

This information was generated by the HP KEYMARK database on 22 Jun 2022

[Login](#)

Summary of	Vitocal 2xx-G B17	Reg. No.	011-1W0211
Certificate Holder			
Name	Viessmann Wärmepumpen GmbH		
Address	Viessmannstr. 1	Zip	35107
City	Allendorf/Eder	Country	Germany
Certification Body	DIN CERTCO Gesellschaft für Konformitätsbewertung mbH		
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

Configure model	
Model name	VITOCAL 200-G BWC 201.B17
Application	Heating (medium temp)
Units	Indoor
Climate Zone	Colder Climate + Warmer Climate
Reversibility	No
Cooling mode application (optional)	n/a

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
COP	4.51	2.99

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

Warmer Climate

This information was generated by the HP KEYMARK database on 22 Jun 2022

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	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 Tj = +2 °C	0.99	0.99
Pdh Tj = +7°C	17.44 kW	16.45 kW
COP Tj = +7°C	4.74	3.43
Cdh Tj = +7 °C	0.99	0.99
Pdh Tj = 12°C	17.56 kW	16.98 kW
COP Tj = 12°C	5.12	4.18
Cdh Tj = +12 °C	0.99	0.99
Pdh Tj = Tbiv	17.35 kW	16.12 kW

This information was generated by the HP KEYMARK database on 22 Jun 2022

COP Tj = Tbiv	4.52	3.00
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	17.35 kW	16.12 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	4.52	3.00
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.99	0.99
WTOL	65 °C	65 °C
Poff	0 W	0 W
PTO	0 W	0 W
PSB	16 W	19 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
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 %

This information was generated by the HP KEYMARK database on 22 Jun 2022

Prated	17.35 kW	16.15 kW
SCOP	4.92	3.79
Tbiv	-22 °C	-22 °C
TOL	-22 °C	-22 °C
Pdh Tj = -7°C	17.47 kW	16.60 kW
COP Tj = -7°C	4.82	3.57
Cdh Tj = -7 °C	0.99	0.99
Pdh Tj = +2°C	17.55 kW	16.87 kW
COP Tj = +2°C	5.04	3.97
Cdh Tj = +2 °C	0.99	0.99
Pdh Tj = +7°C	17.58 kW	17.05 kW
COP Tj = +7°C	5.21	3.84
Cdh Tj = +7 °C	0.99	0.99
Pdh Tj = 12°C	17.63 kW	17.17 kW
COP Tj = 12°C	5.25	4.63
Cdh Tj = +12 °C	0.99	0.99
Pdh Tj = Tbiv	17.35 kW	16.15 kW
COP Tj = Tbiv	4.52	3.00
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	17.35 kW	16.15 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	4.52	3.00
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.99	0.99

This information was generated by the HP KEYMARK database on 22 Jun 2022

WTOL	65 °C	65 °C
Poff	0 W	0 W
PTO	0 W	0 W
PSB	17 W	20 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
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 Tj = -15 °C	0.99	0.99

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 %	

This information was generated by the HP KEYMARK database on 22 Jun 2022

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 Tj = -7 °C	0.99	0.99
Pdh Tj = +2°C	17.44 kW	16.69 kW
COP Tj = +2°C	4.79	3.68
Cdh Tj = +2 °C	0.99	0.99
Pdh Tj = +7°C	17.49 kW	16.92 kW
COP Tj = +7°C	5.04	4.05
Cdh Tj = +7 °C	0.99	0.99
Pdh Tj = 12°C	17.60 kW	17.12 kW
COP Tj = 12°C	5.26	4.46
Cdh Tj = +12 °C	0.99	0.99
Pdh Tj = Tbiv	17.31 kW	16.13 kW
COP Tj = Tbiv	4.51	2.99
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	17.31 kW	16.13 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	4.51	2.99

This information was generated by the HP KEYMARK database on 22 Jun 2022

Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.99	0.99
WTOL	65 °C	65 °C
Poff	0 W	0 W
PTO	0 W	0 W
PSB	15 W	18 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Backup Heater	0.00 kW	
Annual energy consumption Qhe	7293 kWh	8912 kWh

Model: VITOCAL 200-G BWC 201.B17 SC

Configure model	
Model name	VITOCAL 200-G BWC 201.B17 SC
Application	Heating (medium temp)
Units	Indoor
Climate Zone	Colder Climate + Warmer Climate
Reversibility	No
Cooling mode application (optional)	n/a

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
COP	4.51	2.99

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

Warmer Climate

This information was generated by the HP KEYMARK database on 22 Jun 2022

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	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 Tj = +2 °C	0.99	0.99
Pdh Tj = +7°C	17.44 kW	16.45 kW
COP Tj = +7°C	4.74	3.43
Cdh Tj = +7 °C	0.99	0.99
Pdh Tj = 12°C	17.56 kW	16.98 kW
COP Tj = 12°C	5.12	4.18
Cdh Tj = +12 °C	0.99	0.99
Pdh Tj = Tbiv	17.35 kW	16.12 kW

This information was generated by the HP KEYMARK database on 22 Jun 2022

COP Tj = Tbiv	4.52	3.00
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	17.35 kW	16.12 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	4.52	3.00
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.99	0.99
WTOL	65 °C	65 °C
Poff	0 W	0 W
PTO	0 W	0 W
PSB	16 W	19 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
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 %

This information was generated by the HP KEYMARK database on 22 Jun 2022

Prated	17.35 kW	16.15 kW
SCOP	4.92	3.79
Tbiv	-22 °C	-22 °C
TOL	-22 °C	-22 °C
Pdh Tj = -7°C	17.47 kW	16.60 kW
COP Tj = -7°C	4.82	3.57
Cdh Tj = -7 °C	0.99	0.99
Pdh Tj = +2°C	17.55 kW	16.87 kW
COP Tj = +2°C	5.04	3.97
Cdh Tj = +2 °C	0.99	0.99
Pdh Tj = +7°C	17.58 kW	17.05 kW
COP Tj = +7°C	5.21	3.84
Cdh Tj = +7 °C	0.99	0.99
Pdh Tj = 12°C	17.63 kW	17.17 kW
COP Tj = 12°C	5.25	4.63
Cdh Tj = +12 °C	0.99	0.99
Pdh Tj = Tbiv	17.35 kW	16.15 kW
COP Tj = Tbiv	4.52	3.00
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	17.35 kW	16.15 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	4.52	3.00
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.99	0.99

This information was generated by the HP KEYMARK database on 22 Jun 2022

WTOL	65 °C	65 °C
Poff	0 W	0 W
PTO	0 W	0 W
PSB	17 W	20 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
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 Tj = -15 °C	0.99	0.99

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 %	

This information was generated by the HP KEYMARK database on 22 Jun 2022

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 Tj = -7 °C	0.99	0.99
Pdh Tj = +2°C	17.44 kW	16.69 kW
COP Tj = +2°C	4.79	3.68
Cdh Tj = +2 °C	0.99	0.99
Pdh Tj = +7°C	17.49 kW	16.92 kW
COP Tj = +7°C	5.04	4.05
Cdh Tj = +7 °C	0.99	0.99
Pdh Tj = 12°C	17.60 kW	17.12 kW
COP Tj = 12°C	5.26	4.46
Cdh Tj = +12 °C	0.99	0.99
Pdh Tj = Tbiv	17.31 kW	16.13 kW
COP Tj = Tbiv	4.51	2.99
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	17.31 kW	16.13 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	4.51	2.99

This information was generated by the HP KEYMARK database on 22 Jun 2022

Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.99	0.99
WTOL	65 °C	65 °C
Poff	0 W	0 W
PTO	0 W	0 W
PSB	15 W	18 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Backup Heater	0.00 kW	
Annual energy consumption Qhe	7293 kWh	8912 kWh