

Subtype Vitocal 2xx-G B13

Certificate Holder	Viessmann Climate Solutions SE
Address	Viessmannstr. 1
ZIP	35107
City	Allendorf/Eder
Country	DE
Certification Body	DIN CERTCO Gesellschaft für Konformitätsbewertung mbH
Subtype title	Vitocal 2xx-G B13
Registration number	011-1W0210
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

Model name	Vitocal 200-G BWC 201.B13
Application	Heating (medium temp)
Units	Indoor
Climate zone (for heating)	Warmer Climate, Colder Climate
Heat Source	Brine
Cooling mode application (optional)	n/a
Any additional heat sources	n/a

General data

Power supply	3x400V 50Hz
Off-peak product	Yes

Brine/Water

EN 14511-4 | Heating

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

EN 12102-1 | Average Climate

	Low temperature	Medium temperature
Sound power level indoor	46 dB(A)	49 dB(A)

EN 14825 | Average Climate

	Low temperature	Medium temperature
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	0 W	0 W
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
Annual energy consumption Qhe	5440 kWh	6641 kWh

EN 12102-1 | Colder Climate

	Low temperature	Medium temperature
Sound power level indoor	46 dB(A)	49 dB(A)

EN 14825 | Colder Climate

	Low temperature	Medium temperature
η_s	194 %	145 %
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

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

EN 12102-1 | Warmer Climate

	Low temperature	Medium temperature
Sound power level indoor	46 dB(A)	49 dB(A)

EN 14825 | Warmer Climate

	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	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

Model Vitocal 200-G BWC 201.B13 SC

Model name	Vitocal 200-G BWC 201.B13 SC
Application	Heating (medium temp)
Units	Indoor
Climate zone (for heating)	Warmer Climate, Colder Climate
Heat Source	Brine
Cooling mode application (optional)	n/a
Any additional heat sources	n/a

General data

Power supply	3x400V 50Hz
Off-peak product	Yes

Brine/Water

EN 14511-4 | Heating

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

EN 12102-1 | Average Climate

	Low temperature	Medium temperature
Sound power level indoor	46 dB(A)	49 dB(A)

EN 14825 | Average Climate

	Low temperature	Medium temperature
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SCOP	4.94	3.73
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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	5440 kWh	6641 kWh

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Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	6339 kWh	7747 kWh

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Sound power level indoor	46 dB(A)	49 dB(A)

EN 14825 | Warmer Climate

	Low temperature	Medium temperature
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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
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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
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