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Login

Summary of	Vitocal 2xx-G M B08	Reg. No.	011-1W0289	
Certificate Holder				
Name	Viessmann Wärmepumpen G	Viessmann Wärmepumpen GmbH		
Address	Viessmannstr. 1	Zip	35107	
City	Allendorf/Eder	Country	Germany	
Certification Body	DIN CERTCO Gesellschaft für	DIN CERTCO Gesellschaft für Konformitätsbewertung mbH		
Subtype title	Vitocal 2xx-G M B08	Vitocal 2xx-G M B08		
Heat Pump Type	Brine/Water	Brine/Water		
Refrigerant	R410A	R410A		
Mass of Refrigerant	1.95 kg	1.95 kg		
Certification Date	11.07.2019	11.07.2019		



Model: VITOCAL 200-G BWC-M 201.B08

Configure model			
Model name	VITOCAL 200-G BWC-M 201.B08		
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	7.63 kW	6.81 kW		
El input	1.67 kW	2.63 kW		
СОР	4.54	2.59		

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

Warmer Climate



EN 12102-1			
	Low temperature	Medium temperature	
Sound power level indoor	43 dB(A)	43 dB(A)	

EN 14825				
	Low temperature	Medium temperature		
η_{s}	218 %	148 %		
Prated	7.50 kW	6.92 kW		
SCOP	5.64	3.90		
Tbiv	2 °C	2 °C		
TOL	2 °C	2 °C		
Pdh Tj = +2°C	7.50 kW	6.92 kW		
COP Tj = +2°C	5.14	3.01		
Cdh Tj = +2 °C	0.99	0.99		
Pdh Tj = +7°C	7.53 kW	7.12 kW		
COP Tj = +7°C	5.44	3.54		
Cdh Tj = +7 °C	0.99	0.99		
Pdh Tj = 12°C	7.62 kW	7.37 kW		
COP Tj = 12°C	6.05	4.53		
Cdh Tj = +12 °C	0.99	0.99		
Pdh Tj = Tbiv	7.50 kW	6.92 kW		

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COP Tj = Tbiv	5.14	3.01
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.50 kW	6.92 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	5.14	3.01
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	12 W	12 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	1778 kWh	2371 kWh

Colder Climate

EN 12102-1			
	Low temperature	Medium temperature	
Sound power level indoor	43 dB(A)	43 dB(A)	

$\begin{array}{ c c c c c c }\hline & Low \ temperature & Medium \ temperatu \\ \hline & & & & & & & \\ \hline & & & & & & \\ \hline & & & &$	EN 14825		
η _s 195 % 147 %		Low temperature	Medium temperature
	η_{s}	195 %	147 %





Prated	12.34 kW	11.56 kW
SCOP	5.08	3.87
Tbiv	-7 °C	-7 °C
TOL	-22 °C	-22 °C
Pdh Tj = -7°C	7.59 kW	7.18 kW
$COPTj = -7^{\circ}C$	5.64	3.91
Cdh Tj = -7 °C	0.99	0.99
Pdh Tj = $+2$ °C	7.64 kW	7.33 kW
$COPTj = +2^{\circ}C$	5.92	4.52
Cdh Tj = +2 °C	0.99	0.99
Pdh Tj = $+7$ °C	7.68 kW	7.48 kW
$COP Tj = +7^{\circ}C$	6.17	5.05
Cdh Tj = $+7$ °C	0.99	0.99
Pdh Tj = 12°C	7.69 kW	7.53 kW
COP Tj = 12°C	6.24	5.48
Cdh Tj = +12 °C	0.99	0.99
Pdh Tj = Tbiv	7.59 kW	7.18 kW
COP Tj = Tbiv	5.64	3.91
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.47 kW	6.90 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	5.09	3.12
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	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	4.87 kW	4.66 kW
Annual energy consumption Qhe	6095 kWh	7356 kWh
Pdh Tj = -15°C (if TOL<-20°C)	7.53	7.05
COP Tj = -15°C (if TOL $<$ -20°C)	5.43	3.56
Cdh Tj = -15 °C	0.99	0.99

Average Climate

EN 12102-1			
Low temperature Medium temperature			
Sound power level indoor	43 dB(A)	43 dB(A)	

EN 14825			
		Low temperature	Medium temperature
Pdesignh	8.50 kW		'
η _s	214 %	151 %	





	s generated i	by the III REIII and
Prated	8.50 kW	7.94 kW
SCOP	5.54	3.98
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	7.48 kW	6.98 kW
COP Tj = -7°C	5.22	3.24
Cdh Tj = -7 °C	0.99	0.99
Pdh Tj = +2°C	7.52 kW	7.23 kW
$COP Tj = +2^{\circ}C$	5.54	3.99
Cdh Tj = +2 °C	0.99	0.99
Pdh Tj = +7°C	7.61 kW	7.37 kW
COP Tj = +7°C	5.92	4.49
Cdh Tj = +7 °C	0.99	0.99
Pdh Tj = 12°C	7.66 kW	7.48 kW
COP Tj = 12°C	6.29	5.05
Cdh Tj = +12 °C	0.99	0.99
Pdh Tj = Tbiv	7.48 kW	6.98 kW
COP Tj = Tbiv	5.22	3.24
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.47 kW	6.90 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	5.17	3.06



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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	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	1.04 kW	1.03 kW
Backup Heater	0.00 kW	
Annual energy consumption Qhe	3167 kWh	4119 kWh



Model: VITOCAL 222-G BWT-M 221.B08

Configure model		
Model name	VITOCAL 222-G BWT-M 221.B08	
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	7.63 kW	6.81 kW		
El input	1.67 kW	2.63 kW		
СОР	4.54	2.59		

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

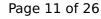
Warmer Climate



EN 12102-1				
Low temperature Medium temperature				
Sound power level indoor	43 dB(A)	43 dB(A)		

EN 14825		
	Low temperature	Medium temperature
η_{s}	218 %	148 %
Prated	7.50 kW	6.92 kW
SCOP	5.64	3.90
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	7.50 kW	6.92 kW
COP Tj = +2°C	5.14	3.01
Cdh Tj = +2 °C	0.99	0.99
Pdh Tj = +7°C	7.53 kW	7.12 kW
COP Tj = +7°C	5.44	3.54
Cdh Tj = +7 °C	0.99	0.99
Pdh Tj = 12°C	7.62 kW	7.37 kW
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5.14	3.01
7.50 kW	6.92 kW
5.14	3.01
0.99	0.99
65 °C	65 °C
0 W	0 W
o w	0 W
12 W	12 W
0 W	0 W
Electricity	Electricity
0.00 kW	0.00 kW
1778 kWh	2371 kWh
	7.50 kW 5.14 0.99 65 °C 0 W 0 W 12 W 0 W Electricity 0.00 kW

Colder Climate

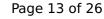
EN 12102-1			
Low temperature Medium temperature			
Sound power level indoor	43 dB(A)	43 dB(A)	

$\begin{array}{ c c c c c c }\hline & Low \ temperature & Medium \ temperatu \\ \hline & & & & & & & \\ \hline & & & & & & \\ \hline & & & &$	EN 14825		
η _s 195 % 147 %		Low temperature	Medium temperature
	η_{s}	195 %	147 %





This information was genera		
Prated	12.34 kW	11.56 kW
SCOP	5.08	3.87
Tbiv	-7 °C	-7 °C
TOL	-22 °C	-22 °C
Pdh Tj = -7° C	7.59 kW	7.18 kW
$COPTj = -7^{\circ}C$	5.64	3.91
Cdh Tj = -7 °C	0.99	0.99
Pdh Tj = $+2$ °C	7.64 kW	7.33 kW
COP Tj = +2°C	5.92	4.52
Cdh Tj = +2 °C	0.99	0.99
Pdh Tj = $+7^{\circ}$ C	7.68 kW	7.48 kW
$COPTj = +7^{\circ}C$	6.17	5.05
Cdh Tj = +7 °C	0.99	0.99
Pdh Tj = 12°C	7.69 kW	7.53 kW
COP Tj = 12°C	6.24	5.48
Cdh Tj = +12 °C	0.99	0.99
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Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.47 kW	6.90 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	5.09	3.12
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.99	0.99



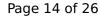


WTOL	65 °C	65 °C
Poff	o w	0 W
РТО	o w	o w
PSB	12 W	12 W
PCK	o w	o w
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	4.87 kW	4.66 kW
Annual energy consumption Qhe	6095 kWh	7356 kWh
Pdh Tj = -15°C (if TOL<-20°C)	7.53	7.05
COP Tj = -15°C (if TOL<-20°C)	5.43	3.56
Cdh Tj = -15 °C	0.99	0.99

Average Climate

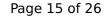
EN 12102-1			
	Low temperature	Medium temperature	
Sound power level indoor	43 dB(A)	43 dB(A)	

EN 14825			
		Low temperature	Medium temperature
Pdesignh	8.50 kW		
η _s	214 %	151 %	





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Prated	8.50 kW	7.94 kW
SCOP	5.54	3.98
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	7.48 kW	6.98 kW
COP Tj = -7°C	5.22	3.24
Cdh Tj = -7 °C	0.99	0.99
Pdh Tj = +2°C	7.52 kW	7.23 kW
$COP Tj = +2^{\circ}C$	5.54	3.99
Cdh Tj = +2 °C	0.99	0.99
Pdh Tj = +7°C	7.61 kW	7.37 kW
$COP Tj = +7^{\circ}C$	5.92	4.49
Cdh Tj = +7 °C	0.99	0.99
Pdh Tj = 12°C	7.66 kW	7.48 kW
COP Tj = 12°C	6.29	5.05
Cdh Tj = +12 °C	0.99	0.99
Pdh Tj = Tbiv	7.48 kW	6.98 kW
COP Tj = Tbiv	5.22	3.24
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.47 kW	6.90 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	5.17	3.06





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	12 W	12 W	
PCK	o w	o w	
Supplementary Heater: Type of energy input	Electricity	Electricity	
Supplementary Heater: PSUP	1.04 kW	1.03 kW	
Backup Heater	0.00 kW		
Annual energy consumption Qhe	3167 kWh	4119 kWh	

Domestic Hot Water (DHW)

Warmer Climate



 EN 16147

 Declared load profile
 XL

 Efficiency ηDHW
 130 %

 COP
 3.03

 Heating up time
 1:47 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		
Designed lead mostle	VI	
Declared load profile	XL	
Efficiency ηDHW	130 %	
СОР	3.03	
Heating up time	1:47 h:min	
Standby power input	63.0 W	
Reference hot water temperature	54.1 °C	
Mixed water at 40°C	293 I	

Average Climate



EN 16147		
Declared load profile	XL	
Efficiency ηDHW	130 %	
СОР	3.03	
Heating up time	1:47 h:min	
Standby power input	63.0 W	
Reference hot water temperature	54.1 °C	
Mixed water at 40°C	293	



Model: VITOCAL 222-G BWT-M 221.B08 SC

Configure model		
Model name	VITOCAL 222-G BWT-M 221.B08 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	7.63 kW	6.81 kW	
El input	1.67 kW	2.63 kW	
СОР	4.54	2.59	

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

Warmer Climate



EN 12102-1			
	Low temperature	Medium temperature	
Sound power level indoor	43 dB(A)	43 dB(A)	

EN 14825		
	Low temperature	Medium temperature
η_{s}	218 %	148 %
Prated	7.50 kW	6.92 kW
SCOP	5.64	3.90
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	7.50 kW	6.92 kW
COP Tj = +2°C	5.14	3.01
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Pdh Tj = +7°C	7.53 kW	7.12 kW
COP Tj = +7°C	5.44	3.54
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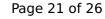


COP Tj = Tbiv 5.14 3.01 Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh 7.50 kW 6.92 kW COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh 5.14 3.01 Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh 0.99 0.99 WTOL 65 °C 65 °C Poff 0 W 0 W PTO 0 W 0 W PCK 0 W 0 W Supplementary Heater: Type of energy input Electricity Electricity Supplementary Heater: PSUP 0.00 kW 0.00 kW Annual energy consumption Qhe 1778 kWh 2371 kWh		-	
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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 0.00 kW 0.00 kW	COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	5.14	3.01
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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 0.00 kW 0.00 kW	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 0.00 kW 0.00 kW	Poff	o w	o w
PCK 0 W 0 W Supplementary Heater: Type of energy input Electricity Electricity Supplementary Heater: PSUP 0.00 kW 0.00 kW	PTO	o w	o w
Supplementary Heater: Type of energy input Electricity Electricity Supplementary Heater: PSUP 0.00 kW 0.00 kW	PSB	12 W	12 W
Supplementary Heater: PSUP 0.00 kW 0.00 kW	PCK	0 W	0 W
	Supplementary Heater: Type of energy input	Electricity	Electricity
Annual energy consumption Qhe 1778 kWh 2371 kWh	Supplementary Heater: PSUP	0.00 kW	0.00 kW
	Annual energy consumption Qhe	1778 kWh	2371 kWh

Colder Climate

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	Low temperature	Medium temperature	
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Cdh Tj = -15 °C	0.99	0.99

Average Climate

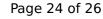
EN 12102-1			
	Low temperature	Medium temperature	
Sound power level indoor	43 dB(A)	43 dB(A)	

EN 14825			
		Low temperature	Medium temperature
Pdesignh	8.50 kW		'
η _s	214 %	151 %	





	, 	T THE TIP KLIMAKK
Prated	8.50 kW	7.94 kW
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Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.47 kW	6.90 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	5.17	3.06





Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.99	0.99	
WTOL	65 °C	65 °C	
Poff	o w	o w	
PTO	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	1.04 kW	1.03 kW	
Backup Heater	0.00 kW		
Annual energy consumption Qhe	3167 kWh	4119 kWh	

Domestic Hot Water (DHW)

Warmer Climate



EN 16147		
Declared load profile	XL	
Efficiency ηDHW	130 %	
СОР	3.03	
Heating up time	1:47 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	3.03	
Heating up time	1:47 h:min	
Standby power input	63.0 W	
Reference hot water temperature	54.1 °C	
Mixed water at 40°C	293 I	

Average Climate



EN 16147		
Declared load profile	XL	
Efficiency ηDHW	130 %	
СОР	3.03	
Heating up time	1:47 h:min	
Standby power input	63.0 W	
Reference hot water temperature	54.1 °C	
Mixed water at 40°C	293 I	