

Summary of	NIBE AMS 10-12	Reg. No.	012-SC0605-18
Certificate Holder	:		
Name	Nibe AB		
Address	Box 14	Zip	S-28521
City	Markaryd	Country	Sweden
Certification Body	RISE CERT		
Subtype title	NIBE AMS 10-12		
Heat Pump Type	Outdoor Air/Water		
Refrigerant	R410a		
Mass Of Refrigerant	2.9 kg		
Certification Date	20.09.2018		
Testing basis	HP Keymark Scheme 2018		



Model: NIBE AMS 10-12 + HBS05-12

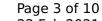
General Data	
Power supply 1x230V 50Hz	

Heating

EN 14511-2			
Low temperature Medium temperature			
Heat output	5.21 kW	4.73 kW	
El input	1.09 kW	1.54 kW	
СОР	4.78	3.07	

EN 14511-4		
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	35 dB(A)	35 dB(A)
Sound power level outdoor	58 dB(A)	58 dB(A)





EN 14825

	Low temperature	Medium temperature
η_{S}	174 %	132 %
Prated	11.50 kW	10.00 kW
SCOP	4.42	3.37
Tbiv	-7 °C	-8 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	10.30 kW	8.90 kW
COP Tj = -7° C	2.91	1.99
Pdh Tj = $+2$ °C	6.30 kW	5.50 kW
$COP Tj = +2^{\circ}C$	4.34	3.22
Pdh Tj = $+7^{\circ}$ C	4.10 kW	3.50 kW
$COP Tj = +7^{\circ}C$	5.51	4.61
Pdh Tj = 12°C	4.80 kW	5.00 kW
COP Tj = 12°C	6.96	6.25
Pdh Tj = Tbiv	10.20 kW	9.20 kW
COP Tj = Tbiv	2.89	1.90
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	9.30 kW	8.10 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.66	1.92
Cdh	0.97	0.98
WTOL	65 °C	65 °C

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This information was generated by the HP KEYMARK database on 22 Feb 2021

Poff	2 W	2 W
РТО	20 W	15 W
PSB	15 W	15 W
PCK	35 W	35 W
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	2.20 kW	1.90 kW
Annual energy consumption Qhe	5482 kWh	6136 kWh



Model: NIBE AMS 10-12 + HK200S-12

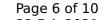
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Domestic Hot Water (DHW)

EN 16147		
Declared load profile	XL	
Efficiency ηDHW	98 %	
СОР	2.32	
Heating up time	1:00 h:min	
Standby power input	85.0 W	
Reference hot water temperature	51.0 °C	
Mixed water at 40°C	230	



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

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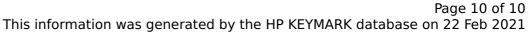




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