

Page 1 of 6

This information was generated by the HP KEYMARK database on 18 Mar 2022

Login

Summary of	F1345-24	Reg. No.	012-050	
Certificate Holder				
Name	Nibe AB			
Address	Box 14	Zip	S-28521	
City	Markaryd	Country	Sweden	
Certification Body	RISE CERT			
Subtype title	F1345-24			
Heat Pump Type	Brine/Water			
Refrigerant	R407c			
Mass of Refrigerant	4 kg			



Model: F1345-24

Configure model		
Model name	F1345-24	
Application	Heating (medium temp)	
Units	Indoor	
Climate Zone	Colder Climate	
Reversibility	No	
Cooling mode application (optional)	n/a	

General Data		
Power supply	3x400V 50Hz	

Heating

EN 14511-2			
	Low temperature	Medium temperature	
Heat output	23.00 kW	22.00 kW	
El input	4.90 kW	7.12 kW	
СОР	4.65	3.09	

EN 14511-4		
Operating range outdoor exchanger/indoor exchanger lower limit/lower limit	passed	
Operating range outdoor exchanger/indoor exchanger upper limit/upper limit	passed	
Shutting off the heat transfer medium flow	passed	
Complete power supply failure	passed	

Average Climate



This information was generated by the HP KEYMARK database on 18 Mar 2022

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}	185 %	143 %
Prated	28.00 kW	28.00 kW
SCOP	4.83	3.78
Tbiv	-6 °C	-5 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	23.60 kW	22.20 kW
COP Tj = -7°C	4.70	3.27
Pdh Tj = +2°C	23.80 kW	22.80 kW
COP Tj = +2°C	4.91	3.83
Pdh Tj = +7°C	12.00 kW	11.70 kW
COP Tj = +7°C	5.26	4.31
Pdh Tj = 12°C	12.10 kW	11.80 kW
COP Tj = 12°C	5.26	4.58
Pdh Tj = Tbiv	23.60 kW	22.40 kW
COP Tj = Tbiv	4.73	3.45

EHPA Secretariat | Rue dArlon 63-67 | Phone: +32 2 400 10 17 | Email: secretariat@heatpumpkeymark.com | www.heatpumpkeymark.com





This information was generated by the HP KEYMARK database on 18 Mar 2022

	1	
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	23.50 kW	22.00 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	4.57	3.10
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.98	0.99
WTOL	65 °C	65 °C
Poff	2 W	2 W
PTO	30 W	30 W
PSB	7 W	7 W
PCK	70 W	70 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	4.50 kW	6.00 kW
Annual energy consumption Qhe	11996 kWh	15287 kWh

Colder 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}	193 %	150 %
Prated	28.00 kW	28.00 kW



Page 5 of 6 This information was generated by the HP KEYMARK database on 18 Mar 2022

This information was general		
SCOP	5.03	3.95
Tbiv	-16 °C	-15 °C
TOL	-22 °C	-22 °C
Pdh Tj = -7°C	23.80 kW	22.70 kW
COP Tj = -7°C	4.98	3.73
Pdh Tj = +2°C	12.00 kW	11.60 kW
COP Tj = +2°C	5.28	4.26
Pdh Tj = +7°C	12.10 kW	11.80 kW
$COP Tj = +7^{\circ}C$	5.38	4.57
Pdh Tj = 12°C	12.10 kW	11.90 kW
COP Tj = 12°C	5.08	4.74
Pdh Tj = Tbiv	23.70 kW	22.40 kW
COP Tj = Tbiv	4.78	3.46
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	23.50 kW	22.00 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	4.57	3.10
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.98	0.99
WTOL	65 °C	65 °C
Poff	2 W	2 W
РТО	60 W	60 W
PSB	7 W	7 W
PCK	70 W	70 W



Page 6 of 6

This information was generated by the HP KEYMARK database on 18 Mar 2022

Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	4.50 kW	6.00 kW
Annual energy consumption Qhe	13740 kWh	17514 kWh