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Summary of	Vitocal 100-S/111-S 8kW 230V	Reg. No.	011-1W0402	
Certificate Holder				
Name	Viessmann Wärmepumpen GmbH	Viessmann Wärmepumpen GmbH		
Address	Viessmannstr. 1	Zip	35107	
City	Allendorf/Eder	Country	Germany	
Certification Body	DIN CERTCO Gesellschaft für Konformit	DIN CERTCO Gesellschaft für Konformitätsbewertung mbH		
Subtype title	Vitocal 100-S/111-S 8kW 230V			
Heat Pump Type	Outdoor Air/Water	Outdoor Air/Water		
Refrigerant	R32			
Mass of Refrigerant	1.6 kg			
Certification Date	02.11.2020			
Testing basis	HP KEYMARK certification scheme rules rev. 7			



Model: Vitocal 100-S AWB-M 101.B08

Configure model			
Model name	Vitocal 100-S AWB-M 101.B08		
Application	Heating (medium temp)		
Units	Indoor + Outdoor		
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	8.13 kW	9.67 kW		
El input	1.74 kW	3.61 kW		
СОР	4.66	2.69		

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	41 dB(A)	41 dB(A)
Sound power level outdoor	64 dB(A)	64 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{s}	238 %	159 %
Prated	8.80 kW	8.40 kW
SCOP	6.03	4.06
Tbiv	2 °C	2 °C
TOL	-20 °C	-20 °C
Pdh Tj = +2°C	8.77 kW	8.37 kW
COP Tj = +2°C	3.40	2.28
Cdh Tj = +2 °C	0.99	0.99
Pdh Tj = $+7^{\circ}$ C	7.53 kW	6.67 kW
$COP Tj = +7^{\circ}C$	5.36	3.38
Cdh Tj = +7 °C	0.99	0.99
Pdh Tj = 12°C	5.90 kW	5.38 kW
COP Tj = 12°C	8.09	5.62
Cdh Tj = +12 °C	0.99	0.99



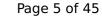


Pdh Tj = Tbiv	8.77 kW	8.37 kW
COP Tj = Tbiv	3.40	2.28
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	8.77 kW	8.37 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.40	2.28
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.99	0.99
WTOL	55 °C	55 °C
Poff	15 W	15 W
РТО	o w	o w
PSB	o w	o w
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	11720 kWh	11186 kWh

Colder Climate

EN 12102-1			
Low temperature Medium temperature			
Sound power level indoor	41 dB(A)	41 dB(A)	
Sound power level outdoor	64 dB(A)	64 dB(A)	

EN 14825





j 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Low temperature	Medium temperature
η_{S}	141 %	98 %
Prated	6.80 kW	6.10 kW
SCOP	3.60	2.53
Tbiv	-15 °C	-15 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7° C	4.69 kW	4.20 kW
$COP Tj = -7^{\circ}C$	2.97	2.09
Cdh Tj = -7 °C	0.99	0.99
Pdh Tj = $+2^{\circ}$ C	4.16 kW	3.65 kW
COP Tj = +2°C	4.61	3.18
Cdh Tj = +2 °C	0.99	0.99
Pdh Tj = $+7^{\circ}$ C	5.14 kW	4.78 kW
$COPTj = +7^{\circ}C$	6.68	5.03
Cdh Tj = +7 °C	0.99	0.99
Pdh Tj = 12°C	6.00 kW	5.75 kW
COP Tj = 12°C	8.83	7.30
Cdh Tj = +12 °C	0.99	0.99
Pdh Tj = Tbiv	5.52 kW	4.95 kW
COP Tj = Tbiv	2.13	1.47
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL $<$ Tdesignh	3.30 kW	1.06 kW
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COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	1.21	0.32
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.99	0.99
WTOL	55 °C	55 °C
Poff	15 W	15 W
РТО	o w	o w
PSB	o w	o w
PCK	0 W	o w
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	6.77 kW	6.07 kW
Annual energy consumption Qhe	16466 kWh	14650 kWh

EN 12102-1			
	Low temperature	Medium temperature	
Sound power level indoor	41 dB(A)	41 dB(A)	
Sound power level outdoor	64 dB(A)	64 dB(A)	

EN 14825			
		Low temperature	Medium temperature
Pdesignh	6.70 kW		
η_{s}	176 %	125 %	





6.40 kW	6.70 kW
4.46	3.20
-8 °C	-7 °C
-20 °C	-20 °C
6.24 kW	5.93 kW
2.74	1.95
0.99	0.99
4.25 kW	3.60 kW
4.25	2.90
0.99	0.99
5.09 kW	6.94 kW
6.19	4.93
0.99	0.99
5.96 kW	6.69 kW
8.88	7.34
0.99	0.99
5.91 kW	5.93 kW
2.63	1.95
4.99 kW	4.74 kW
2.19	1.56
	4.46 -8 °C -20 °C 6.24 kW 2.74 0.99 4.25 kW 4.25 0.99 5.09 kW 6.19 0.99 5.96 kW 8.88 0.99 5.91 kW 2.63 4.99 kW



Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.99	0.99
WTOL	55 °C	55 °C
Poff	15 W	15 W
РТО	o w	o w
PSB	0 W	0 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.41 kW	1.96 kW
Backup Heater	0.00 kW	
Annual energy consumption Qhe	13206 kWh	13788 kWh



Model: Vitocal 100-S AWB-M-E 101.B08

Configure model		
Model name	Vitocal 100-S AWB-M-E 101.B08	
Application	Heating (medium temp)	
Units	Indoor + Outdoor	
Climate Zone	Colder Climate + Warmer Climate	
Reversibility	No	
Cooling mode application (optional)	optional) n/a	

General Data		
Power supply	1x230V 50Hz	

Heating

EN 14511-2			
Low temperature Medium temperature			
Heat output	8.13 kW	9.67 kW	
El input	1.74 kW	3.61 kW	
СОР	4.66	2.69	

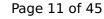
EN 14511-4		
Shutting off the heat transfer medium flow	passed	
Complete power supply failure	passed	
Defrost test	passed	
Starting and operating test	passed	

Warmer Climate



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	41 dB(A)	41 dB(A)
Sound power level outdoor	64 dB(A)	64 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{s}	238 %	159 %
Prated	8.80 kW	8.40 kW
SCOP	6.03	4.06
Tbiv	2 °C	2 °C
TOL	-20 °C	-20 °C
Pdh Tj = +2°C	8.77 kW	8.37 kW
COP Tj = +2°C	3.40	2.28
Cdh Tj = +2 °C	0.99	0.99
Pdh Tj = $+7^{\circ}$ C	7.53 kW	6.67 kW
$COP Tj = +7^{\circ}C$	5.36	3.38
Cdh Tj = +7 °C	0.99	0.99
Pdh Tj = 12°C	5.90 kW	5.38 kW
COP Tj = 12°C	8.09	5.62
Cdh Tj = +12 °C	0.99	0.99



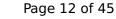


<u> </u>	
8.77 kW	8.37 kW
3.40	2.28
8.77 kW	8.37 kW
3.40	2.28
0.99	0.99
55 °C	55 °C
15 W	15 W
o w	0 W
o w	o w
o w	o w
Electricity	Electricity
0.00 kW	0.00 kW
11720 kWh	11186 kWh
	3.40 8.77 kW 3.40 0.99 55 °C 15 W 0 W 0 W Electricity 0.00 kW

Colder Climate

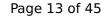
EN 12102-1			
	Low temperature	Medium temperature	
Sound power level indoor	41 dB(A)	41 dB(A)	
Sound power level outdoor	64 dB(A)	64 dB(A)	

EN 14825





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Prated	6.80 kW	6.10 kW
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Tbiv	-15 °C	-15 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7° C	4.69 kW	4.20 kW
$COP Tj = -7^{\circ}C$	2.97	2.09
Cdh Tj = -7 °C	0.99	0.99
Pdh Tj = $+2^{\circ}$ C	4.16 kW	3.65 kW
COP Tj = +2°C	4.61	3.18
Cdh Tj = +2 °C	0.99	0.99
Pdh Tj = $+7^{\circ}$ C	5.14 kW	4.78 kW
$COPTj = +7^{\circ}C$	6.68	5.03
Cdh Tj = +7 °C	0.99	0.99
Pdh Tj = 12°C	6.00 kW	5.75 kW
COP Tj = 12°C	8.83	7.30
Cdh Tj = +12 °C	0.99	0.99
Pdh Tj = Tbiv	5.52 kW	4.95 kW
COP Tj = Tbiv	2.13	1.47
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL $<$ Tdesignh	3.30 kW	1.06 kW
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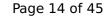




COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	1.21	0.32
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.99	0.99
WTOL	55 °C	55 °C
Poff	15 W	15 W
РТО	o w	0 W
PSB	o w	0 W
PCK	o w	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	6.77 kW	6.07 kW
Annual energy consumption Qhe	16466 kWh	14650 kWh

EN 12102-1			
	Low temperature	Medium temperature	
Sound power level indoor	41 dB(A)	41 dB(A)	
Sound power level outdoor	64 dB(A)	64 dB(A)	

EN 14825			
		Low temperature	Medium temperature
Pdesignh	6.70 kW		
η_{s}	176 %	125 %	





Prated	6.40 kW	6.70 kW
SCOP	4.46	3.20
Tbiv	-8 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	6.24 kW	5.93 kW
COP Tj = -7°C	2.74	1.95
Cdh Tj = -7 °C	0.99	0.99
Pdh Tj = +2°C	4.25 kW	3.60 kW
COP Tj = +2°C	4.25	2.90
Cdh Tj = +2 °C	0.99	0.99
Pdh Tj = +7°C	5.09 kW	6.94 kW
$COP Tj = +7^{\circ}C$	6.19	4.93
Cdh Tj = +7 °C	0.99	0.99
Pdh Tj = 12°C	5.96 kW	6.69 kW
COP Tj = 12°C	8.88	7.34
Cdh Tj = +12 °C	0.99	0.99
Pdh Tj = Tbiv	5.91 kW	5.93 kW
COP Tj = Tbiv	2.63	1.95
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	4.99 kW	4.74 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.19	1.56



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Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.99	0.99
WTOL	55 °C	55 °C
Poff	15 W	15 W
РТО	o w	o w
PSB	o w	o w
PCK	o w	o w
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.41 kW	1.96 kW
Backup Heater	0.00 kW	
Annual energy consumption Qhe	13206 kWh	13788 kWh



Model: Vitocal 100-S AWB-M-E-AC 101.B08

Configure model			
Model name	Vitocal 100-S AWB-M-E-AC 101.B08		
Application	Heating (medium temp)		
Units	Indoor + Outdoor		
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	8.13 kW	9.67 kW		
El input	1.74 kW	3.61 kW		
СОР	4.66	2.69		

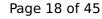
EN 14511-4		
Shutting off the heat transfer medium flow	passed	
Complete power supply failure	passed	
Defrost test	passed	
Starting and operating test	passed	

Warmer Climate



EN 12102-1			
	Low temperature	Medium temperature	
Sound power level indoor	41 dB(A)	41 dB(A)	
Sound power level outdoor	64 dB(A)	64 dB(A)	

EN 14825			
	Low temperature	Medium temperature	
η_{s}	238 %	159 %	
Prated	8.80 kW	8.40 kW	
SCOP	6.03	4.06	
Tbiv	2 °C	2 °C	
TOL	-20 °C	-20 °C	
Pdh Tj = +2°C	8.77 kW	8.37 kW	
COP Tj = +2°C	3.40	2.28	
Cdh Tj = +2 °C	0.99	0.99	
Pdh Tj = $+7^{\circ}$ C	7.53 kW	6.67 kW	
$COP Tj = +7^{\circ}C$	5.36	3.38	
Cdh Tj = +7 °C	0.99	0.99	
Pdh Tj = 12°C	5.90 kW	5.38 kW	
COP Tj = 12°C	8.09	5.62	
Cdh Tj = +12 °C	0.99	0.99	



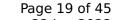


Pdh Tj = Tbiv	8.77 kW	8.37 kW
COP Tj = Tbiv	3.40	2.28
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	8.77 kW	8.37 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.40	2.28
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.99	0.99
WTOL	55 °C	55 °C
Poff	15 W	15 W
РТО	0 W	0 W
PSB	o w	o w
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	11720 kWh	11186 kWh

Colder Climate

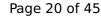
EN 12102-1			
	Low temperature	Medium temperature	
Sound power level indoor	41 dB(A)	41 dB(A)	
Sound power level outdoor	64 dB(A)	64 dB(A)	

EN 14825





j 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Low temperature	Medium temperature
η_{S}	141 %	98 %
Prated	6.80 kW	6.10 kW
SCOP	3.60	2.53
Tbiv	-15 °C	-15 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7° C	4.69 kW	4.20 kW
$COP Tj = -7^{\circ}C$	2.97	2.09
Cdh Tj = -7 °C	0.99	0.99
Pdh Tj = $+2^{\circ}$ C	4.16 kW	3.65 kW
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Cdh Tj = +7 °C	0.99	0.99
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Cdh Tj = +12 °C	0.99	0.99
Pdh Tj = Tbiv	5.52 kW	4.95 kW
COP Tj = Tbiv	2.13	1.47
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL $<$ Tdesignh	3.30 kW	1.06 kW
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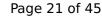




COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	1.21	0.32
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.99	0.99
WTOL	55 °C	55 °C
Poff	15 W	15 W
РТО	o w	0 W
PSB	o w	0 W
PCK	o w	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	6.77 kW	6.07 kW
Annual energy consumption Qhe	16466 kWh	14650 kWh

EN 12102-1			
	Low temperature	Medium temperature	
Sound power level indoor	41 dB(A)	41 dB(A)	
Sound power level outdoor	64 dB(A)	64 dB(A)	

EN 14825			
		Low temperature	Medium temperature
Pdesignh	6.70 kW		
η_{s}	176 %	125 %	





6.40 kW	6.70 kW
4.46	3.20
-8 °C	-7 °C
-20 °C	-20 °C
6.24 kW	5.93 kW
2.74	1.95
0.99	0.99
4.25 kW	3.60 kW
4.25	2.90
0.99	0.99
5.09 kW	6.94 kW
6.19	4.93
0.99	0.99
5.96 kW	6.69 kW
8.88	7.34
0.99	0.99
5.91 kW	5.93 kW
2.63	1.95
4.99 kW	4.74 kW
2.19	1.56
	4.46 -8 °C -20 °C 6.24 kW 2.74 0.99 4.25 kW 4.25 0.99 5.09 kW 6.19 0.99 5.96 kW 8.88 0.99 5.91 kW 2.63 4.99 kW



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Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.99	0.99
WTOL	55 °C	55 °C
Poff	15 W	15 W
РТО	o w	o w
PSB	o w	o w
PCK	o w	o w
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.41 kW	1.96 kW
Backup Heater	0.00 kW	
Annual energy consumption Qhe	13206 kWh	13788 kWh



Model: Vitocal 100-S AWB-M-E-AC 101.B08 F

Configure model		
Model name Vitocal 100-S AWB-M-E-AC 101.B08 F		
Application	Heating (medium temp)	
Jnits Indoor + Outdoor		
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	8.13 kW	9.67 kW	
El input	1.74 kW	3.61 kW	
СОР	4.66	2.69	

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	41 dB(A)	41 dB(A)	
Sound power level outdoor	64 dB(A)	64 dB(A)	

EN 14825		
	Low temperature	Medium temperature
η_{s}	238 %	159 %
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SCOP	6.03	4.06
Tbiv	2 °C	2 °C
TOL	-20 °C	-20 °C
Pdh Tj = $+2$ °C	8.77 kW	8.37 kW
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Pdh Tj = 12°C	5.90 kW	5.38 kW
COP Tj = 12°C	8.09	5.62
Cdh Tj = +12 °C	0.99	0.99



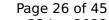


Pdh Tj = Tbiv	8.77 kW	8.37 kW
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Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	8.77 kW	8.37 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.40	2.28
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.99	0.99
WTOL	55 °C	55 °C
Poff	15 W	15 W
РТО	0 W	0 W
PSB	o w	o 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	11720 kWh	11186 kWh

Colder Climate

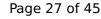
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	Low temperature	Medium temperature	
Sound power level indoor	41 dB(A)	41 dB(A)	
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EN 14825





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Tbiv	-15 °C	-15 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7° C	4.69 kW	4.20 kW
$COP Tj = -7^{\circ}C$	2.97	2.09
Cdh Tj = -7 °C	0.99	0.99
Pdh Tj = $+2^{\circ}$ C	4.16 kW	3.65 kW
COP Tj = +2°C	4.61	3.18
Cdh Tj = +2 °C	0.99	0.99
Pdh Tj = $+7^{\circ}$ C	5.14 kW	4.78 kW
$COPTj = +7^{\circ}C$	6.68	5.03
Cdh Tj = +7 °C	0.99	0.99
Pdh Tj = 12°C	6.00 kW	5.75 kW
COP Tj = 12°C	8.83	7.30
Cdh Tj = +12 °C	0.99	0.99
Pdh Tj = Tbiv	5.52 kW	4.95 kW
COP Tj = Tbiv	2.13	1.47
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL $<$ Tdesignh	3.30 kW	1.06 kW
	I	





COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	1.21	0.32
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.99	0.99
WTOL	55 °C	55 °C
Poff	15 W	15 W
PTO	o w	0 W
PSB	o w	0 W
PCK	o w	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	6.77 kW	6.07 kW
Annual energy consumption Qhe	16466 kWh	14650 kWh

EN 12102-1			
	Low temperature	Medium temperature	
Sound power level indoor	41 dB(A)	41 dB(A)	
Sound power level outdoor	64 dB(A)	64 dB(A)	

EN 14825			
		Low temperature	Medium temperature
Pdesignh	6.70 kW		-
η_{s}	176 %	125 %	





This information was	9	,
Prated	6.40 kW	6.70 kW
SCOP	4.46	3.20
Tbiv	-8 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	6.24 kW	5.93 kW
COP Tj = -7°C	2.74	1.95
Cdh Tj = -7 °C	0.99	0.99
Pdh Tj = +2°C	4.25 kW	3.60 kW
COP Tj = +2°C	4.25	2.90
Cdh Tj = +2 °C	0.99	0.99
Pdh Tj = +7°C	5.09 kW	6.94 kW
COP Tj = +7°C	6.19	4.93
Cdh Tj = +7 °C	0.99	0.99
Pdh Tj = 12°C	5.96 kW	6.69 kW
COP Tj = 12°C	8.88	7.34
Cdh Tj = +12 °C	0.99	0.99
Pdh Tj = Tbiv	5.91 kW	5.93 kW
COP Tj = Tbiv	2.63	1.95
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	4.99 kW	4.74 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.19	1.56



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Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.99	0.99
WTOL	55 °C	55 °C
Poff	15 W	15 W
РТО	o w	0 W
PSB	o w	o w
PCK	o w	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.41 kW	1.96 kW
Backup Heater	0.00 kW	
Annual energy consumption Qhe	13206 kWh	13788 kWh

Model: Vitocal 111-S AWBT-M-AC 111.B08

Configure model		
Model name	Vitocal 111-S AWBT-M-AC 111.B08	
Application	Heating + DHW + low temp	
Units	Indoor + Outdoor	
Climate Zone	n/a	
Reversibility	No	
Cooling mode application (optional)	n/a	

General Data		
Power supply	1x230V 50Hz	

Heating

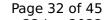
EN 14511-2			
	Low temperature	Medium temperature	
Heat output	8.13 kW	9.67 kW	
El input	1.74 kW	3.61 kW	
СОР	4.66	2.69	

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



	EN 12102-1	
	Low temperature	Medium temperature
Sound power level indoor	41 dB(A)	41 dB(A)
Sound power level outdoor	64 dB(A)	64 dB(A)

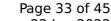
	EN 14825		
		Low temperature	Medium temperature
Pdesignh	6.70 kW		!
η_{s}	176 %	125 %	
Prated	6.40 kW	6.70 kW	
SCOP	4.46	3.20	
Tbiv	-8 °C	-7 °C	
TOL	-20 °C	-20 °C	
Pdh Tj = -7°C	6.24 kW	5.93 kW	
COP Tj = -7°C	2.74	1.95	
Cdh Tj = -7 °C	0.99	0.99	
Pdh Tj = $+2$ °C	4.25 kW	3.60 kW	
COP Tj = +2°C	4.25	2.90	
Cdh Tj = +2 °C	0.99	0.99	
Pdh Tj = $+7^{\circ}$ C	5.09 kW	6.94 kW	
$COP Tj = +7^{\circ}C$	6.19	4.93	





	-	-
Cdh Tj = +7 °C	0.99	0.99
Pdh Tj = 12°C	5.96 kW	6.69 kW
COP Tj = 12°C	8.88	7.34
Cdh Tj = +12 °C	0.99	0.99
Pdh Tj = Tbiv	5.91 kW	5.93 kW
COP Tj = Tbiv	2.63	1.95
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	4.99 kW	4.74 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.19	1.56
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.99	0.99
WTOL	55 °C	55 °C
Poff	15 W	15 W
РТО	o w	o w
PSB	o w	o w
PCK	0 W	o w
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.41 kW	1.96 kW
Backup Heater	0.00 kW	
Annual energy consumption Qhe	13206 kWh	13788 kWh
	_	

Domestic Hot Water (DHW)





EN 16147	
Declared load profile	XL
Efficiency ηDHW	125 %
СОР	2.97
Heating up time	1:22 h:min
Standby power input	26.0 W
Reference hot water temperature	23.1 °C
Mixed water at 40°C	291



Model: Vitocal 111-S AWBT-M-E 111.B08

Configure model	
Model name	Vitocal 111-S AWBT-M-E 111.B08
Application	Heating + DHW + low temp
Units	Indoor + Outdoor
Climate Zone	n/a
Reversibility	No
Cooling mode application (optional)	n/a

General Data		
Power supply	1x230V 50Hz	

Heating

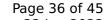
	EN 14511-2	
	Low temperature	Medium temperature
Heat output	8.13 kW	9.67 kW
El input	1.74 kW	3.61 kW
СОР	4.66	2.69

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



	EN 12102-1	
	Low temperature	Medium temperature
Sound power level indoor	41 dB(A)	41 dB(A)
Sound power level outdoor	64 dB(A)	64 dB(A)

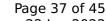
	EN 14825		
		Low temperature	Medium temperature
Pdesignh	6.70 kW		!
η_{s}	176 %	125 %	
Prated	6.40 kW	6.70 kW	
SCOP	4.46	3.20	
Tbiv	-8 °C	-7 °C	
TOL	-20 °C	-20 °C	
Pdh Tj = -7°C	6.24 kW	5.93 kW	
COP Tj = -7°C	2.74	1.95	
Cdh Tj = -7 °C	0.99	0.99	
Pdh Tj = $+2$ °C	4.25 kW	3.60 kW	
COP Tj = +2°C	4.25	2.90	
Cdh Tj = +2 °C	0.99	0.99	
Pdh Tj = $+7^{\circ}$ C	5.09 kW	6.94 kW	
$COP Tj = +7^{\circ}C$	6.19	4.93	





	-	-
Cdh Tj = +7 °C	0.99	0.99
Pdh Tj = 12°C	5.96 kW	6.69 kW
COP Tj = 12°C	8.88	7.34
Cdh Tj = +12 °C	0.99	0.99
Pdh Tj = Tbiv	5.91 kW	5.93 kW
COP Tj = Tbiv	2.63	1.95
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	4.99 kW	4.74 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.19	1.56
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.99	0.99
WTOL	55 °C	55 °C
Poff	15 W	15 W
РТО	o w	o w
PSB	o w	o w
PCK	0 W	o w
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.41 kW	1.96 kW
Backup Heater	0.00 kW	
Annual energy consumption Qhe	13206 kWh	13788 kWh
	_	

Domestic Hot Water (DHW)





EN 16147		
Declared load profile	XL	
Efficiency ηDHW	125 %	
СОР	2.97	
Heating up time	1:22 h:min	
Standby power input	26.0 W	
Reference hot water temperature	23.1 °C	
Mixed water at 40°C	291	



Model: Vitocal 111-S AWBT-M-E-AC 111.B08

Configure model		
Model name Vitocal 111-S AWBT-M-E-AC 111.B08		
Application	Heating + DHW + low temp	
Units	Indoor + Outdoor	
Climate Zone	n/a	
Reversibility	No	
Cooling mode application (optional)	n/a	

General Data			
Power supply 1x230V 50Hz			

Heating

EN 14511-2			
Low temperature Medium temperature			
Heat output	8.13 kW	9.67 kW	
El input	1.74 kW	3.61 kW	
СОР	4.66	2.69	

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



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	41 dB(A)	41 dB(A)
Sound power level outdoor	64 dB(A)	64 dB(A)

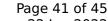
EN 14825			
		Low temperature	Medium temperature
Pdesignh	6.70 kW		
η_{s}	176 %	125 %	
Prated	6.40 kW	6.70 kW	
SCOP	4.46	3.20	
Tbiv	-8 °C	-7 °C	
TOL	-20 °C	-20 °C	
Pdh Tj = -7°C	6.24 kW	5.93 kW	
COP Tj = -7°C	2.74	1.95	
Cdh Tj = -7 °C	0.99	0.99	
Pdh Tj = $+2$ °C	4.25 kW	3.60 kW	
COP Tj = +2°C	4.25	2.90	
Cdh Tj = +2 °C	0.99	0.99	
Pdh Tj = +7°C	5.09 kW	6.94 kW	
$COP Tj = +7^{\circ}C$	6.19	4.93	





Cdh Tj = +7 °C	0.99	0.99
Pdh Tj = 12°C	5.96 kW	6.69 kW
COP Tj = 12°C	8.88	7.34
Cdh Tj = +12 °C	0.99	0.99
Pdh Tj = Tbiv	5.91 kW	5.93 kW
COP Tj = Tbiv	2.63	1.95
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	4.99 kW	4.74 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.19	1.56
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.99	0.99
WTOL	55 °C	55 °C
Poff	15 W	15 W
РТО	0 W	o w
PSB	o w	o w
PCK	o w	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.41 kW	1.96 kW
Backup Heater	0.00 kW	
Annual energy consumption Qhe	13206 kWh	13788 kWh

Domestic Hot Water (DHW)





EN 16147		
Declared load profile	XL	
Efficiency ηDHW	125 %	
СОР	2.97	
Heating up time	1:22 h:min	
Standby power input	26.0 W	
Reference hot water temperature	23.1 °C	
Mixed water at 40°C	291	



Model: Vitocal 111-S AWBT-M-E-AC 111.B08 F

Configure model		
Model name Vitocal 111-S AWBT-M-E-AC 111.B08 F		
Application	Heating + DHW + low temp	
Units	Indoor + Outdoor	
Climate Zone	n/a	
Reversibility	No	
Cooling mode application (optional)	n/a	

General Data			
Power supply 1x230V 50Hz			

Heating

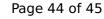
EN 14511-2			
Low temperature Medium temperature			
Heat output	8.13 kW	9.67 kW	
El input	1.74 kW	3.61 kW	
СОР	4.66	2.69	

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



EN 12102-1					
	Low temperature	Medium temperature			
Sound power level indoor	41 dB(A)	41 dB(A)			
Sound power level outdoor	64 dB(A)	64 dB(A)			

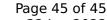
EN 14825				
		Low temperature	Medium temperature	
Pdesignh	6.70 kW			
η _s	176 %	125 %		
Prated	6.40 kW	6.70 kW		
SCOP	4.46	3.20		
Tbiv	-8 °C	-7 °C		
TOL	-20 °C	-20 °C		
Pdh Tj = -7°C	6.24 kW	5.93 kW		
COP Tj = -7°C	2.74	1.95		
Cdh Tj = -7 °C	0.99	0.99		
Pdh Tj = +2°C	4.25 kW	3.60 kW		
COP Tj = +2°C	4.25	2.90		
Cdh Tj = +2 °C	0.99	0.99		
Pdh Tj = +7°C	5.09 kW	6.94 kW		
$COP Tj = +7^{\circ}C$	6.19	4.93		





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Cdh Tj = +7 °C	0.99	0.99
Pdh Tj = 12°C	5.96 kW	6.69 kW
COP Tj = 12°C	8.88	7.34
Cdh Tj = +12 °C	0.99	0.99
Pdh Tj = Tbiv	5.91 kW	5.93 kW
COP Tj = Tbiv	2.63	1.95
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	4.99 kW	4.74 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.19	1.56
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.99	0.99
WTOL	55 °C	55 °C
Poff	15 W	15 W
PTO	o w	o w
PSB	o w	0 W
PCK	o w	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.41 kW	1.96 kW
Backup Heater	0.00 kW	
Annual energy consumption Qhe	13206 kWh	13788 kWh

Domestic Hot Water (DHW)





EN 16147				
Declared load profile	XL			
Efficiency ηDHW	125 %			
СОР	2.97			
Heating up time	1:22 h:min			
Standby power input	26.0 W			
Reference hot water temperature	23.1 °C			
Mixed water at 40°C	291 I			