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Summary of	Vitocal 2xx-G B13	Reg. No.	011-1W0210
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
COP	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

Warmer Climate

This information was generated by the HP KEYMARK database on 22 Jun 2022

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

This information was generated by the HP KEYMARK database on 22 Jun 2022

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	0 W	0 W
PSB	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	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 %

This information was generated by the HP KEYMARK database on 22 Jun 2022

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°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°C	13.47 kW	13.05 kW
COP Tj = +7°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

This information was generated by the HP KEYMARK database on 22 Jun 2022

WTOL	65 °C	65 °C
Poff	0 W	0 W
PTO	0 W	0 W
PSB	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	6339 kWh	7747 kWh

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	

This information was generated by the HP KEYMARK database on 22 Jun 2022

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	0 W	0 W

This information was generated by the HP KEYMARK database on 22 Jun 2022

PTO	8 W	0 W
PSB	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
Backup Heater	0.00 kW	
Annual energy consumption Q _{he}	5440 kWh	6641 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

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