Login

Summary of	Vitocal 2xx-G B06	Reg. No.	011-1W0285
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 B06		
Heat Pump Type	Brine/Water		
Refrigerant	R410A		
Mass of Refrigerant	1.4 kg		
Certification Date	11.07.2019		

Model: VITOCAL 200-G BWC 201.B06

Configure model	
Model name	VITOCAL 200-G BWC 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	3x400V 50Hz

Heating

EN 14511-2		
	Low temperature	**Medium temperature**
Heat output	5.73 kW	5.11 kW
El input	1.25 kW	1.94 kW
COP	4.60	1.63

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	6.59 kW		
η_s	186 %	134 %	
Prated	6.59 kW	5.94 kW	
SCOP	4.86	3.56	
Tbiv	-7 °C	-7 °C	
TOL	-10 °C	-10 °C	
Pdh Tj = -7°C	5.80 kW	5.23 kW	
COP Tj = -7°C	4.61	3.01	
Cdh Tj = -7 °C	0.99	0.99	
Pdh Tj = +2°C	5.84 kW	5.43 kW	
COP Tj = +2°C	4.85	3.54	
Cdh Tj = +2 °C	0.99	0.99	
Pdh Tj = +7°C	5.93 kW	5.59 kW	
COP Tj = +7°C	5.18	3.96	
Cdh Tj = +7 °C	0.99	0.99	

Pdh Tj = 12°C	5.98 kW	5.70 kW
COP Tj = 12°C	5.45	4.41
Cdh Tj = +12 °C	0.99	0.99
Pdh Tj = Tbiv	5.80 kW	5.23 kW
COP Tj = Tbiv	4.61	3.01
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.80 kW	5.21 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	4.55	2.85
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	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.80 kW	0.73 kW
Backup Heater	0 kW	
Annual energy consumption Qhe	2802 kWh	3452 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	189 %	141 %
Prated	5.70 kW	5.19 kW
SCOP	4.92	3.73
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	5.70 kW	5.20 kW
COP Tj = +2°C	5.18	2.80
Cdh Tj = +2 °C	0.99	0.99
Pdh Tj = +7°C	5.84 kW	5.29 kW
COP Tj = +7°C	4.75	3.20
Cdh Tj = +7 °C	0.99	0.99
Pdh Tj = 12°C	5.94 kW	5.61 kW
COP Tj = 12°C	5.18	4.06
Cdh Tj = +12 °C	0.99	0.99
Pdh Tj = Tbiv	5.70 kW	5.19 kW

COP Tj = Tbiv	5.18	2.83
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.70 kW	5.19 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	5.20	2.83
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	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	1574 kWh	1857 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	184 %	133 %

Prated	9.63 kW	8.97 kW
SCOP	4.80	3.52
Tbiv	-7 °C	-7 °C
TOL	-22 °C	-22 °C
Pdh Tj = -7°C	5.88 kW	5.38 kW
COP Tj = -7°C	5.24	3.52
Cdh Tj = -7 °C	0.99	0.99
Pdh Tj = +2°C	5.97 kW	5.60 kW
COP Tj = +2°C	5.53	4.04
Cdh Tj = +2 °C	0.99	0.99
Pdh Tj = +7°C	5.99 kW	5.71 kW
COP Tj = +7°C	5.73	4.48
Cdh Tj = +7 °C	0.99	0.99
Pdh Tj = 12°C	5.98 kW	5.78 kW
COP Tj = 12°C	5.76	4.82
Cdh Tj = +12 °C	0.99	0.99
Pdh Tj = Tbiv	5.88 kW	5.38 kW
COP Tj = Tbiv	5.24	3.52
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.81 kW	5.20 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	4.80	2.92
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	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	3.82 kW	3.47 kW
Annual energy consumption Qhe	4939 kWh	6069 kWh
Pdh Tj = -15°C (if TOL<-20°C)	5.88	5.29
COP Tj = -15°C (if TOL<-20°C)	5.11	2.92
Cdh Tj = -15 °C	0.99	0.99

Model: VITOCAL 200-G BWC 201.B06 SC

Configure model	
Model name	VITOCAL 200-G BWC 201.B06 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	5.73 kW	5.11 kW
El input	1.25 kW	1.94 kW
COP	4.60	1.63

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	6.59 kW		
η_s	186 %	134 %	
Prated	6.59 kW	5.94 kW	
SCOP	4.86	3.56	
Tbiv	-7 °C	-7 °C	
TOL	-10 °C	-10 °C	
Pdh Tj = -7°C	5.80 kW	5.23 kW	
COP Tj = -7°C	4.61	3.01	
Cdh Tj = -7 °C	0.99	0.99	
Pdh Tj = +2°C	5.84 kW	5.43 kW	
COP Tj = +2°C	4.85	3.54	
Cdh Tj = +2 °C	0.99	0.99	
Pdh Tj = +7°C	5.93 kW	5.59 kW	
COP Tj = +7°C	5.18	3.96	
Cdh Tj = +7 °C	0.99	0.99	

Pdh Tj = 12°C	5.98 kW	5.70 kW
COP Tj = 12°C	5.45	4.41
Cdh Tj = +12 °C	0.99	0.99
Pdh Tj = Tbiv	5.80 kW	5.23 kW
COP Tj = Tbiv	4.61	3.01
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.80 kW	5.21 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	4.55	2.85
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	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.80 kW	0.73 kW
Backup Heater	0 kW	
Annual energy consumption Qhe	2802 kWh	3452 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	189 %	141 %
Prated	5.70 kW	5.19 kW
SCOP	4.92	3.73
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	5.70 kW	5.20 kW
COP Tj = +2°C	5.18	2.80
Cdh Tj = +2 °C	0.99	0.99
Pdh Tj = +7°C	5.84 kW	5.29 kW
COP Tj = +7°C	4.75	3.20
Cdh Tj = +7 °C	0.99	0.99
Pdh Tj = 12°C	5.94 kW	5.61 kW
COP Tj = 12°C	5.18	4.06
Cdh Tj = +12 °C	0.99	0.99
Pdh Tj = Tbiv	5.70 kW	5.19 kW

COP Tj = Tbiv	5.18	2.83
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.70 kW	5.19 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	5.20	2.83
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	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	1574 kWh	1857 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	184 %	133 %

Prated	9.63 kW	8.97 kW
SCOP	4.80	3.52
Tbiv	-7 °C	-7 °C
TOL	-22 °C	-22 °C
Pdh Tj = -7°C	5.88 kW	5.38 kW
COP Tj = -7°C	5.24	3.52
Cdh Tj = -7 °C	0.99	0.99
Pdh Tj = +2°C	5.97 kW	5.60 kW
COP Tj = +2°C	5.53	4.04
Cdh Tj = +2 °C	0.99	0.99
Pdh Tj = +7°C	5.99 kW	5.71 kW
COP Tj = +7°C	5.73	4.48
Cdh Tj = +7 °C	0.99	0.99
Pdh Tj = 12°C	5.98 kW	5.78 kW
COP Tj = 12°C	5.76	4.82
Cdh Tj = +12 °C	0.99	0.99
Pdh Tj = Tbiv	5.88 kW	5.38 kW
COP Tj = Tbiv	5.24	3.52
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.81 kW	5.20 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	4.80	2.92
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	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	3.82 kW	3.47 kW
Annual energy consumption Qhe	4939 kWh	6069 kWh
Pdh Tj = -15°C (if TOL<-20°C)	5.88	5.29
COP Tj = -15°C (if TOL<-20°C)	5.11	2.92
Cdh Tj = -15 °C	0.99	0.99

Model: VITOCAL 222-G BWT 221.B06

Configure model	
Model name	VITOCAL 222-G BWT 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	3x400V 50Hz
Off-peak product	Yes

Heating

EN 14511-2		
	Low temperature	**Medium temperature**
Heat output	5.73 kW	5.11 kW
El input	1.25 kW	1.94 kW
COP	4.60	1.63

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	6.59 kW		
η_s	186 %	134 %	
Prated	6.59 kW	5.94 kW	
SCOP	4.86	3.56	
Tbiv	-7 °C	-7 °C	
TOL	-10 °C	-10 °C	
Pdh Tj = -7°C	5.80 kW	5.23 kW	
COP Tj = -7°C	4.61	3.01	
Cdh Tj = -7 °C	0.99	0.99	
Pdh Tj = +2°C	5.84 kW	5.43 kW	
COP Tj = +2°C	4.85	3.54	
Cdh Tj = +2 °C	0.99	0.99	
Pdh Tj = +7°C	5.93 kW	5.59 kW	
COP Tj = +7°C	5.18	3.96	
Cdh Tj = +7 °C	0.99	0.99	

Pdh Tj = 12°C	5.98 kW	5.70 kW
COP Tj = 12°C	5.45	4.41
Cdh Tj = +12 °C	0.99	0.99
Pdh Tj = Tbiv	5.80 kW	5.23 kW
COP Tj = Tbiv	4.61	3.01
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.80 kW	5.21 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	4.55	2.85
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	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.80 kW	0.73 kW
Backup Heater	0 kW	
Annual energy consumption Qhe	2802 kWh	3452 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	189 %	141 %
Prated	5.70 kW	5.19 kW
SCOP	4.92	3.73
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	5.70 kW	5.20 kW
COP Tj = +2°C	5.18	2.80
Cdh Tj = +2 °C	0.99	0.99
Pdh Tj = +7°C	5.84 kW	5.29 kW
COP Tj = +7°C	4.75	3.20
Cdh Tj = +7 °C	0.99	0.99
Pdh Tj = 12°C	5.94 kW	5.61 kW
COP Tj = 12°C	5.18	4.06
Cdh Tj = +12 °C	0.99	0.99
Pdh Tj = Tbiv	5.70 kW	5.19 kW

COP Tj = Tbiv	5.18	2.83
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.70 kW	5.19 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	5.20	2.83
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	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	1574 kWh	1857 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	184 %	133 %

Prated	9.63 kW	8.97 kW
SCOP	4.80	3.52
Tbiv	-7 °C	-7 °C
TOL	-22 °C	-22 °C
Pdh Tj = -7°C	5.88 kW	5.38 kW
COP Tj = -7°C	5.24	3.52
Cdh Tj = -7 °C	0.99	0.99
Pdh Tj = +2°C	5.97 kW	5.60 kW
COP Tj = +2°C	5.53	4.04
Cdh Tj = +2 °C	0.99	0.99
Pdh Tj = +7°C	5.99 kW	5.71 kW
COP Tj = +7°C	5.73	4.48
Cdh Tj = +7 °C	0.99	0.99
Pdh Tj = 12°C	5.98 kW	5.78 kW
COP Tj = 12°C	5.76	4.82
Cdh Tj = +12 °C	0.99	0.99
Pdh Tj = Tbiv	5.88 kW	5.38 kW
COP Tj = Tbiv	5.24	3.52
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.81 kW	5.20 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	4.80	2.92
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	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	3.82 kW	3.47 kW
Annual energy consumption Qhe	4939 kWh	6069 kWh
Pdh Tj = -15°C (if TOL<-20°C)	5.88	5.29
COP Tj = -15°C (if TOL<-20°C)	5.11	2.92
Cdh Tj = -15 °C	0.99	0.99

Domestic Hot Water (DHW)

Average Climate

EN 16147	
Declared load profile	XL
Efficiency ηDHW	130 %
COP	3.14
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 l

Warmer Climate

EN 16147	
Declared load profile	XL
Efficiency ηDHW	130 %
COP	3.14
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 l

Colder Climate

EN 16147	
Declared load profile	XL
Efficiency ηDHW	130 %
COP	3.14
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 l

Model: VITOCAL 222-G BWT 221.B06 SC

Configure model	
Model name	VITOCAL 222-G BWT 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	3x400V 50Hz
Off-peak product	Yes

Heating

EN 14511-2		
	Low temperature	**Medium temperature**
Heat output	5.73 kW	5.11 kW
El input	1.25 kW	1.94 kW
COP	4.60	1.63

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	6.59 kW		
η_s	186 %	134 %	
Prated	6.59 kW	5.94 kW	
SCOP	4.86	3.56	
Tbiv	-7 °C	-7 °C	
TOL	-10 °C	-10 °C	
Pdh Tj = -7°C	5.80 kW	5.23 kW	
COP Tj = -7°C	4.61	3.01	
Cdh Tj = -7 °C	0.99	0.99	
Pdh Tj = +2°C	5.84 kW	5.43 kW	
COP Tj = +2°C	4.85	3.54	
Cdh Tj = +2 °C	0.99	0.99	
Pdh Tj = +7°C	5.93 kW	5.59 kW	
COP Tj = +7°C	5.18	3.96	
Cdh Tj = +7 °C	0.99	0.99	

Pdh Tj = 12°C	5.98 kW	5.70 kW
COP Tj = 12°C	5.45	4.41
Cdh Tj = +12 °C	0.99	0.99
Pdh Tj = Tbiv	5.80 kW	5.23 kW
COP Tj = Tbiv	4.61	3.01
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.80 kW	5.21 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	4.55	2.85
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	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.80 kW	0.73 kW
Backup Heater	0 kW	
Annual energy consumption Qhe	2802 kWh	3452 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	189 %	141 %
Prated	5.70 kW	5.19 kW
SCOP	4.92	3.73
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	5.70 kW	5.20 kW
COP Tj = +2°C	5.18	2.80
Cdh Tj = +2 °C	0.99	0.99
Pdh Tj = +7°C	5.84 kW	5.29 kW
COP Tj = +7°C	4.75	3.20
Cdh Tj = +7 °C	0.99	0.99
Pdh Tj = 12°C	5.94 kW	5.61 kW
COP Tj = 12°C	5.18	4.06
Cdh Tj = +12 °C	0.99	0.99
Pdh Tj = Tbiv	5.70 kW	5.19 kW

COP Tj = Tbiv	5.18	2.83
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.70 kW	5.19 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	5.20	2.83
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	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	1574 kWh	1857 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	184 %	133 %

Prated	9.63 kW	8.97 kW
SCOP	4.80	3.52
Tbiv	-7 °C	-7 °C
TOL	-22 °C	-22 °C
Pdh Tj = -7°C	5.88 kW	5.38 kW
COP Tj = -7°C	5.24	3.52
Cdh Tj = -7 °C	0.99	0.99
Pdh Tj = +2°C	5.97 kW	5.60 kW
COP Tj = +2°C	5.53	4.04
Cdh Tj = +2 °C	0.99	0.99
Pdh Tj = +7°C	5.99 kW	5.71 kW
COP Tj = +7°C	5.73	4.48
Cdh Tj = +7 °C	0.99	0.99
Pdh Tj = 12°C	5.98 kW	5.78 kW
COP Tj = 12°C	5.76	4.82
Cdh Tj = +12 °C	0.99	0.99
Pdh Tj = Tbiv	5.88 kW	5.38 kW
COP Tj = Tbiv	5.24	3.52
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.81 kW	5.20 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	4.80	2.92
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	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	3.82 kW	3.47 kW
Annual energy consumption Qhe	4939 kWh	6069 kWh
Pdh Tj = -15°C (if TOL<-20°C)	5.88	5.29
COP Tj = -15°C (if TOL<-20°C)	5.11	2.92
Cdh Tj = -15 °C	0.99	0.99

Domestic Hot Water (DHW)

Average Climate

EN 16147	
Declared load profile	XL
Efficiency ηDHW	130 %
COP	3.14
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 l

Warmer Climate

EN 16147	
Declared load profile	XL
Efficiency ηDHW	130 %
COP	3.14
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 l

Colder Climate

EN 16147	
Declared load profile	XL
Efficiency ηDHW	130 %
COP	3.14
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 l