

Summary of	Vitocal 2xx-G B17	Reg. No.	011-1W0211	
Certificate Holder				
Name	Viessmann Wärmepump	en 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 V	Heat Pump Test Center WPZ		
Subtype title	Vitocal 2xx-G B17			
Heat Pump Type	Brine/Water			
Refrigerant	R410a			
Mass Of Refrigerant	2.6 kg			
Certification Date	18.08.2020			



Model: VITOCAL 200-G BWC 201.B17

General Data	
Power supply	3x400V 50Hz

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	17.31 kW	16.13 kW
El input	3.84 kW	5.40 kW
СОР	4.51	2.99
Indoor water flow rate	2.99 m³/h	1.74 m³/h

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

Average Climate



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	47 dB(A)	47 dB(A)

EN 14825			
		Low temperature	Medium temperature
Pdesignh	17.00 kW		
η_{s}	184 %	140 %	
Prated	17.31 kW	16.13 kW	-
SCOP	4.82	3.71	
Tbiv	-10 °C	-10 °C	
TOL	-10 °C	-10 °C	
Pdh Tj = -7°C	17.34 kW	16.25 kW	
COP Tj = -7°C	4.54	3.13	
Cdh	0.99	0.99	
Pdh Tj = +2°C	17.44 kW	16.69 kW	
COP Tj = +2°C	4.79	3.68	
Cdh	0.99	0.99	
Pdh Tj = +7°C	17.49 kW	16.92 kW	
COP Tj = +7°C	5.04	4.05	
Cdh	0.99	0.99	





Pdh Tj = 12°C	17.60 kW	17.12 kW
COP Tj = 12°C	5.26	4.46
Cdh	0.99	0.99
Pdh Tj = Tbiv	17.31 kW	16.13 kW
COP Tj = Tbiv	4.51	2.99
Pdh Tj = TOL	17.31 kW	16.13 kW
COP Tj = TOL	4.51	2.99
Cdh	0.99	0.99
WTOL	65 °C	65 °C
Poff	o w	0 W
РТО	o w	0 W
PSB	15 W	18 W
PCK	o w	0 W
Supplementary Heater: Type of energy input	electric	electric
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Backup Heater	0.00 kW	
Annual energy consumption Qhe	7293 kWh	8912 kWh

Warmer Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	47 dB(A)	47 dB(A)



EN 14825

LN 14025			
	Low temperature	Medium temperature	
η_{s}	187 %	140 %	
Prated	17.35 kW	16.12 kW	
SCOP	4.87	3.71	
Tbiv	2 °C	2 °C	
TOL	2 °C	2 °C	
Pdh Tj = +2°C	17.35 kW	16.12 kW	
COP Tj = +2°C	4.52	3.00	
Cdh	0.99	0.99	
Pdh Tj = +7°C	17.44 kW	16.45 kW	
COP Tj = +7°C	4.74	3.43	
Cdh	0.99	0.99	
Pdh Tj = 12°C	17.56 kW	16.98 kW	
COP Tj = 12°C	5.12	4.18	
Cdh	0.99	0.99	
Pdh Tj = Tbiv	17.35 kW	16.12 kW	
COP Tj = Tbiv	4.52	3.00	
Pdh Tj = TOL	17.35 kW	16.12 kW	
COP Tj = TOL	4.52	3.00	
Cdh	0.99	0.99	





WTOL	65 °C	65 °C
Poff	o w	o w
РТО	o w	o w
PSB	16 W	19 W
PCK	0 W	o w
Supplementary Heater: Type of energy input	electric	electric
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	4659 kWh	5754 kWh

Colder Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	47 dB(A)	47 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{s}	189 %	143 %
Prated	17.35 kW	16.15 kW
SCOP	4.92	3.79
Tbiv	-22 °C	-22 °C
TOL	-22 °C	-22 °C





This information was generated by the HP KEYMARK database on 17 Dec 2020				
Pdh Tj = -7°C	17.47 kW	16.60 kW		
$COPTj = -7^{\circ}C$	4.82	3.57		
Cdh	0.99	0.99		
Pdh Tj = +2°C	17.55 kW	16.87 kW		
COP Tj = +2°C	5.04	3.97		
Cdh	0.99	0.99		
Pdh Tj = $+7^{\circ}$ C	17.58 kW	17.05 kW		
$COPTj = +7^{\circ}C$	5.21	3.84		
Cdh	0.99	0.99		
Pdh Tj = 12°C	17.63 kW	17.17 kW		
COP Tj = 12°C	5.25	4.63		
Cdh	0.99	0.99		
Pdh Tj = Tbiv	17.35 kW	16.15 kW		
COP Tj = Tbiv	4.52	3.00		
Pdh Tj = TOL	17.35 kW	16.15 kW		
COP Tj = TOL	4.52	3.00		
Cdh	0.99	0.99		
WTOL	65 °C	65 °C		
Poff	o w	o w		
РТО	o w	o w		
PSB	17 W	20 W		
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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	8512 kWh	10410 kWh
Pdh Tj = -15°C (if TOL<-20°C)	10.47	9.65
COP Tj = -15°C (if TOL $<$ -20°C)	6.39	3.51
Cdh	0.99	0.99



Model: VITOCAL 200-G BWC 201.B17 SC

General Data		
Power supply	3x400V 50Hz	

Heating

EN 14511-2			
	Low temperature	Medium temperature	
Heat output	17.31 kW	16.13 kW	
El input	3.84 kW	5.40 kW	
СОР	4.51	2.99	
Indoor water flow rate	2.99 m³/h	1.74 m³/h	

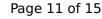
EN 14511-4		
Shutting off the heat transfer medium flow	failed	
Complete power supply failure	failed	
Defrost test	failed	
Starting and operating test	failed	

Average Climate



EN 12102-1		
Low temperature Medium temperature		
Sound power level indoor	47 dB(A)	47 dB(A)

EN 14825			
		Low temperature	Medium temperature
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η_{s}	184 %	140 %	
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Pdh Tj = TOL	17.31 kW	16.13 kW
COP Tj = TOL	4.51	2.99
Cdh	0.99	0.99
WTOL	65 °C	65 °C
Poff	0 W	0 W
РТО	o w	0 W
PSB	15 W	18 W
PCK	o w	0 W
Supplementary Heater: Type of energy input	electric	electric
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Backup Heater	0.00 kW	
Annual energy consumption Qhe	7293 kWh	8912 kWh

Warmer Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	47 dB(A)	47 dB(A)



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EN 14825

LN 14023		
	Low temperature	Medium temperature
η_{s}	187 %	140 %
Prated	17.35 kW	16.12 kW
SCOP	4.87	3.71
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	17.35 kW	16.12 kW
COP Tj = +2°C	4.52	3.00
Cdh	0.99	0.99
Pdh Tj = +7°C	17.44 kW	16.45 kW
COP Tj = +7°C	4.74	3.43
Cdh	0.99	0.99
Pdh Tj = 12°C	17.56 kW	16.98 kW
COP Tj = 12°C	5.12	4.18
Cdh	0.99	0.99
Pdh Tj = Tbiv	17.35 kW	16.12 kW
COP Tj = Tbiv	4.52	3.00
Pdh Tj = TOL	17.35 kW	16.12 kW
COP Tj = TOL	4.52	3.00
Cdh	0.99	0.99





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WTOL	65 °C	65 °C	
Poff	o w	0 W	
РТО	0 W	o w	
PSB	16 W	19 W	
PCK	o w	o w	
Supplementary Heater: Type of energy input	electric	electric	
Supplementary Heater: PSUP	0.00 kW	0.00 kW	

Colder Climate

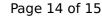
Annual energy consumption Qhe

EN 12102-1			
	Low temperature	Medium temperature	
Sound power level indoor	47 dB(A)	47 dB(A)	

4659 kWh

5754 kWh

EN 14825			
	Low temperature	Medium temperature	
η_{s}	189 %	143 %	
Prated	17.35 kW	16.15 kW	
SCOP	4.92	3.79	
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Pdh Tj = $+2$ °C	17.55 kW	16.87 kW
$COP Tj = +2^{\circ}C$	5.04	3.97
Cdh	0.99	0.99
Pdh Tj = $+7^{\circ}$ C	17.58 kW	17.05 kW
$COP Tj = +7^{\circ}C$	5.21	3.84
Cdh	0.99	0.99
Pdh Tj = 12°C	17.63 kW	17.17 kW
COP Tj = 12°C	5.25	4.63
Cdh	0.99	0.99
Pdh Tj = Tbiv	17.35 kW	16.15 kW
COP Tj = Tbiv	4.52	3.00
Pdh Tj = TOL	17.35 kW	16.15 kW
COP Tj = TOL	4.52	3.00
Cdh	0.99	0.99
WTOL	65 °C	65 °C
Poff	0 W	o w
РТО	0 W	o w
PSB	17 W	20 W
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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	8512 kWh	10410 kWh
Pdh Tj = -15°C (if TOL<-20°C)	10.47	9.65
COP Tj = -15°C (if TOL $<$ -20°C)	6.39	3.51
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