

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

Summary of	Vitocal 2xx-G M B06	Reg. No.	011-1W0288
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	Heat Pump Test Center WPZ		
Subtype title	Vitocal 2xx-G M B06		
Heat Pump Type	Brine/Water		
Refrigerant	R410a		
Mass Of Refrigerant	1.4 kg		
Certification Date	11.07.2019		

Model: VITOCAL 200-G BWC-M 201.B06

General Data

Power supply	1x230V 50Hz
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Heating

EN 14511-2

	Low temperature	Medium temperature
Heat output	5.79 kW	5.19 kW
El input	1.34 kW	2.07 kW
COP	4.31	2.51
Indoor water flow rate	0.99 m ³ /h	0.64 m ³ /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

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

EN 12102-1

	Low temperature	Medium temperature
Sound power level indoor	40 dB(A)	40 dB(A)

EN 14825

		Low temperature	Medium temperature
P _{designh}	6.37 kW		
η_s	201 %	133 %	
P _{rated}	6.37 kW	5.75 kW	
SCOP	5.23	3.52	
T _{biv}	-7 °C	-7 °C	
TOL	-10 °C	-10 °C	
P _{dh} T _j = -7°C	5.61 kW	5.06 kW	
COP T _j = -7°C	4.92	2.95	
C _{dh}	0.99	0.99	
P _{dh} T _j = +2°C	5.66 kW	5.12 kW	
COP T _j = +2°C	5.26	3.50	
C _{dh}	0.99	0.99	
P _{dh} T _j = +7°C	5.69 kW	5.27 kW	
COP T _j = +7°C	5.54	3.91	
C _{dh}	0.99	0.99	

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Pdh Tj = 12°C	5.72 kW	5.37 kW
COP Tj = 12°C	5.86	4.41
Cdh	0.99	0.99
Pdh Tj = Tbiv	5.61 kW	5.06 kW
COP Tj = Tbiv	4.92	2.95
Pdh Tj = TOL	5.60 kW	5.16 kW
COP Tj = TOL	4.85	2.85
Cdh	0.99	0.99
WTOL	65 °C	65 °C
Poff	0 W	0 W
PTO	0 W	0 W
PSB	12 W	12 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	electric	electric
Supplementary Heater: PSUP	0.77 kW	0.59 kW
Backup Heater	0.00 kW	
Annual energy consumption Qhe	2516 kWh	3378 kWh

Warmer Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	40 dB(A)	40 dB(A)

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EN 14825		
	Low temperature	Medium temperature
η_s	204 %	130 %
Prated	5.59 kW	5.22 kW
SCOP	5.16	3.46
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	5.59 kW	5.22 kW
COP Tj = +2°C	4.69	2.80
Cdh	0.99	0.99
Pdh Tj = +7°C	5.60 kW	5.15 kW
COP Tj = +7°C	4.93	3.17
Cdh	0.99	0.99
Pdh Tj = 12°C	5.68 kW	5.48 kW
COP Tj = 12°C	5.43	3.96
Cdh	0.99	0.99
Pdh Tj = Tbiv	5.59 kW	5.22 kW
COP Tj = Tbiv	4.69	2.80
Pdh Tj = TOL	5.59 kW	5.22 kW
COP Tj = TOL	4.69	2.80
Cdh	0.99	0.99

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WTOL	65 °C	65 °C
Poff	0 W	0 W
PTO	0 W	0 W
PSB	12 W	12 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	electric	electric
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	1447 kWh	2014 kWh

Colder Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	40 dB(A)	40 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_s	183 %	132 %
Prated	9.15 kW	8.41 kW
SCOP	4.79	3.51
Tbiv	-7 °C	-7 °C
TOL	-22 °C	-22 °C

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Pdh Tj = -7°C	5.60 kW	5.17 kW
COP Tj = -7°C	5.32	3.46
Cdh	0.99	0.99
Pdh Tj = +2°C	5.65 kW	5.39 kW
COP Tj = +2°C	5.63	4.00
Cdh	0.99	0.99
Pdh Tj = +7°C	5.67 kW	5.46 kW
COP Tj = +7°C	5.85	4.43
Cdh	0.99	0.99
Pdh Tj = 12°C	5.71 kW	5.49 kW
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Pdh Tj = Tbiv	5.60 kW	5.17 kW
COP Tj = Tbiv	5.32	3.46
Pdh Tj = TOL	5.32 kW	5.23 kW
COP Tj = TOL	4.85	2.91
Cdh	0.99	0.99
WTOL	65 °C	65 °C
Poff	0 W	0 W
PTO	0 W	0 W
PSB	12 W	12 W

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PCK	0 W	0 W
Supplementary Heater: Type of energy input	electric	electric
Supplementary Heater: PSUP	3.62 kW	3.18 kW
Annual energy consumption Q _{he}	4713 kWh	5907 kWh
P _{dh} T _j = -15°C (if TOL<-20°C)	5.82	5.23
COP T _j = -15°C (if TOL<-20°C)	4.85	2.91
C _{dh}	0.99	0.99

Model: VITOCAL 222-G BWT-M 221.B06

General Data

Power supply	1x230V 50Hz
Off-peak product	Yes

Heating

EN 14511-2

	Low temperature	Medium temperature
Heat output	5.79 kW	5.19 kW
El input	1.34 kW	2.07 kW
COP	4.31	2.51
Indoor water flow rate	0.99 m ³ /h	0.64 m ³ /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

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

EN 12102-1

	Low temperature	Medium temperature
Sound power level indoor	40 dB(A)	40 dB(A)

EN 14825

		Low temperature	Medium temperature
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PCK	0 W	0 W
Supplementary Heater: Type of energy input	electric	electric
Supplementary Heater: PSUP	0.77 kW	0.59 kW
Backup Heater	0.00 kW	
Annual energy consumption Qhe	2516 kWh	3378 kWh

Warmer Climate

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Pdh Tj = Tbiv	5.59 kW	5.22 kW

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COP $T_j = T_{biv}$	4.69	2.80
P _{dh} $T_j = TOL$	5.59 kW	5.22 kW
COP $T_j = TOL$	4.69	2.80
C _{dh}	0.99	0.99
WTOL	65 °C	65 °C
P _{off}	0 W	0 W
P _{TO}	0 W	0 W
P _{SB}	12 W	12 W
P _{CK}	0 W	0 W
Supplementary Heater: Type of energy input	electric	electric
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Q _{he}	1447 kWh	2014 kWh

Colder Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	40 dB(A)	40 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_s	183 %	132 %

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Cdh	0.99	0.99

Domestic Hot Water (DHW)

Average Climate

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

EN 16147	
Declared load profile	XL
Efficiency η_{DHW}	130 %
COP	3.05
Heating up time	2:10 h:min
Standby power input	63.0 W
Reference hot water temperature	54.1 °C
Mixed water at 40°C	293 l

Warmer Climate

EN 16147	
Declared load profile	XL
Efficiency η_{DHW}	130 %
COP	3.05
Heating up time	2:10 h:min
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Heating

EN 14511-2

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Supplementary Heater: Type of energy input	electric	electric
Supplementary Heater: P _{SUP}	0.00 kW	0.00 kW
Annual energy consumption Q _{he}	1447 kWh	2014 kWh

Colder Climate

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Average Climate

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