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Login

Summary of	Bosch Compress 3000 AWS-11/13/15	Reg. No.	011-1W0136	
Certificate Holder				
Name	Bosch Thermotechnik GmbH	Bosch Thermotechnik GmbH		
Address	Junkersstraße 20 - 24	Zip	73249	
City	Wernau	Country	Germany	
Certification Body	DIN CERTCO Gesellschaft für Konformitätsbewertung mbH			
Subtype title	Bosch Compress 3000 AWS-11/13/15			
Heat Pump Type	Outdoor Air/Water			
Refrigerant	R410A			
Mass of Refrigerant	2.3 kg			
Certification Date	26.09.2017			



Model: Bosch Compress 3000 AWS-11 E-S

Configure model		
Model name	Bosch Compress 3000 AWS-11 E-S	
Application	Heating (medium temp)	
Units	Indoor + Outdoor	
Climate Zone	Colder Climate + Warmer Climate	
Reversibility	Yes	
Cooling mode application (optional)	n/a	

General Data		
Power supply	3x400V 50Hz	

Heating

EN 14511-2			
Low temperature Medium temperature			
Heat output	6.48 kW	13.57 kW	
El input	1.32 kW	5.75 kW	
СОР	4.92	2.36	

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	67 dB(A)	67 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{s}	203 %	158 %
Prated	11.86 kW	10.35 kW
SCOP	5.15	4.04
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	11.86 kW	10.35 kW
COP Tj = +2°C	3.45	1.97
Cdh Tj = +2 °C	0.998	0.999
Pdh Tj = $+7^{\circ}$ C	7.64 kW	6.64 kW
$COP Tj = +7^{\circ}C$	4.84	3.68
Cdh Tj = +7 °C	0.996	0.996
Pdh Tj = 12°C	7.25 kW	6.93 kW
COP Tj = 12°C	5.90	5.01
Cdh Tj = +12 °C	0.994	0.995

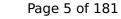




Pdh Tj = Tbiv	11.86 kW	10.35 kW
COP Tj = Tbiv	3.45	1.97
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	11.86 kW	10.35 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.45	1.97
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.998	0.999
WTOL	57 °C	57 °C
Poff	7 W	7 W
PTO	7 W	7 W
PSB	7 W	7 W
PCK	35 W	35 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	3079 kWh	3425 kWh

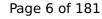
Colder Climate

EN 12102-1			
Low temperature Medium temperature			
Sound power level indoor	41 dB(A)	41 dB(A)	
Sound power level outdoor	67 dB(A)	67 dB(A)	





	Low temperature	Medium temperature
η_{s}	137 %	120 %
Prated	12.00 kW	11.00 kW
SCOP	3.49	3.08
Tbiv	-15 °C	-15 °C
TOL	-15 °C	-15 °C
Pdh Tj = -7° C	7.31 kW	6.68 kW
$COP Tj = -7^{\circ}C$	3.17	2.70
Cdh Tj = -7 °C	0.997	0.997
Pdh Tj = $+2$ °C	5.94 kW	5.59 kW
$COP Tj = +2^{\circ}C$	4.65	4.05
Cdh Tj = +2 °C	0.995	0.995
Pdh Tj = $+7^{\circ}$ C	6.56 kW	6.28 kW
$COP Tj = +7^{\circ}C$	5.30	4.72
Cdh Tj = +7 °C	0.994	0.995
Pdh Tj = 12°C	7.27 kW	7.06 kW
COP Tj = 12°C	5.92	5.38
Cdh Tj = +12 °C	0.994	0.995
Pdh Tj = Tbiv	10.72 kW	9.48 kW
COP Tj = Tbiv	2.15	1.85
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	10.72 kW	9.48 kW





2.15	1.85
0.999	0.999
57 °C	57 °C
7 W	7 W
7 W	7 W
7 W	7 W
35 W	35 W
Electricity	Electricity
12.00 kW	11.00 kW
8480 kWh	8790 kWh
10.72	9.48
2.15	1.85
0.999	0.999
	0.999 57 °C 7 W 7 W 7 W 35 W Electricity 12.00 kW 8480 kWh 10.72 2.15

Average Climate

EN 12102-1			
Low temperature Medium temperature			
Sound power level indoor	41 dB(A)	41 dB(A)	
Sound power level outdoor	67 dB(A)	67 dB(A)	





	Low temperature	Medium temperature
η_{s}	176 %	128 %
Prated	11.02 kW	9.35 kW
SCOP	4.48	3.28
Гріу	-10 °C	-9 °C
ГОL	-10 °C	-9 °C
Pdh Tj = -7°C	9.94 kW	8.39 kW
COP Tj = -7°C	2.81	2.01
Cdh Tj = -7 °C	0.998	0.998
Pdh Tj = +2°C	5.94 kW	5.03 kW
COP Tj = +2°C	4.61	3.21
Cdh Tj = +2 °C	0.995	0.996
Pdh Tj = +7°C	6.73 kW	6.55 kW
$COP Tj = +7^{\circ}C$	5.55	4.43
Cdh Tj = +7 °C	0.994	0.995
Pdh Tj = 12°C	7.11 kW	7.26 kW
COP Tj = 12°C	5.70	5.11
Cdh Tj = +12 °C	0.994	0.995
Pdh Tj = Tbiv	11.02 kW	9.35 kW
COP Tj = Tbiv	2.49	1.65
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	11.02 kW	9.35 kW



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COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.49	1.65
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.998	0.999
WTOL	57 °C	57 °C
Poff	7 W	7 W
РТО	7 W	7 W
PSB	7 W	7 W
PCK	35 W	35 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	9.35 kW
Annual energy consumption Qhe	5084 kWh	5889 kWh



Model: Bosch Compress 3000 AWS-11 B-S

Configure model		
Model name	Bosch Compress 3000 AWS-11 B-S	
Application	Heating (medium temp)	
Units	Indoor + Outdoor	
Climate Zone	Colder Climate + Warmer Climate	
Reversibility	Yes	
Cooling mode application (optional)	n/a	

General Data		
Power supply 1x230V 50Hz		

Heating

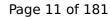
EN 14511-2		
	Low temperature	Medium temperature
Heat output	6.48 kW	13.57 kW
El input	1.32 kW	5.75 kW
СОР	4.92	2.36

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	67 dB(A)	67 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{s}	203 %	158 %
Prated	11.86 kW	10.35 kW
SCOP	5.15	4.04
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	11.86 kW	10.35 kW
COP Tj = +2°C	3.45	1.97
Cdh Tj = +2 °C	0.998	0.999
Pdh Tj = +7°C	7.64 kW	6.64 kW
COP Tj = +7°C	4.84	3.68
Cdh Tj = +7 °C	0.996	0.996
Pdh Tj = 12°C	7.25 kW	6.93 kW
COP Tj = 12°C	5.90	5.01
Cdh Tj = +12 °C	0.994	0.995





Pdh Tj = Tbiv	11.86 kW	10.35 kW
COP Tj = Tbiv	3.45	1.97
COP IJ = IDIV	5.45	1.97
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	11.86 kW	10.35 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.45	1.97
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.998	0.999
WTOL	57 °C	57 °C
D-#	7.10	7.14
Poff	7 W	7 W
РТО	7 W	7 W
PSB	7 W	7 W
PCK	35 W	35 W
Supplementary Heater: Type of energy input	n/a	
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	3079 kWh	3425 kWh

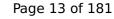
Colder Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	41 dB(A)	41 dB(A)
Sound power level outdoor	67 dB(A)	67 dB(A)



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	Low temperature	Medium temperature
η_{s}	137 %	120 %
Prated	12.00 kW	11.00 kW
SCOP	3.49	3.08
Tbiv	-15 °C	-15 °C
TOL	-15 °C	-15 °C
Pdh Tj = -7° C	7.31 kW	6.68 kW
$COP Tj = -7^{\circ}C$	3.17	2.70
Cdh Tj = -7 °C	0.997	0.997
Pdh Tj = $+2$ °C	5.94 kW	5.59 kW
$COP Tj = +2^{\circ}C$	4.65	4.05
Cdh Tj = +2 °C	0.995	0.995
Pdh Tj = $+7^{\circ}$ C	6.56 kW	6.28 kW
$COP Tj = +7^{\circ}C$	5.30	4.72
Cdh Tj = +7 °C	0.994	0.995
Pdh Tj = 12°C	7.27 kW	7.06 kW
COP Tj = 12°C	5.92	5.38
Cdh Tj = +12 °C	0.994	0.995
Pdh Tj = Tbiv	10.72 kW	9.48 kW
COP Tj = Tbiv	2.15	1.85
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	10.72 kW	9.48 kW





2.15	1.85
0.999	0.999
57 °C	57 °C
7 W	7 W
7 W	7 W
7 W	7 W
35 W	35 W
n/a	
0.00 kW	0.00 kW
8480 kWh	8790 kWh
10.72	9.48
2.15	1.85
0.999	0.999
	0.999 57 °C 7 W 7 W 7 W 35 W n/a 0.00 kW 8480 kWh 10.72 2.15

Average Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	41 dB(A)	41 dB(A)
Sound power level outdoor	67 dB(A)	67 dB(A)



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	Low temperature	Medium temperature
η_{S}	176 %	128 %
Prated	11.02 kW	9.35 kW
SCOP	4.48	3.28
Tbiv	-10 °C	-9 °C
TOL	-10 °C	-9 °C
Pdh Tj = -7 °C	9.94 kW	8.39 kW
COP Tj = -7° C	2.81	2.01
Cdh Tj = -7 °C	0.998	0.998
Pdh Tj = $+2$ °C	5.94 kW	5.03 kW
$COP Tj = +2^{\circ}C$	4.61	3.21
Cdh Tj = $+2$ °C	0.995	0.996
Pdh Tj = $+7$ °C	6.73 kW	6.55 kW
$COP Tj = +7^{\circ}C$	5.55	4.43
Cdh Tj = $+7$ °C	0.994	0.995
Pdh Tj = 12°C	7.11 kW	7.26 kW
COP Tj = 12°C	5.70	5.11
Cdh Tj = +12 °C	0.994	0.995
Pdh Tj = Tbiv	11.02 kW	9.35 kW
COP Tj = Tbiv	2.49	1.65
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	11.02 kW	9.35 kW



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COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.49	1.65
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.998	0.999
WTOL	57 °C	57 °C
Poff	7 W	7 W
РТО	7 W	7 W
PSB	7 W	7 W
PCK	35 W	35 W
Supplementary Heater: Type of energy input	n/a	
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	5084 kWh	5889 kWh

Model: Bosch Compress 3000 AWS-11 M-S

Configure model		
Model name	Bosch Compress 3000 AWS-11 M-S	
Application	Heating + DHW + low temp	
Units	Indoor + Outdoor	
Climate Zone	Colder Climate + Warmer Climate	
Reversibility	Yes	
Cooling mode application (optional)	n/a	

	General Data	
Power supply	3x400V 50Hz	

Heating

EN 14511-2			
Low temperature Medium temperature			
Heat output	6.48 kW	13.57 kW	
El input	1.32 kW	5.75 kW	
СОР	4.92	2.36	

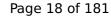
EN 14511-4		
Shutting off the heat transfer medium flow	passed	
Complete power supply failure	passed	
Defrost test	passed	
Starting and operating test	passed	



EN 12102-1			
Low temperature Medium temperature			
Sound power level indoor	35 dB(A)	35 dB(A)	
Sound power level outdoor	67 dB(A)	67 dB(A)	

F	N	1	4	8	2	5

	Low temperature	Medium temperature
η_{s}	203 %	158 %
Prated	11.86 kW	10.35 kW
SCOP	5.15	4.04
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	11.86 kW	10.35 kW
COP Tj = +2°C	3.45	1.97
Cdh Tj = +2 °C	0.998	0.999
Pdh Tj = +7°C	7.64 kW	6.64 kW
COP Tj = +7°C	4.84	3.68
Cdh Tj = +7 °C	0.996	0.996
Pdh Tj = 12°C	7.25 kW	6.93 kW
COP Tj = 12°C	5.90	5.01
Cdh Tj = +12 °C	0.994	0.995





<u> </u>	
11.86 kW	10.35 kW
3.45	1.97
11.86 kW	10.35 kW
3.45	1.97
0.998	0.999
57 °C	57 °C
7 W	7 W
7 W	7 W
7 W	7 W
35 W	35 W
Electricity	Electricity
0.00 kW	0.00 kW
3079 kWh	3425 kWh
	3.45 11.86 kW 3.45 0.998 57 °C 7 W 7 W 7 W 35 W Electricity 0.00 kW

Colder Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	35 dB(A)	35 dB(A)
Sound power level outdoor	67 dB(A)	67 dB(A)



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	Low temperature	Medium temperature
η_{s}	137 %	120 %
Prated	12.00 kW	11.00 kW
SCOP	3.49	3.08
Tbiv	-15 °C	-15 °C
TOL	-15 °C	-15 °C
Pdh Tj = -7° C	7.31 kW	6.68 kW
$COP Tj = -7^{\circ}C$	3.17	2.70
Cdh Tj = -7 °C	0.997	0.997
Pdh Tj = $+2$ °C	5.94 kW	5.59 kW
$COP Tj = +2^{\circ}C$	4.65	4.05
Cdh Tj = +2 °C	0.995	0.995
Pdh Tj = $+7^{\circ}$ C	6.56 kW	6.28 kW
$COP Tj = +7^{\circ}C$	5.30	4.72
Cdh Tj = +7 °C	0.994	0.995
Pdh Tj = 12°C	7.27 kW	7.06 kW
COP Tj = 12°C	5.92	5.38
Cdh Tj = +12 °C	0.994	0.995
Pdh Tj = Tbiv	10.72 kW	9.48 kW
COP Tj = Tbiv	2.15	1.85
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	10.72 kW	9.48 kW





2.15	
2.13	1.85
0.999	0.999
57 °C	57 °C
7 W	7 W
7 W	7 W
7 W	7 W
35 W	35 W
Electricity	Electricity
12.00 kW	11.00 kW
8480 kWh	8790 kWh
10.72	1.85
2.15	1.85
0.999	0.999
	0.999 57 °C 7 W 7 W 7 W 35 W Electricity 12.00 kW 8480 kWh 10.72 2.15

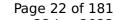
Average Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	35 dB(A)	35 dB(A)
Sound power level outdoor	67 dB(A)	67 dB(A)



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	Low temperature	Medium temperature
η_{s}	176 %	128 %
Prated	11.02 kW	9.35 kW
SCOP	4.48	3.28
Tbiv	-10 °C	-9 °C
TOL	-10 °C	-9 °C
Pdh Tj = -7 °C	9.94 kW	8.39 kW
$COP Tj = -7^{\circ}C$	2.81	2.01
Cdh Tj = -7 °C	0.998	0.998
Pdh Tj = $+2^{\circ}$ C	5.94 kW	5.03 kW
COP Tj = +2°C	4.61	3.21
Cdh Tj = $+2$ °C	0.995	0.996
Pdh Tj = $+7^{\circ}$ C	6.73 kW	6.55 kW
$COP Tj = +7^{\circ}C$	5.55	4.43
Cdh Tj = $+7$ °C	0.994	0.995
Pdh Tj = 12°C	7.11 kW	7.26 kW
COP Tj = 12°C	5.70	5.11
Cdh Tj = +12 °C	0.994	0.995
Pdh Tj = Tbiv	11.02 kW	9.35 kW
COP Tj = Tbiv	2.49	1.65
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	11.02 kW	9.35 kW





COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.49	1.65
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.998	0.999
WTOL	57 °C	57 °C
Poff	7 W	7 W
РТО	7 W	7 W
PSB	7 W	7 W
PCK	35 W	35 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	9.35 kW
Annual energy consumption Qhe	5084 kWh	5889 kWh

Domestic Hot Water (DHW)

EN 16147		
Declared load profile	L	
Efficiency ηDHW	108 %	
СОР	2.52	
Heating up time	01:01 h:min	
Standby power input	55.0 W	
Reference hot water temperature	51.3 °C	
Mixed water at 40°C	253 I	



Colder Climate

EN 16147		
Declared load profile	L	
Efficiency ηDHW	69 %	
СОР	1.57	
Heating up time	01:29 h:min	
Standby power input	114.0 W	
Reference hot water temperature	52.1 °C	
Mixed water at 40°C	258 I	

Average Climate

EN 16147		
Declared load profile	L	
Efficiency ηDHW	82 %	
СОР	1.92	
Heating up time	01:38 h:min	
Standby power input	70.0 W	
Reference hot water temperature	52.3 °C	
Mixed water at 40°C	267 I	



Model: Bosch Compress 3000 AWS-11 MS-S

Configure model		
Model name	Bosch Compress 3000 AWS-11 MS-S	
Application	Heating + DHW + low temp	
Units	Indoor + Outdoor	
Climate Zone	Colder Climate + Warmer Climate	
Reversibility	Yes	
Cooling mode application (optional)	n/a	

General Data		
Power supply	3x400V 50Hz	

Heating

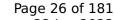
EN 14511-2			
	Low temperature	Medium temperature	
Heat output	6.48 kW	13.57 kW	
El input	1.32 kW	5.75 kW	
СОР	4.92	2.36	

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	35 dB(A)	35 dB(A)
Sound power level outdoor	67 dB(A)	67 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{s}	203 %	158 %
Prated	11.86 kW	10.35 kW
SCOP	5.15	4.04
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	11.86 kW	10.35 kW
COP Tj = +2°C	3.45	1.97
Cdh Tj = +2 °C	0.998	0.999
Pdh Tj = +7°C	7.64 kW	6.64 kW
$COP Tj = +7^{\circ}C$	4.84	3.68
Cdh Tj = +7 °C	0.996	0.996
Pdh Tj = 12°C	7.25 kW	6.93 kW
COP Tj = 12°C	5.90	5.01
Cdh Tj = +12 °C	0.994	0.995





Pdh Tj = Tbiv	11.86 kW	10.35 kW
COP Tj = Tbiv	3.45	1.97
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	11.86 kW	10.35 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.45	1.97
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.998	0.999
WTOL	57 °C	57 °C
Poff	7 W	7 W
РТО	7 W	7 W
PSB	7 W	7 W
PCK	35 W	35 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	3079 kWh	3425 kWh

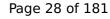
Colder Climate

EN 12102-1			
	Low temperature	Medium temperature	
Sound power level indoor	35 dB(A)	35 dB(A)	
Sound power level outdoor	67 dB(A)	67 dB(A)	



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	Low temperature	Medium temperature
η_{s}	137 %	120 %
Prated	12.00 kW	11.00 kW
SCOP	3.49	3.08
Tbiv	-15 °C	-15 °C
TOL	-15 °C	-15 °C
Pdh Tj = -7° C	7.31 kW	6.68 kW
$COP Tj = -7^{\circ}C$	3.17	2.70
Cdh Tj = -7 °C	0.997	0.997
Pdh Tj = $+2$ °C	5.94 kW	5.59 kW
$COP Tj = +2^{\circ}C$	4.65	4.05
Cdh Tj = +2 °C	0.995	0.995
Pdh Tj = $+7^{\circ}$ C	6.56 kW	6.28 kW
$COP Tj = +7^{\circ}C$	5.30	4.72
Cdh Tj = +7 °C	0.994	0.995
Pdh Tj = 12°C	7.27 kW	7.06 kW
COP Tj = 12°C	5.92	5.38
Cdh Tj = +12 °C	0.994	0.995
Pdh Tj = Tbiv	10.72 kW	9.48 kW
COP Tj = Tbiv	2.15	1.85
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	10.72 kW	9.48 kW





2.15	1.85
0.999	0.999
57 °C	57 °C
7 W	7 W
7 W	7 W
7 W	7 W
35 W	35 W
Electricity	Electricity
12.00 kW	11.00 kW
8480 kWh	8790 kWh
10.72	9.48
2.15	1.85
0.999	0.999
	0.999 57 °C 7 W 7 W 7 W 35 W Electricity 12.00 kW 8480 kWh 10.72 2.15

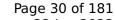
Average Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	35 dB(A)	35 dB(A)
Sound power level outdoor	67 dB(A)	67 dB(A)



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	Low temperature	Medium temperature
η_{S}	176 %	128 %
Prated	11.02 kW	9.35 kW
SCOP	4.48	3.28
Tbiv	-10 °C	-9 °C
TOL	-10 °C	-9 °C
Pdh Tj = -7 °C	9.94 kW	8.39 kW
COP Tj = -7 °C	2.81	2.01
Cdh Tj = -7 °C	0.998	0.998
Pdh Tj = $+2$ °C	5.94 kW	5.03 kW
$COP Tj = +2^{\circ}C$	4.61	3.21
Cdh Tj = $+2$ °C	0.995	0.996
Pdh Tj = $+7$ °C	6.73 kW	6.55 kW
$COP Tj = +7^{\circ}C$	5.55	4.43
Cdh Tj = $+7$ °C	0.994	0.995
Pdh Tj = 12°C	7.11 kW	7.26 kW
COP Tj = 12°C	5.70	5.11
Cdh Tj = +12 °C	0.994	0.995
Pdh Tj = Tbiv	11.02 kW	9.35 kW
COP Tj = Tbiv	2.49	1.65
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	11.02 kW	9.35 kW





COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.49	1.65
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.998	0.999
WTOL	57 °C	57 °C
Poff	7 W	7 W
РТО	7 W	7 W
PSB	7 W	7 W
PCK	35 W	35 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	9.35 kW
Annual energy consumption Qhe	5084 kWh	5889 kWh

Domestic Hot Water (DHW)

EN 16147		
Declared load profile	L	
Efficiency ηDHW	95 %	
СОР	2.22	
Heating up time	01:00 h:min	
Standby power input	68.0 W	
Reference hot water temperature	50.3 °C	
Mixed water at 40°C	248 I	



Colder Climate

EN 16147		
Declared load profile	L	
Efficiency ηDHW	67 %	
СОР	1.54	
Heating up time	01:04 h:min	
Standby power input	116.3 W	
Reference hot water temperature	50.6 °C	
Mixed water at 40°C	253 I	

Average Climate

EN 16147		
Declared load profile	L	
Efficiency ηDHW	76 %	
СОР	1.76	
Heating up time	01:36 h:min	
Standby power input	75.0 W	
Reference hot water temperature	51.2 °C	
Mixed water at 40°C	251 I	



Model: Bosch Compress 3000 AWS-11 E-T

Configure model		
Model name Bosch Compress 3000 AWS-11 E-T		
Application	Heating (medium temp)	
Units	Indoor + Outdoor	
Climate Zone	Colder Climate + Warmer Climate	
Reversibility	Yes	
Cooling mode application (optional)	n/a	

General Data		
Power supply	3x400V 50Hz	

Heating

EN 14511-2			
Low temperature Medium temperature			
Heat output	6.41 kW	13.45 kW	
El input	1.32 kW	5.69 kW	
СОР	4.85	2.37	

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



Sound power level outdoor

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

67 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{s}	215 %	154 %
Prated	11.88 kW	10.49 kW
SCOP	5.44	3.93
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	11.90 kW	10.50 kW
COP Tj = +2°C	3.29	2.13
Cdh Tj = +2 °C	0.995	0.995
Pdh Tj = +7°C	7.53 kW	6.85 kW
COP Tj = +7°C	5.42	3.44
Cdh Tj = +7 °C	0.987	0.987
Pdh Tj = 12°C	7.52 kW	7.52 kW
COP Tj = 12°C	6.27	5.18
Cdh Tj = +12 °C	0.982	0.982

67 dB(A)





Pdh Tj = Tbiv	11.90 kW	10.50 kW
COP Tj = Tbiv	3.29	2.13
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	11.90 kW	10.50 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.29	2.13
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.995	0.995
WTOL	57 °C	57 °C
Poff	26 W	26 W
РТО	26 W	26 W
PSB	26 W	26 W
PCK	53 W	53 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	2917 kWh	3563 kWh

Colder Climate

EN 12102-1			
	Low temperature	Medium temperature	
Sound power level indoor	41 dB(A)	41 dB(A)	
Sound power level outdoor	67 dB(A)	67 dB(A)	



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This information was gene	Low temperature	Medium temperature
η_{S}	146 %	112 %
Prated	11.40 kW	10.10 kW
SCOP	3.72	2.87
Tbiv	-15 °C	-15 °C
TOL	-15 °C	-15 °C
Pdh Tj = -7° C	6.78 kW	6.19 kW
$COP Tj = -7^{\circ}C$	3.48	2.61
Cdh Tj = -7 °C	0.987	0.989
Pdh Tj = $+2$ °C	5.73 kW	5.06 kW
$COPTj = +2^{\circ}C$	4.87	3.51
Cdh Tj = +2 °C	0.978	0.982
Pdh Tj = $+7^{\circ}$ C	6.79 kW	6.49 kW
$COPTj = +7^{\circ}C$	5.92	4.57
Cdh Tj = $+7$ °C	0.977	0.982
Pdh Tj = 12°C	7.63 kW	7.69 kW
COP Tj = 12°C	6.89	6.02
Cdh Tj = +12 °C	0.977	0.980
Pdh Tj = Tbiv	10.28 kW	9.01 kW
COP Tj = Tbiv	2.57	1.87
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL $<$ Tdesignh	10.28 kW	9.01 kW
		1





COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.57	1.87
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.994	0.995
WTOL	57 °C	57 °C
Poff	26 W	26 W
РТО	26 W	26 W
PSB	26 W	26 W
PCK	53 W	53 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	11.40 kW	10.10 kW
Annual energy consumption Qhe	7564 kWh	8660 kWh
Pdh Tj = -15°C (if TOL<-20°C)	10.28	9.01
COP Tj = -15°C (if TOL $<$ -20°C)	2.57	1.87
Cdh Tj = -15 °C	0.994	0.995

Average Climate

EN 12102-1			
	Low temperature	Medium temperature	
Sound power level indoor	41 dB(A)	41 dB(A)	
Sound power level outdoor	67 dB(A)	67 dB(A)	



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	Low temperature	Medium temperature
η_{S}	182 %	126 %
Prated	11.70 kW	9.01 kW
SCOP	4.62	3.22
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7 °C	10.04 kW	7.98 kW
COP Tj = -7° C	2.85	2.04
Cdh Tj = -7 °C	0.993	0.993
Pdh Tj = $+2$ °C	6.24 kW	5.04 kW
$COP Tj = +2^{\circ}C$	4.69	3.19
Cdh Tj = $+2$ °C	0.980	0.984
Pdh Tj = $+7$ °C	6.79 kW	6.15 kW
$COP Tj = +7^{\circ}C$	5.82	4.07
Cdh Tj = $+7$ °C	0.978	0.983
Pdh Tj = 12°C	7.62 kW	7.56 kW
COP Tj = 12°C	6.94	5.73
Cdh Tj = +12 °C	0.976	0.980
Pdh Tj = Tbiv	11.70 kW	9.01 kW
COP Tj = Tbiv	2.72	1.62
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	11.70 kW	9.01 kW



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This information was generated by the HP KEYMARK database on 22 Jun 2022

COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.72	1.62
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.994	0.995
WTOL	57 °C	57 °C
Poff	26 W	26 W
РТО	26 W	26 W
PSB	26 W	26 W
PCK	53 W	53 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	5234 kWh	5777 kWh



Model: Bosch Compress 3000 AWS-11 B-T

Configure model		
Model name	Bosch Compress 3000 AWS-11 B-T	
Application	Heating (medium temp)	
Units	Indoor + Outdoor	
Climate Zone	Colder Climate + Warmer Climate	
Reversibility	Yes	
Cooling mode application (optional)	n/a	

General Data		
Power supply	1x230V 50Hz	

Heating

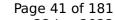
EN 14511-2		
	Low temperature	Medium temperature
Heat output	6.41 kW	13.45 kW
El input	1.32 kW	5.69 kW
СОР	4.85	2.37

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	67 dB(A)	67 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{s}	215 %	154 %
Prated	11.88 kW	10.49 kW
SCOP	5.44	3.93
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	11.90 kW	10.50 kW
COP Tj = +2°C	3.29	2.13
Cdh Tj = +2 °C	0.995	0.995
Pdh Tj = $+7^{\circ}$ C	7.53 kW	6.85 kW
$COP Tj = +7^{\circ}C$	5.42	3.44
Cdh Tj = +7 °C	0.987	0.987
Pdh Tj = 12°C	7.52 kW	7.52 kW
COP Tj = 12°C	6.27	5.18
Cdh Tj = +12 °C	0.982	0.982





Pdh Tj = Tbiv	11.90 kW	10.50 kW
COP Tj = Tbiv	3.29	2.13
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	11.90 kW	10.50 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.29	2.13
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.995	0.995
WTOL	57 °C	57 °C
Poff	26 W	26 W
РТО	26 W	26 W
PSB	26 W	26 W
PCK	53 W	53 W
Supplementary Heater: Type of energy input	n/a	
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	2917 kWh	3563 kWh

Colder Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	41 dB(A)	41 dB(A)
Sound power level outdoor	67 dB(A)	67 dB(A)



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	Low temperature	Medium temperature
η_{s}	146 %	112 %
Prated	11.40 kW	10.10 kW
SCOP	3.72	2.87
Tbiv	-15 °C	-15 °C
TOL	-15 °C	-15 °C
Pdh Tj = -7° C	6.78 kW	6.19 kW
$COP Tj = -7^{\circ}C$	3.48	2.61
Cdh Tj = -7 °C	0.987	0.989
Pdh Tj = $+2$ °C	5.73 kW	5.06 kW
COP Tj = +2°C	4.87	3.51
Cdh Tj = +2 °C	0.978	0.982
Pdh Tj = $+7^{\circ}$ C	6.79 kW	6.49 kW
$COPTj = +7^{\circ}C$	5.92	4.57
Cdh Tj = +7 °C	0.977	0.982
Pdh Tj = 12°C	7.63 kW	7.69 kW
COP Tj = 12°C	6.89	6.02
Cdh Tj = +12 °C	0.977	0.980
Pdh Tj = Tbiv	10.28 kW	9.01 kW
COP Tj = Tbiv	2.57	1.87
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	10.28 kW	9.01 kW





COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.57	1.87
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.994	0.995
WTOL	57 °C	57 °C
Poff	26 W	26 W
РТО	26 W	26 W
PSB	26 W	26 W
PCK	53 W	53 W
Supplementary Heater: Type of energy input	n/a	
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	7564 kWh	8660 kWh
Pdh Tj = -15°C (if TOL<-20°C)	10.28	9.01
COP Tj = -15°C (if TOL $<$ -20°C)	2.57	1.87
Cdh Tj = -15 °C	0.994	0.995

Average Climate

EN 12102-1				
Low temperature Medium temperature				
Sound power level indoor	41 dB(A)	41 dB(A)		
Sound power level outdoor	67 dB(A)	67 dB(A)		



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	Low temperature	Medium temperature
η_{s}	182 %	126 %
Prated	11.70 kW	9.01 kW
SCOP	4.62	3.22
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	10.04 kW	7.98 kW
$COP Tj = -7^{\circ}C$	2.85	2.04
Cdh Tj = -7 °C	0.993	0.993
Pdh Tj = $+2$ °C	6.24 kW	5.04 kW
COP Tj = +2°C	4.69	3.19
Cdh Tj = +2 °C	0.980	0.984
Pdh Tj = $+7^{\circ}$ C	6.79 kW	6.15 kW
$COPTj = +7^{\circ}C$	5.82	4.07
Cdh Tj = +7 °C	0.978	0.983
Pdh Tj = 12°C	7.62 kW	7.56 kW
COP Tj = 12°C	6.94	5.73
Cdh Tj = +12 °C	0.976	0.980
Pdh Tj = Tbiv	11.70 kW	9.01 kW
COP Tj = Tbiv	2.72	1.62
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	11.70 kW	9.01 kW



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COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.72	1.62
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.994	0.995
WTOL	57 °C	57 °C
Poff	26 W	26 W
РТО	26 W	26 W
PSB	26 W	26 W
PCK	53 W	53 W
Supplementary Heater: Type of energy input	n/a	
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	5234 kWh	5777 kWh

Model: Bosch Compress 3000 AWS-11 M-T

Configure model		
Model name Bosch Compress 3000 AWS-11 M-T		
Application	Heating + DHW + low temp	
Units Indoor + Outdoor		
Climate Zone Colder Climate + Warmer Climate		
Reversibility Yes		
Cooling mode application (optional) n/a		

General Data		
Power supply 3x400V 50Hz		

Heating

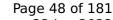
EN 14511-2				
Low temperature Medium temperature				
Heat output	6.41 kW	13.45 kW		
El input	1.32 kW	5.69 kW		
СОР	4.85	2.37		

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	35 dB(A)	35 dB(A)
Sound power level outdoor	67 dB(A)	67 dB(A)

EN 14825				
Low temperature Medium temperature				
η_{s}	215 %	154 %		
Prated	11.88 kW	10.49 kW		
SCOP	5.44	3.93		
Tbiv	2 °C	2 °C		
TOL	2 °C	2 °C		
Pdh Tj = +2°C	11.90 kW	10.50 kW		
COP Tj = +2°C	3.29	2.13		
Cdh Tj = +2 °C	0.995	0.995		
Pdh Tj = +7°C	7.53 kW	6.85 kW		
COP Tj = +7°C	5.42	3.44		
Cdh Tj = +7 °C	0.987	0.987		
Pdh Tj = 12°C	7.52 kW	7.52 kW		
COP Tj = 12°C	6.27	5.18		
Cdh Tj = +12 °C	0.982	0.982		





Pdh Tj = Tbiv	11.90 kW	10.50 kW
COP Tj = Tbiv	3.29	2.13
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	11.90 kW	10.50 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.29	2.13
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.995	0.995
WTOL	57 °C	57 °C
Poff	26 W	26 W
РТО	26 W	26 W
PSB	26 W	26 W
PCK	53 W	53 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	2917 kWh	3563 kWh

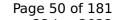
Colder Climate

EN 12102-1				
Low temperature Medium temperature				
Sound power level indoor	35 dB(A)	35 dB(A)		
Sound power level outdoor	67 dB(A)	67 dB(A)		



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	Low temperature	Medium temperature
η_{s}	146 %	112 %
Prated	11.40 kW	10.10 kW
SCOP	3.72	2.87
Tbiv	-15 °C	-15 °C
TOL	-15 °C	-15 °C
Pdh Tj = -7° C	6.78 kW	6.19 kW
$COP Tj = -7^{\circ}C$	3.48	2.61
Cdh Tj = -7 °C	0.987	0.989
Pdh Tj = $+2$ °C	5.73 kW	5.06 kW
COP Tj = +2°C	4.87	3.51
Cdh Tj = +2 °C	0.978	0.982
Pdh Tj = $+7^{\circ}$ C	6.79 kW	6.49 kW
$COP Tj = +7^{\circ}C$	5.92	4.57
Cdh Tj = $+7$ °C	0.977	0.982
Pdh Tj = 12°C	7.63 kW	7.69 kW
COP Tj = 12°C	6.89	6.02
Cdh Tj = +12 °C	0.977	0.980
Pdh Tj = Tbiv	10.28 kW	9.01 kW
COP Tj = Tbiv	2.57	1.87
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	10.28 kW	9.01 kW





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COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.57	1.87
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.994	0.995
WTOL	57 °C	57 °C
Poff	26 W	26 W
РТО	26 W	26 W
PSB	26 W	26 W
PCK	53 W	53 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	11.40 kW	10.10 kW
Annual energy consumption Qhe	7564 kWh	8660 kWh
Pdh Tj = -15°C (if TOL<-20°C)	10.28	1.87
COP Tj = -15°C (if TOL $<$ -20°C)	2.57	1.87
Cdh Tj = -15 °C	0.994	0.995

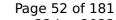
Average Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	35 dB(A)	35 dB(A)
Sound power level outdoor	67 dB(A)	67 dB(A)



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	Low temperature	Medium temperature
η_{S}	182 %	126 %
Prated	11.70 kW	9.01 kW
SCOP	4.62	3.22
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7 °C	10.04 kW	7.98 kW
COP Tj = -7° C	2.85	2.04
Cdh Tj = -7 °C	0.993	0.993
Pdh Tj = $+2$ °C	6.24 kW	5.04 kW
$COP Tj = +2^{\circ}C$	4.69	3.19
Cdh Tj = $+2$ °C	0.980	0.984
Pdh Tj = $+7$ °C	6.79 kW	6.15 kW
$COP Tj = +7^{\circ}C$	5.82	4.07
Cdh Tj = $+7$ °C	0.978	0.983
Pdh Tj = 12°C	7.62 kW	7.56 kW
COP Tj = 12°C	6.94	5.73
Cdh Tj = +12 °C	0.976	0.980
Pdh Tj = Tbiv	11.70 kW	9.01 kW
COP Tj = Tbiv	2.72	1.62
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	11.70 kW	9.01 kW





COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.72	1.62
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.994	0.995
WTOL	57 °C	57 °C
Poff	26 W	26 W
РТО	26 W	26 W
PSB	26 W	26 W
PCK	53 W	53 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	5234 kWh	5777 kWh

Domestic Hot Water (DHW)

EN 16147	
Declared load profile	L
Efficiency ηDHW	87 %
СОР	2.03
Heating up time	01:03 h:min
Standby power input	70.0 W
Reference hot water temperature	51.5 °C
Mixed water at 40°C	254 l



Colder Climate

EN 16147		
Declared load profile	L	
Efficiency ηDHW	75 %	
СОР	1.69	
Heating up time	01:32 h:min	
Standby power input	130.0 W	
Reference hot water temperature	52.1 °C	
Mixed water at 40°C	258 I	

Average Climate

EN 16147		
Declared load profile	L	
Efficiency ηDHW	82 %	
COP	1.89	
Heating up time	01:20 h:min	
Standby power input	80.0 W	
Reference hot water temperature	52.1 °C	
Mixed water at 40°C	251 I	

Model: Bosch Compress 3000 AWS-11 MS-T

Configure model		
Model name Bosch Compress 3000 AWS-11 MS-T		
Application Heating + DHW + low temp		
Units Indoor + Outdoor		
Climate Zone Colder Climate + Warmer Climate		
Reversibility	Yes	
Cooling mode application (optional)	n/a	

General Data		
Power supply	3x400V 50Hz	

Heating

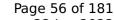
EN 14511-2		
Low temperature Medium temperature		
Heat output	6.41 kW	13.45 kW
El input	1.32 kW	5.69 kW
СОР	4.85	2.37

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 35 dB(A) 35 dB(A) Sound power level outdoor 67 dB(A) 67 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{s}	215 %	154 %
Prated	11.88 kW	10.49 kW
SCOP	5.44	3.93
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	11.90 kW	10.50 kW
COP Tj = +2°C	3.29	2.13
Cdh Tj = +2 °C	0.995	0.995
Pdh Tj = +7°C	7.53 kW	6.85 kW
COP Tj = +7°C	5.42	3.44
Cdh Tj = +7 °C	0.987	0.987
Pdh Tj = 12°C	7.52 kW	7.52 kW
COP Tj = 12°C	6.27	5.18
Cdh Tj = +12 °C	0.982	0.982





Pdh Tj = Tbiv	11.90 kW	10.50 kW
COP Tj = Tbiv	3.29	2.13
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	11.90 kW	10.50 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.29	2.13
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.995	0.995
WTOL	57 °C	57 °C
Poff	26 W	26 W
РТО	26 W	26 W
PSB	26 W	26 W
PCK	53 W	53 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	2917 kWh	3563 kWh

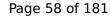
Colder Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	35 dB(A)	35 dB(A)
Sound power level outdoor	67 dB(A)	67 dB(A)



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	Low temperature	Medium temperature
η_{s}	146 %	112 %
Prated	11.40 kW	10.10 kW
SCOP	3.72	2.87
Tbiv	-15 °C	-15 °C
TOL	-15 °C	-15 °C
Pdh Tj = -7° C	6.78 kW	6.19 kW
$COP Tj = -7^{\circ}C$	3.48	2.61
Cdh Tj = -7 °C	0.987	0.989
Pdh Tj = $+2$ °C	5.73 kW	5.06 kW
COP Tj = +2°C	4.87	3.51
Cdh Tj = +2 °C	0.978	0.982
Pdh Tj = $+7^{\circ}$ C	6.79 kW	6.49 kW
$COP Tj = +7^{\circ}C$	5.92	4.57
Cdh Tj = $+7$ °C	0.977	0.982
Pdh Tj = 12°C	7.63 kW	7.69 kW
COP Tj = 12°C	6.89	6.02
Cdh Tj = +12 °C	0.977	0.980
Pdh Tj = Tbiv	10.28 kW	9.01 kW
COP Tj = Tbiv	2.57	1.87
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	10.28 kW	9.01 kW





2.57	1.87
0.994	0.995
57 °C	57 °C
26 W	26 W
26 W	26 W
26 W	26 W
53 W	53 W
Electricity	Electricity
11.40 kW	10.10 kW
7564 kWh	8660 kWh
10.28	9.01
2.57	1.87
0.994	0.995
	0.994 57 °C 26 W 26 W 53 W Electricity 11.40 kW 7564 kWh 10.28 2.57

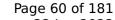
Average Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	35 dB(A)	35 dB(A)
Sound power level outdoor	67 dB(A)	67 dB(A)



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	Low temperature	Medium temperature
η_{s}	182 %	126 %
Prated	11.70 kW	9.01 kW
SCOP	4.62	3.22
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	10.04 kW	7.98 kW
$COP Tj = -7^{\circ}C$	2.85	2.04
Cdh Tj = -7 °C	0.993	0.993
Pdh Tj = $+2$ °C	6.24 kW	5.04 kW
COP Tj = +2°C	4.69	3.19
Cdh Tj = +2 °C	0.980	0.984
Pdh Tj = $+7^{\circ}$ C	6.79 kW	6.15 kW
$COPTj = +7^{\circ}C$	5.82	4.07
Cdh Tj = +7 °C	0.978	0.983
Pdh Tj = 12°C	7.62 kW	7.56 kW
COP Tj = 12°C	6.94	5.73
Cdh Tj = +12 °C	0.976	0.980
Pdh Tj = Tbiv	11.70 kW	9.01 kW
COP Tj = Tbiv	2.72	1.62
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	11.70 kW	9.01 kW





COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.72	1.62
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.994	0.995
WTOL	57 °C	57 °C
Poff	26 W	26 W
РТО	26 W	26 W
PSB	26 W	26 W
PCK	53 W	53 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	5234 kWh	5777 kWh

Domestic Hot Water (DHW)

EN 16147		
Declared load profile	L	
Efficiency ηDHW	77 %	
СОР	1.79	
Heating up time	01:02 h:min	
Standby power input	86.5 W	
Reference hot water temperature	50.5 °C	
Mixed water at 40°C	249	



Colder Climate

EN 16147		
Declared load profile	L	
Efficiency ηDHW	74 %	
СОР	1.66	
Heating up time	01:05 h:min	
Standby power input	132.6 W	
Reference hot water temperature	50.5 °C	
Mixed water at 40°C	253 I	

Average Climate

EN 16147		
Declared load profile	L	
Efficiency ηDHW	75 %	
СОР	1.74	
Heating up time	01:18 h:min	
Standby power input	85.7 W	
Reference hot water temperature	51.1 °C	
Mixed water at 40°C	236 I	



Model: Bosch Compress 3000 AWS-13 E-S

Configure model		
Model name	Bosch Compress 3000 AWS-13 E-S	
Application	Heating (medium temp)	
Units	Indoor + Outdoor	
Climate Zone	Colder Climate + Warmer Climate	
Reversibility	Yes	
Cooling mode application (optional)	n/a	

General Data		
Power supply	3x400V 50Hz	

Heating

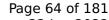
EN 14511-2			
Low temperature Medium temperature			
Heat output	6.48 kW	14.44 kW	
El input	1.32 kW	6.23 kW	
СОР	4.92	2.32	

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	67 dB(A)	67 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{s}	225 %	143 %
Prated	12.36 kW	7.51 kW
SCOP	5.71	3.65
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	12.37 kW	7.55 kW
COP Tj = +2°C	3.20	1.37
Cdh Tj = +2 °C	0.998	0.999
Pdh Tj = +7°C	7.83 kW	5.48 kW
COP Tj = +7°C	5.46	3.22
Cdh Tj = +7 °C	0.995	0.996
Pdh Tj = 12°C	7.66 kW	7.04 kW
COP Tj = 12°C	6.64	4.96
Cdh Tj = +12 °C	0.994	0.995





Pdh Tj = Tbiv	12.37 kW	7.55 kW
COP Tj = Tbiv	3.20	1.37
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	12.37 kW	7.55 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.20	1.37
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.998	0.999
WTOL	57 °C	57 °C
Poff	7 W	7 W
РТО	7 W	7 W
PSB	7 W	7 W
PCK	35 W	35 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	2893 kWh	2746 kWh

Colder Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	41 dB(A)	41 dB(A)
Sound power level outdoor	67 dB(A)	67 dB(A)



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This information was gene	Low temperature	Medium temperature
η_{S}	141 %	111 %
Prated	13.42 kW	12.18 kW
SCOP	3.60	2.86
Tbiv	-15 °C	-15 °C
TOL	-15 °C	-15 °C
Pdh Tj = -7° C	8.07 kW	7.22 kW
COP Tj = -7 °C	3.21	2.43
Cdh Tj = -7 °C	0.997	0.998
Pdh Tj = $+2$ °C	5.95 kW	5.16 kW
$COP Tj = +2^{\circ}C$	5.12	3.65
Cdh Tj = +2 °C	0.994	0.995
Pdh Tj = $+7^{\circ}$ C	6.07 kW	6.54 kW
$COP Tj = +7^{\circ}C$	4.80	4.74
Cdh Tj = $+7$ °C	0.994	0.995
Pdh Tj = 12°C	6.43 kW	6.93 kW
COP Tj = 12°C	4.83	4.99
Cdh Tj = +12 °C	0.995	0.995
Pdh Tj = Tbiv	10.95 kW	9.94 kW
COP Tj = Tbiv	2.36	1.75
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	10.95 kW	9.94 kW





COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.36	1.75
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.998	0.999
WTOL	57 °C	57 °C
Poff	7 W	7 W
РТО	7 W	7 W
PSB	7 W	7 W
PCK	35 W	35 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	13.42 kW	12.18 kW
Annual energy consumption Qhe	9181 kWh	10512 kWh
Pdh Tj = -15°C (if TOL<-20°C)	10.95	9.94
COP Tj = -15°C (if TOL $<$ -20°C)	2.36	1.75
Cdh Tj = -15 °C	0.998	0.999

Average Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	41 dB(A)	41 dB(A)
Sound power level outdoor	67 dB(A)	67 dB(A)



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	Low temperature	Medium temperature
η_{S}	171 %	134 %
Prated	13.04 kW	11.50 kW
SCOP	4.35	3.43
Tbiv	-10 °C	-9 °C
TOL	-10 °C	-9 °C
Pdh Tj = -7° C	10.79 kW	10.00 kW
COP Tj = -7° C	2.74	1.96
Cdh Tj = -7 °C	0.998	0.999
Pdh Tj = $+2$ °C	6.91 kW	6.01 kW
$COPTj = +2^{\circ}C$	4.30	3.47
Cdh Tj = $+2$ °C	0.996	0.996
Pdh Tj = $+7^{\circ}$ C	6.61 kW	6.56 kW
$COPTj = +7^{\circ}C$	5.49	4.55
Cdh Tj = $+7$ °C	0.994	0.995
Pdh Tj = 12°C	7.60 kW	7.24 kW
COP Tj = 12°C	6.62	5.20
Cdh Tj = +12 °C	0.994	0.995
Pdh Tj = Tbiv	13.05 kW	11.07 kW
COP Tj = Tbiv	2.60	1.72
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	13.05 kW	11.07 kW



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COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.60	1.72
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.999	0.999
WTOL	57 °C	57 °C
Poff	7 W	7 W
РТО	7 W	7 W
PSB	7 W	7 W
PCK	35 W	35 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	11.50 kW
Annual energy consumption Qhe	6194 kWh	6924 kWh



Model: Bosch Compress 3000 AWS-13 B-S

Configure model		
Model name	Bosch Compress 3000 AWS-13 B-S	
Application	Heating (medium temp)	
Units	Indoor + Outdoor	
Climate Zone	Colder Climate + Warmer Climate	
Reversibility	Yes	
Cooling mode application (optional)	n/a	

General Data		
Power supply 1x230V 50Hz		

Heating

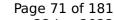
EN 14511-2			
Low temperature Medium temperature			
Heat output	6.48 kW	14.44 kW	
El input	1.32 kW	6.23 kW	
СОР	4.92	2.32	

EN 14511-4		
Shutting off the heat transfer medium flow	naccod	
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	67 dB(A)	67 dB(A)	

EN 14825		
	Low temperature	Medium temperature
η_{s}	225 %	143 %
Prated	12.36 kW	7.51 kW
SCOP	5.71	3.65
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	12.37 kW	7.55 kW
COP Tj = +2°C	3.20	1.37
Cdh Tj = +2 °C	0.998	0.999
Pdh Tj = +7°C	7.83 kW	5.48 kW
COP Tj = +7°C	5.46	3.22
Cdh Tj = +7 °C	0.995	0.996
Pdh Tj = 12°C	7.66 kW	7.04 kW
COP Tj = 12°C	6.64	4.96
Cdh Tj = +12 °C	0.994	0.995





		-
Pdh Tj = Tbiv	12.37 kW	7.55 kW
COP Tj = Tbiv	3.20	1.37
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	12.37 kW	7.55 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.20	1.37
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.998	0.999
WTOL	57 °C	57 °C
Poff	7 W	7 W
PTO	7 W	7 W
PSB	7 W	7 W
PCK	35 W	35 W
Supplementary Heater: Type of energy input	n/a	
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	2893 kWh	2746 kWh

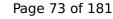
Colder Climate

EN 12102-1			
	Low temperature	Medium temperature	
Sound power level indoor	41 dB(A)	41 dB(A)	
Sound power level outdoor	67 dB(A)	67 dB(A)	



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	Low temperature	Medium temperature
η_{s}	141 %	111 %
Prated	13.42 kW	12.18 kW
SCOP	3.60	2.86
Tbiv	-15 °C	-15 °C
TOL	-15 °C	-15 °C
Pdh Tj = -7°C	8.07 kW	7.22 kW
$COP Tj = -7^{\circ}C$	3.21	2.43
Cdh Tj = -7 °C	0.997	0.998
Pdh Tj = $+2$ °C	5.95 kW	5.16 kW
COP Tj = +2°C	5.12	3.65
Cdh Tj = +2 °C	0.994	0.995
Pdh Tj = $+7^{\circ}$ C	6.07 kW	6.54 kW
$COP Tj = +7^{\circ}C$	4.80	4.74
Cdh Tj = +7 °C	0.994	0.995
Pdh Tj = 12°C	6.43 kW	6.93 kW
COP Tj = 12°C	4.83	4.99
Cdh Tj = +12 °C	0.995	0.995
Pdh Tj = Tbiv	10.95 kW	9.94 kW
COP Tj = Tbiv	2.36	1.75
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	10.95 kW	9.94 kW





2.36	1.75
0.998	0.999
57 °C	57 °C
7 W	7 W
7 W	7 W
7 W	7 W
35 W	35 W
n/a	
0.00 kW	0.00 kW
9181 kWh	10512 kWh
10.95	9.94
2.36	1.75
0.998	0.999
	0.998 57 °C 7 W 7 W 7 W 35 W n/a 0.00 kW 9181 kWh 10.95 2.36

Average Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	41 dB(A)	41 dB(A)
Sound power level outdoor	67 dB(A)	67 dB(A)



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	Low temperature	Medium temperature
η_{s}	171 %	134 %
Prated	13.04 kW	11.50 kW
SCOP	4.35	3.43
Tbiv	-10 °C	-9 °C
TOL	-10 °C	-9 °C
Pdh Tj = -7 °C	10.79 kW	10.00 kW
COP Tj = -7 °C	2.74	1.96
Cdh Tj = -7 °C	0.998	0.999
Pdh Tj = $+2$ °C	6.91 kW	6.01 kW
$COPTj = +2^{\circ}C$	4.30	3.47
Cdh Tj = $+2$ °C	0.996	0.996
Pdh Tj = $+7$ °C	6.61 kW	6.56 kW
$COPTj = +7^{\circ}C$	5.49	4.55
Cdh Tj = $+7$ °C	0.994	0.995
Pdh Tj = 12°C	7.60 kW	7.24 kW
COP Tj = 12°C	6.62	5.20
Cdh Tj = +12 °C	0.994	0.995
Pdh Tj = Tbiv	13.05 kW	11.07 kW
COP Tj = Tbiv	2.60	1.72
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	13.05 kW	11.07 kW



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COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.60	1.72
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.999	0.999
WTOL	57 °C	57 °C
Poff	7 W	7 W
РТО	7 W	7 W
PSB	7 W	7 W
PCK	35 W	35 W
Supplementary Heater: Type of energy input	n/a	
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	6194 kWh	6924 kWh

Model: Bosch Compress 3000 AWS-13 M-S

Configure model		
Model name	Bosch Compress 3000 AWS-13 M-S	
Application	Heating + DHW + low temp	
Units	Indoor + Outdoor	
Climate Zone	Colder Climate + Warmer Climate	
Reversibility	Yes	
Cooling mode application (optional)	n/a	

General Data		
Power supply 3x400V 50Hz		

Heating

EN 14511-2			
	Low temperature	Medium temperature	
Heat output	6.48 kW	14.44 kW	
El input	1.32 kW	6.23 kW	
СОР	4.92	2.32	

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	35 dB(A)	35 dB(A)
Sound power level outdoor	67 dB(A)	67 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{s}	225 %	143 %
Prated	12.36 kW	7.51 kW
SCOP	5.71	3.65
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	12.37 kW	7.55 kW
COP Tj = +2°C	3.20	1.37
Cdh Tj = +2 °C	0.998	0.999
Pdh Tj = +7°C	7.83 kW	5.48 kW
COP Tj = +7°C	5.46	3.22
Cdh Tj = +7 °C	0.995	0.996
Pdh Tj = 12°C	7.66 kW	7.04 kW
COP Tj = 12°C	6.64	4.96
Cdh Tj = +12 °C	0.994	0.995





Pdh Tj = Tbiv	12.37 kW	7.55 kW
COP Tj = Tbiv	3.20	1.37
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	12.37 kW	7.55 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.20	1.37
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.998	0.999
WTOL	57 °C	57 °C
Poff	7 W	7 W
РТО	7 W	7 W
PSB	7 W	7 W
PCK	35 W	35 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	2893 kWh	2746 kWh

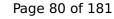
Colder Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	35 dB(A)	35 dB(A)
Sound power level outdoor	67 dB(A)	67 dB(A)



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This information was gene	Low temperature	Medium temperature
η_{S}	141 %	111 %
Prated	13.42 kW	12.18 kW
SCOP	3.60	2.86
Tbiv	-15 °C	-15 °C
TOL	-15 °C	-15 °C
Pdh Tj = -7° C	8.07 kW	7.22 kW
COP Tj = -7 °C	3.21	2.43
Cdh Tj = -7 °C	0.997	0.998
Pdh Tj = $+2$ °C	5.95 kW	5.16 kW
$COP Tj = +2^{\circ}C$	5.12	3.65
Cdh Tj = +2 °C	0.994	0.995
Pdh Tj = $+7^{\circ}$ C	6.07 kW	6.54 kW
$COP Tj = +7^{\circ}C$	4.80	4.74
Cdh Tj = $+7$ °C	0.994	0.995
Pdh Tj = 12°C	6.43 kW	6.93 kW
COP Tj = 12°C	4.83	4.99
Cdh Tj = +12 °C	0.995	0.995
Pdh Tj = Tbiv	10.95 kW	9.94 kW
COP Tj = Tbiv	2.36	1.75
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	10.95 kW	9.94 kW





COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.36	1.75
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.998	0.999
WTOL	57 °C	57 °C
Poff	7 W	7 W
РТО	7 W	7 W
PSB	7 W	7 W
PCK	35 W	35 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	13.42 kW	12.18 kW
Annual energy consumption Qhe	9181 kWh	10512 kWh
Pdh Tj = -15°C (if TOL<-20°C)	10.95	1.75
COP Tj = -15°C (if TOL $<$ -20°C)	2.36	1.75
Cdh Tj = -15 °C	0.998	0.999

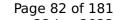
Average Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	35 dB(A)	35 dB(A)
Sound power level outdoor	67 dB(A)	67 dB(A)



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	Low temperature	Medium temperature
η_{s}	171 %	134 %
Prated	13.04 kW	11.50 kW
SCOP	4.35	3.43
Tbiv	-10 °C	-9 °C
TOL	-10 °C	-9 °C
Pdh Tj = -7 °C	10.79 kW	10.00 kW
COP Tj = -7° C	2.74	1.96
Cdh Tj = -7 °C	0.998	0.999
Pdh Tj = $+2$ °C	6.91 kW	6.01 kW
$COPTj = +2^{\circ}C$	4.30	3.47
Cdh Tj = $+2$ °C	0.996	0.996
Pdh Tj = $+7$ °C	6.61 kW	6.56 kW
$COPTj = +7^{\circ}C$	5.49	4.55
Cdh Tj = $+7$ °C	0.994	0.995
Pdh Tj = 12°C	7.60 kW	7.24 kW
COP Tj = 12°C	6.62	5.20
Cdh Tj = +12 °C	0.994	0.995
Pdh Tj = Tbiv	13.05 kW	11.07 kW
COP Tj = Tbiv	2.60	1.72
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	13.05 kW	11.07 kW





COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.60	1.72
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.999	0.999
WTOL	57 °C	57 °C
Poff	7 W	7 W
PTO	7 W	7 W
PSB	7 W	7 W
PCK	35 W	35 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	11.50 kW
Annual energy consumption Qhe	6194 kWh	6924 kWh

Domestic Hot Water (DHW)

EN 16147		
Declared load profile	L	
Efficiency ηDHW	108 %	
СОР	2.52	
Heating up time	01:01 h:min	
Standby power input	55.0 W	
Reference hot water temperature	51.3 °C	
Mixed water at 40°C	253 I	



Colder Climate

EN 16147		
Declared load profile	L	
Efficiency ηDHW	69 %	
СОР	1.57	
Heating up time	01:29 h:min	
Standby power input	114.0 W	
Reference hot water temperature	52.1 °C	
Mixed water at 40°C	258 I	

Average Climate

EN 16147		
Declared load profile	L	
Efficiency ηDHW	82 %	
СОР	1.92	
Heating up time	01:38 h:min	
Standby power input	70.0 W	
Reference hot water temperature	52.3 °C	
Mixed water at 40°C	267 I	



Model: Bosch Compress 3000 AWS-13 MS-S

Configure model		
Model name	Bosch Compress 3000 AWS-13 MS-S	
Application	Heating + DHW + low temp	
Units	Indoor + Outdoor	
Climate Zone	Colder Climate + Warmer Climate	
Reversibility	Yes	
Cooling mode application (optional)	n/a	

General Data		
Power supply	3x400V 50Hz	

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	6.48 kW	14.44 kW
El input	1.32 kW	6.23 kW
СОР	4.92	2.32

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

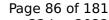


EN 12102-1

LN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	35 dB(A)	35 dB(A)
Sound power level outdoor	67 dB(A)	67 dB(A)

EN 14825

	Low temperature	Medium temperature
η_{S}	225 %	143 %
Prated	12.36 kW	7.51 kW
SCOP	5.71	3.65
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	12.37 kW	7.55 kW
COP Tj = +2°C	3.20	1.37
Cdh Tj = +2 °C	0.998	0.999
Pdh Tj = $+7^{\circ}$ C	7.83 kW	5.48 kW
$COP Tj = +7^{\circ}C$	5.46	3.22
Cdh Tj = +7 °C	0.995	0.996
Pdh Tj = 12°C	7.66 kW	7.04 kW
COP Tj = 12°C	6.64	4.96
Cdh Tj = +12 °C	0.994	0.995
	'	





Pdh Tj = Tbiv	12.37 kW	7.55 kW
COP Tj = Tbiv	3.20	1.37
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	12.37 kW	7.55 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.20	1.37
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.998	0.999
WTOL	57 °C	57 °C
Poff	7 W	7 W
РТО	7 W	7 W
PSB	7 W	7 W
PCK	35 W	35 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	2893 kWh	2746 kWh

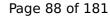
Colder Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	35 dB(A)	35 dB(A)
Sound power level outdoor	67 dB(A)	67 dB(A)



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	Low temperature	Medium temperature
η_{s}	141 %	111 %
Prated	13.42 kW	12.18 kW
SCOP	3.60	2.86
Tbiv	-15 °C	-15 °C
TOL	-15 °C	-15 °C
Pdh Tj = -7°C	8.07 kW	7.22 kW
COP Tj = -7°C	3.21	2.43
Cdh Tj = -7 °C	0.997	0.998
Pdh Tj = +2°C	5.95 kW	5.16 kW
COP Tj = +2°C	5.12	3.65
Cdh Tj = +2 °C	0.994	0.995
Pdh Tj = +7°C	6.07 kW	6.54 kW
$COP Tj = +7^{\circ}C$	4.80	4.74
Cdh Tj = +7 °C	0.994	0.995
Pdh Tj = 12°C	6.43 kW	6.93 kW
COP Tj = 12°C	4.83	4.99
Cdh Tj = +12 °C	0.995	0.995
Pdh Tj = Tbiv	10.95 kW	9.94 kW
COP Tj = Tbiv	2.36	1.75
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	10.95 kW	9.94 kW





COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.36	1.75
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.998	0.999
WTOL	57 °C	57 °C
Poff	7 W	7 W
РТО	7 W	7 W
PSB	7 W	7 W
PCK	35 W	35 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	13.42 kW	12.18 kW
Annual energy consumption Qhe	9181 kWh	10512 kWh
Pdh Tj = -15°C (if TOL<-20°C)	10.95	9.94
COP Tj = -15°C (if TOL $<$ -20°C)	2.36	1.75
Cdh Tj = -15 °C	0.998	0.999

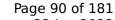
Average Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	35 dB(A)	35 dB(A)
Sound power level outdoor	67 dB(A)	67 dB(A)



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	Low temperature	Medium temperature
η_{S}	171 %	134 %
Prated	13.04 kW	11.50 kW
SCOP	4.35	3.43
Tbiv	-10 °C	-9 °C
TOL	-10 °C	-9 °C
Pdh Tj = -7° C	10.79 kW	10.00 kW
COP Tj = -7° C	2.74	1.96
Cdh Tj = -7 °C	0.998	0.999
Pdh Tj = $+2$ °C	6.91 kW	6.01 kW
$COPTj = +2^{\circ}C$	4.30	3.47
Cdh Tj = $+2$ °C	0.996	0.996
Pdh Tj = $+7^{\circ}$ C	6.61 kW	6.56 kW
$COPTj = +7^{\circ}C$	5.49	4.55
Cdh Tj = $+7$ °C	0.994	0.995
Pdh Tj = 12°C	7.60 kW	7.24 kW
COP Tj = 12°C	6.62	5.20
Cdh Tj = +12 °C	0.994	0.995
Pdh Tj = Tbiv	13.05 kW	11.07 kW
COP Tj = Tbiv	2.60	1.72
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	13.05 kW	11.07 kW





COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.60	1.72
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.999	0.999
WTOL	57 °C	57 °C
Poff	7 W	7 W
PTO	7 W	7 W
PSB	7 W	7 W
PCK	35 W	35 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	11.50 kW
Annual energy consumption Qhe	6194 kWh	6924 kWh

Domestic Hot Water (DHW)

EN 16147		
Declared load profile	L	
Efficiency ηDHW	95 %	
СОР	2.22	
Heating up time	01:00 h:min	
Standby power input	68.0 W	
Reference hot water temperature	50.3 °C	
Mixed water at 40°C	248 I	



Colder Climate

EN 16147		
Declared load profile	L	
Efficiency ηDHW	67 %	
СОР	1.54	
Heating up time	01:04 h:min	
Standby power input	116.3 W	
Reference hot water temperature	50.6 °C	
Mixed water at 40°C	253 I	

Average Climate

EN 16147		
Declared load profile	L	
Efficiency ηDHW	76 %	
СОР	1.76	
Heating up time	01:36 h:min	
Standby power input	75.0 W	
Reference hot water temperature	51.2 °C	
Mixed water at 40°C	251 l	



Model: Bosch Compress 3000 AWS-13 B-T

Configure model		
Model name	Bosch Compress 3000 AWS-13 B-T	
Application	Heating (medium temp)	
Units	Indoor + Outdoor	
Climate Zone	Colder Climate + Warmer Climate	
Reversibility	Yes	
Cooling mode application (optional)	n/a	

General Data		
Power supply	1x230V 50Hz	

Heating

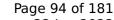
EN 14511-2			
Low temperature Medium temperature			
Heat output	6.41 kW	14.29 kW	
El input	1.32 kW	6.16 kW	
СОР	4.85	2.32	

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	67 dB(A)	67 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{s}	209 %	155 %
Prated	12.67 kW	11.18 kW
SCOP	5.31	3.94
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	12.67 kW	11.18 kW
COP Tj = +2°C	3.32	2.13
Cdh Tj = +2 °C	0.993	0.995
Pdh Tj = +7°C	8.28 kW	7.27 kW
COP Tj = +7°C	4.96	3.48
Cdh Tj = +7 °C	0.984	0.988
Pdh Tj = 12°C	7.50 kW	7.21 kW
COP Tj = 12°C	6.42	5.12
Cdh Tj = +12 °C	0.978	0.982





Pdh Tj = Tbiv	12.67 kW	11.18 kW
COP Tj = Tbiv	3.32	2.13
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	12.67 kW	11.18 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.32	2.13
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.993	0.995
WTOL	57 °C	57 °C
Poff	26 W	26 W
РТО	26 W	26 W
PSB	26 W	26 W
PCK	53 W	53 W
Supplementary Heater: Type of energy input	n/a	
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	3186 kWh	3787 kWh

Colder Climate

EN 12102-1			
	Low temperature	Medium temperature	
Sound power level indoor	41 dB(A)	41 dB(A)	
Sound power level outdoor	67 dB(A)	67 dB(A)	



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	Low temperature	Medium temperature
η_{s}	144 %	111 %
Prated	13.89 kW	12.32 kW
SCOP	3.67	2.85
Tbiv	-15 °C	-15 °C
TOL	-15 °C	-15 °C
Pdh Tj = -7 °C	8.50 kW	7.49 kW
$COP Tj = -7^{\circ}C$	3.35	2.38
Cdh Tj = -7 °C	0.990	0.992
Pdh Tj = $+2$ °C	6.02 kW	5.72 kW
COP Tj = +2°C	4.86	3.65
Cdh Tj = $+2$ °C	0.979	0.983
Pdh Tj = $+7^{\circ}$ C	6.72 kW	6.47 kW
$COP Tj = +7^{\circ}C$	5.66	4.54
Cdh Tj = $+7$ °C	0.978	0.982
Pdh Tj = 12°C	7.51 kW	7.33 kW
COP Tj = 12°C	6.54	5.61
Cdh Tj = +12 °C	0.977	0.980
Pdh Tj = Tbiv	11.33 kW	10.05 kW
COP Tj = Tbiv	2.61	1.96
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	11.33 kW	10.05 kW





COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.61	1.96
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.994	0.995
WTOL	57 °C	57 °C
Poff	26 W	26 W
PTO	26 W	26 W
PSB	26 W	26 W
PCK	53 W	53 W
Supplementary Heater: Type of energy input	n/a	
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	9329 kWh	10660 kWh
Pdh Tj = -15°C (if TOL<-20°C)	11.33	10.05
COP Tj = -15°C (if TOL $<$ -20°C)	2.61	1.96
Cdh Tj = -15 °C	0.994	0.995

Average Climate

EN 12102-1			
	Low temperature	Medium temperature	
Sound power level indoor	41 dB(A)	41 dB(A)	
Sound power level outdoor	67 dB(A)	67 dB(A)	



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	Low temperature	Medium temperature
η_{s}	167 %	129 %
Prated	12.32 kW	11.30 kW
SCOP	4.25	3.29
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	10.78 kW	10.02 kW
$COP Tj = -7^{\circ}C$	2.79	2.03
Cdh Tj = -7 °C	0.993	0.995
Pdh Tj = +2°C	6.45 kW	6.06 kW
$COPTj = +2^{\circ}C$	4.45	3.28
Cdh Tj = +2 °C	0.982	0.986
Pdh Tj = $+7^{\circ}$ C	6.29 kW	6.40 kW
$COPTj = +7^{\circ}C$	4.93	4.27
Cdh Tj = +7 °C	0.980	0.983
Pdh Tj = 12°C	6.99 kW	7.28 kW
COP Tj = 12°C	5.64	5.09
Cdh Tj = +12 °C	0.979	0.982
Pdh Tj = Tbiv	12.33 kW	11.30 kW
COP Tj = Tbiv	2.48	1.81
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	12.33 kW	11.30 kW



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This information was generated by the HP KEYMARK database on 22 Jun 2022

COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.48	1.81
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.995	0.996
WTOL	57 °C	57 °C
Poff	26 W	26 W
РТО	26 W	26 W
PSB	26 W	26 W
PCK	53 W	53 W
Supplementary Heater: Type of energy input	n/a	
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	5994 kWh	7088 kWh



Model: Bosch Compress 3000 AWS-13 E-T

Configure model		
Model name	Bosch Compress 3000 AWS-13 E-T	
Application	Heating (medium temp)	
Units	Indoor + Outdoor	
Climate Zone	Colder Climate + Warmer Climate	
Reversibility	Yes	
Cooling mode application (optional)	n/a	

General Data		
Power supply 3x400V 50Hz		

Heating

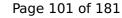
EN 14511-2		
Low temperature Medium temperature		
Heat output	6.41 kW	14.29 kW
El input	1.32 kW	6.16 kW
СОР	4.85	2.32

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	67 dB(A)	67 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{s}	209 %	155 %
Prated	12.67 kW	11.18 kW
SCOP	5.31	3.94
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	12.67 kW	11.18 kW
COP Tj = +2°C	3.32	2.13
Cdh Tj = +2 °C	0.993	0.995
Pdh Tj = $+7^{\circ}$ C	8.28 kW	7.27 kW
COP Tj = +7°C	4.96	3.48
Cdh Tj = +7 °C	0.984	0.988
Pdh Tj = 12°C	7.50 kW	7.21 kW
COP Tj = 12°C	6.42	5.12
Cdh Tj = +12 °C	0.978	0.982





-	
12.67 kW	11.18 kW
3.32	2.13
12.67 kW	11.18 kW
3.32	2.13
0.993	0.995
57 °C	57 °C
26 W	26 W
26 W	26 W
26 W	26 W
53 W	53 W
Electricity	Electricity
0.00 kW	0.00 kW
3186 kWh	3787 kWh
	3.32 12.67 kW 3.32 0.993 57 °C 26 W 26 W 26 W 53 W Electricity 0.00 kW

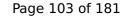
Colder Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	41 dB(A)	41 dB(A)
Sound power level outdoor	67 dB(A)	67 dB(A)



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	Low temperature	Medium temperature
η_{s}	144 %	111 %
Prated	13.89 kW	12.32 kW
SCOP	3.67	2.85
Tbiv	-15 °C	-15 °C
TOL	-15 °C	-15 °C
Pdh Tj = -7°C	8.50 kW	7.49 kW
COP Tj = -7°C	3.35	2.38
Cdh Tj = -7 °C	0.990	0.992
Pdh Tj = +2°C	6.02 kW	5.72 kW
$COP Tj = +2^{\circ}C$	4.86	3.65
Cdh Tj = +2 °C	0.979	0.983
Pdh Tj = +7°C	6.72 kW	6.47 kW
$COP Tj = +7^{\circ}C$	5.66	4.54
Cdh Tj = +7 °C	0.978	0.982
Pdh Tj = 12°C	7.51 kW	7.33 kW
COP Tj = 12°C	6.54	5.61
Cdh Tj = +12 °C	0.977	0.980
Pdh Tj = Tbiv	11.33 kW	10.05 kW
COP Tj = Tbiv	2.61	1.96
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	11.33 kW	10.05 kW





COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.61	1.96
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.994	0.995
WTOL	57 °C	57 °C
Poff	26 W	26 W
РТО	26 W	26 W
PSB	26 W	26 W
PCK	53 W	53 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	13.89 kW	12.32 kW
Annual energy consumption Qhe	9329 kWh	10660 kWh
Pdh Tj = -15°C (if TOL<-20°C)	11.33	10.05
COP Tj = -15°C (if TOL $<$ -20°C)	2.61	1.96
Cdh Tj = -15 °C	0.994	0.995

Average Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	41 dB(A)	41 dB(A)
Sound power level outdoor	67 dB(A)	67 dB(A)



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This information was generated by the HP KEYMARK database on 22 Jun 2022

This information was generated by the HP KEYMARK database on 22 Jun 2		
	Low temperature	Medium temperature
η_s	167 %	129 %
Prated	12.32 kW	11.30 kW
SCOP	4.25	3.29
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	10.78 kW	10.02 kW
$COPTj = -7^{\circ}C$	2.79	2.03
Cdh Tj = -7 °C	0.993	0.995
Pdh Tj = $+2$ °C	6.45 kW	6.06 kW
$COPTj = +2^{\circ}C$	4.45	3.28
Cdh Tj = +2 °C	0.982	0.986
Pdh Tj = +7°C	6.29 kW	6.40 kW
$COP Tj = +7^{\circ}C$	4.93	4.27
Cdh Tj = +7 °C	0.980	0.983
Pdh Tj = 12°C	6.99 kW	7.28 kW
COP Tj = 12°C	5.64	5.09
Cdh Tj = +12 °C	0.979	0.982
Pdh Tj = Tbiv	12.33 kW	11.30 kW
COP Tj = Tbiv	2.48	1.81
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	12.33 kW	11.30 kW



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This information was generated by the HP KEYMARK database on 22 Jun 2022

COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.48	1.81
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.995	0.996
WTOL	57 °C	57 °C
Poff	26 W	26 W
РТО	26 W	26 W
PSB	26 W	26 W
PCK	53 W	53 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	5994 kWh	7088 kWh



Model: Bosch Compress 3000 AWS-13 MS-T

Configure model		
Model name	Bosch Compress 3000 AWS-13 MS-T	
Application	Heating + DHW + low temp	
Units	Indoor + Outdoor	
Climate Zone	Colder Climate + Warmer Climate	
Reversibility	Yes	
Cooling mode application (optional)	n/a	

General Data		
Power supply	3x400V 50Hz	

Heating

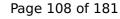
EN 14511-2		
	Low temperature	Medium temperature
Heat output	6.41 kW	14.29 kW
El input	1.32 kW	6.16 kW
СОР	4.85	2.32

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	35 dB(A)	35 dB(A)
Sound power level outdoor	67 dB(A)	67 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{s}	209 %	155 %
Prated	12.67 kW	11.18 kW
SCOP	5.31	3.94
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	12.67 kW	11.18 kW
COP Tj = +2°C	3.32	2.13
Cdh Tj = +2 °C	0.993	0.995
Pdh Tj = +7°C	8.28 kW	7.27 kW
COP Tj = +7°C	4.96	3.48
Cdh Tj = +7 °C	0.984	0.988
Pdh Tj = 12°C	7.50 kW	7.21 kW
COP Tj = 12°C	6.42	5.12
Cdh Tj = +12 °C	0.978	0.982





Pdh Tj = Tbiv	12.67 kW	11.18 kW
COP Tj = Tbiv	3.32	2.13
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	12.67 kW	11.18 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.32	2.13
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.993	0.995
WTOL	57 °C	57 °C
Poff	26 W	26 W
РТО	26 W	26 W
PSB	26 W	26 W
PCK	53 W	53 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	3186 kWh	3787 kWh

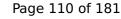
Colder Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	35 dB(A)	35 dB(A)
Sound power level outdoor	67 dB(A)	67 dB(A)



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j	Low temperature	Medium temperature
η_{s}	144 %	111 %
Prated	13.89 kW	12.32 kW
SCOP	3.67	2.85
Tbiv	-15 °C	-15 °C
TOL	-15 °C	-15 °C
Pdh Tj = -7° C	8.50 kW	7.49 kW
COP $Tj = -7$ °C	3.35	2.38
Cdh Tj = -7 °C	0.990	0.992
Pdh Tj = $+2$ °C	6.02 kW	5.72 kW
$COP Tj = +2^{\circ}C$	4.86	3.65
Cdh Tj = +2 °C	0.979	0.983
Pdh Tj = $+7^{\circ}$ C	6.72 kW	6.47 kW
$COPTj = +7^{\circ}C$	5.66	4.54
Cdh Tj = $+7$ °C	0.978	0.982
Pdh Tj = 12°C	7.51 kW	7.33 kW
COP Tj = 12°C	6.54	5.61
Cdh Tj = +12 °C	0.977	0.980
Pdh Tj = Tbiv	11.33 kW	10.05 kW
COP Tj = Tbiv	2.61	1.96
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	11.33 kW	10.05 kW
Tuning - roc or runing - ruesigninin roc < ruesignin	11.33 KVV	10.03 KW





COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.61	1.96
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.994	0.995
WTOL	57 °C	57 °C
Poff	26 W	26 W
РТО	26 W	26 W
PSB	26 W	26 W
PCK	53 W	53 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	13.89 kW	12.32 kW
Annual energy consumption Qhe	9329 kWh	10660 kWh
Pdh Tj = -15°C (if TOL<-20°C)	11.33	10.05
COP Tj = -15°C (if TOL $<$ -20°C)	2.61	1.96
Cdh Tj = -15 °C	0.994	0.995

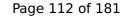
Average Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	35 dB(A)	35 dB(A)
Sound power level outdoor	67 dB(A)	67 dB(A)



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	Low temperature	Medium temperature
η_{s}	167 %	129 %
Prated	12.32 kW	11.30 kW
SCOP	4.25	3.29
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	10.78 kW	10.02 kW
$COP Tj = -7^{\circ}C$	2.79	2.03
Cdh Tj = -7 °C	0.993	0.995
Pdh Tj = $+2$ °C	6.45 kW	6.06 kW
$COPTj = +2^{\circ}C$	4.45	3.28
Cdh Tj = $+2$ °C	0.982	0.986
Pdh Tj = $+7^{\circ}$ C	6.29 kW	6.40 kW
$COPTj = +7^{\circ}C$	4.93	4.27
Cdh Tj = +7 °C	0.980	0.983
Pdh Tj = 12°C	6.99 kW	7.28 kW
COP Tj = 12°C	5.64	5.09
Cdh Tj = +12 °C	0.979	0.982
Pdh Tj = Tbiv	12.33 kW	11.30 kW
COP Tj = Tbiv	2.48	1.81
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	12.33 kW	11.30 kW





COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.48	1.81
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.995	0.996
WTOL	57 °C	57 °C
Poff	26 W	26 W
PTO	26 W	26 W
PSB	26 W	26 W
PCK	53 W	53 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	5994 kWh	7088 kWh

Domestic Hot Water (DHW)

EN 16147		
Declared load profile	L	
Efficiency ηDHW	77 %	
СОР	1.79	
Heating up time	01:02 h:min	
Standby power input	86.5 W	
Reference hot water temperature	50.5 °C	
Mixed water at 40°C	249 I	



Colder Climate

EN 16147		
Declared load profile	L	
Efficiency ηDHW	74 %	
СОР	1.66	
Heating up time	01:05 h:min	
Standby power input	132.6 W	
Reference hot water temperature	50.5 °C	
Mixed water at 40°C	253 I	

Average Climate

EN 16147		
Declared load profile	L	
Efficiency ηDHW	75 %	
СОР	1.74	
Heating up time	01:18 h:min	
Standby power input	85.7 W	
Reference hot water temperature	51.1 °C	
Mixed water at 40°C	236 I	

Model: Bosch Compress 3000 AWS-13 M-T

Configure model		
Model name	Bosch Compress 3000 AWS-13 M-T	
Application	Heating + DHW + low temp	
Units	Indoor + Outdoor	
Climate Zone	Colder Climate + Warmer Climate	
Reversibility	Yes	
Cooling mode application (optional)	n/a	

General Data		
Power supply	3x400V 50Hz	

Heating

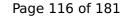
EN 14511-2		
	Low temperature	Medium temperature
Heat output	6.41 kW	14.29 kW
El input	1.32 kW	6.16 kW
СОР	4.85	2.32

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	35 dB(A)	35 dB(A)
Sound power level outdoor	67 dB(A)	67 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{s}	209 %	155 %
Prated	12.67 kW	11.18 kW
SCOP	5.31	3.94
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = $+2$ °C	12.67 kW	11.18 kW
COP Tj = +2°C	3.32	2.13
Cdh Tj = +2 °C	0.993	0.995
Pdh Tj = $+7^{\circ}$ C	8.28 kW	7.27 kW
$COP Tj = +7^{\circ}C$	4.96	3.48
Cdh Tj = +7 °C	0.984	0.988
Pdh Tj = 12°C	7.50 kW	7.21 kW
COP Tj = 12°C	6.42	5.12
Cdh Tj = +12 °C	0.978	0.982





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Pdh Tj = Tbiv	12.67 kW	11.18 kW
COP Tj = Tbiv	3.32	2.13
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	12.67 kW	11.18 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.32	2.13
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.993	0.995
WTOL	57 °C	57 °C
Poff	26 W	26 W
РТО	26 W	26 W
PSB	26 W	26 W
PCK	53 W	53 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	3186 kWh	3787 kWh

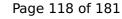
Colder Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	35 dB(A)	35 dB(A)
Sound power level outdoor	67 dB(A)	67 dB(A)



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	Low temperature	Medium temperature
η_{s}	144 %	111 %
Prated	13.89 kW	12.32 kW
SCOP	3.67	2.85
Tbiv	-15 °C	-15 °C
TOL	-15 °C	-15 °C
Pdh Tj = -7°C	8.50 kW	7.49 kW
COP Tj = -7°C	3.35	2.38
Cdh Tj = -7 °C	0.990	0.992
Pdh Tj = +2°C	6.02 kW	5.72 kW
COP Tj = +2°C	4.86	3.65
Cdh Tj = +2 °C	0.979	0.983
Pdh Tj = +7°C	6.72 kW	6.47 kW
$COP Tj = +7^{\circ}C$	5.66	4.54
Cdh Tj = +7 °C	0.978	0.982
Pdh Tj = 12°C	7.51 kW	7.33 kW
COP Tj = 12°C	6.54	5.61
Cdh Tj = +12 °C	0.977	0.980
Pdh Tj = Tbiv	11.33 kW	10.05 kW
COP Tj = Tbiv	2.61	1.96
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	11.33 kW	10.05 kW





2.61	1.96
0.994	0.995
57 °C	57 °C
26 W	26 W
26 W	26 W
26 W	26 W
53 W	53 W
Electricity	Electricity
13.89 kW	12.32 kW
9329 kWh	10660 kWh
11.33	1.96
2.61	1.96
0.994	0.995
	0.994 57 °C 26 W 26 W 53 W Electricity 13.89 kW 9329 kWh 11.33 2.61

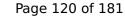
Average Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	35 dB(A)	35 dB(A)
Sound power level outdoor	67 dB(A)	67 dB(A)



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	Low temperature	Medium temperature
η_{S}	167 %	129 %
Prated	12.32 kW	11.30 kW
SCOP	4.25	3.29
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7 °C	10.78 kW	10.02 kW
$COP Tj = -7^{\circ}C$	2.79	2.03
Cdh Tj = -7 °C	0.993	0.995
Pdh Tj = $+2$ °C	6.45 kW	6.06 kW
COP Tj = +2°C	4.45	3.28
Cdh Tj = +2 °C	0.982	0.986
Pdh Tj = $+7^{\circ}$ C	6.29 kW	6.40 kW
$COP Tj = +7^{\circ}C$	4.93	4.27
Cdh Tj = $+7$ °C	0.980	0.983
Pdh Tj = 12°C	6.99 kW	7.28 kW
COP Tj = 12°C	5.64	5.09
Cdh Tj = +12 °C	0.979	0.982
Pdh Tj = Tbiv	12.33 kW	11.30 kW
COP Tj = Tbiv	2.48	1.81
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	12.33 kW	11.30 kW





COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.48	1.81
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.995	0.996
WTOL	57 °C	57 °C
Poff	26 W	26 W
РТО	26 W	26 W
PSB	26 W	26 W
PCK	53 W	53 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	5994 kWh	7088 kWh

Domestic Hot Water (DHW)

EN 16147		
Declared load profile	L	
Efficiency ηDHW	87 %	
СОР	2.03	
Heating up time	01:03 h:min	
Standby power input	70.0 W	
Reference hot water temperature	51.5 °C	
Mixed water at 40°C	254 I	



Colder Climate

EN 16147		
Declared load profile	L	
Efficiency ηDHW	75 %	
СОР	1.69	
Heating up time	01:32 h:min	
Standby power input	130.0 W	
Reference hot water temperature	52.1 °C	
Mixed water at 40°C	258 I	

Average Climate

EN 16147		
Declared load profile	L	
Efficiency ηDHW	82 %	
COP	1.89	
Heating up time	01:20 h:min	
Standby power input	80.0 W	
Reference hot water temperature	52.1 °C	
Mixed water at 40°C	251 I	



Model: Bosch Compress 3000 AWS-15 B-S

Configure model		
Model name Bosch Compress 3000 AWS-15 B-S		
Application	Heating (medium temp)	
Units Indoor + Outdoor		
Climate Zone Colder Climate + Warmer Climate		
Reversibility	Yes	
Cooling mode application (optional)	n/a	

General Data		
Power supply	1x230V 50Hz	

Heating

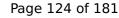
EN 14511-2				
Low temperature Medium temperature				
Heat output	6.48 kW	15.30 kW		
El input	1.32 kW	6.74 kW		
СОР	4.92	2.27		

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	67 dB(A)	67 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{s}	225 %	143 %
Prated	12.36 kW	7.51 kW
SCOP	5.71	3.65
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = $+2$ °C	12.37 kW	7.55 kW
COP Tj = +2°C	3.20	1.37
Cdh Tj = +2 °C	0.998	0.999
Pdh Tj = $+7^{\circ}$ C	7.83 kW	5.48 kW
$COP Tj = +7^{\circ}C$	5.46	3.22
Cdh Tj = +7 °C	0.995	0.996
Pdh Tj = 12°C	7.66 kW	7.04 kW
COP Tj = 12°C	6.64	4.96
Cdh Tj = +12 °C	0.994	0.995





Pdh Tj = Tbiv	12.37 kW	7.55 kW
COP Tj = Tbiv	3.20	1.37
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	12.37 kW	7.55 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.20	1.37
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.998	0.999
WTOL	57 °C	57 °C
Poff	7 W	7 W
РТО	7 W	7 W
PSB	7 W	7 W
PCK	35 W	35 W
Supplementary Heater: Type of energy input	n/a	
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	2893 kWh	2746 kWh

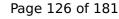
Colder Climate

EN 12102-1			
	Low temperature	Medium temperature	
Sound power level indoor	41 dB(A)	41 dB(A)	
Sound power level outdoor	67 dB(A)	67 dB(A)	



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	Low temperature	Medium temperature
η_{s}	141 %	111 %
Prated	13.42 kW	12.18 kW
SCOP	3.60	2.86
Tbiv	-15 °C	-15 °C
TOL	-15 °C	-15 °C
Pdh Tj = -7°C	8.07 kW	7.22 kW
COP Tj = -7°C	3.21	2.43
Cdh Tj = -7 °C	0.997	0.998
Pdh Tj = +2°C	5.95 kW	5.16 kW
$COPTj = +2^{\circ}C$	5.12	3.65
Cdh Tj = +2 °C	0.994	0.995
Pdh Tj = +7°C	6.07 kW	6.54 kW
$COP Tj = +7^{\circ}C$	4.80	4.74
Cdh Tj = +7 °C	0.994	0.995
Pdh Tj = 12°C	6.43 kW	6.93 kW
COP Tj = 12°C	4.83	4.99
Cdh Tj = +12 °C	0.995	0.995
Pdh Tj = Tbiv	10.95 kW	9.94 kW
COP Tj = Tbiv	2.36	1.75
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	10.95 kW	9.94 kW





2.36	1.75
0.998	0.999
57 °C	57 °C
7 W	7 W
7 W	7 W
7 W	7 W
35 W	35 W
n/a	
0.00 kW	0.00 kW
9181 kWh	10512 kWh
10.95	9.94
2.36	1.75
0.998	0.999
	0.998 57 °C 7 W 7 W 7 W 35 W n/a 0.00 kW 9181 kWh 10.95 2.36

Average Climate

EN 12102-1			
	Low temperature	Medium temperature	
Sound power level indoor	41 dB(A)	41 dB(A)	
Sound power level outdoor	67 dB(A)	67 dB(A)	



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	Low temperature	Medium temperature
η_{s}	171 %	134 %
Prated	13.04 kW	11.50 kW
SCOP	4.35	3.43
Tbiv	-10 °C	-9 °C
TOL	-10 °C	-9 °C
Pdh Tj = -7° C	10.79 kW	10.00 kW
$COP Tj = -7^{\circ}C$	2.74	1.96
Cdh Tj = -7 °C	0.998	0.999
Pdh Tj = $+2$ °C	6.91 kW	6.01 kW
COP Tj = +2°C	4.30	3.47
Cdh Tj = +2 °C	0.996	0.996
Pdh Tj = $+7^{\circ}$ C	6.61 kW	6.56 kW
$COP Tj = +7^{\circ}C$	5.49	4.55
Cdh Tj = $+7$ °C	0.994	0.995
Pdh Tj = 12°C	7.60 kW	7.24 kW
COP Tj = 12°C	6.62	5.20
Cdh Tj = +12 °C	0.994	0.995
Pdh Tj = Tbiv	13.05 kW	11.07 kW
COP Tj = Tbiv	2.60	1.72
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	13.05 kW	11.07 kW



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This information was generated by the HP KEYMARK database on 22 Jun 2022

COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.60	1.72
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.999	0.999
WTOL	57 °C	57 °C
Poff	7 W	7 W
РТО	7 W	7 W
PSB	7 W	7 W
PCK	35 W	35 W
Supplementary Heater: Type of energy input	n/a	
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	6194 kWh	6924 kWh



Model: Bosch Compress 3000 AWS-15 E-S

Configure model		
Model name Bosch Compress 3000 AWS-15 E-S		
Application	Heating (medium temp)	
Units	Indoor + Outdoor	
Climate Zone	Colder Climate + Warmer Climate	
Reversibility	Yes	
Cooling mode application (optional)	n/a	

General Data		
Power supply 3x400V 50Hz		

Heating

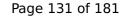
EN 14511-2		
	Low temperature	Medium temperature
Heat output	6.48 kW	15.30 kW
El input	1.32 kW	6.74 kW
СОР	4.92	2.27

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	67 dB(A)	67 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{s}	225 %	143 %
Prated	12.36 kW	7.51 kW
SCOP	5.71	3.65
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = $+2$ °C	12.37 kW	7.55 kW
COP Tj = +2°C	3.20	1.37
Cdh Tj = +2 °C	0.998	0.999
Pdh Tj = $+7^{\circ}$ C	7.83 kW	5.48 kW
COP Tj = +7°C	5.46	3.22
Cdh Tj = +7 °C	0.995	0.996
Pdh Tj = 12°C	7.66 kW	7.04 kW
COP Tj = 12°C	6.64	4.96
Cdh Tj = +12 °C	0.994	0.995





Pdh Tj = Tbiv	12.37 kW	7.55 kW
COP Tj = Tbiv	3.20	1.37
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	12.37 kW	7.55 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.20	1.37
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.998	0.999
WTOL	57 °C	57 °C
Poff	7 W	7 W
РТО	7 W	7 W
PSB	7 W	7 W
PCK	35 W	35 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	2893 kWh	2746 kWh

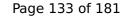
Colder Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	41 dB(A)	41 dB(A)
Sound power level outdoor	67 dB(A)	67 dB(A)



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This information was generated by the HP KEYMARK database on 22 Jun 2022

Low temperature 141 %	Medium temperature
141 %	
	111 %
13.42 kW	12.18 kW
3.60	2.86
-15 °C	-15 °C
-15 °C	-15 °C
8.07 kW	7.22 kW
3.21	2.43
0.997	0.998
5.95 kW	5.16 kW
5.12	3.65
0.994	0.995
6.07 kW	6.54 kW
4.80	4.74
0.994	0.995
6.43 kW	6.93 kW
4.83	4.99
0.995	0.995
10.95 kW	9.94 kW
2.36	1.75
10.95 kW	9.94 kW
	-15 °C -15 °C 8.07 kW 3.21 0.997 5.95 kW 5.12 0.994 6.07 kW 4.80 0.994 6.43 kW 4.83 0.995 10.95 kW





COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.36	1.75
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.998	0.999
WTOL	57 °C	57 °C
Poff	7 W	7 W
РТО	7 W	7 W
PSB	7 W	7 W
PCK	35 W	35 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	13.42 kW	12.18 kW
Annual energy consumption Qhe	9181 kWh	10512 kWh
Pdh Tj = -15°C (if TOL<-20°C)	10.95	9.94
COP Tj = -15°C (if TOL $<$ -20°C)	2.36	1.75
Cdh Tj = -15 °C	0.998	0.999

Average Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	41 dB(A)	41 dB(A)
Sound power level outdoor	67 dB(A)	67 dB(A)



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This information was generated by the HP KEYMARK database on 22 Jun 2022

	Low temperature	Medium temperature
η_{s}	171 %	134 %
Prated	13.04 kW	11.50 kW
SCOP	4.35	3.43
Tbiv	-10 °C	-9 °C
TOL	-10 °C	-9 °C
Pdh Tj = -7°C	10.79 kW	10.00 kW
COP Tj = -7°C	2.74	1.96
Cdh Tj = -7 °C	0.998	0.999
Pdh Tj = $+2$ °C	6.91 kW	6.01 kW
$COP Tj = +2^{\circ}C$	4.30	3.47
Cdh Tj = +2 °C	0.996	0.996
Pdh Tj = $+7^{\circ}$ C	6.61 kW	6.56 kW
$COPTj = +7^{\circ}C$	5.49	4.55
Cdh Tj = +7 °C	0.994	0.995
Pdh Tj = 12°C	7.60 kW	7.24 kW
COP Tj = 12°C	6.62	5.20
Cdh Tj = +12 °C	0.994	0.995
Pdh Tj = Tbiv	13.05 kW	11.07 kW
COP Tj = Tbiv	2.60	1.72
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	13.05 kW	11.07 kW



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This information was generated by the HP KEYMARK database on 22 Jun 2022

COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.60	1.72
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.999	0.999
WTOL	57 °C	57 °C
Poff	7 W	7 W
РТО	7 W	7 W
PSB	7 W	7 W
PCK	35 W	35 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	11.50 kW
Annual energy consumption Qhe	6194 kWh	6924 kWh



Model: Bosch Compress 3000 AWS-15 M-S

Configure model		
Model name	Bosch Compress 3000 AWS-15 M-S	
Application	Heating + DHW + low temp	
Units	Indoor + Outdoor	
Climate Zone	Colder Climate + Warmer Climate	
Reversibility	Yes	
Cooling mode application (optional)	n/a	

General Data		
Power supply	3x400V 50Hz	

Heating

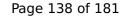
EN 14511-2		
	Low temperature	Medium temperature
Heat output	6.48 kW	15.30 kW
El input	1.32 kW	6.74 kW
СОР	4.92	2.27

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	35 dB(A)	35 dB(A)
Sound power level outdoor	67 dB(A)	67 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{s}	225 %	143 %
Prated	12.36 kW	7.51 kW
SCOP	5.71	3.65
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	12.37 kW	7.55 kW
COP Tj = +2°C	3.20	1.37
Cdh Tj = +2 °C	0.998	0.999
Pdh Tj = +7°C	7.83 kW	5.48 kW
COP Tj = +7°C	5.46	3.22
Cdh Tj = +7 °C	0.995	0.996
Pdh Tj = 12°C	7.66 kW	7.04 kW
COP Tj = 12°C	6.64	4.96
Cdh Tj = +12 °C	0.994	0.995





Pdh Tj = Tbiv	12.37 kW	7.55 kW
COP Tj = Tbiv	3.20	1.37
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	12.37 kW	7.55 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.20	1.37
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.998	0.999
WTOL	57 °C	57 °C
Poff	7 W	7 W
РТО	7 W	7 W
PSB	7 W	7 W
PCK	35 W	35 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	2893 kWh	2746 kWh

Colder Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	35 dB(A)	35 dB(A)
Sound power level outdoor	67 dB(A)	67 dB(A)



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This information was generated by the HP KEYMARK database on 22 Jun 2022

This information was gene	Low temperature	Medium temperature
η_{S}	141 %	111 %
Prated	13.42 kW	12.18 kW
SCOP	3.60	2.86
Tbiv	-15 °C	-15 °C
TOL	-15 °C	-15 °C
Pdh Tj = -7° C	8.07 kW	7.22 kW
COP Tj = -7 °C	3.21	2.43
Cdh Tj = -7 °C	0.997	0.998
Pdh Tj = $+2$ °C	5.95 kW	5.16 kW
$COP Tj = +2^{\circ}C$	5.12	3.65
Cdh Tj = +2 °C	0.994	0.995
Pdh Tj = $+7^{\circ}$ C	6.07 kW	6.54 kW
$COP Tj = +7^{\circ}C$	4.80	4.74
Cdh Tj = $+7$ °C	0.994	0.995
Pdh Tj = 12°C	6.43 kW	6.93 kW
COP Tj = 12°C	4.83	4.99
Cdh Tj = +12 °C	0.995	0.995
Pdh Tj = Tbiv	10.95 kW	9.94 kW
COP Tj = Tbiv	2.36	1.75
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	10.95 kW	9.94 kW





COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.36	1.75
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.998	0.999
WTOL	57 °C	57 °C
Poff	7 W	7 W
РТО	7 W	7 W
PSB	7 W	7 W
PCK	35 W	35 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	13.42 kW	12.18 kW
Annual energy consumption Qhe	9181 kWh	10512 kWh
Pdh Tj = -15°C (if TOL<-20°C)	10.95	1.75
COP Tj = -15°C (if TOL $<$ -20°C)	2.36	1.75
Cdh Tj = -15 °C	0.998	0.999

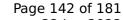
Average Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	35 dB(A)	35 dB(A)
Sound power level outdoor	67 dB(A)	67 dB(A)



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	Low temperature	Medium temperature
η_{s}	171 %	134 %
Prated	13.04 kW	11.50 kW
SCOP	4.35	3.43
Tbiv	-10 °C	-9 °C
TOL	-10 °C	-9 °C
Pdh Tj = -7° C	10.79 kW	10.00 kW
$COP Tj = -7^{\circ}C$	2.74	1.96
Cdh Tj = -7 °C	0.998	0.999
Pdh Tj = $+2$ °C	6.91 kW	6.01 kW
COP Tj = +2°C	4.30	3.47
Cdh Tj = +2 °C	0.996	0.996
Pdh Tj = $+7^{\circ}$ C	6.61 kW	6.56 kW
$COP Tj = +7^{\circ}C$	5.49	4.55
Cdh Tj = $+7$ °C	0.994	0.995
Pdh Tj = 12°C	7.60 kW	7.24 kW
COP Tj = 12°C	6.62	5.20
Cdh Tj = +12 °C	0.994	0.995
Pdh Tj = Tbiv	13.05 kW	11.07 kW
COP Tj = Tbiv	2.60	1.72
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	13.05 kW	11.07 kW





COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.60	1.72
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.999	0.999
WTOL	57 °C	57 °C
Poff	7 W	7 W
РТО	7 W	7 W
PSB	7 W	7 W
PCK	35 W	35 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	11.50 kW
Annual energy consumption Qhe	6194 kWh	6924 kWh

Domestic Hot Water (DHW)

EN 16147		
Declared load profile	L	
Efficiency ηDHW	108 %	
СОР	2.52	
Heating up time	01:01 h:min	
Standby power input	55.0 W	
Reference hot water temperature	51.3 °C	
Mixed water at 40°C	253 I	



Colder Climate

EN 16147		
Declared load profile	L	
Efficiency ηDHW	69 %	
СОР	1.57	
Heating up time	01:29 h:min	
Standby power input	114.0 W	
Reference hot water temperature	52.1 °C	
Mixed water at 40°C	258 I	

Average Climate

EN 16147		
Declared load profile	L	
Efficiency ηDHW	82 %	
СОР	1.92	
Heating up time	01:38 h:min	
Standby power input	70.0 W	
Reference hot water temperature	52.3 °C	
Mixed water at 40°C	267 I	

Model: Bosch Compress 3000 AWS-15 MS-S

Configure model		
Model name	Bosch Compress 3000 AWS-15 MS-S	
Application	Heating + DHW + low temp	
Units	Indoor + Outdoor	
Climate Zone	Colder Climate + Warmer Climate	
Reversibility	Yes	
Cooling mode application (optional)	n/a	

General Data		
Power supply	3x400V 50Hz	

Heating

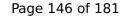
EN 14511-2		
	Low temperature	Medium temperature
Heat output	6.48 kW	15.30 kW
El input	1.32 kW	6.74 kW
СОР	4.92	2.27

EN 14511-4	
Chutting off the heat transfer medium flow	nassad
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	35 dB(A)	35 dB(A)
Sound power level outdoor	67 dB(A)	67 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{s}	225 %	143 %
Prated	12.36 kW	7.51 kW
SCOP	5.71	3.65
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = $+2$ °C	12.37 kW	7.55 kW
COP Tj = +2°C	3.20	1.37
Cdh Tj = +2 °C	0.998	0.999
Pdh Tj = $+7^{\circ}$ C	7.83 kW	5.48 kW
COP Tj = +7°C	5.46	3.22
Cdh Tj = +7 °C	0.995	0.996
Pdh Tj = 12°C	7.66 kW	7.04 kW
COP Tj = 12°C	6.64	4.96
Cdh Tj = +12 °C	0.994	0.995





12.37 kW	7.55 kW
3.20	1.37
12.37 kW	7.55 kW
3.20	1.37
0.998	0.999
57 °C	57 °C
7 W	7 W
7 W	7 W
7 W	7 W
35 W	35 W
Electricity	Electricity
0.00 kW	0.00 kW
2893 kWh	2746 kWh
	3.20 12.37 kW 3.20 0.998 57 °C 7 W 7 W 7 W 35 W Electricity 0.00 kW

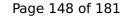
Colder Climate

EN 12102-1			
	Low temperature	Medium temperature	
Sound power level indoor	35 dB(A)	35 dB(A)	
Sound power level outdoor	67 dB(A)	67 dB(A)	



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This information was generated by the HP KEYMARK database on 22 Jun 2022

	Low temperature	Medium temperature
η_{s}	141 %	111 %
Prated	13.42 kW	12.18 kW
SCOP	3.60	2.86
Tbiv	-15 °C	-15 °C
TOL	-15 °C	-15 °C
Pdh Tj = -7°C	8.07 kW	7.22 kW
COP Tj = -7°C	3.21	2.43
Cdh Tj = -7 °C	0.997	0.998
Pdh Tj = +2°C	5.95 kW	5.16 kW
$COPTj = +2^{\circ}C$	5.12	3.65
Cdh Tj = +2 °C	0.994	0.995
Pdh Tj = +7°C	6.07 kW	6.54 kW
$COPTj = +7^{\circ}C$	4.80	4.74
Cdh Tj = +7 °C	0.994	0.995
Pdh Tj = 12°C	6.43 kW	6.93 kW
COP Tj = 12°C	4.83	4.99
Cdh Tj = +12 °C	0.995	0.995
Pdh Tj = Tbiv	10.95 kW	9.94 kW
COP Tj = Tbiv	2.36	1.75
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	10.95 kW	9.94 kW





COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.36	1.75
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.998	0.999
WTOL	57 °C	57 °C
Poff	7 W	7 W
РТО	7 W	7 W
PSB	7 W	7 W
PCK	35 W	35 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	13.42 kW	12.18 kW
Annual energy consumption Qhe	9181 kWh	10512 kWh
Pdh Tj = -15°C (if TOL<-20°C)	10.95	9.94
COP Tj = -15°C (if TOL $<$ -20°C)	2.36	1.75
Cdh Tj = -15 °C	0.998	0.999

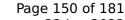
Average Climate

EN 12102-1			
	Low temperature	Medium temperature	
Sound power level indoor	35 dB(A)	35 dB(A)	
Sound power level outdoor	67 dB(A)	67 dB(A)	



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	Low temperature	Medium temperature
η_{S}	171 %	134 %
Prated	13.04 kW	11.50 kW
SCOP	4.35	3.43
Tbiv	-10 °C	-9 °C
TOL	-10 °C	-9 °C
Pdh Tj = -7 °C	10.79 kW	10.00 kW
COP Tj = -7° C	2.74	1.96
Cdh Tj = -7 °C	0.998	0.999
Pdh Tj = $+2$ °C	6.91 kW	6.01 kW
$COPTj = +2^{\circ}C$	4.30	3.47
Cdh Tj = $+2$ °C	0.996	0.996
Pdh Tj = $+7^{\circ}$ C	6.61 kW	6.56 kW
$COPTj = +7^{\circ}C$	5.49	4.55
Cdh Tj = $+7$ °C	0.994	0.995
Pdh Tj = 12°C	7.60 kW	7.24 kW
COP Tj = 12°C	6.62	5.20
Cdh Tj = +12 °C	0.994	0.995
Pdh Tj = Tbiv	13.05 kW	11.07 kW
COP Tj = Tbiv	2.60	1.72
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	13.05 kW	11.07 kW





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COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.60	1.72
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.999	0.999
WTOL	57 °C	57 °C
Poff	7 W	7 W
PTO	7 W	7 W
PSB	7 W	7 W
PCK	35 W	35 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	11.50 kW
Annual energy consumption Qhe	6194 kWh	6924 kWh

Domestic Hot Water (DHW)

Warmer Climate

EN 16147		
Declared load profile	L	
Efficiency ηDHW	95 %	
СОР	2.22	
Heating up time	01:00 h:min	
Standby power input	68.0 W	
Reference hot water temperature	50.3 °C	
Mixed water at 40°C	248	



Colder Climate

EN 16147		
Declared load profile	L	
Efficiency ηDHW	67 %	
СОР	1.54	
Heating up time	01:04 h:min	
Standby power input	116.3 W	
Reference hot water temperature	50.6 °C	
Mixed water at 40°C	253 I	

Average Climate

EN 16147		
Declared load profile	L	
Efficiency ηDHW	76 %	
СОР	1.76	
Heating up time	01:36 h:min	
Standby power input	75.0 W	
Reference hot water temperature	51.2 °C	
Mixed water at 40°C	251 l	



Model: Bosch Compress 3000 AWS-15 B-T

Configure model		
Model name	Bosch Compress 3000 AWS-15 B-T	
Application	Heating (medium temp)	
Units	Indoor + Outdoor	
Climate Zone	Colder Climate + Warmer Climate	
Reversibility	Yes	
Cooling mode application (optional)	n/a	

General Data		
Power supply 1x230V 50Hz		

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	6.41 kW	15.10 kW
El input	1.32 kW	6.64 kW
СОР	4.85	2.27

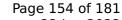
EN 14511-4	
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

Warmer Climate



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	41 dB(A)	41 dB(A)
Sound power level outdoor	67 dB(A)	67 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{s}	209 %	155 %
Prated	12.67 kW	11.18 kW
SCOP	5.31	3.94
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	12.67 kW	11.18 kW
COP Tj = +2°C	3.32	2.13
Cdh Tj = +2 °C	0.993	0.995
Pdh Tj = $+7^{\circ}$ C	8.28 kW	7.27 kW
COP Tj = +7°C	4.96	3.48
Cdh Tj = +7 °C	0.984	0.988
Pdh Tj = 12°C	7.50 kW	7.21 kW
COP Tj = 12°C	6.42	5.12
Cdh Tj = +12 °C	0.978	0.982





12.67 kW	11.18 kW
3.32	2.13
12.67 kW	11.18 kW
3.32	2.13
0.993	0.995
57 °C	57 °C
26 W	26 W
26 W	26 W
26 W	26 W
53 W	53 W
n/a	
0.00 kW	0.00 kW
3186 kWh	3787 kWh
	3.32 12.67 kW 3.32 0.993 57 °C 26 W 26 W 53 W n/a 0.00 kW

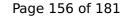
Colder Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	41 dB(A)	41 dB(A)
Sound power level outdoor	67 dB(A)	67 dB(A)



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	Low temperature	Medium temperature
η_{s}	144 %	111 %
Prated	13.89 kW	12.32 kW
SCOP	3.67	2.85
Tbiv	-15 °C	-15 °C
TOL	-15 °C	-15 °C
Pdh Tj = -7°C	8.50 kW	7.49 kW
COP Tj = -7°C	3.35	2.38
Cdh Tj = -7 °C	0.990	0.992
Pdh Tj = +2°C	6.02 kW	5.72 kW
COP Tj = +2°C	4.86	3.65
Cdh Tj = +2 °C	0.979	0.983
Pdh Tj = +7°C	6.72 kW	6.47 kW
$COP Tj = +7^{\circ}C$	5.66	4.54
Cdh Tj = +7 °C	0.978	0.982
Pdh Tj = 12°C	7.51 kW	7.33 kW
COP Tj = 12°C	6.54	5.61
Cdh Tj = +12 °C	0.977	0.980
Pdh Tj = Tbiv	11.33 kW	10.05 kW
COP Tj = Tbiv	2.61	1.96
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	11.33 kW	10.05 kW





COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.61	1.96
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.994	0.995
WTOL	57 °C	57 °C
Poff	26 W	26 W
PTO	26 W	26 W
PSB	26 W	26 W
PCK	53 W	53 W
Supplementary Heater: Type of energy input	n/a	
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	9329 kWh	10660 kWh
Pdh Tj = -15°C (if TOL<-20°C)	11.33	10.05
COP Tj = -15°C (if TOL $<$ -20°C)	2.61	1.96
Cdh Tj = -15 °C	0.994	0.995

Average Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	41 dB(A)	41 dB(A)
Sound power level outdoor	67 dB(A)	67 dB(A)



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	Low temperature	Medium temperature
η_{s}	167 %	129 %
Prated	12.32 kW	11.30 kW
SCOP	4.25	3.29
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	10.78 kW	10.02 kW
$COP Tj = -7^{\circ}C$	2.79	2.03
Cdh Tj = -7 °C	0.993	0.995
Pdh Tj = $+2$ °C	6.45 kW	6.06 kW
COP Tj = +2°C	4.45	3.28
Cdh Tj = +2 °C	0.982	0.986
Pdh Tj = $+7^{\circ}$ C	6.29 kW	6.40 kW
$COPTj = +7^{\circ}C$	4.93	4.27
Cdh Tj = +7 °C	0.980	0.983
Pdh Tj = 12°C	6.99 kW	7.28 kW
COP Tj = 12°C	5.64	5.09
Cdh Tj = +12 °C	0.979	0.982
Pdh Tj = Tbiv	12.33 kW	11.30 kW
COP Tj = Tbiv	2.48	1.81
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	12.33 kW	11.30 kW



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COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.48	1.81
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.995	0.996
WTOL	57 °C	57 °C
Poff	26 W	26 W
PTO	26 W	26 W
PSB	26 W	26 W
PCK	53 W	53 W
Supplementary Heater: Type of energy input	n/a	
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	5994 kWh	7088 kWh



Model: Bosch Compress 3000 AWS-15 E-T

Configure model		
Model name	Bosch Compress 3000 AWS-15 E-T	
Application	Heating (medium temp)	
Units	Indoor + Outdoor	
Climate Zone	Colder Climate + Warmer Climate	
Reversibility	Yes	
Cooling mode application (optional)	n/a	

General Data		
Power supply	3x400V 50Hz	

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	6.41 kW	15.10 kW
El input	1.32 kW	6.64 kW
СОР	4.85	2.27

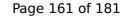
EN 14511-4		
Shutting off the heat transfer medium flow	passed	
Complete power supply failure	passed	
Defrost test	passed	
Starting and operating test	passed	

Warmer Climate



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	41 dB(A)	41 dB(A)
Sound power level outdoor	67 dB(A)	67 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{s}	209 %	155 %
Prated	12.67 kW	11.18 kW
SCOP	5.31	3.94
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = $+2$ °C	12.67 kW	11.18 kW
COP Tj = +2°C	3.32	2.13
Cdh Tj = +2 °C	0.993	0.995
Pdh Tj = $+7^{\circ}$ C	8.28 kW	7.27 kW
$COP Tj = +7^{\circ}C$	4.96	3.48
Cdh Tj = +7 °C	0.984	0.988
Pdh Tj = 12°C	7.50 kW	7.21 kW
COP Tj = 12°C	6.42	5.12
Cdh Tj = +12 °C	0.978	0.982





Pdh Tj = Tbiv	12.67 kW	11.18 kW
COP Tj = Tbiv	3.32	2.13
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	12.67 kW	11.18 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.32	2.13
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.993	0.995
WTOL	57 °C	57 °C
Poff	26 W	26 W
РТО	26 W	26 W
PSB	26 W	26 W
PCK	53 W	53 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	3186 kWh	3787 kWh

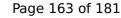
Colder Climate

EN 12102-1			
	Low temperature	Medium temperature	
Sound power level indoor	41 dB(A)	41 dB(A)	
Sound power level outdoor	67 dB(A)	67 dB(A)	



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	Low temperature	Medium temperature
η_{s}	144 %	111 %
Prated	13.89 kW	12.32 kW
SCOP	3.67	2.85
Tbiv	-15 °C	-15 °C
TOL	-15 °C	-15 °C
Pdh Tj = -7°C	8.50 kW	7.49 kW
COP Tj = -7°C	3.35	2.38
Cdh Tj = -7 °C	0.990	0.992
Pdh Tj = +2°C	6.02 kW	5.72 kW
COP Tj = +2°C	4.86	3.65
Cdh Tj = +2 °C	0.979	0.983
Pdh Tj = +7°C	6.72 kW	6.47 kW
$COP Tj = +7^{\circ}C$	5.66	4.54
Cdh Tj = +7 °C	0.978	0.982
Pdh Tj = 12°C	7.51 kW	7.33 kW
COP Tj = 12°C	6.54	5.61
Cdh Tj = +12 °C	0.977	0.980
Pdh Tj = Tbiv	11.33 kW	10.05 kW
COP Tj = Tbiv	2.61	1.96
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	11.33 kW	10.05 kW





COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.61	1.96
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.994	0.995
WTOL	57 °C	57 °C
Poff	26 W	26 W
РТО	26 W	26 W
PSB	26 W	26 W
PCK	53 W	53 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	13.89 kW	12.32 kW
Annual energy consumption Qhe	9329 kWh	10660 kWh
Pdh Tj = -15°C (if TOL<-20°C)	11.33	10.05
COP Tj = -15°C (if TOL $<$ -20°C)	2.61	1.96
Cdh Tj = -15 °C	0.994	0.995

Average Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	41 dB(A)	41 dB(A)
Sound power level outdoor	67 dB(A)	67 dB(A)



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	Low temperature	Medium temperature
η_{s}	167 %	129 %
Prated	12.32 kW	11.30 kW
SCOP	4.25	3.29
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	10.78 kW	10.02 kW
COP Tj = -7°C	2.79	2.03
Cdh Tj = -7 °C	0.993	0.995
Pdh Tj = $+2$ °C	6.45 kW	6.06 kW
$COP Tj = +2^{\circ}C$	4.45	3.28
Cdh Tj = +2 °C	0.982	0.986
Pdh Tj = $+7$ °C	6.29 kW	6.40 kW
$COPTj = +7^{\circ}C$	4.93	4.27
Cdh Tj = +7 °C	0.980	0.983
Pdh Tj = 12°C	6.99 kW	7.28 kW
COP Tj = 12°C	5.64	5.09
Cdh Tj = +12 °C	0.979	0.982
Pdh Tj = Tbiv	12.33 kW	11.30 kW
COP Tj = Tbiv	2.48	1.81
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	12.33 kW	11.30 kW



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COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.48	1.81
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.995	0.996
WTOL	57 °C	57 °C
Poff	26 W	26 W
РТО	26 W	26 W
PSB	26 W	26 W
PCK	53 W	53 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	5994 kWh	7088 kWh



Model: Bosch Compress 3000 AWS-15 M-T

Configure model		
Model name Bosch Compress 3000 AWS-15 M-T		
Application	Heating + DHW + low temp	
Units	Indoor + Outdoor	
Climate Zone	Colder Climate + Warmer Climate	
Reversibility	Yes	
Cooling mode application (optional)	n/a	

General Data		
Power supply	3x400V 50Hz	

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	6.41 kW	15.10 kW
El input	1.32 kW	6.64 kW
СОР	4.85	2.27

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	35 dB(A)	35 dB(A)
Sound power level outdoor	67 dB(A)	67 dB(A)

EN 14825		
Low temperature	Medium temperature	
209 %	155 %	
12.67 kW	11.18 kW	
5.31	3.94	
2 °C	2 °C	
2 °C	2 °C	
12.67 kW	11.18 kW	
3.32	2.13	
0.993	0.995	
8.28 kW	7.27 kW	
4.96	3.48	
0.984	0.988	
7.50 kW	7.21 kW	
6.42	5.12	
0.978	0.982	
	Low temperature 209 % 12.67 kW 5.31 2 °C 2 °C 12.67 kW 3.32 0.993 8.28 kW 4.96 0.984 7.50 kW 6.42	





Pdh Tj = Tbiv	12.67 kW	11.18 kW
COP Tj = Tbiv	3.32	2.13
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	12.67 kW	11.18 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.32	2.13
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.993	0.995
WTOL	57 °C	57 °C
Poff	26 W	26 W
РТО	26 W	26 W
PSB	26 W	26 W
PCK	53 W	53 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	3186 kWh	3787 kWh

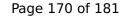
Colder Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	35 dB(A)	35 dB(A)
Sound power level outdoor	67 dB(A)	67 dB(A)



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	Low temperature	Medium temperature
η_{s}	144 %	111 %
Prated	13.89 kW	12.32 kW
SCOP	3.67	2.85
Tbiv	-15 °C	-15 °C
TOL	-15 °C	-15 °C
Pdh Tj = -7°C	8.50 kW	7.49 kW
COP Tj = -7°C	3.35	2.38
Cdh Tj = -7 °C	0.990	0.992
Pdh Tj = +2°C	6.02 kW	5.72 kW
$COPTj = +2^{\circ}C$	4.86	3.65
Cdh Tj = +2 °C	0.979	0.983
Pdh Tj = +7°C	6.72 kW	6.47 kW
$COP Tj = +7^{\circ}C$	5.66	4.54
Cdh Tj = +7 °C	0.978	0.982
Pdh Tj = 12°C	7.51 kW	7.33 kW
COP Tj = 12°C	6.54	5.61
Cdh Tj = +12 °C	0.977	0.980
Pdh Tj = Tbiv	11.33 kW	10.05 kW
COP Tj = Tbiv	2.61	1.96
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	11.33 kW	10.05 kW





COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.61	1.96
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.994	0.995
WTOL	57 °C	57 °C
Poff	26 W	26 W
PTO	26 W	26 W
PSB	26 W	26 W
PCK	53 W	53 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	13.89 kW	12.32 kW
Annual energy consumption Qhe	9329 kWh	10660 kWh
Pdh Tj = -15°C (if TOL<-20°C)	11.33	1.96
COP Tj = -15°C (if TOL $<$ -20°C)	2.61	1.96
Cdh Tj = -15 °C	0.994	0.995

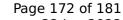
Average Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	35 dB(A)	35 dB(A)
Sound power level outdoor	67 dB(A)	67 dB(A)



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	Low temperature	Medium temperature
η_{s}	167 %	129 %
Prated	12.32 kW	11.30 kW
SCOP	4.25	3.29
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	10.78 kW	10.02 kW
$COP Tj = -7^{\circ}C$	2.79	2.03
Cdh Tj = -7 °C	0.993	0.995
Pdh Tj = $+2$ °C	6.45 kW	6.06 kW
COP Tj = +2°C	4.45	3.28
Cdh Tj = +2 °C	0.982	0.986
Pdh Tj = $+7^{\circ}$ C	6.29 kW	6.40 kW
$COPTj = +7^{\circ}C$	4.93	4.27
Cdh Tj = +7 °C	0.980	0.983
Pdh Tj = 12°C	6.99 kW	7.28 kW
COP Tj = 12°C	5.64	5.09
Cdh Tj = +12 °C	0.979	0.982
Pdh Tj = Tbiv	12.33 kW	11.30 kW
COP Tj = Tbiv	2.48	1.81
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	12.33 kW	11.30 kW





COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.48	1.81
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.995	0.996
WTOL	57 °C	57 °C
Poff	26 W	26 W
РТО	26 W	26 W
PSB	26 W	26 W
PCK	53 W	53 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	5994 kWh	7088 kWh

Domestic Hot Water (DHW)

Warmer Climate

EN 16147		
Declared load profile	L	
Efficiency ηDHW	87 %	
СОР	2.03	
Heating up time	01:03 h:min	
Standby power input	70.0 W	
Reference hot water temperature	51.5 °C	
Mixed water at 40°C	254	



Colder Climate

EN 16147		
Declared load profile	L	
Efficiency ηDHW	75 %	
СОР	1.69	
Heating up time	01:32 h:min	
Standby power input	130.0 W	
Reference hot water temperature	52.1 °C	
Mixed water at 40°C	258 I	

Average Climate

EN 16147		
Declared load profile	L	
Efficiency ηDHW	82 %	
COP	1.89	
Heating up time	01:20 h:min	
Standby power input	80.0 W	
Reference hot water temperature	52.1 °C	
Mixed water at 40°C	251 I	



Model: Bosch Compress 3000 AWS-15 MS-T

Configure model		
Model name Bosch Compress 3000 AWS-15 MS-T		
Application Heating + DHW + low temp		
Units Indoor + Outdoor		
Climate Zone Colder Climate + Warmer Climate		
Reversibility	Yes	
Cooling mode application (optional)	n/a	

General Data		
Power supply 3x400V 50Hz		

Heating

EN 14511-2		
Low temperature Medium temperature		
Heat output	6.41 kW	15.10 kW
El input	1.32 kW	6.64 kW
СОР	4.85	2.27

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

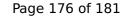
Warmer Climate



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EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	35 dB(A)	35 dB(A)
Sound power level outdoor	67 dB(A)	67 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{s}	209 %	155 %
Prated	12.67 kW	11.18 kW
SCOP	5.31	3.94
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = $+2$ °C	12.67 kW	11.18 kW
COP Tj = +2°C	3.32	2.13
Cdh Tj = +2 °C	0.993	0.995
Pdh Tj = $+7^{\circ}$ C	8.28 kW	7.27 kW
COP Tj = +7°C	4.96	3.48
Cdh Tj = +7 °C	0.984	0.988
Pdh Tj = 12°C	7.50 kW	7.21 kW
COP Tj = 12°C	6.42	5.12
Cdh Tj = +12 °C	0.978	0.982





Pdh Tj = Tbiv	12.67 kW	11.18 kW
COP Tj = Tbiv	3.32	2.13
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	12.67 kW	11.18 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.32	2.13
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.993	0.995
WTOL	57 °C	57 °C
Poff	26 W	26 W
РТО	26 W	26 W
PSB	26 W	26 W
PCK	53 W	53 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	3186 kWh	3787 kWh

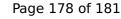
Colder Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	35 dB(A)	35 dB(A)
Sound power level outdoor	67 dB(A)	67 dB(A)



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	Low temperature	Medium temperature
η_{s}	144 %	111 %
Prated	13.89 kW	12.32 kW
SCOP	3.67	2.85
Tbiv	-15 °C	-15 °C
TOL	-15 °C	-15 °C
Pdh Tj = -7°C	8.50 kW	7.49 kW
COP Tj = -7°C	3.35	2.38
Cdh Tj = -7 °C	0.990	0.992
Pdh Tj = +2°C	6.02 kW	5.72 kW
COP Tj = +2°C	4.86	3.65
Cdh Tj = +2 °C	0.979	0.983
Pdh Tj = +7°C	6.72 kW	6.47 kW
$COP Tj = +7^{\circ}C$	5.66	4.54
Cdh Tj = +7 °C	0.978	0.982
Pdh Tj = 12°C	7.51 kW	7.33 kW
COP Tj = 12°C	6.54	5.61
Cdh Tj = +12 °C	0.977	0.980
Pdh Tj = Tbiv	11.33 kW	10.05 kW
COP Tj = Tbiv	2.61	1.96
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	11.33 kW	10.05 kW





COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.61	1.96
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.994	0.995
WTOL	57 °C	57 °C
Poff	26 W	26 W
PTO	26 W	26 W
PSB	26 W	26 W
PCK	53 W	53 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	13.89 kW	12.32 kW
Annual energy consumption Qhe	9329 kWh	10660 kWh
Pdh Tj = -15°C (if TOL<-20°C)	11.33	10.05
COP Tj = -15°C (if TOL $<$ -20°C)	2.61	1.96
Cdh Tj = -15 °C	0.994	0.995

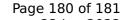
Average Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	35 dB(A)	35 dB(A)
Sound power level outdoor	67 dB(A)	67 dB(A)



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	Low temperature	Medium temperature
η_{s}	167 %	129 %
Prated	12.32 kW	11.30 kW
SCOP	4.25	3.29
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	10.78 kW	10.02 kW
$COP Tj = -7^{\circ}C$	2.79	2.03
Cdh Tj = -7 °C	0.993	0.995
Pdh Tj = +2°C	6.45 kW	6.06 kW
COP Tj = +2°C	4.45	3.28
Cdh Tj = +2 °C	0.982	0.986
Pdh Tj = $+7^{\circ}$ C	6.29 kW	6.40 kW
$COPTj = +7^{\circ}C$	4.93	4.27
Cdh Tj = +7 °C	0.980	0.983
Pdh Tj = 12°C	6.99 kW	7.28 kW
COP Tj = 12°C	5.64	5.09
Cdh Tj = +12 °C	0.979	0.982
Pdh Tj = Tbiv	12.33 kW	11.30 kW
COP Tj = Tbiv	2.48	1.81
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	12.33 kW	11.30 kW





COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.48	1.81
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.995	0.996
WTOL	57 °C	57 °C
Poff	26 W	26 W
РТО	26 W	26 W
PSB	26 W	26 W
PCK	53 W	53 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	5994 kWh	7088 kWh

Domestic Hot Water (DHW)

Warmer Climate

EN 16147		
Declared load profile	L	
Efficiency ηDHW	77 %	
СОР	1.79	
Heating up time	01:02 h:min	
Standby power input	86.5 W	
Reference hot water temperature	50.5 °C	
Mixed water at 40°C	249	



Colder Climate

EN 16147		
Declared load profile	L	
Efficiency ηDHW	74 %	
СОР	1.66	
Heating up time	01:05 h:min	
Standby power input	132.6 W	
Reference hot water temperature	50.5 °C	
Mixed water at 40°C	253 I	

Average Climate

EN 16147		
Declared load profile	L	
Efficiency ηDHW	75 %	
СОР	1.74	
Heating up time	01:18 h:min	
Standby power input	85.7 W	
Reference hot water temperature	51.1 °C	
Mixed water at 40°C	236 I	