Login

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		
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

Configure model	
Model name	S1155-25
Application	Heating (medium temp)
Units	Indoor
Climate Zone	n/a
Reversibility	No
Cooling mode application (optional)	n/a

General Data	
Power supply	3x400V 50Hz

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

Average Climate

EN 12102-1

	Low temperature	Medium temperature
Sound power level indoor	47 dB(A)	47 dB(A)

EN 14825

	Low temperature	Medium temperature
η_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 Tj = -7 °C	1.00	1.00
Pdh Tj = +2°C	13.77 kW	13.74 kW
COP Tj = +2°C	5.31	4.00
Cdh Tj = +2 °C	1.00	1.00
Pdh Tj = +7°C	8.88 kW	8.44 kW
COP Tj = +7°C	5.77	4.55
Cdh Tj = +7 °C	1.00	1.00
Pdh Tj = 12°C	7.52 kW	7.42 kW

COP Tj = 12°C	5.79	4.72
Cdh Tj = +12 °C	1.00	1.00
Pdh Tj = Tbiv	24.19 kW	23.86 kW
COP Tj = Tbiv	4.09	2.76
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	24.19 kW	23.86 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	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	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	9913 kWh	13063 kWh

Water/Water Heat Pump

Heating

EN 14511-2		
	Low temperature	**Medium temperature**
Heat output	16.94 kW	15.19 kW
El input	2.67 kW	4.12 kW
COP	6.34	3.69

Average Climate

EN 12102-1		
	Low temperature	**Medium temperature**
Sound power level indoor	47 dB(A)	47 dB(A)

EN 14825		
	Low temperature	**Medium temperature**
η_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
Cdh Tj = -7 °C	1.00	1.00
Pdh Tj = +2°C	18.30 kW	16.90 kW
COP Tj = +2°C	7.50	5.10
Cdh Tj = +2 °C	0.99	0.99
Pdh Tj = +7°C	11.80 kW	10.90 kW
COP Tj = +7°C	8.50	6.36
Cdh Tj = +7 °C	0.98	0.99

Pdh Tj = 12°C	8.60 kW	8.30 kW
COP Tj = 12°C	8.70	6.60
Cdh Tj = +12 °C	0.97	0.98
Pdh Tj = Tbiv	34.00 kW	31.00 kW
COP Tj = Tbiv	5.10	3.42
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	34.00 kW	31.00 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	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	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	9598 kWh	12469 kWh