

Page 1 of 26

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Login

Summary of	Vitocal 2xx-G M B06	Reg. No.	011-1W0288		
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 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

Configure model			
Model name	VITOCAL 200-G BWC-M 201.B06		
Application	Heating (medium temp)		
Units	Indoor		
Climate Zone	Colder Climate + Warmer Climate		
Reversibility	No		
Cooling mode application (optional)	n/a		

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		

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 temperatur	Medium temperature
Pdesignh	6.37	kW	'
η_{s}	201 9	% 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 Tj = -7 °C	0.99	0.99	
Pdh Tj = +2°C	5.66	kW 5.12 kW	
COP Tj = +2°C	5.26	3.50	
Cdh Tj = +2 °C	0.99	0.99	
Pdh Tj = +7°C	5.69	kW 5.27 kW	
COP Tj = +7°C	5.54	3.91	
Cdh Tj = +7 °C	0.99	0.99	





Pdh Tj = 12°C 5.72 kW 5.37 kW COP Tj = 12°C 5.86 4.41 Cdh Tj = +12 °C 0.99 0.99 Pdh Tj = Tbiv 5.61 kW 5.06 kW COP Tj = Tbiv 4.92 2.95 Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < 5.60 kW 5.16 kW COP Tj = TOL or COP Tj = Tdesignh if TOL < 0.99 0.99 WTOL 65 °C 65 °C Poff 0 W 0 W PTO 0 W 0 W PSB 12 W 12 W PCK 0 W 0 W Supplementary Heater: Type of energy input Electricity Electricity Supplementary Heater: PSUP 0.77 kW 0.59 kW Backup Heater 0.00 kW Annual energy consumption Qhe 2516 kWh			
Cdh Tj = +12 °C 0.99 0.99 Pdh Tj = Tbiv 5.61 kW 5.06 kW COP Tj = Tbiv 4.92 2.95 Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL 5.60 kW 5.16 kW COP Tj = TOL or COP Tj = Tdesignh if TOL 4.85 2.85 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 PCK 0 W 0 W Supplementary Heater: Type of energy input Electricity Electricity Supplementary Heater: PSUP 0.77 kW 0.59 kW Annual energy consumption Qhe 2516 3378 kWh	Pdh Tj = 12°C	5.72 kW	5.37 kW
Pdh Tj = Tbiv 5.61 kW 5.06 kW COP Tj = Tbiv 4.92 2.95 Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL 5.60 kW 5.16 kW COP Tj = TOL or COP Tj = Tdesignh if TOL 4.85 2.85 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 12 W 12 W PCK 0 W 0 W Supplementary Heater: Type of energy input Electricity Electricity Supplementary Heater: PSUP 0.77 kW 0.59 kW Backup Heater 0.00 kW Annual energy consumption Qhe 2516 3378 kWh	COP Tj = 12°C	5.86	4.41
COP Tj = Tbiv 4.92 2.95 Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL 5.60 kW 5.16 kW COP Tj = TOL or COP Tj = Tdesignh if TOL 4.85 2.85 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 12 W 12 W PCK 0 W 0 W Supplementary Heater: Type of energy input Electricity Electricity Supplementary Heater: PSUP 0.77 kW 0.59 kW Backup Heater 0.00 kW Annual energy consumption Qhe 2516 3378 kWh	Cdh Tj = +12 °C	0.99	0.99
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL 5.60 kW 5.16 kW COP Tj = TOL or COP Tj = Tdesignh if TOL 4.85 2.85 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 PCK 0 W 0 W Supplementary Heater: Type of energy input Electricity Electricity Supplementary Heater: PSUP 0.77 kW 0.59 kW Backup Heater 0.00 kW Annual energy consumption Qhe 2516 3378 kWh	Pdh Tj = Tbiv	5.61 kW	5.06 kW
Tdesignh 4.85 2.85 COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	COP Tj = Tbiv	4.92	2.95
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 12 W 12 W PCK 0 W 0 W Supplementary Heater: Type of energy input Electricity Electricity Supplementary Heater: PSUP 0.77 kW 0.59 kW Backup Heater 0.00 kW Annual energy consumption Qhe 2516 3378 kWh	Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL $<$ Tdesignh	5.60 kW	5.16 kW
Tdesignh 65 °C 65 °C Poff 0 W 0 W PTO 0 W 0 W PSB 12 W 12 W PCK 0 W 0 W Supplementary Heater: Type of energy input Electricity Electricity Supplementary Heater: PSUP 0.77 kW 0.59 kW Backup Heater 0.00 kW Annual energy consumption Qhe 2516 3378 kWh		4.85	2.85
Poff 0 W 0 W PTO 0 W 0 W PSB 12 W 12 W PCK 0 W 0 W Supplementary Heater: Type of energy input Electricity Electricity Supplementary Heater: PSUP 0.77 kW 0.59 kW Backup Heater 0.00 kW Annual energy consumption Qhe 2516 3378 kWh		0.99	0.99
PTO 0 W 0 W PSB 12 W 12 W PCK 0 W 0 W Supplementary Heater: Type of energy input Electricity Electricity Supplementary Heater: PSUP 0.77 kW 0.59 kW Backup Heater 0.00 kW Annual energy consumption Qhe 2516 3378 kWh	WTOL	65 °C	65 °C
PSB 12 W 12 W PCK 0 W 0 W Supplementary Heater: Type of energy input Electricity Electricity Supplementary Heater: PSUP 0.77 kW 0.59 kW Backup Heater 0.00 kW Annual energy consumption Qhe 2516 3378 kWh	Poff	o w	0 W
PCK 0 W 0 W Supplementary Heater: Type of energy input Electricity Electricity Supplementary Heater: PSUP 0.77 kW 0.59 kW Backup Heater 0.00 kW Annual energy consumption Qhe 2516 3378 kWh	РТО	o w	0 W
Supplementary Heater: Type of energy input Electricity Electricity O.77 kW O.59 kW Backup Heater O.00 kW Annual energy consumption Qhe 2516 3378 kWh	PSB	12 W	12 W
Supplementary Heater: PSUP 0.77 kW 0.59 kW Backup Heater 0.00 kW Annual energy consumption Qhe 2516 3378 kWh	PCK	0 W	0 W
Backup Heater 0.00 kW Annual energy consumption Qhe 2516 3378 kWh	Supplementary Heater: Type of energy input	Electricity	Electricity
Annual energy consumption Qhe 2516 3378 kWh	Supplementary Heater: PSUP	0.77 kW	0.59 kW
	Backup Heater	0.00 kW	
	Annual energy consumption Qhe		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 Tj = +2 °C	0.99	0.99	
Pdh Tj = +7°C	5.60 kW	5.15 kW	
$COP Tj = +7^{\circ}C$	4.93	3.17	
Cdh Tj = +7 °C	0.99	0.99	
Pdh Tj = 12°C	5.68 kW	5.48 kW	
COP Tj = 12°C	5.43	3.96	
Cdh Tj = +12 °C	0.99	0.99	
Pdh Tj = Tbiv	5.59 kW	5.22 kW	





COP Tj = Tbiv	4.69	2.80
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.59 kW	5.22 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	4.69	2.80
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.99	0.99
WTOL	65 °C	65 °C
Poff	0 W	0 W
РТО	0 W	0 W
PSB	12 W	12 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	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 %





3	<u>, </u>	TR database on 10 Mai 202.
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
$COP Tj = -7^{\circ}C$	5.32	3.46
Cdh Tj = -7 °C	0.99	0.99
Pdh Tj = $+2$ °C	5.65 kW	5.39 kW
COP Tj = +2°C	5.63	4.00
Cdh Tj = +2 °C	0.99	0.99
Pdh Tj = $+7^{\circ}$ C	5.67 kW	5.46 kW
$COPTj = +7^{\circ}C$	5.85	4.43
Cdh Tj = +7 °C	0.99	0.99
Pdh Tj = 12°C	5.71 kW	5.49 kW
COP Tj = 12°C	5.95	4.80
Cdh Tj = +12 °C	0.99	0.99
Pdh Tj = Tbiv	5.60 kW	5.17 kW
COP Tj = Tbiv	5.32	3.46
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.32 kW	5.23 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	4.85	2.91
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.99	0.99



Page 8 of 26

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WTOL	65 °C	65 °C
Poff	o w	0 W
РТО	o w	o w
PSB	12 W	12 W
PCK	o w	o w
Supplementary Heater: Type of energy input	Electricity	Electricity
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 Tj = -15 °C	0.99	0.99



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

Configure model		
Model name	VITOCAL 222-G BWT-M 221.B06	
Application	Heating + DHW + low temp	
Units	Indoor	
Climate Zone	Colder Climate + Warmer Climate	
Reversibility	No	
Cooling mode application (optional)	n/a	

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	

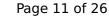
EN 14511-4		
Shutting off the heat transfer medium flow	passed	
Complete power supply failure	passed	
Defrost test	passed	
Starting and operating test	passed	

Average Climate



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

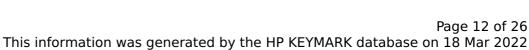
EN 14825			
		Low temperatur	Medium temperature
Pdesignh	6.37	kW	'
η_{s}	201 9	% 133 %	
Prated	6.37	kW 5.75 kW	
SCOP	5.23	3.52	
Tbiv	-7 °C	-7 °C	
TOL	-10 °	C -10 °C	
Pdh Tj = -7°C	5.61	kW 5.06 kW	
COP Tj = -7°C	4.92	2.95	
Cdh Tj = -7 °C	0.99	0.99	
Pdh Tj = +2°C	5.66	kW 5.12 kW	
COP Tj = +2°C	5.26	3.50	
Cdh Tj = +2 °C	0.99	0.99	
Pdh Tj = +7°C	5.69	kW 5.27 kW	
COP Tj = +7°C	5.54	3.91	
Cdh Tj = +7 °C	0.99	0.99	





Pdh Tj = 12°C 5.72 kW 5.37 kW COP Tj = 12°C 5.86 4.41 Cdh Tj = +12 °C 0.99 0.99 Pdh Tj = Tbiv 5.61 kW 5.06 kW COP Tj = Tbiv 4.92 2.95 Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < 5.60 kW 5.16 kW COP Tj = TOL or COP Tj = Tdesignh if TOL < 0.99 0.99 WTOL 65 °C 65 °C Poff 0 W 0 W PTO 0 W 0 W PSB 12 W 12 W PCK 0 W 0 W Supplementary Heater: Type of energy input Electricity Electricity Supplementary Heater: PSUP 0.77 kW 0.59 kW Backup Heater 0.00 kW Annual energy consumption Qhe 2516 kWh			
Cdh Tj = +12 °C 0.99 0.99 Pdh Tj = Tbiv 5.61 kW 5.06 kW COP Tj = Tbiv 4.92 2.95 Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL 5.60 kW 5.16 kW COP Tj = TOL or COP Tj = Tdesignh if TOL 4.85 2.85 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 PCK 0 W 0 W Supplementary Heater: Type of energy input Electricity Electricity Supplementary Heater: PSUP 0.77 kW 0.59 kW Annual energy consumption Qhe 2516 3378 kWh	Pdh Tj = 12°C	5.72 kW	5.37 kW
Pdh Tj = Tbiv 5.61 kW 5.06 kW COP Tj = Tbiv 4.92 2.95 Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL 5.60 kW 5.16 kW COP Tj = TOL or COP Tj = Tdesignh if TOL 4.85 2.85 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 12 W 12 W PCK 0 W 0 W Supplementary Heater: Type of energy input Electricity Electricity Supplementary Heater: PSUP 0.77 kW 0.59 kW Backup Heater 0.00 kW Annual energy consumption Qhe 2516 3378 kWh	COP Tj = 12°C	5.86	4.41
COP Tj = Tbiv 4.92 2.95 Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL 5.60 kW 5.16 kW COP Tj = TOL or COP Tj = Tdesignh if TOL 4.85 2.85 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 12 W 12 W PCK 0 W 0 W Supplementary Heater: Type of energy input Electricity Electricity Supplementary Heater: PSUP 0.77 kW 0.59 kW Backup Heater 0.00 kW Annual energy consumption Qhe 2516 3378 kWh	Cdh Tj = +12 °C	0.99	0.99
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL 5.60 kW 5.16 kW COP Tj = TOL or COP Tj = Tdesignh if TOL 4.85 2.85 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 PCK 0 W 0 W Supplementary Heater: Type of energy input Electricity Electricity Supplementary Heater: PSUP 0.77 kW 0.59 kW Backup Heater 0.00 kW Annual energy consumption Qhe 2516 3378 kWh	Pdh Tj = Tbiv	5.61 kW	5.06 kW
Tdesignh 4.85 2.85 COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	COP Tj = Tbiv	4.92	2.95
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 12 W 12 W PCK 0 W 0 W Supplementary Heater: Type of energy input Electricity Electricity Supplementary Heater: PSUP 0.77 kW 0.59 kW Backup Heater 0.00 kW Annual energy consumption Qhe 2516 3378 kWh	Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL $<$ Tdesignh	5.60 kW	5.16 kW
Tdesignh 65 °C 65 °C Poff 0 W 0 W PTO 0 W 0 W PSB 12 W 12 W PCK 0 W 0 W Supplementary Heater: Type of energy input Electricity Electricity Supplementary Heater: PSUP 0.77 kW 0.59 kW Backup Heater 0.00 kW Annual energy consumption Qhe 2516 3378 kWh		4.85	2.85
Poff 0 W 0 W PTO 0 W 0 W PSB 12 W 12 W PCK 0 W 0 W Supplementary Heater: Type of energy input Electricity Electricity Supplementary Heater: PSUP 0.77 kW 0.59 kW Backup Heater 0.00 kW Annual energy consumption Qhe 2516 3378 kWh		0.99	0.99
PTO 0 W 0 W PSB 12 W 12 W PCK 0 W 0 W Supplementary Heater: Type of energy input Electricity Electricity Supplementary Heater: PSUP 0.77 kW 0.59 kW Backup Heater 0.00 kW Annual energy consumption Qhe 2516 3378 kWh	WTOL	65 °C	65 °C
PSB 12 W 12 W PCK 0 W 0 W Supplementary Heater: Type of energy input Electricity Electricity Supplementary Heater: PSUP 0.77 kW 0.59 kW Backup Heater 0.00 kW Annual energy consumption Qhe 2516 3378 kWh	Poff	o w	0 W
PCK 0 W 0 W Supplementary Heater: Type of energy input Electricity Electricity Supplementary Heater: PSUP 0.77 kW 0.59 kW Backup Heater 0.00 kW Annual energy consumption Qhe 2516 3378 kWh	РТО	o w	0 W
Supplementary Heater: Type of energy input Electricity Electricity O.77 kW O.59 kW Backup Heater O.00 kW Annual energy consumption Qhe 2516 3378 kWh	PSB	12 W	12 W
Supplementary Heater: PSUP 0.77 kW 0.59 kW Backup Heater 0.00 kW Annual energy consumption Qhe 2516 3378 kWh	PCK	0 W	0 W
Backup Heater 0.00 kW Annual energy consumption Qhe 2516 3378 kWh	Supplementary Heater: Type of energy input	Electricity	Electricity
Annual energy consumption Qhe 2516 3378 kWh	Supplementary Heater: PSUP	0.77 kW	0.59 kW
	Backup Heater	0.00 kW	
	Annual energy consumption Qhe		3378 kWh

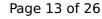
Warmer Climate



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

CEN heat pump KEYMARK

EN 14825				
Low temperature Medium temperature				
204 %	130 %			
5.59 kW	5.22 kW			
5.16	3.46			
2 °C	2 °C			
2 °C	2 °C			
5.59 kW	5.22 kW			
4.69	2.80			
0.99	0.99			
5.60 kW	5.15 kW			
4.93	3.17			
0.99	0.99			
5.68 kW	5.48 kW			
5.43	3.96			
0.99	0.99			
5.59 kW	5.22 kW			
	Low temperature 204 % 5.59 kW 5.16 2 °C 2 °C 5.59 kW 4.69 0.99 5.60 kW 4.93 0.99 5.68 kW 5.43 0.99			





4.69	2.80
5.59 kW	5.22 kW
4.69	2.80
0.99	0.99
65 °C	65 °C
0 W	0 W
0 W	0 W
12 W	12 W
o w	0 W
Electricity	Electricity
0.00 kW	0.00 kW
1447 kWh	2014 kWh
	5.59 kW 4.69 0.99 65 °C 0 W 12 W 0 W Electricity 0.00 kW

Colder Climate

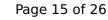
EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	40 dB(A)	40 dB(A)

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





This information was generated by the HF RETMARK database on 18 Mai 2022			
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	
$COPTj = -7^{\circ}C$	5.32	3.46	
Cdh Tj = -7 °C	0.99	0.99	
Pdh Tj = $+2$ °C	5.65 kW	5.39 kW	
COP Tj = +2°C	5.63	4.00	
Cdh Tj = +2 °C	0.99	0.99	
Pdh Tj = $+7^{\circ}$ C	5.67 kW	5.46 kW	
$COPTj = +7^{\circ}C$	5.85	4.43	
Cdh Tj = $+7$ °C	0.99	0.99	
Pdh Tj = 12°C	5.71 kW	5.49 kW	
COP Tj = 12°C	5.95	4.80	
Cdh Tj = +12 °C	0.99	0.99	
Pdh Tj = Tbiv	5.60 kW	5.17 kW	
COP Tj = Tbiv	5.32	3.46	
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.32 kW	5.23 kW	
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	4.85	2.91	
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.99	0.99	
	-		





WTOL	65 °C	65 °C
Poff	o w	0 W
РТО	o w	0 W
PSB	12 W	12 W
PCK	o w	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
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 Tj = -15 °C	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





$$\operatorname{\textit{Page}}\ 17$$ of 26 This information was generated by the HP KEYMARK database on 18 Mar 2022

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

Configure model			
Model name	VITOCAL 222-G BWT-M 221.B06 SC		
Application	Heating + DHW + low temp		
Units	Indoor		
Climate Zone	Colder Climate + Warmer Climate		
Reversibility	No		
Cooling mode application (optional)	n/a		

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

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 Tj = -7 °C	0.99	0.99	
Pdh Tj = +2°C	5.66 kW	5.12 kW	
COP Tj = +2°C	5.26	3.50	
Cdh Tj = +2 °C	0.99	0.99	
Pdh Tj = $+7^{\circ}$ C	5.69 kW	5.27 kW	
COP Tj = +7°C	5.54	3.91	
Cdh Tj = +7 °C	0.99	0.99	





Pdh Tj = 12°C	5.72 kW	5.37 kW
COP Tj = 12°C	5.86	4.41
Cdh Tj = +12 °C	0.99	0.99
Pdh Tj = Tbiv	5.61 kW	5.06 kW
COP Tj = Tbiv	4.92	2.95
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.60 kW	5.16 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	4.85	2.85
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	o w
PSB	12 W	12 W
PCK	0 W	o w
Supplementary Heater: Type of energy input	Electricity	Electricity
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 Tj = +2 °C	0.99	0.99
Pdh Tj = +7°C	5.60 kW	5.15 kW
COP Tj = +7°C	4.93	3.17
Cdh Tj = +7 °C	0.99	0.99
Pdh Tj = 12°C	5.68 kW	5.48 kW
COP Tj = 12°C	5.43	3.96
Cdh Tj = +12 °C	0.99	0.99
Pdh Tj = Tbiv	5.59 kW	5.22 kW





4.69	2.80
5.59 kW	5.22 kW
4.69	2.80
0.99	0.99
65 °C	65 °C
0 W	0 W
0 W	0 W
12 W	12 W
o w	0 W
Electricity	Electricity
0.00 kW	0.00 kW
1447 kWh	2014 kWh
	5.59 kW 4.69 0.99 65 °C 0 W 12 W 0 W Electricity 0.00 kW

Colder Climate

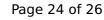
EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	40 dB(A)	40 dB(A)

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





This information was genera		
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
$COPTj = -7^{\circ}C$	5.32	3.46
Cdh Tj = -7 °C	0.99	0.99
Pdh Tj = $+2$ °C	5.65 kW	5.39 kW
COP Tj = +2°C	5.63	4.00
Cdh Tj = +2 °C	0.99	0.99
Pdh Tj = $+7^{\circ}$ C	5.67 kW	5.46 kW
$COPTj = +7^{\circ}C$	5.85	4.43
Cdh Tj = $+7$ °C	0.99	0.99
Pdh Tj = 12°C	5.71 kW	5.49 kW
COP Tj = 12°C	5.95	4.80
Cdh Tj = +12 °C	0.99	0.99
Pdh Tj = Tbiv	5.60 kW	5.17 kW
COP Tj = Tbiv	5.32	3.46
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.32 kW	5.23 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	4.85	2.91
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.99	0.99
	-	





WTOL	65 °C	65 °C
Poff	o w	0 W
РТО	0 W	0 W
PSB	12 W	12 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
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 Tj = -15 °C	0.99	0.99

Domestic Hot Water (DHW)

Average Climate

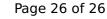


EN 16147		
Declared load profile	XL	
Efficiency ηDHW	130 %	
СОР	3.05	
Heating up time	2:10 h:min	
Standby power input	63.0 W	
Reference hot water temperature	54.1 °C	
Mixed water at 40°C	293 I	

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