

This information was generated by the HP KEYMARK database on 17 Dec 2020

Summary of	Bosch Compress 3000 AWS-4/6	Reg. No.	011-1W0133
Certificate Holder			
Name	Bosch Thermotechnik GmbH		
Address	Junkersstraße 20 - 24	Zip	73249
City	Wernau	Country	Germany
Certification Body	DIN CERTCO Gesellschaft für Konformitätsbewertung mbH		
Name of testing laboratory	RISE Research Institutes of Sweden AB		
Subtype title	Bosch Compress 3000 AWS-4/6		
Heat Pump Type	Outdoor Air/Water		
Refrigerant	R410a		
Mass Of Refrigerant	1.6 kg		

Model: Bosch Compress 3000 AWS-4 E

General Data

Power supply	1x230V 50Hz
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Heating

EN 14511-4

Operating range outdoor exchanger/indoor exchanger lower limit/lower limit	passed
Operating range outdoor exchanger/indoor exchanger upper limit/upper limit	passed
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed

EN 14511-2

	Low temperature	Medium temperature
Heat output	4.49 kW	3.01 kW
El input	0.96 kW	1.18 kW
COP	4.69	2.55
Indoor water flow rate	0.78 m ³ /h	0.33 m ³ /h

Average Climate

This information was generated by the HP KEYMARK database on 17 Dec 2020

EN 12102-1

	Low temperature	Medium temperature
Sound power level indoor	36 dB(A)	36 dB(A)
Sound power level outdoor	65 dB(A)	65 dB(A)

EN 14825

	Low temperature	Medium temperature
η_s	144 %	115 %
Prated	5.00 kW	4.00 kW
SCOP	3.68	2.95
Tbiv	-10 °C	-10 °C
TOL	-15 °C	-15 °C
Pdh Tj = -7°C	4.40 kW	3.50 kW
COP Tj = -7°C	2.71	2.02
Pdh Tj = +2°C	3.60 kW	3.20 kW
COP Tj = +2°C	3.61	3.00
Pdh Tj = +7°C	3.60 kW	3.60 kW
COP Tj = +7°C	5.61	4.70
Pdh Tj = 12°C	3.60 kW	3.60 kW
COP Tj = 12°C	5.61	5.00
Pdh Tj = Tbiv	5.00 kW	4.00 kW

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COP $T_j = T_{biv}$	3.31	1.82
P _{dh} $T_j = TOL$	4.10 kW	4.10 kW
COP $T_j = TOL$	2.51	2.00
C _{dh}	0.90	0.90
WTOL	57 °C	57 °C
P _{off}	11 W	11 W
PTO	51 W	51 W
PSB	11 W	11 W
PCK	100 W	100 W
Supplementary Heater: Type of energy input	Electric	Electric
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Q _{he}	2814 kWh	2811 kWh

Model: Bosch Compress 3000 AWS-4 B

General Data

Power supply	1x230V 50Hz
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Heating

EN 14511-4

Operating range outdoor exchanger/indoor exchanger lower limit/lower limit	passed
Operating range outdoor exchanger/indoor exchanger upper limit/upper limit	passed
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed

EN 14511-2

	Low temperature	Medium temperature
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COP Tj = -7°C	2.71	2.02
Pdh Tj = +2°C	3.60 kW	3.20 kW
COP Tj = +2°C	3.61	3.00
Pdh Tj = +7°C	3.60 kW	3.60 kW
COP Tj = +7°C	5.61	4.70
Pdh Tj = 12°C	3.60 kW	3.60 kW
COP Tj = 12°C	5.61	5.00
Pdh Tj = Tbiv	5.00 kW	4.00 kW

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WTOL	57 °C	57 °C
P _{off}	11 W	11 W
PTO	51 W	51 W
PSB	11 W	11 W
PCK	100 W	100 W
Supplementary Heater: Type of energy input	Electric	Electric
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Q _{he}	2814 kWh	2811 kWh

Model: Bosch Compress 3000 AWS-4 M

General Data

Power supply	1x230V 50Hz
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Heating

EN 14511-4

Operating range outdoor exchanger/indoor exchanger lower limit/lower limit	passed
Operating range outdoor exchanger/indoor exchanger upper limit/upper limit	passed
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed

EN 14511-2

	Low temperature	Medium temperature
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Pdh Tj = +7°C	3.60 kW	3.60 kW
COP Tj = +7°C	5.61	4.70
Pdh Tj = 12°C	3.60 kW	3.60 kW
COP Tj = 12°C	5.61	5.00
Pdh Tj = Tbiv	5.00 kW	4.00 kW

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COP Tj = Tbiv	3.31	1.82
Pdh Tj = TOL	4.10 kW	4.10 kW
COP Tj = TOL	2.51	2.00
Cdh	0.90	0.90
WTOL	57 °C	57 °C
Poff	11 W	11 W
PTO	51 W	51 W
PSB	11 W	11 W
PCK	100 W	100 W
Supplementary Heater: Type of energy input	Electric	Electric
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	2814 kWh	2811 kWh

Domestic Hot Water (DHW)

Average Climate

This information was generated by the HP KEYMARK database on 17 Dec 2020

EN 16147	
Declared load profile	L
Efficiency η_{DHW}	105 %
COP	2.49
Heating up time	02:08 h:min
Standby power input	44.0 W
Reference hot water temperature	52.6 °C
Mixed water at 40°C	257 l

Model: Bosch Compress 3000 AWS-4 MS

General Data

Power supply	1x230V 50Hz
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Heating

EN 14511-4

Operating range outdoor exchanger/indoor exchanger lower limit/lower limit	passed
Operating range outdoor exchanger/indoor exchanger upper limit/upper limit	passed
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed

EN 14511-2

	Low temperature	Medium temperature
Heat output	4.49 kW	3.01 kW
El input	0.96 kW	1.18 kW
COP	4.69	2.55
Indoor water flow rate	0.78 m ³ /h	0.33 m ³ /h

Average Climate

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EN 14825

	Low temperature	Medium temperature
η_s	144 %	115 %
Prated	5.00 kW	4.00 kW
SCOP	3.68	2.95
Tbiv	-10 °C	-10 °C
TOL	-15 °C	-15 °C
Pdh Tj = -7°C	4.40 kW	3.50 kW
COP Tj = -7°C	2.71	2.02
Pdh Tj = +2°C	3.60 kW	3.20 kW
COP Tj = +2°C	3.61	3.00
Pdh Tj = +7°C	3.60 kW	3.60 kW
COP Tj = +7°C	5.61	4.70
Pdh Tj = 12°C	3.60 kW	3.60 kW
COP Tj = 12°C	5.61	5.00
Pdh Tj = Tbiv	5.00 kW	4.00 kW

This information was generated by the HP KEYMARK database on 17 Dec 2020

COP Tj = Tbiv	3.31	1.82
Pdh Tj = TOL	4.10 kW	4.10 kW
COP Tj = TOL	2.51	2.00
Cdh	0.90	0.90
WTOL	57 °C	57 °C
Poff	11 W	11 W
PTO	51 W	51 W
PSB	11 W	11 W
PCK	100 W	100 W
Supplementary Heater: Type of energy input	Electric	Electric
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	2814 kWh	2811 kWh

Domestic Hot Water (DHW)

Average Climate

This information was generated by the HP KEYMARK database on 17 Dec 2020

EN 16147	
Declared load profile	L
Efficiency η_{DHW}	105 %
COP	2.49
Heating up time	02:08 h:min
Standby power input	44.0 W
Reference hot water temperature	52.6 °C
Mixed water at 40°C	257 l

Model: Bosch Compress 3000 AWS-6 E

General Data

Power supply	1x230V 50Hz
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Heating

EN 14511-2

	Low temperature	Medium temperature
Heat output	5.01 kW	3.50 kW
El input	1.06 kW	1.35 kW
COP	4.70	2.60
Indoor water flow rate	0.87 m ³ /h	0.38 m ³ /h

EN 14511-4

Operating range outdoor exchanger/indoor exchanger lower limit/lower limit	passed
Operating range outdoor exchanger/indoor exchanger upper limit/upper limit	passed
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed

Average Climate

This information was generated by the HP KEYMARK database on 17 Dec 2020

EN 12102-1

	Low temperature	Medium temperature
Sound power level indoor	36 dB(A)	36 dB(A)
Sound power level outdoor	65 dB(A)	65 dB(A)

EN 14825

	Low temperature	Medium temperature
η_s	148 %	119 %
Prated	6.00 kW	5.00 kW
SCOP	3.78	3.05
Tbiv	-10 °C	-10 °C
TOL	-15 °C	-15 °C
Pdh Tj = -7°C	5.30 kW	4.40 kW
COP Tj = -7°C	2.71	2.00
Pdh Tj = +2°C	3.60 kW	3.20 kW
COP Tj = +2°C	3.61	3.01
Pdh Tj = +7°C	3.60 kW	3.50 kW
COP Tj = +7°C	5.61	4.71
Pdh Tj = 12°C	3.60 kW	3.60 kW
COP Tj = 12°C	5.61	5.02
Pdh Tj = Tbiv	6.00 kW	5.00 kW

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COP $T_j = T_{biv}$	2.51	1.80
P _{dh} $T_j = TOL$	4.90 kW	4.50 kW
COP $T_j = TOL$	2.51	2.00
C _{dh}	0.90	0.90
WTOL	57 °C	57 °C
P _{off}	11 W	11 W
PTO	51 W	51 W
PSB	11 W	11 W
PCK	100 W	100 W
Supplementary Heater: Type of energy input	Electric	Electric
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Q _{he}	3296 kWh	3400 kWh

Model: Bosch Compress 3000 AWS-6 B

General Data

Power supply	1x230V 50Hz
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Heating

EN 14511-2

	Low temperature	Medium temperature
Heat output	5.01 kW	3.50 kW
El input	1.06 kW	1.35 kW
COP	4.70	2.60
Indoor water flow rate	0.87 m ³ /h	0.38 m ³ /h

EN 14511-4

Operating range outdoor exchanger/indoor exchanger lower limit/lower limit	passed
Operating range outdoor exchanger/indoor exchanger upper limit/upper limit	passed
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed

Average Climate

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EN 12102-1

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EN 14825

	Low temperature	Medium temperature
η_s	148 %	119 %
Prated	6.00 kW	5.00 kW
SCOP	3.78	3.05
Tbiv	-10 °C	-10 °C
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PCK	100 W	100 W
Supplementary Heater: Type of energy input	Electric	Electric
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Q _{he}	3296 kWh	3400 kWh

Model: Bosch Compress 3000 AWS-6 M

General Data

Power supply	1x230V 50Hz
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Heating

EN 14511-2

	Low temperature	Medium temperature
Heat output	5.01 kW	3.50 kW
El input	1.06 kW	1.35 kW
COP	4.70	2.60
Indoor water flow rate	0.87 m ³ /h	0.38 m ³ /h

EN 14511-4

Operating range outdoor exchanger/indoor exchanger lower limit/lower limit	passed
Operating range outdoor exchanger/indoor exchanger upper limit/upper limit	passed
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed

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Supplementary Heater: Type of energy input	Electric	Electric
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	3296 kWh	3400 kWh

Domestic Hot Water (DHW)

Average Climate

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EN 16147	
Declared load profile	L
Efficiency η_{DHW}	105 %
COP	2.49
Heating up time	02:08 h:min
Standby power input	44.0 W
Reference hot water temperature	52.6 °C
Mixed water at 40°C	257 l

Model: Bosch Compress 3000 AWS-6 MS

General Data

Power supply	1x230V 50Hz
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Heating

EN 14511-2

	Low temperature	Medium temperature
Heat output	5.01 kW	3.50 kW
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EN 14511-4

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