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Login

Summary of	F2050-6	Reg. No.	012-C700141
Certificate Holder			
Name	Nibe AB		
Address	Box 14	Zip	S-28521
City	Markaryd	Country	Sweden
Certification Body	RISE CERT		
Subtype title	F2050-6		
Heat Pump Type	Outdoor Air/Water		
Refrigerant	R32		
Mass of Refrigerant	1.3 kg		
Certification Date	07.06.2022		
Testing basis	HP Keymark Scheme Rules rev 9		

Model: F2050-6

Configure model	
Model name	F2050-6
Application	Heating (medium temp)
Units	Outdoor
Climate Zone	n/a
Reversibility	Yes
Cooling mode application (optional)	n/a

General Data	
Power supply	1x230V 50Hz

Heating

EN 14511-2		
	Low temperature	**Medium temperature**
Heat output	5.08 kW	4.16 kW
El input	0.98 kW	1.36 kW
COP	5.17	3.06

EN 14511-4	
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

Average Climate

EN 12102-1

	Low temperature	Medium temperature
Sound power level outdoor	53 dB(A)	53 dB(A)

EN 14825

	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	0.990	1.000
Pdh Tj = +2°C	2.70 kW	2.89 kW
COP Tj = +2°C	5.00	3.51
Cdh Tj = +2 °C	0.980	0.990
Pdh Tj = +7°C	1.78 kW	1.89 kW
COP Tj = +7°C	6.67	4.99
Cdh Tj = +7 °C	0.960	0.970
Pdh Tj = 12°C	1.83 kW	1.74 kW

COP Tj = 12°C	8.54	6.33
Cdh Tj = +12 °C	0.950	0.960
Pdh Tj = Tbiv	5.23 kW	5.04 kW
COP Tj = Tbiv	2.61	1.95
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.23 kW	4.56 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.61	1.75
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.000	1.000
WTOL	58 °C	58 °C
Poff	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	n/a	n/a
Supplementary Heater: PSUP	0.00 kW	1.00 kW
Annual energy consumption Qhe	2116 kWh	3250 kWh