

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

Gener	al Data
Power supply	1x230V 50Hz

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
СОР	4.69	2.55
Indoor water flow rate	0.78 m³/h	0.33 m³/h



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



Page 4 of 29

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
РТО	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



Model: Bosch Compress 3000 AWS-4 B

Gener	al Data
Power supply	1x230V 50Hz

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
СОР	4.69	2.55
Indoor water flow rate	0.78 m³/h	0.33 m³/h



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



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
РТО	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



Model: Bosch Compress 3000 AWS-4 M

General Data	
Power supply 1x230V 50Hz	

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	
СОР	4.69	2.55	
Indoor water flow rate	0.78 m³/h	0.33 m³/h	



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)

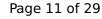
EN 14825		
	Low temperature	Medium temperature
η_{s}	144 %	115 %
Prated	5.00 kW	4.00 kW
SCOP	3.68	2.95
Tbiv	-10 °C	-10 °C
TOL	-15 °C	-15 °C
Pdh Tj = -7°C	4.40 kW	3.50 kW
COP Tj = -7°C	2.71	2.02
Pdh Tj = +2°C	3.60 kW	3.20 kW
COP Tj = +2°C	3.61	3.00
Pdh Tj = +7°C	3.60 kW	3.60 kW
COP Tj = +7°C	5.61	4.70
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





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
РТО	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)





EN 16147		
Declared load profile	L	
Efficiency ηDHW	105 %	
СОР	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	

Heating

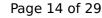
EN 14511-4		
Operating range outdoor exchanger/indoor exchanger lower limit/lower limit	passed	
Operating range outdoor exchanger/indoor exchanger upper limit/upper limit		
	passed	
Shutting off the heat transfer medium flow	passed	
Complete power supply failure	passed	
Defrost test	passed	

EN 14511-2		
	Low temperature	Medium temperature
Heat output	4.49 kW	3.01 kW
El input	0.96 kW	1.18 kW
СОР	4.69	2.55
Indoor water flow rate	0.78 m³/h	0.33 m³/h



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)

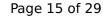
EN 14825		
	Low temperature	Medium temperature
η_{s}	144 %	115 %
Prated	5.00 kW	4.00 kW
SCOP	3.68	2.95
Tbiv	-10 °C	-10 °C
TOL	-15 °C	-15 °C
Pdh Tj = -7°C	4.40 kW	3.50 kW
COP Tj = -7°C	2.71	2.02
Pdh Tj = +2°C	3.60 kW	3.20 kW
COP Tj = +2°C	3.61	3.00
Pdh Tj = +7°C	3.60 kW	3.60 kW
COP Tj = +7°C	5.61	4.70
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





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
РТО	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)





EN 16147	
Declared load profile	L
Efficiency ηDHW	105 %
СОР	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 I



Model: Bosch Compress 3000 AWS-6 E

General Data	
Power supply	1x230V 50Hz

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	5.01 kW	3.50 kW
El input	1.06 kW	1.35 kW
СОР	4.70	2.60
Indoor water flow rate	0.87 m³/h	0.38 m³/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	



 $$\operatorname{\textit{Page}}\ 17$$ of 29 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



Page 18 of 29

	<u> </u>	
COP Tj = Tbiv	2.51	1.80
Pdh Tj = TOL	4.90 kW	4.50 kW
COP Tj = TOL	2.51	2.00
Cdh	0.90	0.90
WTOL	57 °C	57 °C
Poff	11 W	11 W
РТО	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	3296 kWh	3400 kWh



Model: Bosch Compress 3000 AWS-6 B

General Data	
Power supply	1x230V 50Hz

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	5.01 kW	3.50 kW
El input	1.06 kW	1.35 kW
СОР	4.70	2.60
Indoor water flow rate	0.87 m³/h	0.38 m³/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	



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



Page 21 of 29

	<u> </u>	
COP Tj = Tbiv	2.51	1.80
Pdh Tj = TOL	4.90 kW	4.50 kW
COP Tj = TOL	2.51	2.00
Cdh	0.90	0.90
WTOL	57 °C	57 °C
Poff	11 W	11 W
РТО	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	3296 kWh	3400 kWh



Model: Bosch Compress 3000 AWS-6 M

General Data	
Power supply 1x230V 50Hz	

Heating

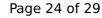
EN 14511-2		
	Low temperature	Medium temperature
Heat output	5.01 kW	3.50 kW
El input	1.06 kW	1.35 kW
СОР	4.70	2.60
Indoor water flow rate	0.87 m³/h	0.38 m³/h

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



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





COP Tj = Tbiv	2.51	1.80
Pdh Tj = TOL	4.90 kW	4.50 kW
COP Tj = TOL	2.51	2.00
Cdh	0.90	0.90
WTOL	57 °C	57 °C
Poff	11 W	11 W
РТО	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	3296 kWh	3400 kWh

Domestic Hot Water (DHW)





EN 16147	
Declared load profile	L
Efficiency ηDHW	105 %
СОР	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 I

Model: Bosch Compress 3000 AWS-6 MS

General Data	
Power supply 1x230V 50Hz	

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	5.01 kW	3.50 kW
El input	1.06 kW	1.35 kW
СОР	4.70	2.60
Indoor water flow rate	0.87 m³/h	0.38 m³/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	



 $$\operatorname{\textit{Page}}\xspace$ 27 of 29 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)	

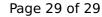
EN 14825			
	Low temperature	Medium temperature	
η_{s}	148 %	119 %	
Prated	6.00 kW	5.00 kW	
SCOP	3.78	3.05	
Tbiv	-10 °C	-10 °C	
TOL	-15 °C	-15 °C	
Pdh Tj = -7°C	5.30 kW	4.40 kW	
COP Tj = -7°C	2.71	2.00	
Pdh Tj = +2°C	3.60 kW	3.20 kW	
COP Tj = +2°C	3.61	3.01	
Pdh Tj = +7°C	3.60 kW	3.50 kW	
COP Tj = +7°C	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	





COP Tj = Tbiv	2.51	1.80
Pdh Tj = TOL	4.90 kW	4.50 kW
COP Tj = TOL	2.51	2.00
Cdh	0.90	0.90
WTOL	57 °C	57 °C
Poff	11 W	11 W
РТО	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	3296 kWh	3400 kWh

Domestic Hot Water (DHW)





EN 16147			
Declared load profile	L		
Efficiency ηDHW	105 %		
СОР	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		