

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	

Heating

EN 14511-2			
	Low temperature	Medium temperature	
Heat output	5.79 kW	5.19 kW	
El input	1.34 kW	2.07 kW	
СОР	4.31	2.51	
Indoor water flow rate	0.99 m³/h	0.64 m³/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



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

EN 14825			
		Low temperature	Medium temperature
Pdesignh	6.37 kW		
η_{s}	201 %	133 %	
Prated	6.37 kW	5.75 kW	-
SCOP	5.23	3.52	-
Tbiv	-7 °C	-7 °C	
TOL	-10 °C	-10 °C	
Pdh Tj = -7°C	5.61 kW	5.06 kW	
COP Tj = -7°C	4.92	2.95	
Cdh	0.99	0.99	
Pdh Tj = +2°C	5.66 kW	5.12 kW	
COP Tj = +2°C	5.26	3.50	
Cdh	0.99	0.99	
Pdh Tj = +7°C	5.69 kW	5.27 kW	
COP Tj = +7°C	5.54	3.91	
Cdh	0.99	0.99	





This information w	do generate	a by the Hi RETHAR	,
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	o w	
PSB	12 W	12 W	
PCK	0 W	o 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)	



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	





WTOL	65 °C	65 °C
Poff	o w	o w
РТО	o w	o w
PSB	12 W	12 W
PCK	o w	o 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 te	mperature	Medium temperature
η_{s}	183 %		132 %
Prated	9.15 kW	I	8.41 kW
SCOP	4.79		3.51
Tbiv	-7 °C		-7 °C
TOL	-22 °C		-22 °C





This information was get	Terated by the HP KETM	ARK database on 17 Dec 2020
Pdh Tj = -7°C	5.60 kW	5.17 kW
$COP Tj = -7^{\circ}C$	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 = $+7^{\circ}$ C	5.67 kW	5.46 kW
$COPTj = +7^{\circ}C$	5.85	4.43
Cdh	0.99	0.99
Pdh Tj = 12°C	5.71 kW	5.49 kW
COP Tj = 12°C	5.95	4.80
Cdh	0.99	0.99
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
РТО	o w	0 W
PSB	12 W	12 W



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

PCK	o w	o w
Supplementary Heater: Type of energy input	electric	electric
Supplementary Heater: PSUP	3.62 kW	3.18 kW
Annual energy consumption Qhe	4713 kWh	5907 kWh
Pdh Tj = -15°C (if TOL<-20°C)	5.82	5.23
COP Tj = -15°C (if TOL $<$ -20°C)	4.85	2.91
Cdh	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
СОР	4.31	2.51
Indoor water flow rate	0.99 m³/h	0.64 m³/h

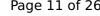
EN 14511-4	
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

Average Climate



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

EN 14825			
		Low temperature	Medium temperature
Pdesignh	6.37 kW		
η_{s}	201 %	133 %	
Prated	6.37 kW	5.75 kW	
SCOP	5.23	3.52	
Tbiv	-7 °C	-7 °C	
TOL	-10 °C	-10 °C	
Pdh Tj = -7°C	5.61 kW	5.06 kW	
COP Tj = -7°C	4.92	2.95	
Cdh	0.99	0.99	
Pdh Tj = +2°C	5.66 kW	5.12 kW	
COP Tj = +2°C	5.26	3.50	
Cdh	0.99	0.99	
Pdh Tj = +7°C	5.69 kW	5.27 kW	
COP Tj = +7°C	5.54	3.91	
Cdh	0.99	0.99	





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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	o w	o w
РТО	o w	o w
PSB	12 W	12 W
PCK	o w	o 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

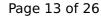
Warmer Climate



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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}	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
WTOL	65 °C	65 °C
Poff	o w	o w
РТО	0 W	o w
PSB	12 W	12 W
PCK	o 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

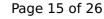
EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	40 dB(A)	40 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{S}	183 %	132 %





		TARK database on 17 Dec 2020
Prated	9.15 kW	8.41 kW
SCOP	4.79	3.51
Tbiv	-7 °C	-7 °C
TOL	-22 °C	-22 °C
Pdh Tj = -7°C	5.60 kW	5.17 kW
COP Tj = -7°C	5.32	3.46
Cdh	0.99	0.99
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Pdh Tj = TOL	5.32 kW	5.23 kW
COP Tj = TOL	4.85	2.91
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WTOL	65 °C	65 °C
Poff	0 W	o w
РТО	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	3.62 kW	3.18 kW
Annual energy consumption Qhe	4713 kWh	5907 kWh
Pdh Tj = -15°C (if TOL<-20°C)	5.82	5.23
COP Tj = -15°C (if TOL $<$ -20°C)	4.85	2.91
Cdh	0.99	0.99

Domestic Hot Water (DHW)

Average Climate

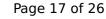


EN 16147	
Declared load profile	XL
Efficiency ηDHW	130 %
СОР	3.05
Heating up time	2:10 h:min
Standby power input	63.0 W
Reference hot water temperature	54.1 °C
Mixed water at 40°C	293 I

Warmer Climate

EN 16147	
Declared load profile	XL
Efficiency ηDHW	130 %
СОР	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 I

Colder Climate





EN 16147		
Declared load profile	XL	
Efficiency ηDHW	130 %	
СОР	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 I	



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

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
СОР	4.31	2.51
Indoor water flow rate	0.99 m³/h	0.64 m³/h

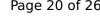
EN 14511-4	
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

Average Climate



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

EN 14825			
		Low temperature	Medium temperature
Pdesignh	6.37 kW		
η_{s}	201 %	133 %	
Prated	6.37 kW	5.75 kW	
SCOP	5.23	3.52	
Tbiv	-7 °C	-7 °C	
TOL	-10 °C	-10 °C	
Pdh Tj = -7°C	5.61 kW	5.06 kW	
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Cdh	0.99	0.99	
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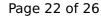
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Warmer Climate



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}	204 %	130 %
Prated	5.59 kW	5.22 kW
SCOP	5.16	3.46
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TOL	2 °C	2 °C
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Cdh	0.99	0.99
WTOL	65 °C	65 °C
Poff	o w	o w
РТО	o w	o 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

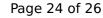
EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	40 dB(A)	40 dB(A)

EN 14825		
	Low temperature	Medium temperature
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WTOL	65 °C	65 °C
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Domestic Hot Water (DHW)

Average Climate



EN 16147	
Declared load profile	XL
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СОР	3.05
Heating up time	2:10 h:min
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Warmer Climate

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Colder Climate





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