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Login

Summary of	NIBE AMS 10-8	Reg. No.	012-SC0604-18
Certificate Holder			
Name	Nibe AB		
Address	Box 14	Zip	S-28521
City	Markaryd	Country	Sweden
Certification Body	RISE CERT	·	
Subtype title	NIBE AMS 10-8		
Heat Pump Type	Outdoor Air/Water		
Refrigerant	R410A		
Mass of Refrigerant	2.6 kg		
Certification Date	20.09.2018		
Testing basis	HP Keymark Scheme	2018	



Model: NIBE AMS 10-8 + HBS05-12

Configure model		
Model name	NIBE AMS 10-8 + HBS05-12	
Application	Heating (medium temp)	
Units	Indoor + Outdoor	
Climate Zone	n/a	
Reversibility	Yes	
Cooling mode application (optional)	n/a	

	General Data	
Power supply	1x230V 50Hz	

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	3.86 kW	3.50 kW
El input	0.83 kW	1.19 kW
СОР	4.65	2.94

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	35 dB(A)	35 dB(A)
Sound power level outdoor	55 dB(A)	55 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{s}	172 %	127 %
Prated	8.20 kW	7.00 kW
SCOP	4.37	3.25
Tbiv	-8 °C	-9 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	7.40 kW	6.30 kW
COP Tj = -7°C	2.92	1.94
Pdh Tj = +2°C	4.50 kW	3.90 kW
COP Tj = +2°C	4.30	3.11
Pdh Tj = +7°C	2.90 kW	2.60 kW
COP Tj = +7°C	5.41	4.42
Pdh Tj = 12°C	3.50 kW	3.70 kW
COP Tj = 12°C	6.51	5.93
Pdh Tj = Tbiv	7.40 kW	6.60 kW



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Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh 6.80 kW 5.90 kW COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh 2.67 1.86 Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh 0.96 0.97 WTOL 65 °C 65 °C Poff 2 W 2 W PTO 15 W 10 W PSB 15 W 15 W PCK 30 W 30 W Supplementary Heater: Type of energy input Electricity Electricity Supplementary Heater: PSUP 1.40 kW 1.10 kW			
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	COP Tj = Tbiv	2.86	1.83
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.80 kW	5.90 kW
WTOL 65 °C 65 °C 2 W 2 W PTO 15 W 10 W PSB 15 W 15 W 9 CK 30 W Supplementary Heater: Type of energy input Electricity Electricity Supplementary Heater: PSUP 1.40 kW 1.10 kW	COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.67	1.86
Poff 2 W 2 W PTO 15 W 10 W PSB 15 W 30 W 30 W Supplementary Heater: Type of energy input Electricity Electricity Supplementary Heater: PSUP 1.40 kW 1.10 kW	Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.96	0.97
PTO 15 W 10 W PSB 15 W 15 W PCK 30 W 30 W Supplementary Heater: Type of energy input Electricity Electricity Supplementary Heater: PSUP 1.40 kW 1.10 kW	WTOL	65 °C	65 °C
PSB 15 W 15 W PCK 30 W 30 W Supplementary Heater: Type of energy input Electricity Electricity Supplementary Heater: PSUP 1.40 kW 1.10 kW	Poff	2 W	2 W
PCK 30 W 30 W Supplementary Heater: Type of energy input Electricity Electricity Supplementary Heater: PSUP 1.40 kW 1.10 kW	PTO	15 W	10 W
Supplementary Heater: Type of energy input Electricity Electricity Supplementary Heater: PSUP 1.40 kW 1.10 kW	PSB	15 W	15 W
Supplementary Heater: PSUP 1.40 kW 1.10 kW	PCK	30 W	30 W
	Supplementary Heater: Type of energy input	Electricity	Electricity
Annual energy consumption Qhe 3882 kWh 4447 kWh	Supplementary Heater: PSUP	1.40 kW	1.10 kW
	Annual energy consumption Qhe	3882 kWh	4447 kWh



Model: NIBE AMS 10-8 + HK200S-12

Configure model		
Model name	NIBE AMS 10-8 + HK200S-12	
Application	Heating + DHW + low temp	
Units	Indoor + Outdoor	
Climate Zone	n/a	
Reversibility	Yes	
Cooling mode application (optional)	n/a	

	General Data	
Power supply	1x230V 50Hz	

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	3.86 kW	3.50 kW
El input	0.83 kW	1.19 kW
СОР	4.65	2.94

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	35 dB(A)	35 dB(A)
Sound power level outdoor	55 dB(A)	55 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{s}	172 %	127 %
Prated	8.20 kW	7.00 kW
SCOP	4.37	3.25
Tbiv	-8 °C	-9 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	7.40 kW	6.30 kW
COP Tj = -7°C	2.92	1.94
Pdh Tj = +2°C	4.50 kW	3.90 kW
COP Tj = +2°C	4.30	3.11
Pdh Tj = +7°C	2.90 kW	2.60 kW
COP Tj = +7°C	5.41	4.42
Pdh Tj = 12°C	3.50 kW	3.70 kW
COP Tj = 12°C	6.51	5.93
Pdh Tj = Tbiv	7.40 kW	6.60 kW





COP Tj = Tbiv	2.86	1.83
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.80 kW	5.90 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.67	1.86
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.96	0.97
WTOL	65 °C	65 °C
Poff	2 W	2 W
РТО	15 W	10 W
PSB	15 W	15 W
PCK	30 W	30 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.40 kW	1.10 kW
Annual energy consumption Qhe	3882 kWh	4447 kWh

Domestic Hot Water (DHW)

Average Climate



EN 16147		
Declared load profile	XL	
Efficiency ηDHW	99 %	
СОР	2.34	
Heating up time	1:28 h:min	
Standby power input	85.0 W	
Reference hot water temperature	50.9 °C	
Mixed water at 40°C	226	



Model: NIBE AMS10-8 + BA-SVM 10-200/12

Configure model		
Model name	NIBE AMS10-8 + BA-SVM 10-200/12	
Application Heating + DHW + low temp		
nits Indoor + Outdoor		
Climate Zone	n/a	
Reversibility Yes		
Cooling mode application (optional) n/a		

General Data		
Power supply	1x230V 50Hz	

EN 14511-2

Heating

Heat output

El input

COP

1.89 kW

4.42

Medium temperature
5.52 kW

1.86 kW

2.96

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	35 dB(A)	35 dB(A)
Sound power level outdoor	55 dB(A)	55 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{s}	172 %	127 %
Prated	8.20 kW	7.00 kW
SCOP	4.37	3.25
Tbiv	-8 °C	-9 °C
TOL	-10 °C	-10 °C
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Pdh Tj = +2°C	4.50 kW	3.90 kW
COP Tj = +2°C	4.30	3.11
Pdh Tj = +7°C	2.90 kW	2.60 kW
COP Tj = +7°C	5.41	4.42
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COP Tj = 12°C	6.51	5.93
Pdh Tj = Tbiv	7.40 kW	6.60 kW

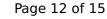


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COP Tj = Tbiv	2.86	1.83	
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COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.67	1.86	
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.96	0.97	
WTOL	65 °C	65 °C	
Poff	2 W	2 W	
РТО	15 W	10 W	
PSB	15 W	15 W	
PCK	30 W	30 W	
Supplementary Heater: Type of energy input	Electricity	Electricity	
Supplementary Heater: PSUP	1.40 kW	1.10 kW	
Annual energy consumption Qhe	3882 kWh	4447 kWh	

Domestic Hot Water (DHW)

Average Climate





EN 16147		
Declared load profile	XL	
Efficiency ηDHW	99 %	
СОР	2.34	
Heating up time	1:28 h:min	
Standby power input	85.0 W	
Reference hot water temperature	50.9 °C	
Mixed water at 40°C	226 I	



Model: NIBE AMS 10-8 + SHB10-12

Configure model			
Model name	NIBE AMS 10-8 + SHB10-12		
Application	Heating (medium temp)		
Units	Indoor + Outdoor		
Climate Zone	n/a		
Reversibility	Yes		
Cooling mode application (optional)	n/a		

General Data		
Power supply	1x230V 50Hz	

Heating

EN 14511-2			
	Low temperature	Medium temperature	
Heat output	8.34 kW	5.52 kW	
El input	1.89 kW	1.86 kW	
СОР	4.42	2.96	

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	35 dB(A)	35 dB(A)	
Sound power level outdoor	55 dB(A)	55 dB(A)	

EN 14825			
	Low temperature	Medium temperature	
η_{s}	172 %	127 %	
Prated	8.20 kW	7.00 kW	
SCOP	4.37	3.25	
Tbiv	-8 °C	-9 °C	
TOL	-10 °C	-10 °C	
Pdh Tj = -7°C	7.40 kW	6.30 kW	
COP Tj = -7°C	2.92	1.94	
Cdh Tj = -7 °C	0.97	0.97	
Pdh Tj = $+2$ °C	4.50 kW	3.90 kW	
COP Tj = +2°C	4.30	3.11	
Cdh Tj = +2 °C	0.97	0.97	
Pdh Tj = $+7^{\circ}$ C	2.90 kW	2.60 kW	
COP Tj = +7°C	5.41	4.42	
Cdh Tj = +7 °C	0.97	0.97	



Annual energy consumption Qhe

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Pdh Tj = 12°C 3.50 kW 3.70 kW $COPTj = 12^{\circ}C$ 6.51 5.93 Cdh Tj = +12 °C 0.97 0.97 Pdh Tj = Tbiv7.40 kW 6.60 kW COP Tj = Tbiv 2.86 1.83 Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh 6.80 kW 5.90 kW COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh 2.67 1.86 WTOL 65 °C 65 °C 2 W Poff 2 W PTO 15 W 10 W **PSB** 15 W 15 W **PCK** 30 W 30 W Supplementary Heater: Type of energy input Electricity Electricity Supplementary Heater: PSUP 1.40 kW 1.10 kW

3882 kWh

4447 kWh