annual energy consumption Qhe	4898 kWh	6652 kWh



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

General Data		
Power supply 3x400V 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	10.11 kW	9.16 kW	
El input	2.04 kW	3.05 kW	
СОР	4.95	3.00	
Indoor water flow rate	1.40 m³/h	1.40 m³/h	

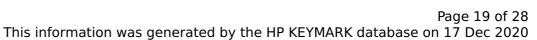


EN 14825		
Pdesignh	11.65 kW	
Rated airflow rate	4500 m³/h	

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}	182 %	134 %
Prated	11.65 kW	11.98 kW
SCOP	4.62	3.42
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	10.30 kW	10.60 kW
COP Tj = -7°C	3.09	2.32
Pdh Tj = +2°C	6.41 kW	6.25 kW
COP Tj = +2°C	4.49	3.34



This information was g	enerated by the III REII	THIN database on 17 Dec 202
Pdh Tj = +7°C	7.27 kW	6.78 kW
$COP Tj = +7^{\circ}C$	5.94	4.54
Pdh Tj = 12°C	6.88 kW	6.63 kW
COP Tj = 12°C	7.94	5.98
Pdh Tj = Tbiv	10.30 kW	10.60 kW
COP Tj = Tbiv	3.09	2.32
Pdh Tj = TOL	9.39 kW	9.92 kW
COP Tj = TOL	2.79	2.05
Cdh	0.98	0.99
WTOL	60 °C	60 °C
Poff	40 W	40 W
РТО	0 W	0 W
PSB	25 W	25 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	electrical	electrical
Supplementary Heater: PSUP	2.31 kW	2.13 kW
Annual energy consumption Qhe	5210 kWh	7248 kWh

CEN heat pump KEYMARK



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

General Data		
Power supply 3x400V 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	7.58 kW	7.89 kW	
El input	1.51 kW	2.67 kW	
СОР	5.01	2.96	
Indoor water flow rate	1.40 m³/h	1.40 m³/h	

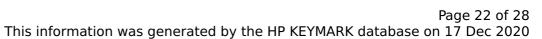


EN 14825		
Pdesignh	9.75 kW	
Rated airflow rate	4500 m³/h	

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}	180 %	132 %
Prated	9.75 kW	9.67 kW
SCOP	4.58	3.37
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7 °C	8.63 kW	8.56 kW
COP Tj = -7° C	3.27	2.28
Pdh Tj = $+2$ °C	5.34 kW	5.48 kW
$COP Tj = +2^{\circ}C$	4.34	3.19





This information was generated by the Til NETHAMM database on 17 Bee 2020		
6.63 kW	6.30 kW	
5.98	4.43	
6.85 kW	6.61 kW	
7.81	5.86	
8.63 kW	8.56 kW	
3.27	2.28	
7.87 kW	8.32 kW	
2.93	2.07	
0.98	0.99	
60 °C	60 °C	
24 W	24 W	
o w	o w	
25 W	25 W	
0 W	0 W	
electrical	electrical	
1.93 kW	1.40 kW	
4398 kWh	5933 kWh	
	6.63 kW 5.98 6.85 kW 7.81 8.63 kW 3.27 7.87 kW 2.93 0.98 60 °C 24 W 0 W 25 W 0 W electrical 1.93 kW	



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

General Data	
Power supply 3x400V 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	8.88 kW	8.44 kW
El input	1.78 kW	2.80 kW
СОР	4.99	3.01
Indoor water flow rate	1.40 m³/h	1.40 m³/h

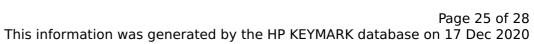


EN 14825	
Pdesignh	10.99 kW
Rated airflow rate	4500 m³/h

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}	182 %	134 %
Prated	10.99 kW	11.00 kW
SCOP	4.64	3.42
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7 °C	9.73 kW	9.73 kW
COP Tj = -7 °C	3.16	2.28
Pdh Tj = $+2$ °C	5.98 kW	5.87 kW
COP Tj = +2°C	4.46	3.28





The time to the grant of the gr		
Pdh Tj = $+7^{\circ}$ C	6.86 kW	6.53 kW
$COP Tj = +7^{\circ}C$	6.05	4.50
Pdh Tj = 12°C	6.87 kW	6.61 kW
COP Tj = 12°C	7.91	5.90
Pdh Tj = Tbiv	9.73 kW	9.73 kW
COP Tj = Tbiv	3.16	2.28
Pdh Tj = TOL	8.86 kW	9.47 kW
COP Tj = TOL	2.84	2.07
Cdh	0.98	0.99
WTOL	60 °C	60 °C
Poff	31 W	31 W
РТО	o w	0 W
PSB	25 W	25 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	electrical	electrical
Supplementary Heater: PSUP	2.19 kW	1.59 kW
Annual energy consumption Qhe	4898 kWh	6652 kWh



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

General Data	
Power supply	3x400V 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	10.11 kW	9.16 kW
El input	2.04 kW	3.05 kW
СОР	4.95	3.00
Indoor water flow rate	1.40 m³/h	1.40 m³/h

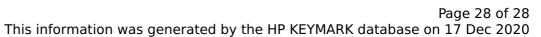


EN 14825		
Pdesignh	11.65 kW	
Rated airflow rate	4500 m³/h	

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}	182 %	134 %		
Prated	11.65 kW	11.98 kW		
SCOP	4.62	3.42		
Tbiv	-7 °C	-7 °C		
TOL	-20 °C	-20 °C		
Pdh Tj = -7°C	10.30 kW	10.60 kW		
COP Tj = -7°C	3.09	2.32		
Pdh Tj = +2°C	6.41 kW	6.25 kW		
COP Tj = +2°C	4.49	3.34		





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Pdh Tj = +7°C	7.27 kW	6.78 kW
$COPTj = +7^{\circ}C$	5.94	4.54
Pdh Tj = 12°C	6.88 kW	6.63 kW
COP Tj = 12°C	7.94	5.98
Pdh Tj = Tbiv	10.30 kW	10.60 kW
COP Tj = Tbiv	3.09	2.32
Pdh Tj = TOL	9.39 kW	9.92 kW
COP Tj = TOL	2.79	2.05
Cdh	0.98	0.99
WTOL	60 °C	60 °C
Poff	40 W	40 W
РТО	0 W	0 W
PSB	25 W	25 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	electrical	electrical
Supplementary Heater: PSUP	2.31 kW	2.13 kW
Annual energy consumption Qhe	5210 kWh	7248 kWh