Summary of	Bosch Compress 3000 AWS-2	Reg. No.	011-1W0132
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-2		
Heat Pump Type	Outdoor Air/Water		
Refrigerant	R410a		
Mass Of Refrigerant	1 kg		

Model: Bosch Compress 3000 AWS-2 E

General Data	
Power supply	1x230V 50Hz

Heating

EN 14511-2		
	Low temperature	**Medium temperature**
Heat output	3.20 kW	2.28 kW
El input	0.67 kW	0.99 kW
COP	4.79	2.30
Indoor water flow rate	0.56 m³/h	0.25 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

Average Climate

EN 12102-1		
	Low temperature	**Medium temperature**
Sound power level indoor	36 dB(A)	36 dB(A)
Sound power level outdoor	64 dB(A)	64 dB(A)

EN 14825		
	Low temperature	**Medium temperature**
η_s	153 %	121 %
Prated	3.00 kW	3.00 kW
SCOP	3.90	3.10
Tbiv	-10 °C	-10 °C
TOL	-15 °C	-15 °C
Pdh Tj = -7°C	3.00 kW	2.40 kW
COP Tj = -7°C	3.00	2.01
Pdh Tj = +2°C	2.00 kW	1.50 kW
COP Tj = +2°C	3.71	3.00
Pdh Tj = +7°C	2.00 kW	1.50 kW
COP Tj = +7°C	5.71	4.72
Pdh Tj = 12°C	2.00 kW	1.50 kW
COP Tj = 12°C	5.71	5.03
Pdh Tj = Tbiv	3.40 kW	2.70 kW

COP Tj = Tbiv	2.61	1.80
Pdh Tj = TOL	3.00 kW	2.50 kW
COP Tj = TOL	2.31	1.72
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	1805 kWh	1806 kWh

Model: Bosch Compress 3000 AWS-2 B

General Data	
Power supply	1x230V 50Hz

Heating

EN 14511-2		
	Low temperature	**Medium temperature**
Heat output	3.20 kW	2.28 kW
El input	0.67 kW	0.99 kW
COP	4.79	2.30
Indoor water flow rate	0.56 m³/h	0.25 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

Average Climate

EN 12102-1		
	Low temperature	**Medium temperature**
Sound power level indoor	36 dB(A)	36 dB(A)
Sound power level outdoor	64 dB(A)	64 dB(A)

EN 14825		
	Low temperature	**Medium temperature**
η_s	153 %	121 %
Prated	3.00 kW	3.00 kW
SCOP	3.90	3.10
Tbiv	-10 °C	-10 °C
TOL	-15 °C	-15 °C
Pdh Tj = -7°C	3.00 kW	2.40 kW
COP Tj = -7°C	3.00	2.01
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COP Tj = +2°C	3.71	3.00
Pdh Tj = +7°C	2.00 kW	1.50 kW
COP Tj = +7°C	5.71	4.72
Pdh Tj = 12°C	2.00 kW	1.50 kW
COP Tj = 12°C	5.71	5.03
Pdh Tj = Tbiv	3.40 kW	2.70 kW

COP Tj = Tbiv	2.61	1.80
Pdh Tj = TOL	3.00 kW	2.50 kW
COP Tj = TOL	2.31	1.72
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	1805 kWh	1806 kWh

Model: Bosch Compress 3000 AWS-2 M

General Data	
Power supply	1x230V 50Hz

Heating

EN 14511-2		
	Low temperature	**Medium temperature**
Heat output	3.20 kW	2.28 kW
El input	0.67 kW	0.99 kW
COP	4.79	2.30
Indoor water flow rate	0.56 m³/h	0.25 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

Average Climate

EN 12102-1		
	Low temperature	**Medium temperature**
Sound power level indoor	36 dB(A)	36 dB(A)
Sound power level outdoor	64 dB(A)	64 dB(A)

EN 14825		
	Low temperature	**Medium temperature**
η_s	153 %	121 %
Prated	3.00 kW	3.00 kW
SCOP	3.90	3.10
Tbiv	-10 °C	-10 °C
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Pdh Tj = -7°C	3.00 kW	2.40 kW
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COP Tj = Tbiv	2.61	1.80
Pdh Tj = TOL	3.00 kW	2.50 kW
COP Tj = TOL	2.31	1.72
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	1805 kWh	1806 kWh

Domestic Hot Water (DHW)

Average Climate

EN 16147

Declared load profile	L
Efficiency ηDHW	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-2 MS

General Data	
Power supply	1x230V 50Hz

Heating

EN 14511-2		
	Low temperature	**Medium temperature**
Heat output	3.20 kW	2.28 kW
El input	0.67 kW	0.99 kW
COP	4.79	2.30
Indoor water flow rate	0.56 m³/h	0.25 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

Average Climate

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COP Tj = 12°C	5.71	5.03
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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 Qhe	1805 kWh	1806 kWh

Domestic Hot Water (DHW)

Average Climate

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Declared load profile	L
Efficiency ηDHW	105 %
COP	2.49
Heating up time	02:08 h:min
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Reference hot water temperature	52.6 °C
Mixed water at 40°C	257 l