

This information was generated by the HP KEYMARK database on 17 Dec 2020

Summary of	S1155-25	Reg. No.	012-C700074
Certificate Holder			
Name	Nibe AB		
Address	Box 14	Zip	S-28521
City	Markaryd	Country	Sweden
Certification Body	RISE CERT		
Name of testing laboratory	RISE		
Subtype title	S1155-25		
Heat Pump Type	Brine/Water and Water/Water		
Refrigerant	R410a		
Mass Of Refrigerant	2.1 kg		
Certification Date	09.06.2020		
Testing basis	HP Keymark Scheme Rules rev 7		

## Model: S1155-25

### General Data

Power supply	3x400V 50Hz
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Brine/Water Heat Pump

### Heating

#### EN 14511-4

Starting and operating test	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	12.68 kW	11.58 kW
El input	2.71 kW	4.07 kW
COP	4.68	2.84
Indoor water flow rate	2.21 m <sup>3</sup> /h	1.26 m <sup>3</sup> /h

### Average Climate

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<b>EN 12102-1</b>		
	<b>Low temperature</b>	<b>Medium temperature</b>
Sound power level indoor	47 dB(A)	47 dB(A)

<b>EN 14825</b>		
	<b>Low temperature</b>	<b>Medium temperature</b>
$\eta_s$	200 %	150 %
Prated	25.00 kW	25.00 kW
SCOP	5.21	3.95
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	22.01 kW	21.71 kW
COP Tj = -7°C	4.24	2.98
Cdh	1.00	1.00
Pdh Tj = +2°C	13.77 kW	13.74 kW
COP Tj = +2°C	5.31	4.00
Cdh	1.00	1.00
Pdh Tj = +7°C	8.88 kW	8.44 kW
COP Tj = +7°C	5.77	4.55
Cdh	1.00	1.00
Pdh Tj = 12°C	7.52 kW	7.42 kW

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COP Tj = 12°C	5.79	4.72
Cdh	1.00	1.00
Pdh Tj = Tbiv	24.19 kW	23.86 kW
COP Tj = Tbiv	4.09	2.76
Pdh Tj = TOL	24.19 kW	23.86 kW
COP Tj = TOL	4.09	2.76
WTOL	65 °C	65 °C
Poff	16 W	16 W
PTO	0 W	0 W
PSB	22 W	22 W
PCK	8 W	8 W
Supplementary Heater: Type of energy input	electric	electric
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	9913 kWh	13063 kWh

Water/Water Heat Pump

## Heating

<b>EN 14511-2</b>		
	<b>Low temperature</b>	<b>Medium temperature</b>
Heat output	16.94 kW	15.19 kW
El input	2.67 kW	4.12 kW
COP	6.34	3.69
Indoor water flow rate	2.95 m <sup>3</sup> /h	1.66 m <sup>3</sup> /h

## Average Climate

<b>EN 12102-1</b>		
	<b>Low temperature</b>	<b>Medium temperature</b>
Sound power level indoor	47 dB(A)	47 dB(A)

<b>EN 14825</b>		
	<b>Low temperature</b>	<b>Medium temperature</b>
$\eta_s$	285 %	197 %
Prated	34.00 kW	31.00 kW
SCOP	7.32	5.14
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	30.08 kW	27.60 kW
COP Tj = -7°C	5.40	3.60

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Cdh	1.00	1.00
Pdh Tj = +2°C	18.30 kW	16.90 kW
COP Tj = +2°C	7.50	5.10
Cdh	0.99	0.99
Pdh Tj = +7°C	11.80 kW	10.90 kW
COP Tj = +7°C	8.50	6.36
Cdh	0.98	0.99
Pdh Tj = 12°C	8.60 kW	8.30 kW
COP Tj = 12°C	8.70	6.60
Cdh	0.97	0.98
Pdh Tj = Tbiv	34.00 kW	31.00 kW
COP Tj = Tbiv	5.10	3.42
Pdh Tj = TOL	34.00 kW	31.00 kW
COP Tj = TOL	5.10	3.42
WTOL	65 °C	65 °C
Poff	16 W	16 W
PTO	30 W	20 W
PSB	22 W	22 W
PCK	8 W	8 W
Supplementary Heater: Type of energy input	electric	electric
Supplementary Heater: PSUP	0.00 kW	0.00 kW

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Annual energy consumption $Q_{he}$	9598 kWh	12469 kWh
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