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Login

Summary of	Vitocal 2xx-G M B06	Reg. No.	011-1W0288
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 M B06		
Heat Pump Type	Brine/Water		
Refrigerant	R410A		
Mass of Refrigerant	1.4 kg		
Certification Date	11.07.2019		



Model: VITOCAL 200-G BWC-M 201.B06

Configure model		
Model name	VITOCAL 200-G BWC-M 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 1x230V 50Hz		

Heating

EN 14511-2			
Low temperature Medium temperature			
Heat output	5.79 kW	5.19 kW	
El input	1.34 kW	2.07 kW	
СОР	4.31	2.51	

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	40 dB(A)	40 dB(A)	

EN 14825		
	Low temperature	Medium temperature
η_{s}	204 %	130 %
Prated	5.59 kW	5.22 kW
SCOP	5.16	3.46
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	5.59 kW	5.22 kW
COP Tj = +2°C	4.69	2.80
Cdh Tj = +2 °C	0.99	0.99
Pdh Tj = +7°C	5.60 kW	5.15 kW
COP Tj = +7°C	4.93	3.17
Cdh Tj = +7 °C	0.99	0.99
Pdh Tj = 12°C	5.68 kW	5.48 kW
COP Tj = 12°C	5.43	3.96
Cdh Tj = +12 °C	0.99	0.99
Pdh Tj = Tbiv	5.59 kW	5.22 kW

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4.69	2.80
5.59 kW	5.22 kW
4.69	2.80
0.99	0.99
65 °C	65 °C
0 W	0 W
0 W	0 W
12 W	12 W
0 W	o w
Electricity	Electricity
0.00 kW	0.00 kW
1447 kWh	2014 kWh
	5.59 kW 4.69 0.99 65 °C 0 W 12 W 0 W Electricity 0.00 kW

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}	183 %	132 %





Prated	9.15 kW	8.41 kW
SCOP	4.79	3.51
Tbiv	-7 °C	-7 °C
TOL	-22 °C	-22 °C
Pdh Tj = -7°C	5.60 kW	5.17 kW
$COPTj = -7^{\circ}C$	5.32	3.46
Cdh Tj = -7 °C	0.99	0.99
Pdh Tj = $+2$ °C	5.65 kW	5.39 kW
$COPTj = +2^{\circ}C$	5.63	4.00
Cdh Tj = $+2$ °C	0.99	0.99
Pdh Tj = $+7^{\circ}$ C	5.67 kW	5.46 kW
$COP Tj = +7^{\circ}C$	5.85	4.43
Cdh Tj = $+7$ °C	0.99	0.99
Pdh Tj = 12°C	5.71 kW	5.49 kW
COP Tj = 12°C	5.95	4.80
Cdh Tj = +12 °C	0.99	0.99
Pdh Tj = Tbiv	5.60 kW	5.17 kW
COP Tj = Tbiv	5.32	3.46
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.32 kW	5.23 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	4.85	2.91
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	3.62 kW	3.18 kW
Annual energy consumption Qhe	4713 kWh	5907 kWh
Pdh Tj = -15°C (if TOL<-20°C)	5.82	5.23
COP Tj = -15°C (if TOL $<$ -20°C)	4.85	2.91
Cdh Tj = -15 °C	0.99	0.99

Average Climate

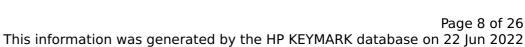
EN 12102-1			
	Low temperature	Medium temperature	
Sound power level indoor	40 dB(A)	40 dB(A)	

EN 14825			
		Low temperature	Medium temperature
designh	6.37 kW		-
η _s	201 %	133 %	





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Prated	6.37 kW	5.75 kW
SCOP	5.23	3.52
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	5.61 kW	5.06 kW
COP Tj = -7°C	4.92	2.95
Cdh Tj = -7 °C	0.99	0.99
Pdh Tj = +2°C	5.66 kW	5.12 kW
COP Tj = +2°C	5.26	3.50
Cdh Tj = +2 °C	0.99	0.99
Pdh Tj = +7°C	5.69 kW	5.27 kW
$COP Tj = +7^{\circ}C$	5.54	3.91
Cdh Tj = +7 °C	0.99	0.99
Pdh Tj = 12°C	5.72 kW	5.37 kW
COP Tj = 12°C	5.86	4.41
Cdh Tj = +12 °C	0.99	0.99
Pdh Tj = Tbiv	5.61 kW	5.06 kW
COP Tj = Tbiv	4.92	2.95
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.60 kW	5.16 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	4.85	2.85



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	0.77 kW	0.59 kW
Backup Heater	0.00 kW	
Annual energy consumption Qhe	2516 kWh	3378 kWh

CEN heat pump KEYMARK



Model: VITOCAL 222-G BWT-M 221.B06

Configure model		
Model name	VITOCAL 222-G BWT-M 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	1x230V 50Hz	
Off-peak product	Yes	

Heating

EN 14511-2				
Low temperature Medium temperature				
Heat output	5.79 kW	5.19 kW		
El input	1.34 kW	2.07 kW		
СОР	4.31	2.51		

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

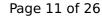
Warmer Climate



EN 12102-1			
Low temperature Medium temperature			
Sound power level indoor	40 dB(A)	40 dB(A)	

EN 14825		
	Low temperature	Medium temperature
η_{s}	204 %	130 %
Prated	5.59 kW	5.22 kW
SCOP	5.16	3.46
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	5.59 kW	5.22 kW
COP Tj = +2°C	4.69	2.80
Cdh Tj = +2 °C	0.99	0.99
Pdh Tj = $+7^{\circ}$ C	5.60 kW	5.15 kW
$COP Tj = +7^{\circ}C$	4.93	3.17
Cdh Tj = +7 °C	0.99	0.99
Pdh Tj = 12°C	5.68 kW	5.48 kW
COP Tj = 12°C	5.43	3.96
Cdh Tj = +12 °C	0.99	0.99
Pdh Tj = Tbiv	5.59 kW	5.22 kW

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COP Tj = Tbiv 4.69 2.80 Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh 5.59 kW 5.22 kW COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh 4.69 2.80 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 1447 kWh 2014 kWh			
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh 0.99 WTOL 65 °C 65 °C Poff 0 W 0 W PTO 0 W 12 W PCK D W Supplementary Heater: Type of energy input Electricity Electricity Supplementary Heater: PSUP 0.00 kW 0.099 0.099 0.099 0.099 0.09 0.00 w 0 W 0 W 0 W 0 W 0 W 0 W 0 W	COP Tj = Tbiv	4.69	2.80
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh WTOL 65 °C 65 °C Poff 0 W 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	Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.59 kW	5.22 kW
WTOL 65 °C 65 °C Poff 0 W 0 W PTO 0 W 0 W PSB 12 W 12 W PCK 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	4.69	2.80
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	Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.99	0.99
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	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	PTO	0 W	0 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	o w	0 W
	Supplementary Heater: Type of energy input	Electricity	Electricity
Annual energy consumption Qhe 1447 kWh 2014 kWh	Supplementary Heater: PSUP	0.00 kW	0.00 kW
	Annual energy consumption Qhe	1447 kWh	2014 kWh

Colder Climate

EN 12102-1			
Low temperature Medium temperature			
Sound power level indoor	40 dB(A)	40 dB(A)	

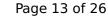
EN 14825		
	Low temperature	Medium temperature
η_{S}	183 %	132 %





		RK database on 22 Jun 202
Prated	9.15 kW	8.41 kW
SCOP	4.79	3.51
Tbiv	-7 °C	-7 °C
TOL	-22 °C	-22 °C
Pdh Tj = -7°C	5.60 kW	5.17 kW
$COPTj = -7^{\circ}C$	5.32	3.46
Cdh Tj = -7 °C	0.99	0.99
Pdh Tj = +2°C	5.65 kW	5.39 kW
COP Tj = +2°C	5.63	4.00
Cdh Tj = +2 °C	0.99	0.99
Pdh Tj = $+7^{\circ}$ C	5.67 kW	5.46 kW
$COPTj = +7^{\circ}C$	5.85	4.43
Cdh Tj = +7 °C	0.99	0.99
Pdh Tj = 12°C	5.71 kW	5.49 kW
COP Tj = 12°C	5.95	4.80
Cdh Tj = +12 °C	0.99	0.99
Pdh Tj = Tbiv	5.60 kW	5.17 kW
COP Tj = Tbiv	5.32	3.46
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.32 kW	5.23 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	4.85	2.91
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	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	3.62 kW	3.18 kW
Annual energy consumption Qhe	4713 kWh	5907 kWh
Pdh Tj = -15°C (if TOL<-20°C)	5.82	5.23
COP Tj = -15°C (if TOL $<$ -20°C)	4.85	2.91
Cdh Tj = -15 °C	0.99	0.99

Average Climate

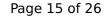
EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	40 dB(A)	40 dB(A)

EN 14825			
		Low temperature	Medium temperature
designh	6.37 kW		-
η _s	201 %	133 %	





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Prated	6.37 kW	5.75 kW
SCOP	5.23	3.52
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	5.61 kW	5.06 kW
COP Tj = -7°C	4.92	2.95
Cdh Tj = -7 °C	0.99	0.99
Pdh Tj = +2°C	5.66 kW	5.12 kW
COP Tj = +2°C	5.26	3.50
Cdh Tj = +2 °C	0.99	0.99
Pdh Tj = +7°C	5.69 kW	5.27 kW
$COP Tj = +7^{\circ}C$	5.54	3.91
Cdh Tj = +7 °C	0.99	0.99
Pdh Tj = 12°C	5.72 kW	5.37 kW
COP Tj = 12°C	5.86	4.41
Cdh Tj = +12 °C	0.99	0.99
Pdh Tj = Tbiv	5.61 kW	5.06 kW
COP Tj = Tbiv	4.92	2.95
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.60 kW	5.16 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	4.85	2.85





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	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	0.77 kW	0.59 kW	
Backup Heater	0.00 kW		
Annual energy consumption Qhe	2516 kWh	3378 kWh	

Domestic Hot Water (DHW)

Warmer Climate



EN 16147	
Declared load profile	XL
Efficiency ηDHW	130 %
СОР	3.05
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 I

Colder Climate

EN 16147	
Declared load profile	XL
Efficiency ηDHW	130 %
СОР	3.05
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 I

Average Climate



EN 16147	
Declared load profile	XL
Efficiency ηDHW	130 %
СОР	3.05
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 I



Model: VITOCAL 222-G BWT-M 221.B06 SC

Configure model		
Model name	VITOCAL 222-G BWT-M 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	1x230V 50Hz
Off-peak product	Yes

Heating

EN 14511-2			
Low temperature Medium temperature			
Heat output	5.79 kW	5.19 kW	
El input	1.34 kW	2.07 kW	
СОР	4.31	2.51	

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	40 dB(A)	40 dB(A)	

EN 14825			
	Low temperature	Medium temperature	
η_{s}	204 %	130 %	
Prated	5.59 kW	5.22 kW	
SCOP	5.16	3.46	
Tbiv	2 °C	2 °C	
TOL	2 °C	2 °C	
Pdh Tj = +2°C	5.59 kW	5.22 kW	
COP Tj = +2°C	4.69	2.80	
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COP Tj = Tbiv 4.69 2.80 Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh 5.59 kW 5.22 kW COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh 4.69 2.80 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 1447 kWh 2014 kWh			
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	COP Tj = Tbiv	4.69	2.80
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.59 kW	5.22 kW
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	4.69	2.80
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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	0 W
PCK 0 W 0 W Supplementary Heater: Type of energy input Electricity Electricity Supplementary Heater: PSUP 0.00 kW 0.00 kW	РТО	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	o w	0 W
	Supplementary Heater: Type of energy input	Electricity	Electricity
Annual energy consumption Qhe 1447 kWh 2014 kWh	Supplementary Heater: PSUP	0.00 kW	0.00 kW
	Annual energy consumption Qhe	1447 kWh	2014 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}	183 %	132 %	
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This information was gener	acca by the Hi KETMA	NK database on 22 juli 202
Prated	9.15 kW	8.41 kW
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Pdh Tj = Tbiv	5.60 kW	5.17 kW
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Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.32 kW	5.23 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	4.85	2.91
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	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	3.62 kW	3.18 kW
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Average Climate

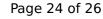
EN 12102-1			
	Low temperature	Medium temperature	
Sound power level indoor	40 dB(A)	40 dB(A)	

EN 14825			
		Low temperature	Medium temperature
designh	6.37 kW		-
η _s	201 %	133 %	





<u>, </u>	TO THE THE NETWARK
6.37 kW	5.75 kW
5.23	3.52
-7 °C	-7 °C
-10 °C	-10 °C
5.61 kW	5.06 kW
4.92	2.95
0.99	0.99
5.66 kW	5.12 kW
5.26	3.50
0.99	0.99
5.69 kW	5.27 kW
5.54	3.91
0.99	0.99
5.72 kW	5.37 kW
5.86	4.41
0.99	0.99
5.61 kW	5.06 kW
4.92	2.95
5.60 kW	5.16 kW
4.85	2.85
	6.37 kW 5.23 -7 °C -10 °C 5.61 kW 4.92 0.99 5.66 kW 5.26 0.99 5.69 kW 5.54 0.99 5.72 kW 5.86 0.99 5.61 kW 4.92 5.60 kW





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	0 W	o w
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.77 kW	0.59 kW
Backup Heater	0.00 kW	
Annual energy consumption Qhe	2516 kWh	3378 kWh

Domestic Hot Water (DHW)

Warmer Climate

EN 16147			
Declared load profile	XL		
Efficiency ηDHW	130 %		
СОР	3.05		
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 I		

Colder Climate

EN 16147			
Declared load profile	XL		
Efficiency ηDHW	130 %		
СОР	3.05		
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 I		

Average Climate



EN 16147			
Declared load profile	XL		
Efficiency ηDHW	130 %		
СОР	3.05		
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 I		