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

#### Login

Summary of	Fx70	Reg. No.	012-036	
Certificate Holder				
Name	Nibe AB	Nibe AB		
Address	Box 14	Zip	S-28521	
City	Markaryd	Country	Sweden	
Certification Body	RISE CERT	RISE CERT		
Subtype title	Fx70			
Heat Pump Type	Exhaust Air/Water			
Refrigerant	R290			
Mass of Refrigerant	0.4 kg			
Certification Date	15.06.2017			
Testing basis	HP Keymark Scheme 2017			



## Model: F370 1x230

Configure model		
Model name	F370 1x230	
Application	Heating + DHW + low temp	
Units	Indoor	
Climate Zone	Colder Climate	
Reversibility	No	
Cooling mode application (optional) n/a		

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

### Heating

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 14511-2		
	Low temperature	Medium temperature
Heat output	1.68 kW	1.68 kW
El input	0.46 kW	0.66 kW
СОР	3.67	2.55

## 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
$\eta_{s}$	131 %	110 %
Prated	2.60 kW	2.60 kW
SCOP	3.35	2.82
Tbiv	-2 °C	-2 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	1.70 kW	1.70 kW
COP Tj = -7°C	3.78	2.72
Pdh Tj = +2°C	1.70 kW	1.70 kW
COP Tj = +2°C	3.98	3.22
Pdh Tj = +7°C	1.70 kW	1.70 kW
COP Tj = +7°C	1.96	3.37
Pdh Tj = 12°C	1.70 kW	1.70 kW
COP Tj = 12°C	3.65	3.28
Pdh Tj = Tbiv	1.70 kW	1.70 kW
COP Tj = Tbiv	3.91	3.04





Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.70 kW	1.70 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.71	2.56
Rated airflow rate	180 m³/h	180 m³/h
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.95	0.96
WTOL	65 °C	65 °C
Poff	2 W	2 W
РТО	20 W	20 W
PSB	15 W	15 W
PCK	24 W	24 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.90 kW	0.90 kW
Annual energy consumption Qhe	1598 kWh	1898 kWh

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

EN 14825		
	Low temperature	Medium temperature
$\eta_{s}$	139 %	116 %





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Prated	2.60 kW	2.60 kW		
SCOP	3.55	2.97		
Tbiv	-10 °C	-10 °C		
TOL	-22 °C	-22 °C		
Pdh Tj = -7°C	1.70 kW	1.70 kW		
COP Tj = -7°C	4.04	3.16		
Pdh Tj = +2°C	1.70 kW	1.70 kW		
COP Tj = +2°C	3.99	3.34		
Pdh Tj = +7°C	1.70 kW	1.70 kW		
$COPTj = +7^{\circ}C$	3.88	3.41		
Pdh Tj = 12°C	1.70 kW	1.70 kW		
COP Tj = 12°C	3.35	3.11		
Pdh Tj = Tbiv	1.70 kW	1.70 kW		
COP Tj = Tbiv	4.00	3.07		
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.70 kW	1.70 kW		
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.71	2.56		
Rated airflow rate	180 m³/h	180 m³/h		
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.95	0.96		
WTOL	65 °C	65 °C		
Poff	2 W	2 W		
РТО	20 W	20 W		



PSB	15 W	15 W
PCK	24 W	24 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.90 kW	0.90 kW
Annual energy consumption Qhe	1808 kWh	2162 kWh

### Domestic Hot Water (DHW)

## **Average Climate**

EN 16147		
Declared load profile	L	
Efficiency ηDHW	75 %	
СОР	1.90	
Heating up time	07:16 h:min	
Standby power input	85.0 W	
Reference hot water temperature	50.2 °C	
Mixed water at 40°C	217	



EN 16147		
Declared load profile	L	
Efficiency ηDHW	75 %	
СОР	1.90	
Heating up time	07:16 h:min	
Standby power input	85.0 W	
Reference hot water temperature	50.2 °C	
Mixed water at 40°C	217	



# Model: F370 3x400

Configure model		
Model name F370 3x400		
Application	Heating + DHW + low temp	
Units	Indoor	
Climate Zone	Colder Climate	
Reversibility	No	
Cooling mode application (optional)	n/a	

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

## Heating

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		
Complete power supply failure	passed	

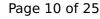
EN 14511-2			
Low temperature Medium temperature			
Heat output	1.68 kW	1.68 kW	
El input	0.46 kW	0.66 kW	
СОР	3.67	2.55	

## **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
$\eta_{s}$	131 %	110 %
Prated	2.60 kW	2.60 kW
SCOP	3.35	2.82
Tbiv	-2 °C	-2 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	1.70 kW	1.70 kW
COP Tj = -7°C	3.78	2.72
Pdh Tj = +2°C	1.70 kW	1.70 kW
COP Tj = +2°C	3.98	3.22
Pdh Tj = +7°C	1.70 kW	1.70 kW
COP Tj = +7°C	1.96	3.37
Pdh Tj = 12°C	1.70 kW	1.70 kW
COP Tj = 12°C	3.65	3.28
Pdh Tj = Tbiv	1.70 kW	1.70 kW
COP Tj = Tbiv	3.91	3.04





Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.70 kW	1.70 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.71	2.56
Rated airflow rate	180 m³/h	180 m³/h
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.95	0.96
WTOL	65 °C	65 °C
Poff	2 W	2 W
РТО	20 W	20 W
PSB	15 W	15 W
PCK	24 W	24 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.90 kW	0.90 kW
Annual energy consumption Qhe	1598 kWh	1898 kWh

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

EN 14825		
	Low temperature	Medium temperature
$\eta_s$	139 %	116 %





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Prated	2.60 kW	2.60 kW		
SCOP	3.55	2.97		
Tbiv	-10 °C	-10 °C		
TOL	-22 °C	-22 °C		
Pdh Tj = -7°C	1.70 kW	1.70 kW		
COP Tj = -7°C	4.04	3.16		
Pdh Tj = +2°C	1.70 kW	1.70 kW		
COP Tj = +2°C	3.99	3.34		
Pdh Tj = $+7$ °C	1.70 kW	1.70 kW		
COP Tj = +7°C	3.88	3.41		
Pdh Tj = 12°C	1.70 kW	1.70 kW		
COP Tj = 12°C	3.35	3.11		
Pdh Tj = Tbiv	1.70 kW	1.70 kW		
COP Tj = Tbiv	4.00	3.07		
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.70 kW	1.70 kW		
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.71	2.56		
Rated airflow rate	180 m³/h	180 m³/h		
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.95	0.96		
WTOL	65 °C	65 °C		
Poff	2 W	2 W		
РТО	20 W	20 W		

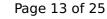


PSB	15 W	15 W
PCK	24 W	24 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.90 kW	0.90 kW
Annual energy consumption Qhe	1808 kWh	2162 kWh

### Domestic Hot Water (DHW)

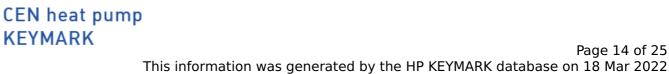
## **Average Climate**

EN 16147		
Declared load profile	L	
Efficiency ηDHW	75 %	
СОР	1.90	
Heating up time	07:16 h:min	
Standby power input	85.0 W	
Reference hot water temperature	50.2 °C	
Mixed water at 40°C	217	





EN 16147		
Declared load profile	L	
Efficiency ηDHW	75 %	
СОР	1.90	
Heating up time	07:16 h:min	
Standby power input	85.0 W	
Reference hot water temperature	50.2 °C	
Mixed water at 40°C	217	



Model: F470 1x230

Configure model		
Model name	F470 1x230	
Application	Heating + DHW + low temp	
Units	Indoor	
Climate Zone	Colder Climate	
Reversibility	No	

n/a

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

### Heating

Cooling mode application (optional)

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		
Complete power supply failure	passed	

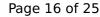
EN 14511-2		
	Low temperature	Medium temperature
Heat output	1.68 kW	1.68 kW
El input	0.46 kW	0.66 kW
СОР	3.67	2.55

#### **Average Climate**



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	52 dB(A)	52 dB(A)

EN 14825		
	Low temperature	Medium temperature
$\eta_{s}$	140 %	116 %
Prated	2.60 kW	2.60 kW
SCOP	3.57	2.97
Tbiv	-2 °C	-2 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	1.70 kW	1.70 kW
COP Tj = -7°C	3.78	2.72
Pdh Tj = +2°C	1.70 kW	1.70 kW
COP Tj = +2°C	3.98	3.22
Pdh Tj = +7°C	1.70 kW	1.70 kW
COP Tj = +7°C	1.96	3.37
Pdh Tj = 12°C	1.70 kW	1.70 kW
COP Tj = 12°C	3.65	3.28
Pdh Tj = Tbiv	1.70 kW	1.70 kW
COP Tj = Tbiv	3.91	3.04





Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.70 kW	1.70 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.71	2.56
Rated airflow rate	180 m³/h	180 m³/h
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.95	0.96
WTOL	65 °C	65 °C
Poff	2 W	2 W
РТО	20 W	20 W
PSB	15 W	15 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	1505 kWh	1806 kWh

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	52 dB(A)	52 dB(A)

EN 14825		
	Low temperature	Medium temperature
$\eta_{S}$	145 %	120 %





Inis information was generated by the HP KEYMARK database on 18 Mar 2022				
Prated	2.60 kW	2.60 kW		
SCOP	3.70	3.07		
Tbiv	-10 °C	-10 °C		
TOL	-22 °C	-22 °C		
Pdh Tj = -7°C	1.70 kW	1.70 kW		
COP Tj = -7°C	4.04	3.16		
Pdh Tj = +2°C	1.70 kW	1.70 kW		
COP Tj = +2°C	3.99	3.34		
Pdh Tj = $+7^{\circ}$ C	1.70 kW	1.70 kW		
$COPTj = +7^{\circ}C$	3.88	3.41		
Pdh Tj = 12°C	1.70 kW	1.70 kW		
COP Tj = 12°C	3.35	3.11		
Pdh Tj = Tbiv	1.70 kW	1.70 kW		
COP Tj = Tbiv	4.00	3.07		
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.70 kW	1.70 kW		
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.71	2.56		
Rated airflow rate	180 m³/h	180 m³/h		
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.95	0.96		
WTOL	65 °C	65 °C		
Poff	2 W	2 W		
РТО	20 W	20 W		

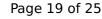


PSB	15 W	15 W
PCK	o w	o w
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.90 kW	0.90 kW
Annual energy consumption Qhe	1737 kWh	2091 kWh

### Domestic Hot Water (DHW)

## Average Climate

EN 16147		
Declared load profile	L	
Efficiency ηDHW	79 %	
СОР	2.00	
Heating up time	07:16 h:min	
Standby power input	65.0 W	
Reference hot water temperature	50.2 °C	
Mixed water at 40°C	217	





EN 16147	
Declared load profile	L
Efficiency ηDHW	79 %
СОР	2.00
Heating up time	07:16 h:min
Standby power input	65.0 W
Reference hot water temperature	50.2 °C
Mixed water at 40°C	217



## Model: F470 3x400

Configure model		
Model name	F470 3x400	
Application	Heating + DHW + low temp	
Units	Indoor	
Climate Zone	Colder Climate	
Reversibility	No	
Cooling mode application (optional)	n/a	

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

## Heating

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 14511-2		
	Low temperature	Medium temperature
Heat output	1.68 kW	1.68 kW
El input	0.46 kW	0.66 kW
СОР	3.67	2.55

### Average Climate



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	52 dB(A)	52 dB(A)

EN 14825		
	Low temperature	Medium temperature
$\eta_{s}$	140 %	116 %
Prated	2.60 kW	2.60 kW
SCOP	3.57	2.97
Tbiv	-2 °C	-2 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	1.70 kW	1.70 kW
COP Tj = -7°C	3.78	2.72
Pdh Tj = +2°C	1.70 kW	1.70 kW
COP Tj = +2°C	3.98	3.22
Pdh Tj = +7°C	1.70 kW	1.70 kW
COP Tj = +7°C	1.96	3.37
Pdh Tj = 12°C	1.70 kW	1.70 kW
COP Tj = 12°C	3.65	3.28
Pdh Tj = Tbiv	1.70 kW	1.70 kW
COP Tj = Tbiv	3.91	3.04





Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.70 kW	1.70 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.71	2.56
Rated airflow rate	180 m³/h	180 m³/h
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.95	0.96
WTOL	65 °C	65 °C
Poff	2 W	2 W
РТО	20 W	20 W
PSB	15 W	15 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	1505 kWh	1806 kWh

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	52 dB(A)	52 dB(A)

EN 14825			
	Low temperature	Medium temperature	
$\eta_{s}$	145 %	120 %	





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Prated	2.60 kW	2.60 kW
SCOP	3.70	3.07
Tbiv	-10 °C	-10 °C
TOL	-22 °C	-22 °C
Pdh Tj = -7°C	1.70 kW	1.70 kW
COP Tj = -7°C	4.04	3.16
Pdh Tj = +2°C	1.70 kW	1.70 kW
COP Tj = +2°C	3.99	3.34
Pdh Tj = $+7^{\circ}$ C	1.70 kW	1.70 kW
$COP Tj = +7^{\circ}C$	3.88	3.41
Pdh Tj = 12°C	1.70 kW	1.70 kW
COP Tj = 12°C	3.35	3.11
Pdh Tj = Tbiv	1.70 kW	1.70 kW
COP Tj = Tbiv	4.00	3.07
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.70 kW	1.70 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.71	2.56
Rated airflow rate	180 m³/h	180 m³/h
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.95	0.96
WTOL	65 °C	65 °C
Poff	2 W	2 W
РТО	20 W	20 W



PSB	15 W	15 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	1737 kWh	2091 kWh

### Domestic Hot Water (DHW)

## Average Climate

EN 16147			
Declared load profile	L		
Efficiency ηDHW	79 %		
COP	2.00		
	07:16 h:min		
Heating up time			
Standby power input	65.0 W		
Reference hot water temperature	50.2 °C		
Mixed water at 40°C	217 I		



EN 16147		
Declared load profile	L	
Efficiency ηDHW	79 %	
СОР	2.00	
Heating up time	07:16 h:min	
Standby power input	65.0 W	
Reference hot water temperature	50.2 °C	
Mixed water at 40°C	217	