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#### This information was generated by the HP KEYMARK database on 7 Jul 2022

#### Login

Summary of	NIBE AMS 10-8	Reg. No.	012-SC0604-18	
Certificate Holder	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 14511-4		
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	

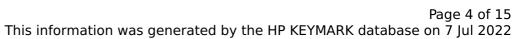
EN 14511-2		
Low temperature Medium temperature		
Heat output	3.86 kW	3.50 kW
El input	0.83 kW	1.19 kW
СОР	4.65	2.94

### **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
$\eta_{s}$	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





This information was gene	racea by the fir KETI	ANK database on 7 jul 2022
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



# 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 14511-4		
Operating range outdoor exchanger/indoor exchanger lower limit/lower limit	passed	
Operacing range outdoor exchanger/indoor exchanger lower inflictiower infliction	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	3.86 kW	3.50 kW
El input	0.83 kW	1.19 kW
СОР	4.65	2.94

### **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
$\eta_{s}$	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
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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
РСК	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



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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		
Units Indoor + Outdoor		
Climate Zone n/a		
Reversibility Yes		
Cooling mode application (optional) n/a		

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	8.34 kW	5.52 kW	
El input	1.89 kW	1.86 kW	
СОР	4.42	2.96	

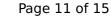
### **Average Climate**





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
$\eta_{s}$	172 %	127 %
Prated	8.20 kW	7.00 kW
SCOP	4.37	3.25
Tbiv	-8 °C	-9 °C
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Pdh Tj = +2°C	4.50 kW	3.90 kW
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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 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 14511-4		
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	8.34 kW	5.52 kW
El input	1.89 kW	1.86 kW
СОР	4.42	2.96

### **Average Climate**



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$\eta_{s}$	172 %	127 %
Prated	8.20 kW	7.00 kW
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Tbiv	-8 °C	-9 °C
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Pdh Tj = -7°C	7.40 kW	6.30 kW
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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°C	2.90 kW	2.60 kW
$COP Tj = +7^{\circ}C$	5.41	4.42
Cdh Tj = +7 °C	0.97	0.97



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Pdh Tj = 12°C	3.50 kW	3.70 kW
COP Tj = 12°C	6.51	5.93
Cdh Tj = +12 °C	0.97	0.97
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
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