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#### 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	
СОР	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



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

EN 14825			
	Low temperature	Medium temperature	
$\eta_{s}$	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	

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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			
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh  Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh  0.99  WTOL  65 °C  65 °C  Poff  0 W  0 W  PTO  0 W  16 W  19 W  PCK  Supplementary Heater: Type of energy input  Electricity  Electricity  Supplementary Heater: PSUP  0.00 kW  0.00 kW	COP Tj = Tbiv	4.52	3.00
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh WTOL 65 °C 65 °C  Poff 0 W 0 W 0 W  PTO 0 W 0 W  PSB 16 W 19 W  PCK 0 W  Supplementary Heater: Type of energy input Electricity Electricity  Supplementary Heater: PSUP 0.00 kW 0.00 kW	Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	17.35 kW	16.12 kW
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	COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	4.52	3.00
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	Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.99	0.99
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	WTOL	65 °C	65 °C
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	Poff	0 W	0 W
PCK 0 W 0 W  Supplementary Heater: Type of energy input Electricity Electricity  Supplementary Heater: PSUP 0.00 kW 0.00 kW	РТО	0 W	0 W
Supplementary Heater: Type of energy input Electricity Electricity  Supplementary Heater: PSUP 0.00 kW 0.00 kW	PSB	16 W	19 W
Supplementary Heater: PSUP 0.00 kW 0.00 kW	PCK	o w	0 W
	Supplementary Heater: Type of energy input	Electricity	Electricity
Annual energy consumption Qhe 4659 kWh 5754 kWh	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)

Low temp	Madium tompounture
	perature Medium temperature
η <sub>s</sub> 189 %	143 %





This information was gener	ated by the HE KLIMA	NK 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
$COP Tj = -7^{\circ}C$	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 = $+7^{\circ}$ C	17.58 kW	17.05 kW
$COPTj = +7^{\circ}C$	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
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WTOL	65 °C	65 °C
Poff	o w	0 W
РТО	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

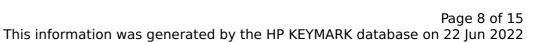
EN 12102-1			
	Low temperature	Medium temperature	
Sound power level indoor	47 dB(A)	47 dB(A)	

EN 14825			
		Low temperature	Medium temperature
Pdesignh	17.00 kW		-
$\eta_s$	184 %	140 %	





	1	by the HERLIMARK
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
$COP Tj = +7^{\circ}C$	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





Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.99	0.99
WTOL	65 °C	65 °C
Poff	o w	o w
РТО	o w	o w
PSB	15 W	18 W
PCK	o w	o 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		
СОР	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

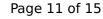




EN 12102-1			
Low temperature Medium temperature			
Sound power level indoor	47 dB(A)	47 dB(A)	

EN 14825		
	Low temperature	Medium temperature
$\eta_{s}$	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

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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         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			
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	COP Tj = Tbiv	4.52	3.00
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	17.35 kW	16.12 kW
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	COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	4.52	3.00
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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	WTOL	65 °C	65 °C
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	Poff	o w	0 W
PCK 0 W 0 W  Supplementary Heater: Type of energy input Electricity Electricity  Supplementary Heater: PSUP 0.00 kW 0.00 kW	РТО	o w	0 W
Supplementary Heater: Type of energy input Electricity Electricity  Supplementary Heater: PSUP 0.00 kW 0.00 kW	PSB	16 W	19 W
Supplementary Heater: PSUP 0.00 kW 0.00 kW	PCK	o w	0 W
	Supplementary Heater: Type of energy input	Electricity	Electricity
Annual energy consumption Qhe 4659 kWh 5754 kWh	Supplementary Heater: PSUP	0.00 kW	0.00 kW
	Annual energy consumption Qhe	4659 kWh	5754 kWh

### Colder Climate

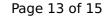
EN 12102-1			
	Low temperature	Medium temperature	
Sound power level indoor	47 dB(A)	47 dB(A)	

E	EN 14825	
	Low temperature	Medium temperature
$\eta_{S}$	189 %	143 %
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Prated	17.35 kW	16.15 kW
SCOP	4.92	3.79
Tbiv	-22 °C	-22 °C
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Pdh Tj = -7°C	17.47 kW	16.60 kW
$COP Tj = -7^{\circ}C$	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
$COP Tj = +7^{\circ}C$	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





	<u> </u>	
WTOL	65 °C	65 °C
Poff	o w	0 W
РТО	o w	o w
PSB	17 W	20 W
PCK	o w	o 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		'
$\eta_s$	184 %	140 %	





	, 	THE TIP KLIMAKK
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
$COP Tj = +2^{\circ}C$	4.79	3.68
Cdh Tj = +2 °C	0.99	0.99
Pdh Tj = +7°C	17.49 kW	16.92 kW
$COP Tj = +7^{\circ}C$	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



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Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.99	0.99
WTOL	65 °C	65 °C
Poff	o w	o w
РТО	o w	o w
PSB	15 W	18 W
PCK	o w	o 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