

Subtype NIBE S2125-20

Certificate Holder	Nibe AB
Address	Box 14
ZIP	S-28521
City	Markaryd
Country	SE
Certification Body	RISE CERT
Subtype title	NIBE S2125-20
Registration number	012-C700273
Heat Pump Type	Outdoor Air/Water
Refrigerant	R290
Mass of Refrigerant	1.15 kg
Certification Date	26.06.2024
Testing basis	EN 14511:2022, EN 14825:2022, EN 12102:2022
Testing laboratory	RISE Research Institutes of Sweden

**Model NIBE S2125-20**

Model name	NIBE S2125-20
Application	Heating (medium temp)
Units	Outdoor
Climate zone (for heating)	Colder
Reversibility	Yes
Cooling mode application (optional)	n/a
Any additional heat sources	n/a

**General data**

Power supply	3x400V 50Hz
Off-peak product	n/a

**Outdoor Air/Water****EN 14511-4 | Heating**

Shutting off the heat transfer medium flow passed

Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

**EN 14511-2 | Heating**

	Low temperature	Medium temperature
Heat output	5.10 kW	4.84 kW
El input	0.92 kW	1.47 kW
COP	5.55	3.29

**EN 12102-1 | Average Climate**

	Low temperature	Medium temperature
Sound power level outdoor	55 dB(A)	55 dB(A)

**EN 14825 | Average Climate**

	Low temperature	Medium temperature
$\eta_s$	209 %	160 %
Prated	11.00 kW	11.00 kW
SCOP	5.30	4.08
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	9.76 kW	9.61 kW
COP Tj = -7°C	3.24	2.49
Cdh Tj = -7 °C	0.990	1.000
Pdh Tj = +2°C	5.76 kW	5.83 kW
COP Tj = +2°C	5.41	4.07
Cdh Tj = +2 °C	0.980	0.990
Pdh Tj = +7°C	5.23 kW	5.11 kW

COP Tj = +7°C	6.71	5.25
Cdh Tj = +7 °C	0.970	0.990
Pdh Tj = 12°C	5.77 kW	5.71 kW
COP Tj = 12°C	7.63	6.25
Cdh Tj = +12 °C	0.970	0.980
Pdh Tj = Tbiv	10.63 kW	10.49 kW
COP Tj = Tbiv	2.81	2.16
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	10.63 kW	10.49 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.81	2.16
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.000	1.000
WTOL	65 °C	65 °C
Poff	7 W	7 W
PTO	20 W	14 W
PSB	10 W	10 W
PCK	11 W	11 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	4288 kWh	5571 kWh

**EN 12102-1 | Colder Climate**

	Low temperature	Medium temperature
Sound power level outdoor	55 dB(A)	55 dB(A)

**EN 14825 | Colder Climate**

	Low temperature	Medium temperature
ηs	181 %	144 %
Prated	13.00 kW	14.00 kW
SCOP	4.60	3.69
Tbiv	-15 °C	-15 °C
TOL	-22 °C	-22 °C
Pdh Tj = -7°C	7.87 kW	7.95 kW
COP Tj = -7°C	3.82	3.00
Cdh Tj = -7 °C	0.990	0.990
Pdh Tj = +2°C	5.04 kW	5.29 kW
COP Tj = +2°C	5.87	4.69
Cdh Tj = +2 °C	0.980	0.990
Pdh Tj = +7°C	5.24 kW	5.26 kW
COP Tj = +7°C	6.91	5.75
Cdh Tj = +7 °C	0.970	0.980
Pdh Tj = 12°C	5.76 kW	5.74 kW
COP Tj = 12°C	7.56	6.48
Cdh Tj = +12 °C	0.970	0.980
Pdh Tj = Tbiv	10.63 kW	11.32 kW

COP Tj = Tbiv	2.60	2.06
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	9.35 kW	9.40 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.12	1.70
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.000	1.000
WTOL	65 °C	65 °C
Poff	7 W	7 W
PTO	20 W	14 W
PSB	10 W	10 W
PCK	11 W	11 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	3.60 kW	4.60 kW
Annual energy consumption Qhe	6960 kWh	9361 kWh
Pdh Tj = -15°C (if TOL)	10.63	11.32
COP Tj = -15°C (if TOL)	2.60	2.06
Cdh Tj = -15 °C	1.000	1.000

**Model NIBE S2125-20 1X230V**

Model name	NIBE S2125-20 1X230V
Application	Heating (medium temp)
Units	Outdoor
Climate zone (for heating)	Colder
Reversibility	Yes
Cooling mode application (optional)	n/a
Any additional heat sources	n/a

**General data**

Power supply	1x230V 50Hz
Off-peak product	n/a

**Outdoor Air/Water****EN 14511-4 | Heating**

Shutting off the heat transfer medium flow passed

Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

**EN 14511-2 | Heating**

	Low temperature	Medium temperature
Heat output	5.10 kW	4.84 kW
El input	0.92 kW	1.47 kW
COP	5.55	3.29

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