

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

Summary of	Vitocal 2xx-S ODU2	Reg. No.	011-1W0200
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-S ODU2		
Heat Pump Type	Outdoor Air/Water		
Refrigerant	R410a		
Mass Of Refrigerant	2.39 kg		

# Model: Vitocal 200-S AWB-M-E-AC 201.D08

## General Data

Power supply	1x230V 50Hz
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## Heating

### 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	5.62 kW	4.97 kW
El input	1.19 kW	1.81 kW
COP	4.71	2.76
Indoor water flow rate	0.97 m <sup>3</sup> /h	0.70 m <sup>3</sup> /h

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<b>EN 14825</b>	
P <sub>designh</sub>	6.82 kW
Rated airflow rate	2600 m <sup>3</sup> /h

## Average Climate

<b>EN 12102-1</b>		
	<b>Low temperature</b>	<b>Medium temperature</b>
Sound power level indoor	39 dB(A)	39 dB(A)
Sound power level outdoor	55 dB(A)	55 dB(A)

<b>EN 14825</b>		
	<b>Low temperature</b>	<b>Medium temperature</b>
$\eta_s$	175 %	127 %
P <sub>rated</sub>	6.82 kW	6.41 kW
SCOP	4.46	3.25
T <sub>biv</sub>	-7 °C	-7 °C
TOL	-20 °C	-20 °C
P <sub>dh</sub> T <sub>j</sub> = -7°C	6.04 kW	5.67 kW
COP T <sub>j</sub> = -7°C	3.07	2.15
P <sub>dh</sub> T <sub>j</sub> = +2°C	3.67 kW	3.53 kW
COP T <sub>j</sub> = +2°C	4.35	3.10

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Pdh Tj = +7°C	4.36 kW	4.14 kW
COP Tj = +7°C	5.70	4.26
Pdh Tj = 12°C	4.17 kW	4.01 kW
COP Tj = 12°C	7.17	5.72
Pdh Tj = Tbiv	6.04 kW	5.67 kW
COP Tj = Tbiv	3.07	2.15
Pdh Tj = TOL	5.41 kW	5.38 kW
COP Tj = TOL	2.74	1.99
Cdh	0.98	0.99
WTOL	60 °C	60 °C
Poff	14 W	14 W
PTO	0 W	0 W
PSB	16 W	16 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	electrical	electrical
Supplementary Heater: PSUP	1.45 kW	1.06 kW
Annual energy consumption Qhe	3163 kWh	4071 kWh

# Model: Vitocal 200-S AWB-M 201.D08

## General Data

Power supply	1x230V 50Hz
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## Heating

### 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
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Supplementary Heater: Type of energy input	electrical	electrical
Supplementary Heater: PSUP	1.45 kW	1.06 kW
Annual energy consumption Qhe	3163 kWh	4071 kWh

# Model: Vitocal 200-S AWB-E-M 201.D08

## General Data

Power supply	1x230V 50Hz
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## Average Climate

### EN 14825

	Low temperature	Medium temperature
$\eta_s$	175 %	127 %
Prated	6.82 kW	6.41 kW
SCOP	4.46	3.25
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
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PSB	16 W	16 W
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Supplementary Heater: Type of energy input	electrical	electrical
Supplementary Heater: PSUP	1.45 kW	1.06 kW
Annual energy consumption Qhe	3163 kWh	4332 kWh

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## Heating

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### 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	5.62 kW	4.97 kW
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COP	4.71	2.76
Indoor water flow rate	0.97 m <sup>3</sup> /h	0.70 m <sup>3</sup> /h

### EN 14825

P <sub>designh</sub>	6.82 kW
Rated airflow rate	2600 m <sup>3</sup> /h

# Model: Vitocal 222-S AWBT-M 221.C08

## General Data

Power supply	1x230V 50Hz
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## Heating

### EN 14511-2

	Low temperature	Medium temperature
Heat output	5.62 kW	4.97 kW
El input	1.19 kW	1.81 kW
COP	4.71	2.76
Indoor water flow rate	0.97 m <sup>3</sup> /h	0.70 m <sup>3</sup> /h

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Supplementary Heater: Type of energy input	electrical	electrical
Supplementary Heater: PSUP	1.45 kW	1.06 kW
Annual energy consumption Qhe	3163 kWh	4071 kWh

# Model: Vitocal 222-S AWBT-M-E-AC 221.C08

## General Data

Power supply	1x230V 50Hz
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