DIN CERTCO
Gesellschaft für Konformitätsbewertung mbH

CERTIFICATE

Certificate holder	**Bosch Thermotechnik GmbH** **Sophienstr. 30-32** **35576 Wetzlar** **GERMANY**
Production facility	Aveiro, Changwon, Tranas
Product	Air/Water Heat pumps
Type, Model	Bosch Compress 3000 AWS-8
Testing basis	DIN EN 14511-1; DIN EN 14511-2; DIN EN 14511-3; DIN EN 14511-4:2013-12 DIN EN 14825:2013-12 DIN EN 12102:2013-10 DIN EN 16147:2011-04 European KEYMARK Scheme Heat Pumps Rev. 2 (2017-03)
Mark of conformity	
Registration No.	011-1W0135
Valid until	2027-07-31
Right of use	This certificate entitles the holder to use the mark of conformity shown above in conjunction with the specified registration number. See annex for further information.

DAkkS
Deutsche
Akkreditierungsstelle
D-ZE-11125-01-00

2017-07-18

Dipl.-Wi.-Ing. (FH) Sören Scholz
Head of Certification Body

GESELLSCHAFT FÜR KONFORMITÄTSBEWERTUNG MBH
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DIN

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ANNEX

Certificate	011-1W0135 dated 2017-07-18
Technical Data	See technical data sheet to the above mentioned registration number at www.dincertco.tuv.com
Testing laboratory/ Inspection body	RISE Research Institutes of Sweden AB PO Box 857 501 15 Boras SWEDEN
Test report(s)	4P07069-02 dated 2015-05-05

This information was downloaded from the HP KEYMARK database on 16 Mar 2020

Summary of	Bosch Compress 3000 AWS-8	Reg. No.	011-1W0135
Certificate Holder			
Name	Bosch Thermotechnik GmbH		
Address	Sophienstraße 30-32	Zip	35576
City	Wetzlar	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-8		
Heat Pump Type	Outdoor Air/Water		
Refrigerant	HFC-410a		
Mass Of Refrigerant	1.6 kg		
Certification Date	n/a		
Testing basis	n/a		

Disclaimer: this document is a summary of the certified performance.
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This information was downloaded from the HP KEYMARK database on 16 Mar 2020

Model: Bosch Compress 3000 AWS-8 E

General Data	
Power supply	1x230V 50Hz

Heating

EN 14511-2		
	Low temperature	**Medium temperature**
Heat output	5.41 kW	3.99 kW
El input	1.13 kW	1.47 kW
COP	4.80	2.72
Indoor water flow rate	0.95 m³/h	0.44 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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This information was downloaded from the HP KEYMARK database on 16 Mar 2020

EN 12102-1		
	Low temperature	**Medium temperature**
Sound power level indoor	37 dB(A)	37 dB(A)
Sound power level outdoor	65 dB(A)	65 dB(A)

EN 14825		
	Low temperature	**Medium temperature**
η_s	150 %	125 %
Prated	7.00 kW	6.00 kW
SCOP	3.83	3.20
Tbiv	-10 °C	-10 °C
TOL	-15 °C	-15 °C
Pdh Tj = -7°C	6.40 kW	5.30 kW
COP Tj = -7°C	2.65	2.11
Pdh Tj = +2°C	3.90 kW	3.20 kW
COP Tj = +2°C	3.61	3.10
Pdh Tj = +7°C	3.60 kW	3.60 kW
COP Tj = +7°C	5.71	4.70
Pdh Tj = 12°C	3.60 kW	3.60 kW
COP Tj = 12°C	5.71	5.00

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Pdh Tj = Tbiv	7.20 kW	6.00 kW
COP Tj = Tbiv	2.51	1.90
Pdh Tj = TOL	5.70 kW	4.90 kW
COP Tj = TOL	2.41	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	3879 kWh	3890 kWh

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This information was downloaded from the HP KEYMARK database on 16 Mar 2020

Model: Bosch Compress 3000 AWS-8 B

General Data	
Power supply	1x230V 50Hz

Heating

EN 14511-2		
	Low temperature	**Medium temperature**
Heat output	5.41 kW	3.99 kW
El input	1.13 kW	1.47 kW
COP	4.80	2.72
Indoor water flow rate	0.95 m³/h	0.44 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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This information was downloaded from the HP KEYMARK database on 16 Mar 2020

EN 12102-1		
	Low temperature	**Medium temperature**
Sound power level indoor	37 dB(A)	37 dB(A)
Sound power level outdoor	65 dB(A)	65 dB(A)

EN 14825		
	Low temperature	**Medium temperature**
η_s	150 %	125 %
Prated	7.00 kW	6.00 kW
SCOP	3.83	3.20
Tbiv	-10 °C	-10 °C
TOL	-15 °C	-15 °C
Pdh Tj = -7°C	6.40 kW	5.30 kW
COP Tj = -7°C	2.65	2.11
Pdh Tj = +2°C	3.90 kW	3.20 kW
COP Tj = +2°C	3.61	3.10
Pdh Tj = +7°C	3.60 kW	3.60 kW
COP Tj = +7°C	5.71	4.70
Pdh Tj = 12°C	3.60 kW	3.60 kW
COP Tj = 12°C	5.71	5.00

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Pdh Tj = Tbiv	7.20 kW	6.00 kW
COP Tj = Tbiv	2.51	1.90
Pdh Tj = TOL	5.70 kW	4.90 kW
COP Tj = TOL	2.41	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	3879 kWh	3890 kWh

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This information was downloaded from the HP KEYMARK database on 16 Mar 2020

Model: Bosch Compress 3000 AWS-8 M

General Data	
Power supply	1x230V 50Hz

Heating

EN 14511-2		
	Low temperature	**Medium temperature**
Heat output	5.41 kW	3.99 kW
El input	1.13 kW	1.47 kW
COP	4.80	2.72
Indoor water flow rate	0.95 m³/h	0.44 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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This information was downloaded from the HP KEYMARK database on 16 Mar 2020

EN 12102-1		
	Low temperature	**Medium temperature**
Sound power level indoor	37 dB(A)	37 dB(A)
Sound power level outdoor	65 dB(A)	65 dB(A)

EN 14825		
	Low temperature	**Medium temperature**
η_s	150 %	125 %
Prated	7.00 kW	6.00 kW
SCOP	3.83	3.20
Tbiv	-10 °C	-10 °C
TOL	-15 °C	-15 °C
Pdh Tj = -7°C	6.40 kW	5.30 kW
COP Tj = -7°C	2.65	2.11
Pdh Tj = +2°C	3.90 kW	3.20 kW
COP Tj = +2°C	3.61	3.10
Pdh Tj = +7°C	3.60 kW	3.60 kW
COP Tj = +7°C	5.71	4.70
Pdh Tj = 12°C	3.60 kW	3.60 kW
COP Tj = 12°C	5.71	5.00

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Pdh Tj = Tbiv	7.20 kW	6.00 kW
COP Tj = Tbiv	2.51	1.90
Pdh Tj = TOL	5.70 kW	4.90 kW
COP Tj = TOL	2.41	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	3879 kWh	3890 kWh

Domestic Hot Water (DHW)

Average Climate

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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

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This information was downloaded from the HP KEYMARK database on 16 Mar 2020

Model: Bosch Compress 3000 AWS-8 MS

General Data	
Power supply	1x230V 50Hz

Heating

EN 14511-2		
	Low temperature	**Medium temperature**
Heat output	5.41 kW	3.99 kW
El input	1.13 kW	1.47 kW
COP	4.80	2.72
Indoor water flow rate	0.95 m³/h	0.44 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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This information was downloaded from the HP KEYMARK database on 16 Mar 2020

EN 12102-1		
	Low temperature	**Medium temperature**
Sound power level indoor	37 dB(A)	37 dB(A)
Sound power level outdoor	65 dB(A)	65 dB(A)

EN 14825		
	Low temperature	**Medium temperature**
η_s	150 %	125 %
Prated	7.00 kW	6.00 kW
SCOP	3.83	3.20
Tbiv	-10 °C	-10 °C
TOL	-15 °C	-15 °C
Pdh Tj = -7°C	6.40 kW	5.30 kW
COP Tj = -7°C	2.65	2.11
Pdh Tj = +2°C	3.90 kW	3.20 kW
COP Tj = +2°C	3.61	3.10
Pdh Tj = +7°C	3.60 kW	3.60 kW
COP Tj = +7°C	5.71	4.70
Pdh Tj = 12°C	3.60 kW	3.60 kW
COP Tj = 12°C	5.71	5.00

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Pdh Tj = Tbiv	7.20 kW	6.00 kW
COP Tj = Tbiv	2.51	1.90
Pdh Tj = TOL	5.70 kW	4.90 kW
COP Tj = TOL	2.41	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	3879 kWh	3890 kWh

Domestic Hot Water (DHW)

Average Climate

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This information was downloaded from the HP KEYMARK database on 16 Mar 2020

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

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