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

#### Login

Summary of	F7x0	Reg. No.	012-025		
Certificate Holder	Certificate Holder				
Name	Nibe AB				
Address	Box 14	Zip	S-28521		
City	Markaryd	Country	Sweden		
Certification Body	RISE CERT				
Subtype title	F7x0				
Heat Pump Type	Exhaust Air/Water				
Refrigerant	R407c				
Mass of Refrigerant	0.74 kg				



# Model: F730

Configure model		
Model name	F730	
Application	Heating + DHW + low temp	
Units	Indoor	
Climate Zone	Colder Climate + Warmer Climate	
Reversibility	No	
Cooling mode application (optional)	n/a	

General Data		
Power supply	1x230V 50Hz	
Off-peak product	No	

# Heating

EN 14511-2			
	Low temperature	Medium temperature	
Heat output	3.19 kW	3.52 kW	
El input	0.92 kW	1.51 kW	
СОР	3.47	2.33	

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	



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	44 dB(A)	44 dB(A)

EN 14825		
	Low temperature	Medium temperature
$\eta_{s}$	172 %	132 %
Prated	4.50 kW	4.50 kW
SCOP	4.38	3.38
Tbiv	-5 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	3.50 kW	4.00 kW
COP Tj = -7°C	3.20	2.30
Pdh Tj = +2°C	2.60 kW	2.80 kW
COP Tj = +2°C	4.50	3.30
Pdh Tj = +7°C	1.60 kW	1.70 kW
COP Tj = +7°C	5.80	4.30
Pdh Tj = 12°C	1.50 kW	1.70 kW
COP Tj = 12°C	5.50	4.20
Pdh Tj = Tbiv	3.60 kW	4.00 kW
COP Tj = Tbiv	3.20	2.30

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Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh			
Rated airflow rate  180 m³/h  180 m³	Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	3.60 kW	3.60 kW
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh WTOL 65 °C 65 °C  Poff 3 W 20 W 20 W  PSB 20 W 20 W  PCK 0 W  Supplementary Heater: Type of energy input Electricity Electricity  Supplementary Heater: PSUP 0.90 kW 0.90 kW	COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.10	2.30
WTOL 65 °C 65 °C  Poff 3 W 3 W  PTO 20 W 20 W  PSB 20 W 20 W  PCK 0 W  Supplementary Heater: Type of energy input Electricity Electricity  Supplementary Heater: PSUP 0.90 kW 0.90 kW	Rated airflow rate	180 m³/h	180 m³/h
Poff 3 W 3 W  PTO 20 W 20 W  PSB 20 W 20 W  PCK 0 W 0 W  Supplementary Heater: Type of energy input Electricity Electricity  Supplementary Heater: PSUP 0.90 kW 0.90 kW	Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.93	0.97
PTO 20 W 20 W  PSB 20 W 20 W  PCK 0 W 0 W  Supplementary Heater: Type of energy input Electricity Electricity  Supplementary Heater: PSUP 0.90 kW 0.90 kW	WTOL	65 °C	65 °C
PSB 20 W 20 W  PCK 0 W 0 W  Supplementary Heater: Type of energy input Electricity Electricity  Supplementary Heater: PSUP 0.90 kW 0.90 kW	Poff	3 W	3 W
PCK 0 W 0 W  Supplementary Heater: Type of energy input Electricity Electricity  Supplementary Heater: PSUP 0.90 kW 0.90 kW	PTO	20 W	20 W
Supplementary Heater: Type of energy input Electricity Electricity  Supplementary Heater: PSUP 0.90 kW 0.90 kW	PSB	20 W	20 W
Supplementary Heater: PSUP 0.90 kW 0.90 kW	PCK	0 W	0 W
	Supplementary Heater: Type of energy input	Electricity	Electricity
Annual energy consumption Qhe 2758 kWh 2756 kWh	Supplementary Heater: PSUP	0.90 kW	0.90 kW
	Annual energy consumption Qhe	2758 kWh	2756 kWh

# Warmer Climate

EN 12102-1			
	Low temperature	Medium temperature	
Sound power level indoor	44 dB(A)	44 dB(A)	

EN 14825		
	Low temperature	Medium temperature
$\eta_s$	174 %	133 %





Prated	4.50 kW	4.50 kW
SCOP	4.43	3.40
Tbiv	5 °C	4 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	3.60 kW	3.60 kW
COP Tj = +2°C	3.10	2.30
Pdh Tj = $+7^{\circ}$ C	2.90 kW	2.90 kW
COP Tj = +7°C	3.90	3.00
Pdh Tj = 12°C	1.50 kW	1.70 kW
COP Tj = 12°C	5.90	4.30
Pdh Tj = Tbiv	3.60 kW	3.90 kW
COP Tj = Tbiv	3.30	2.30
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	3.60 kW	3.60 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.10	2.30
Rated airflow rate	180 m³/h	180 m³/h
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.94	0.97
WTOL	60 °C	60 °C
Poff	3 W	3 W
РТО	20 W	20 W
PSB	20 W	20 W
PCK	o w	0 W





Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.90 kW	0.90 kW
Annual energy consumption Qhe	1359 kWh	1766 kWh

## Colder Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	44 dB(A)	44 dB(A)

EN 14825		
	Low temperature	Medium temperature
$\eta_{s}$	183 %	140 %
Prated	4.50 kW	4.50 kW
SCOP	4.65	3.58
Tbiv	-12 °C	-15 °C
TOL	-22 °C	-22 °C
Pdh Tj = -7°C	2.80 kW	2.80 kW
COP Tj = -7°C	4.30	3.10
Pdh Tj = +2°C	1.70 kW	1.70 kW
COP Tj = +2°C	5.40	4.20
Pdh Tj = +7°C	1.50 kW	1.70 kW

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		TR database on 10 Mai 202.
$COPTj = +7^{\circ}C$	5.90	4.30
Pdh Tj = 12°C	1.50 kW	1.70 kW
COP Tj = 12°C	4.90	4.00
Pdh Tj = Tbiv	3.30 kW	3.80 kW
COP Tj = Tbiv	3.40	2.50
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	3.60 kW	3.60 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.10	2.30
Rated airflow rate	180 m³/h	180 m³/h
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.92	0.96
WTOL	65 °C	65 °C
Poff	3 W	3 W
РТО	20 W	20 W
PSB	20 W	20 W
РСК	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.90 kW	0.90 kW
Annual energy consumption Qhe	2389 kWh	3105 kWh
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# Domestic Hot Water (DHW)

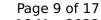


EN 16147		
Declared load profile	L	
Efficiency ηDHW	91 %	
СОР	2.28	
Heating up time	04:30 h:min	
Standby power input	50.0 W	
Reference hot water temperature	51.0 °C	
Mixed water at 40°C	210	

## Warmer Climate

EN 16147		
Declared load profile	L	
Efficiency ηDHW	91 %	
СОР	2.28	
Heating up time	04:30 h:min	
Standby power input	50.0 W	
Reference hot water temperature	51.0 °C	
Mixed water at 40°C	210	

## Colder Climate





EN 16147		
Declared load profile	L	
Efficiency ηDHW	91 %	
СОР	2.28	
Heating up time	04:30 h:min	
Standby power input	50.0 W	
Reference hot water temperature	51.0 °C	
Mixed water at 40°C	210	



# Model: F750

Configure model		
Model name F750		
Application	Heating + DHW + low temp	
Units	Indoor	
Climate Zone	Colder Climate + Warmer Climate	
Reversibility	No	
Cooling mode application (optional)	n/a	

General Data	
Power supply	3x400V 50Hz
Off-peak product	No

# Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	3.19 kW	3.52 kW
El input	0.92 kW	1.51 kW
СОР	3.47	2.33

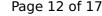
EN 14511-4		
Operating range outdoor exchanger/indoor exchanger lower limit/lower limit	passed	
Operating range outdoor exchanger/indoor exchanger upper limit/upper limit	passed	
Shutting off the heat transfer medium flow	passed	
Complete power supply failure	passed	



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	44 dB(A)	44 dB(A)

EN 14825		
	Low temperature	Medium temperature
$\eta_{s}$	172 %	132 %
Prated	4.50 kW	4.50 kW
SCOP	4.38	3.38
Tbiv	-5 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	3.50 kW	4.00 kW
COP Tj = -7°C	3.20	2.30
Pdh Tj = +2°C	2.60 kW	2.80 kW
COP Tj = +2°C	4.50	3.30
Pdh Tj = +7°C	1.60 kW	1.70 kW
$COP Tj = +7^{\circ}C$	5.80	4.30
Pdh Tj = 12°C	1.50 kW	1.70 kW
COP Tj = 12°C	5.50	4.20
Pdh Tj = Tbiv	3.60 kW	4.00 kW
COP Tj = Tbiv	3.20	2.30

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Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	3.60 kW	3.60 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.10	2.30
Rated airflow rate	180 m³/h	180 m³/h
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.93	0.97
WTOL	65 °C	65 °C
Poff	3 W	3 W
PTO	20 W	20 W
PSB	20 W	20 W
PCK	o w	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.90 kW	0.90 kW
Annual energy consumption Qhe	2758 kWh	2756 kWh

## Warmer Climate

EN 12102-1			
	Low temperature	Medium temperature	
Sound power level indoor	44 dB(A)	44 dB(A)	

EN 14825		
	Low temperature	Medium temperature
$\eta_{s}$	174 %	133 %





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Prated	4.50 kW	4.50 kW
SCOP	4.43	3.40
Tbiv	5 °C	4 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	3.60 kW	3.60 kW
$COP Tj = +2^{\circ}C$	3.10	2.30
Pdh Tj = $+7^{\circ}$ C	2.90 kW	2.90 kW
$COP Tj = +7^{\circ}C$	3.90	3.00
Pdh Tj = 12°C	1.50 kW	1.70 kW
COP Tj = 12°C	5.90	4.30
Pdh Tj = Tbiv	3.60 kW	3.90 kW
COP Tj = Tbiv	3.30	2.30
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	3.60 kW	3.60 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.10	2.30
Rated airflow rate	180 m³/h	180 m³/h
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.94	0.97
WTOL	60 °C	60 °C
Poff	3 W	3 W
РТО	20 W	20 W
PSB	20 W	20 W
PCK	o w	0 W





Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.90 kW	0.90 kW
Annual energy consumption Qhe	1359 kWh	1766 kWh

## Colder Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	44 dB(A)	44 dB(A)

EN 14825		
	Low temperature	Medium temperature
$\eta_{s}$	183 %	140 %
Prated	4.50 kW	4.50 kW
SCOP	4.65	3.58
Tbiv	-12 °C	-15 °C
TOL	-22 °C	-22 °C
Pdh Tj = -7°C	2.80 kW	2.80 kW
$COP Tj = -7^{\circ}C$	4.30	3.10
Pdh Tj = +2°C	1.70 kW	1.70 kW
COP Tj = +2°C	5.40	4.20
Pdh Tj = +7°C	1.50 kW	1.70 kW





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$COP Tj = +7^{\circ}C$	5.90	4.30
Pdh Tj = 12°C	1.50 kW	1.70 kW
COP Tj = 12°C	4.90	4.00
Pdh Tj = Tbiv	3.30 kW	3.80 kW
COP Tj = Tbiv	3.40	2.50
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	3.60 kW	3.60 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.10	2.30
Rated airflow rate	180 m³/h	180 m³/h
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.92	0.96
WTOL	65 °C	65 °C
Poff	3 W	3 W
РТО	20 W	20 W
PSB	20 W	20 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.90 kW	0.90 kW
Annual energy consumption Qhe	2389 kWh	3105 kWh

# Domestic Hot Water (DHW)

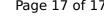


EN 16147		
Declared load profile	L	
Efficiency ηDHW	91 %	
СОР	2.28	
Heating up time	04:30 h:min	
Standby power input	50.0 W	
Reference hot water temperature	51.0 °C	
Mixed water at 40°C	210	

## Warmer Climate

EN 16147		
Declared load profile	L	
Efficiency ηDHW	91 %	
СОР	2.28	
Heating up time	04:30 h:min	
Standby power input	50.0 W	
Reference hot water temperature	51.0 °C	
Mixed water at 40°C	210	

## Colder Climate





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EN 16147		
Declared load profile	L	
Efficiency ηDHW	91 %	
СОР	2.28	
Heating up time	04:30 h:min	
Standby power input	50.0 W	
Reference hot water temperature	51.0 °C	
Mixed water at 40°C	210	