

Page 1 of 15

#### This information was generated by the HP KEYMARK database on 18 Mar 2022

#### Login

Summary of	Vitocal 2xx-G B17	Reg. No.	011-1W0211		
Certificate Holder	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	

## 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 %	
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	





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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	0 W	0 W	
PTO	o w	0 W	
PSB	15 W	18 W	
PCK	0 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		4
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			
	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	
$COP Tj = +7^{\circ}C$	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	





4.52	3.00
17.35 kW	16.12 kW
4.52	3.00
0.99	0.99
65 °C	65 °C
0 W	0 W
0 W	0 W
16 W	19 W
0 W	0 W
Electricity	Electricity
0.00 kW	0.00 kW
4659 kWh	5754 kWh
	17.35 kW  4.52  0.99  65 °C  0 W  0 W  16 W  0 W  Electricity  0.00 kW

### 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
$\eta_{S}$	189 %	143 %
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Prated	17.35 kW	16.15 kW
SCOP	4.92	3.79
Tbiv	-22 °C	-22 °C
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 = $+2^{\circ}$ C	17.55 kW	16.87 kW
$COP Tj = +2^{\circ}C$	5.04	3.97
Cdh Tj = $+2$ °C	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 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



WTOL	65 °C	65 °C
Poff	o w	o 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



## 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	

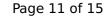
EN 14511-4	
Shutting off the heat transfer medium flow	failed
Complete power supply failure	failed
Defrost test	failed
Starting and operating test	failed

## **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 %	
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 <       17.31 kW       16.13 kW         COP Tj = TOL or COP Tj = Tdesignh if TOL <       2.99       0.99         Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL <       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         Annual energy consumption Qhe       7293 kWh       8912 kWh			,
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 <	Pdh Tj = 12°C	17.60 kW	17.12 kW
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        17.31 kW       16.13 kW         COP Tj = TOL or COP Tj = Tdesignh if TOL        4.51       2.99         Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL        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         Annual energy consumption Qhe       7293       8912 kWh	COP Tj = 12°C	5.26	4.46
COP Tj = Tbiv       4.51       2.99         Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL        17.31 kW       16.13 kW         COP Tj = TOL or COP Tj = Tdesignh if TOL        4.51       2.99         Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL        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       8912 kWh	Cdh Tj = +12 °C	0.99	0.99
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL        17.31 kW       16.13 kW         COP Tj = TOL or COP Tj = Tdesignh if TOL        4.51       2.99         Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL        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       8912 kWh	Pdh Tj = Tbiv	17.31 kW	16.13 kW
Tdesignh       4.51       2.99         COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	COP Tj = Tbiv	4.51	2.99
Tdesignh         0.99         0.99           Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL          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         0.00 kW           Annual energy consumption Qhe         7293         8912 kWh		17.31 kW	16.13 kW
Tdesignh  WTOL  65 °C  65 °C  Poff  0 W  0 W  PTO  0 W  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  Annual energy consumption Qhe  7293  8912 kWh		4.51	2.99
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 8912 kWh		0.99	0.99
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 8912 kWh	WTOL	65 °C	65 °C
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 8912 kWh	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  Backup Heater 0.00 kW  Annual energy consumption Qhe 7293 8912 kWh	РТО	o w	0 W
Supplementary Heater: Type of energy input  Supplementary Heater: PSUP  0.00 kW  0.00 kW  Annual energy consumption Qhe  Electricity  0.00 kW  7293  8912 kWh	PSB	15 W	18 W
Supplementary Heater: PSUP  0.00 kW  0.00 kW  Annual energy consumption Qhe  7293  8912 kWh	РСК	0 W	o w
Backup Heater 0.00 kW  Annual energy consumption Qhe 7293 8912 kWh	Supplementary Heater: Type of energy input	Electricity	Electricity
Annual energy consumption Qhe 7293 8912 kWh	Supplementary Heater: PSUP	0.00 kW	0.00 kW
	Backup Heater	0.00 kW	
	Annual energy consumption Qhe		8912 kWh

## 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



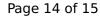


COP Tj = Tbiv	4.52	3.00
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	17.35 kW	16.12 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	4.52	3.00
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.99	0.99
WTOL	65 °C	65 °C
Poff	o w	o w
РТО	0 W	0 W
PSB	16 W	19 W
PCK	0 W	0 W
Supplementary Heater: 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
$\eta_{S}$	189 %	143 %





general		IN database on 10 Mai 202.
Prated	17.35 kW	16.15 kW
SCOP	4.92	3.79
Tbiv	-22 °C	-22 °C
TOL	-22 °C	-22 °C
Pdh Tj = $-7^{\circ}$ C	17.47 kW	16.60 kW
$COP Tj = -7^{\circ}C$	4.82	3.57
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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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# $$\operatorname{\textit{Page}}\ 15$$ of 15 This information was generated by the HP KEYMARK database on 18 Mar 2022

WTOL	65 °C	65 °C
Poff	o w	0 W
РТО	0 W	0 W
PSB	17 W	20 W
PCK	o 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