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Summary of	Vitocal 2xx-G B13	Reg. No.	011-1W0210	
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 B13			
Heat Pump Type	Brine/Water			
Refrigerant	R410A			
Mass of Refrigerant	2.15 kg			
Certification Date	06.10.2020			



Model: Vitocal 200-G BWC 201.B13

Configure model			
Model name	Vitocal 200-G BWC 201.B13		
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	13.19 kW	12.17 kW		
El input	2.89 kW	4.05 kW		
СОР	4.60	3.01		

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	46 dB(A)	49 dB(A)	

EN 14825			
		Low temperature	Medium temperature
Pdesignh	13.00 kW		,
η_{s}	189 %	141 %	
Prated	13.19 kW	12.17 kW	
SCOP	4.94	3.73	
Tbiv	-10 °C	-10 °C	
TOL	-10 °C	-10 °C	
Pdh Tj = -7°C	13.18 kW	12.23 kW	
COP Tj = -7°C	4.63	3.12	
Cdh Tj = -7 °C	0.99	0.99	
Pdh Tj = +2°C	13.23 kW	12.63 kW	
COP Tj = +2°C	4.76	3.67	
Cdh Tj = +2 °C	0.99	0.99	
Pdh Tj = +7°C	13.28 kW	12.88 kW	
COP Tj = +7°C	5.13	4.08	
Cdh Tj = +7 °C	0.99	0.99	





Pdh Tj = 12°C	13.53 kW	13.12 kW	
COP Tj = 12°C	5.34	4.46	
Cdh Tj = +12 °C	0.99	0.99	
Pdh Tj = Tbiv	13.19 kW	12.17 kW	
COP Tj = Tbiv	4.60	3.00	
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	13.19 kW	12.17 kW	
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	4.60	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	8 W	o w	
PSB	0 W	0 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	5440 kWh	6641 kWh	
	1		

Warmer Climate



EN 12102-1			
Low temperature Medium temperature			
Sound power level indoor	46 dB(A)	49 dB(A)	

EN 14825			
	Low temperature	Medium temperature	
η_{s}	192 %	142 %	
Prated	13.19 kW	12.17 kW	
SCOP	5.00	3.74	
Tbiv	2 °C	2 °C	
TOL	2 °C	2 °C	
Pdh Tj = +2°C	13.19 kW	12.17 kW	
COP Tj = +2°C	4.60	3.00	
Cdh Tj = +2 °C	0.99	0.99	
Pdh Tj = +7°C	13.29 kW	12.45 kW	
COP Tj = +7°C	4.84	3.42	
Cdh Tj = +7 °C	0.99	0.99	
Pdh Tj = 12°C	13.44 kW	12.98 kW	
COP Tj = 12°C	5.22	4.22	
Cdh Tj = +12 °C	0.99	0.99	
Pdh Tj = Tbiv	13.19 kW	12.17 kW	





COP Tj = Tbiv	4.60	3.00
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	13.19 kW	12.17 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	4.60	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	o w	0 W
PSB	o w	0 W
PCK	0 W	o w
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	3470 kWh	4279 kWh

Colder Climate

EN 12102-1			
	Low temperature	Medium temperature	
Sound power level indoor	46 dB(A)	49 dB(A)	

EN 14825		
	Low temperature	Medium temperature
η_{S}	194 %	145 %





general		IN database on 10 Mai 202.
Prated	13.19 kW	12.17 kW
SCOP	5.05	3.82
Tbiv	-22 °C	-22 °C
TOL	-22 °C	-22 °C
Pdh Tj = -7° C	13.32 kW	12.55 kW
$COP Tj = -7^{\circ}C$	4.94	3.56
Cdh Tj = -7 °C	0.99	0.99
Pdh Tj = $+2$ °C	13.39 kW	12.83 kW
COP Tj = +2°C	5.13	3.99
Cdh Tj = +2 °C	0.99	0.99
Pdh Tj = $+7^{\circ}$ C	13.47 kW	13.05 kW
$COPTj = +7^{\circ}C$	5.31	4.36
Cdh Tj = $+7$ °C	0.99	0.99
Pdh Tj = 12°C	13.48 kW	13.20 kW
COP Tj = 12°C	5.25	4.61
Cdh Tj = +12 °C	0.99	0.99
Pdh Tj = Tbiv	13.19 kW	12.17 kW
COP Tj = Tbiv	4.60	3.00
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	13.19 kW	12.17 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	4.60	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	o w
PTO	o w	0 W
PSB	o w	0 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	6339 kWh	7747 kWh



Model: Vitocal 200-G BWC 201.B13 SC

Configure model		
Model name Vitocal 200-G BWC 201.B13 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	13.19 kW	12.17 kW
El input	2.89 kW	4.05 kW
СОР	4.60	3.01

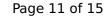
EN 14511-4		
Shutting off the heat transfer medium flow	passed	
Complete power supply failure	passed	
Defrost test	passed	
Starting and operating test	passed	

Average Climate



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	46 dB(A)	49 dB(A)

EN 14825			
		Low temperature	Medium temperature
Pdesignh	13.00 kW		,
η_{s}	189 %	141 %	
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Tbiv	-10 °C	-10 °C	
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Pdh Tj = -7°C	13.18 kW	12.23 kW	
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Pdh Tj = +2°C	13.23 kW	12.63 kW	
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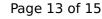
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Supplementary Heater: Type of energy input	Electricity	Electricity	
Supplementary Heater: PSUP	0.00 kW	0.00 kW	
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	Low temperature	Medium temperature
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SCOP	5.00	3.74
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
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COP Tj = +2°C	4.60	3.00
Cdh Tj = +2 °C	0.99	0.99
Pdh Tj = +7°C	13.29 kW	12.45 kW
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WTOL	65 °C	65 °C
Poff	0 W	0 W
PTO	0 W	0 W
PSB	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
Annual energy consumption Qhe	3470 kWh	4279 kWh

Colder Climate

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WTOL	65 °C	65 °C
Poff	0 W	0 W
РТО	o w	o w
PSB	o w	o w
PCK	o w	o w
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
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