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This information was generated by the HP KEYMARK database on 18 Mar 2022

Login

Summary of	Vitocal 3xx-G C06	Reg. No.	011-1W0291	
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 3xx-G C06			
Heat Pump Type	Brine/Water			
Refrigerant	R410A			
Mass of Refrigerant	2 kg			
Certification Date	11.07.2019			



Model: VITOCAL 300-G BWC 301.C06

Configure model			
Model name	VITOCAL 300-G BWC 301.C06		
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	4.28 kW	3.85 kW		
El input	0.92 kW	1.41 kW		
СОР	4.65	2.73		

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)	

CEN heat pump KEYMARK

EN 14825			
		Low temperature	Medium temperature
Pdesignh	6.00 kW		
η_{s}	204 %	141 %	
Prated	6.00 kW	6.00 kW	
SCOP	5.29	3.72	
Tbiv	-10 °C	-10 °C	
TOL	-10 °C	-10 °C	
Pdh Tj = -7°C	5.33 kW	5.48 kW	
COP Tj = -7°C	4.63	3.06	
Cdh Tj = -7 °C	0.99	0.99	
Pdh Tj = +2°C	3.27 kW	3.24 kW	
COP Tj = +2°C	5.33	3.77	
Cdh Tj = +2 °C	0.98	0.98	
Pdh Tj = $+7$ °C	2.17 kW	2.17 kW	
$COP Tj = +7^{\circ}C$	5.59	4.06	
Cdh Tj = +7 °C	0.96	0.97	





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Pdh Tj = 12°C	1.77 kW	1.73 kW
COP Tj = 12°C	5.96	4.12
Cdh Tj = +12 °C	0.95	0.96
Pdh Tj = Tbiv	5.90 kW	6.25 kW
COP Tj = Tbiv	4.48	2.87
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.90 kW	6.25 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	4.48	2.87
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL $<$ Tdesignh	0.99	0.99
WTOL	65 °C	65 °C
Poff	0 W	o w
РТО	0 W	o w
PSB	12 W	12 W
PCK	0 W	o w
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.10 kW	0.00 kW
Backup Heater	0.00 kW	
Annual energy consumption Qhe	2331 kWh	3329 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}	205 %	140 %	
Prated	6.00 kW	6.00 kW	
SCOP	5.19	3.71	
Tbiv	2 °C	2 °C	
TOL	2 °C	2 °C	
Pdh Tj = +2°C	5.67 kW	6.22 kW	
COP Tj = +2°C	4.51	2.87	
Cdh Tj = +2 °C	0.99	0.99	
Pdh Tj = +7°C	3.99 kW	3.86 kW	
COP Tj = +7°C	5.16	3.43	
Cdh Tj = +7 °C	0.98	0.99	
Pdh Tj = 12°C	1.77 kW	1.78 kW	
COP Tj = 12°C	5.32	4.10	
Cdh Tj = +12 °C	0.96	0.97	
Pdh Tj = Tbiv	5.67 kW	6.22 kW	





COP Tj = Tbiv	4.51	2.87
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.67 kW	6.22 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	4.51	2.87
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	0.33 kW	0.00 kW
Annual energy consumption Qhe	1544 kWh	2163 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}	205 %	148 %





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Prated	6.00 kW	6.00 kW
SCOP	5.32	3.89
Tbiv	-22 °C	-22 °C
TOL	-22 °C	-22 °C
Pdh Tj = -7° C	3.66 kW	3.71 kW
$COP Tj = -7^{\circ}C$	5.42	3.62
Cdh Tj = -7 °C	0.98	0.99
Pdh Tj = $+2$ °C	3.10 kW	2.24 kW
COP Tj = +2°C	5.33	4.01
Cdh Tj = +2 °C	0.96	0.99
Pdh Tj = $+7^{\circ}$ C	2.21 kW	1.70 kW
$COPTj = +7^{\circ}C$	5.93	4.94
Cdh Tj = $+7$ °C	0.95	0.99
Pdh Tj = 12°C	1.76 kW	1.72 kW
COP Tj = 12°C	5.95	5.20
Cdh Tj = +12 °C	0.95	0.99
Pdh Tj = Tbiv	6.08 kW	5.99 kW
COP Tj = Tbiv	4.46	2.87
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.08 kW	5.99 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	4.46	2.87
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.99	0.99



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WTOL	65 °C	65 °C
Poff	0 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	0.00 kW	0.00 kW
Annual energy consumption Qhe	2779 kWh	3801 kWh
Pdh Tj = -15°C (if TOL<-20°C)	4.92	4.92
COP Tj = -15°C (if TOL $<$ -20°C)	4.91	3.22
Cdh Tj = -15 °C	0.99	0.99



Model: VITOCAL 300-G BWC 301.C06 SC

Configure model		
Model name VITOCAL 300-G BWC 301.C06 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	4.28 kW	3.85 kW
El input	0.92 kW	1.41 kW
СОР	4.65	2.73

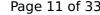
EN 14511-4		
Shutting off the heat transfer medium flow	passed	
Complete power supply failure	passed	
Defrost test	passed	
Starting and operating test	passed	

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	6.00 kW			
η_{s}	204 %	141 %		
Prated	6.00 kW	6.00 kW		
SCOP	5.29	3.72		
Tbiv	-10 °C	-10 °C		
TOL	-10 °C	-10 °C		
Pdh Tj = -7°C	5.33 kW	5.48 kW		
COP Tj = -7°C	4.63	3.06		
Cdh Tj = -7 °C	0.99	0.99		
Pdh Tj = +2°C	3.27 kW	3.24 kW		
COP Tj = +2°C	5.33	3.77		
Cdh Tj = +2 °C	0.98	0.98		
Pdh Tj = +7°C	2.17 kW	2.17 kW		
COP Tj = +7°C	5.59	4.06		
Cdh Tj = +7 °C	0.96	0.97		





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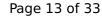
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Pdh Tj = 12°C	1.77 kW	1.73 kW
COP Tj = 12°C	5.96	4.12
Cdh Tj = +12 °C	0.95	0.96
Pdh Tj = Tbiv	5.90 kW	6.25 kW
COP Tj = Tbiv	4.48	2.87
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.90 kW	6.25 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	4.48	2.87
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	0 W	o w
PSB	12 W	12 W
РСК	0 W	o w
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.10 kW	0.00 kW
Backup Heater	0.00 kW	
Annual energy consumption Qhe	2331 kWh	3329 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}	205 %	140 %
Prated	6.00 kW	6.00 kW
SCOP	5.19	3.71
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	5.67 kW	6.22 kW
COP Tj = +2°C	4.51	2.87
Cdh Tj = +2 °C	0.99	0.99
Pdh Tj = +7°C	3.99 kW	3.86 kW
COP Tj = +7°C	5.16	3.43
Cdh Tj = +7 °C	0.98	0.99
Pdh Tj = 12°C	1.77 kW	1.78 kW
COP Tj = 12°C	5.32	4.10
Cdh Tj = +12 °C	0.96	0.97
Pdh Tj = Tbiv	5.67 kW	6.22 kW





4.51	2.87
5.67 kW	6.22 kW
4.51	2.87
0.99	0.99
65 °C	65 °C
0 W	0 W
0 W	0 W
12 W	12 W
0 W	0 W
Electricity	Electricity
0.33 kW	0.00 kW
1544 kWh	2163 kWh
	5.67 kW 4.51 0.99 65 °C 0 W 0 W 12 W 0 W Electricity 0.33 kW

Colder Climate

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

EN 148	325	
	Low temperature	Medium temperature
η_{s}	205 %	148 %





This information was genera	ited by the Hi REH-I/R	tit database on 10 mai 2022
Prated	6.00 kW	6.00 kW
SCOP	5.32	3.89
Tbiv	-22 °C	-22 °C
TOL	-22 °C	-22 °C
Pdh Tj = -7°C	3.66 kW	3.71 kW
$COP Tj = -7^{\circ}C$	5.42	3.62
Cdh Tj = -7 °C	0.98	0.99
Pdh Tj = $+2$ °C	3.10 kW	2.24 kW
COP Tj = +2°C	5.33	4.01
Cdh Tj = +2 °C	0.96	0.99
Pdh Tj = $+7^{\circ}$ C	2.21 kW	1.70 kW
COP Tj = +7°C	5.93	4.94
Cdh Tj = +7 °C	0.95	0.99
Pdh Tj = 12°C	1.76 kW	1.72 kW
COP Tj = 12°C	5.95	5.20
Cdh Tj = +12 °C	0.95	0.99
Pdh Tj = Tbiv	6.08 kW	5.99 kW
COP Tj = Tbiv	4.46	2.87
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.08 kW	5.99 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	4.46	2.87
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	0.00 kW	0.00 kW
Annual energy consumption Qhe	2779 kWh	3801 kWh
Pdh Tj = -15°C (if TOL<-20°C)	4.92	4.92
COP Tj = -15°C (if TOL $<$ -20°C)	4.91	3.22
Cdh Tj = -15 °C	0.99	0.99



Model: VITOCAL 333-G BWT 331.C06

Со	Configure model	
Model name	VITOCAL 333-G BWT 331.C06	
Application	Heating + DHW + low temp	
Units	Indoor	
Climate Zone	Colder Climate + Warmer Climate	
Reversibility	No	
Cooling mode application (optional)	n/a	

General Da	ata
Power supply	3x400V 50Hz
Off-peak product	Yes

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	4.28 kW	3.85 kW
El input	0.92 kW	1.41 kW
СОР	4.65	2.73

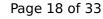
EN 14511-4	
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

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	6.00 kV	ı	
η_{s}	204 %	141 %	
Prated	6.00 kV	6.00 kW	
SCOP	5.29	3.72	
Tbiv	-10 °C	-10 °C	
TOL	-10 °C	-10 °C	
Pdh Tj = -7°C	5.33 kV	5.48 kW	
COP Tj = -7°C	4.63	3.06	
Cdh Tj = -7 °C	0.99	0.99	
Pdh Tj = +2°C	3.27 kV	3.24 kW	
COP Tj = +2°C	5.33	3.77	
Cdh Tj = +2 °C	0.98	0.98	
Pdh Tj = +7°C	2.17 kV	2.17 kW	
COP Tj = +7°C	5.59	4.06	
Cdh Tj = +7 °C	0.96	0.97	





This information was g	Theracea b	y che ili ke ilinkikk
Pdh Tj = 12°C	1.77 kW	1.73 kW
COP Tj = 12°C	5.96	4.12
Cdh Tj = +12 °C	0.95	0.96
Pdh Tj = Tbiv	5.90 kW	6.25 kW
COP Tj = Tbiv	4.48	2.87
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL $<$ Tdesignh	5.90 kW	6.25 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	4.48	2.87
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	0 W
PSB	12 W	12 W
PCK	o w	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.10 kW	0.00 kW
Backup Heater	0.00 kW	
Annual energy consumption Qhe	2331 kWh	3329 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}	205 %	140 %
Prated	6.00 kW	6.00 kW
SCOP	5.19	3.71
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	5.67 kW	6.22 kW
COP Tj = +2°C	4.51	2.87
Cdh Tj = +2 °C	0.99	0.99
Pdh Tj = +7°C	3.99 kW	3.86 kW
COP Tj = +7°C	5.16	3.43
Cdh Tj = +7 °C	0.98	0.99
Pdh Tj = 12°C	1.77 kW	1.78 kW
COP Tj = 12°C	5.32	4.10
Cdh Tj = +12 °C	0.96	0.97
Pdh Tj = Tbiv	5.67 kW	6.22 kW





COP Tj = Tbiv	4.51	2.87
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.67 kW	6.22 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	4.51	2.87
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	o w	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.33 kW	0.00 kW
Annual energy consumption Qhe	1544 kWh	2163 kWh

Colder Climate

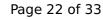
EN 12102-1			
Low temperature Medium temperature			
Sound power level indoor	40 dB(A)	40 dB(A)	

EN 14825		
	Low temperature	Medium temperature
η_{S}	205 %	148 %





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Prated	6.00 kW	6.00 kW
SCOP	5.32	3.89
Tbiv	-22 °C	-22 °C
TOL	-22 °C	-22 °C
Pdh Tj = -7°C	3.66 kW	3.71 kW
$COPTj = -7^{\circ}C$	5.42	3.62
Cdh Tj = -7 °C	0.98	0.99
Pdh Tj = +2°C	3.10 kW	2.24 kW
COP Tj = +2°C	5.33	4.01
Cdh Tj = +2 °C	0.96	0.99
Pdh Tj = $+7^{\circ}$ C	2.21 kW	1.70 kW
$COPTj = +7^{\circ}C$	5.93	4.94
Cdh Tj = +7 °C	0.95	0.99
Pdh Tj = 12°C	1.76 kW	1.72 kW
COP Tj = 12°C	5.95	5.20
Cdh Tj = +12 °C	0.95	0.99
Pdh Tj = Tbiv	6.08 kW	5.99 kW
COP Tj = Tbiv	4.46	2.87
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.08 kW	5.99 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	4.46	2.87
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
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	0.00 kW	0.00 kW
Annual energy consumption Qhe	2779 kWh	3801 kWh
Pdh Tj = -15°C (if TOL<-20°C)	4.92	4.92
COP Tj = -15°C (if TOL $<$ -20°C)	4.91	3.22
Cdh Tj = -15 °C	0.99	0.99

Domestic Hot Water (DHW)

Average Climate

315 I

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EN 16147

Declared load profile XL

Efficiency ηDHW 127 %

COP 3.05

Heating up time 1:33 h:min

Standby power input 51.0 W

Reference hot water temperature 54.9 °C

Warmer Climate

Mixed water at 40°C

EN 16147		
Declared load profile	XL	
Efficiency ηDHW	127 %	
СОР	3.05	
Heating up time	1:33 h:min	
Standby power input	51.0 W	
Reference hot water temperature	54.9 °C	
Mixed water at 40°C	315	

Colder Climate



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EN 16147	
Declared load profile	XL
Efficiency ηDHW	127 %
СОР	3.05
Heating up time	1:33 h:min
Standby power input	51.0 W
Reference hot water temperature	54.9 °C
Mixed water at 40°C	315



Model: VITOCAL 333-G BWT 331.C06 SC

Configure model		
Model name	VITOCAL 333-G BWT 331.C06 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	4.28 kW	3.85 kW
El input	0.92 kW	1.41 kW
СОР	4.65	2.73

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	6.00 kV	ı	
η_{s}	204 %	141 %	
Prated	6.00 kV	6.00 kW	
SCOP	5.29	3.72	
Tbiv	-10 °C	-10 °C	
TOL	-10 °C	-10 °C	
Pdh Tj = -7°C	5.33 kV	5.48 kW	
COP Tj = -7°C	4.63	3.06	
Cdh Tj = -7 °C	0.99	0.99	
Pdh Tj = +2°C	3.27 kV	3.24 kW	
COP Tj = +2°C	5.33	3.77	
Cdh Tj = +2 °C	0.98	0.98	
Pdh Tj = +7°C	2.17 kV	2.17 kW	
COP Tj = +7°C	5.59	4.06	
Cdh Tj = +7 °C	0.96	0.97	





Pdh Tj = 12°C 1.77 kW 1.73 kW COP Tj = 12°C 5.96 4.12 Cdh Tj = +12 °C 0.95 0.96 Pdh Tj = Tbiv 5.90 kW 6.25 kW COP Tj = Tbiv 4.48 2.87 Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < 5.90 kW 6.25 kW COP Tj = TOL or COP Tj = Tdesignh if TOL < 4.48 2.87 Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < 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 0.10 kW 0.00 kW Annual energy consumption Qhe 2331 kWh kWh			,
Cdh Tj = +12 °C 0.95 0.96 Pdh Tj = Tbiv 5.90 kW 6.25 kW COP Tj = Tbiv 4.48 2.87 Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL 5.90 kW 6.25 kW COP Tj = TOL or COP Tj = Tdesignh if TOL 4.48 2.87 Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL 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 0.10 kW 0.00 kW Annual energy consumption Qhe 2331 3329 kWh	Pdh Tj = 12°C	1.77 kW	1.73 kW
Pdh Tj = Tbiv 5.90 kW 6.25 kW COP Tj = Tbiv 4.48 2.87 Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL 5.90 kW 6.25 kW COP Tj = TOL or COP Tj = Tdesignh if TOL 4.48 2.87 Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL 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 0.10 kW 0.00 kW Annual energy consumption Qhe 2331 3329 kWh	COP Tj = 12°C	5.96	4.12
COP Tj = Tbiv 4.48 2.87 Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL 5.90 kW 6.25 kW COP Tj = TOL or COP Tj = Tdesignh if TOL 4.48 2.87 Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL 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 0.10 kW 0.00 kW Annual energy consumption Qhe 2331 3329 kWh	Cdh Tj = +12 °C	0.95	0.96
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL 5.90 kW 6.25 kW COP Tj = TOL or COP Tj = Tdesignh if TOL 4.48 2.87 Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL 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 0.10 kW 0.00 kW Backup Heater 0.00 kW Annual energy consumption Qhe 2331 3329 kWh	Pdh Tj = Tbiv	5.90 kW	6.25 kW
Tdesignh 4.48 2.87 COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	COP Tj = Tbiv	4.48	2.87
Tdesignh 0.99 0.99 Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL 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 0.10 kW 0.00 kW Backup Heater 0.00 kW Annual energy consumption Qhe 2331 3329 kWh	Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL $<$ Tdesignh	5.90 kW	6.25 kW
Tdesignh 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 0.10 kW 0.00 kW Backup Heater 0.00 kW Annual energy consumption Qhe 2331 3329 kWh	COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	4.48	2.87
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 0.10 kW 0.00 kW Backup Heater 0.00 kW Annual energy consumption Qhe 2331 3329 kWh		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 0.10 kW 0.00 kW Backup Heater 0.00 kW Annual energy consumption Qhe 2331 3329 kWh	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 0.10 kW 0.00 kW Backup Heater 0.00 kW Annual energy consumption Qhe 2331 3329 kWh	Poff	o w	0 W
PCK 0 W 0 W Supplementary Heater: Type of energy input Electricity Electricity Supplementary Heater: PSUP 0.10 kW 0.00 kW Backup Heater 0.00 kW Annual energy consumption Qhe 2331 3329 kWh	РТО	o w	0 W
Supplementary Heater: Type of energy input Electricity Electricity Supplementary Heater: PSUP 0.10 kW 0.00 kW Annual energy consumption Qhe 2331 3329 kWh	PSB	12 W	12 W
Supplementary Heater: PSUP 0.10 kW 0.00 kW Annual energy consumption Qhe 2331 3329 kWh	PCK	o w	0 W
Backup Heater 0.00 kW Annual energy consumption Qhe 2331 3329 kWh	Supplementary Heater: Type of energy input	Electricity	Electricity
Annual energy consumption Qhe 2331 3329 kWh	Supplementary Heater: PSUP	0.10 kW	0.00 kW
	Backup Heater	0.00 kW	
	Annual energy consumption Qhe		3329 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}	205 %	140 %
Prated	6.00 kW	6.00 kW
SCOP	5.19	3.71
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	5.67 kW	6.22 kW
COP Tj = +2°C	4.51	2.87
Cdh Tj = +2 °C	0.99	0.99
Pdh Tj = +7°C	3.99 kW	3.86 kW
COP Tj = +7°C	5.16	3.43
Cdh Tj = +7 °C	0.98	0.99
Pdh Tj = 12°C	1.77 kW	1.78 kW
COP Tj = 12°C	5.32	4.10
Cdh Tj = +12 °C	0.96	0.97
Pdh Tj = Tbiv	5.67 kW	6.22 kW





COP Tj = Tbiv	4.51	2.87
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.67 kW	6.22 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	4.51	2.87
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	o w
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.33 kW	0.00 kW
Annual energy consumption Qhe	1544 kWh	2163 kWh

Colder Climate

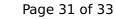
EN 12102-1			
	Low temperature	Medium temperature	
Sound power level indoor	40 dB(A)	40 dB(A)	

EN 14825		
	Low temperature	Medium temperature
η_{s}	205 %	148 %





This information was genera		
Prated	6.00 kW	6.00 kW
SCOP	5.32	3.89
Tbiv	-22 °C	-22 °C
TOL	-22 °C	-22 °C
Pdh Tj = -7° C	3.66 kW	3.71 kW
$COP Tj = -7^{\circ}C$	5.42	3.62
Cdh Tj = -7 °C	0.98	0.99
Pdh Tj = $+2$ °C	3.10 kW	2.24 kW
COP Tj = +2°C	5.33	4.01
Cdh Tj = +2 °C	0.96	0.99
Pdh Tj = $+7^{\circ}$ C	2.21 kW	1.70 kW
$COPTj = +7^{\circ}C$	5.93	4.94
Cdh Tj = $+7$ °C	0.95	0.99
Pdh Tj = 12°C	1.76 kW	1.72 kW
COP Tj = 12°C	5.95	5.20
Cdh Tj = +12 °C	0.95	0.99
Pdh Tj = Tbiv	6.08 kW	5.99 kW
COP Tj = Tbiv	4.46	2.87
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.08 kW	5.99 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	4.46	2.87
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.99	0.99
		





WTOL	65 °C	65 °C
Poff	o w	0 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	0.00 kW	0.00 kW
Annual energy consumption Qhe	2779 kWh	3801 kWh
Pdh Tj = -15°C (if TOL<-20°C)	4.92	4.92
COP Tj = -15°C (if TOL<-20°C)	4.91	3.22
Cdh Tj = -15 °C	0.99	0.99

Domestic Hot Water (DHW)

Average Climate

315 I



This information was generated by the HP KEYMARK database on 18 Mar 2022

EN 16147

Declared load profile XL

Efficiency ηDHW 127 %

COP 3.05

Heating up time 1:33 h:min

Standby power input 51.0 W

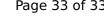
Reference hot water temperature 54.9 °C

Warmer Climate

Mixed water at 40°C

EN 16147		
Declared load profile	XL	
Efficiency ηDHW	127 %	
СОР	3.05	
Heating up time	1:33 h:min	
Standby power input	51.0 W	
Reference hot water temperature	54.9 °C	
Mixed water at 40°C	315	

Colder Climate





 $$\operatorname{\textit{Page}}\xspace$ 33 of 33 This information was generated by the HP KEYMARK database on 18 Mar 2022

EN 16147	
Declared load profile	XL
Efficiency ηDHW	127 %
СОР	3.05
Heating up time	1:33 h:min
Standby power input	51.0 W
Reference hot water temperature	54.9 °C
Mixed water at 40°C	315