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### This information was generated by the HP KEYMARK database on 23 Jun 2022

#### <u>Login</u>

Summary of	S2125-12	Reg. No.	012-C700115			
Certificate Holder	Certificate Holder					
Name	Nibe AB	Nibe AB				
Address	Box 14	Zip	S-28521			
City	Markaryd	Country	Sweden			
Certification Body	RISE CERT	RISE CERT				
Subtype title	S2125-12	S2125-12				
Heat Pump Type	Outdoor Air/Wate	Outdoor Air/Water				
Refrigerant	R290	R290				
Mass of Refrigerant	0.8 kg	0.8 kg				
Certification Date	30.12.2021	30.12.2021				
Testing basis	EN 14511:2018,	EN 14511:2018, EN 14825:2018, EN 12102:2017				

# Model: S2125-12 3x400V

Configure model		
Model name	S2125-12 3x400V	
Application	Heating (medium temp)	
Units	Outdoor	
Climate Zone	Colder Climate	
Reversibility	Yes	
Cooling mode application (optional)	n/a	

General Data		
Power supply	3x400V 50Hz	

## Heating

EN 14511-2			
	Low temperature	Medium temperature	
Heat output	6.36 kW	7.91 kW	
El input	1.25 kW	2.44 kW	
СОР	5.10	3.25	

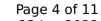
EN 14511-4	
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

## Colder Climate



EN 12102-1		
	Low temperature	Medium temperature
Sound power level outdoor	49 dB(A)	49 dB(A)

EN 14825		
	Low temperature	Medium temperature
$\eta_{s}$	163 %	131 %
Prated	8.40 kW	8.40 kW
SCOP	4.15	3.35
Tbiv	-15 °C	-15 °C
TOL	-22 °C	-22 °C
Pdh Tj = -7°C	5.04 kW	4.98 kW
COP Tj = -7°C	3.08	2.53
Cdh Tj = -7 °C	0.990	0.990
Pdh Tj = +2°C	3.11 kW	3.18 kW
COP Tj = +2°C	5.40	4.25
Cdh Tj = +2 °C	0.980	0.980
Pdh Tj = +7°C	2.24 kW	2.19 kW
COP Tj = +7°C	6.65	5.31
Cdh Tj = +7 °C	0.960	0.970
Pdh Tj = 12°C	2.47 kW	2.41 kW





#### This information was generated by the HP KEYMARK database on 23 Jun 2022 COP Tj = 12°C7.36 6.06 Cdh Tj = +12 °C 0.960 0.970 Pdh Tj = Tbiv6.87 kW 6.81 kW COP Tj = Tbiv2.61 2.13 Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh 5.67 kW 5.56 kW COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh 2.22 1.68 Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh 1.000 1.000 WTOL 65 °C 65 °C Poff 8 W 8 W PTO 13 W 13 W **PSB** 11 W 11 W **PCK** 5 W 5 W Supplementary Heater: Type of energy input n/a n/a Supplementary Heater: PSUP 2.70 kW 2.80 kW Annual energy consumption Qhe 4990 kWh 6189 kWh Pdh Tj = -15°C (if TOL<-20°C) 6.87 6.81

## **Average Climate**

Cdh Tj = -15  $^{\circ}$ C

COP Tj = -15°C (if TOL<-20°C)

2.61

1.000

2.13

1.000





EN 12102-1				
	Low temperature	Medium temperature		
Sound power level outdoor	49 dB(A)	49 dB(A)		

	EN 14825	
	Low temperature	Medium temperature
$\eta_{s}$	195 %	150 %
Prated	6.80 kW	7.60 kW
SCOP	4.96	3.83
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	5.47 kW	6.73 kW
COP Tj = -7°C	2.86	2.17
Cdh Tj = -7 °C	0.990	1.000
Pdh Tj = +2°C	3.64 kW	4.18 kW
COP Tj = +2°C	5.03	3.83
Cdh Tj = +2 °C	0.980	0.990
Pdh Tj = +7°C	2.44 kW	2.68 kW
$COP Tj = +7^{\circ}C$	6.49	5.12
Cdh Tj = +7 °C	0.970	0.980
Pdh Tj = 12°C	2.47 kW	2.40 kW



COP Tj = 12°C	7.36	5.87
Cdh Tj = +12 °C	0.960	0.970
Pdh Tj = Tbiv	6.63 kW	7.60 kW
COP Tj = Tbiv	2.51	2.11
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.63 kW	7.60 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.51	2.11
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.000	1.000
WTOL	65 °C	65 °C
Poff	8 W	8 W
РТО	13 W	13 W
PSB	11 W	11 W
PCK	5 W	5 W
Supplementary Heater: Type of energy input	n/a	n/a
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	2835 kWh	4102 kWh



# Model: S2125-12 1x230V

Configure model		
Model name	S2125-12 1x230V	
Application	Heating (medium temp)	
Units	Outdoor	
Climate Zone	Colder Climate	
Reversibility	Yes	
Cooling mode application (optional)	n/a	

General Data		
Power supply	1x230V 50Hz	

## Heating

EN 14511-2			
	Low temperature	Medium temperature	
Heat output	6.36 kW	7.91 kW	
El input	1.25 kW	2.44 kW	
СОР	5.10	3.25	

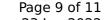
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## **Average Climate**





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Pdh Tj = 12°C	2.47 kW	2.40 kW	



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