

Subtype NIBE AMS 20-6

Certificate Holder	Nibe AB
Address	Box 14
ZIP	S-28521
City	Markaryd
Country	SE
Certification Body	RISE CERT
Subtype title	NIBE AMS 20-6
Registration number	012-C700084
Heat Pump Type	Outdoor Air/Water
Refrigerant	R32
Mass of Refrigerant	1.3 kg
Certification Date	08.12.2020
Testing basis	EN 14511:2018, EN 14825:2018, EN 12102:2017.

Model NIBE AMS 20-6 + HBS 20-6

Model name	NIBE AMS 20-6 + HBS 20-6
Application	Heating (medium temp)
Units	Indoor, Outdoor
Climate zone (for heating)	n/a
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 12102-1 | Average Climate

	Low temperature	Medium temperature
Sound power level indoor	35 dB(A)	35 dB(A)
Sound power level outdoor	54 dB(A)	54 dB(A)

EN 14825 | Average Climate

	Low temperature	Medium temperature
η_s	200 %	139 %
Prated	5.20 kW	5.60 kW
SCOP	5.08	3.56
Tbiv	-10 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	4.54 kW	5.04 kW
COP Tj = -7°C	3.04	1.95
Cdh Tj = -7 °C	0.99	1.00
Pdh Tj = +2°C	2.70 kW	2.89 kW
COP Tj = +2°C	5.00	3.51
Cdh Tj = +2 °C	0.98	0.99
Pdh Tj = +7°C	1.78 kW	1.89 kW
COP Tj = +7°C	6.67	4.99
Cdh Tj = +7 °C	0.96	0.97
Pdh Tj = 12°C	1.83 kW	1.74 kW
COP Tj = 12°C	8.54	6.33
Cdh Tj = +12 °C	0.95	0.96
Pdh Tj = Tbiv	5.23 kW	5.04 kW

COP $T_j = T_{biv}$	2.61	1.95
$P_{dh} T_j = TOL$ or $P_{dh} T_j = T_{designh}$ if $TOL < T_{designh}$	5.23 kW	4.56 kW
COP $T_j = TOL$ or COP $T_j = T_{designh}$ if $TOL < T_{designh}$	2.61	1.74
WTOL	58 °C	58 °C
P _{off}	7 W	7 W
PTO	11 W	11 W
PSB	11 W	11 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	1.00 kW
Annual energy consumption Q _{he}	2116 kWh	3250 kWh

Model NIBE AMS 20-6 + SHB 20-6

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Application	Heating (medium temp)
Units	Indoor, Outdoor
Climate zone (for heating)	n/a
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

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