

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



Model: F370 1x230

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	
Indoor water flow rate	0.29 m³/h	0.18 m³/h	

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}	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	1.70 kW	1.70 kW
COP Tj = TOL	3.71	2.56
Rated airflow rate	180 m³/h	180 m³/h
Cdh	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
η_{S}	139 %	116 %





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
$COP Tj = +7^{\circ}C$	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	1.70 kW	1.70 kW
COP Tj = TOL	3.71	2.56
Rated airflow rate	180 m³/h	180 m³/h
Cdh	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

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
Indoor water flow rate	0.29 m³/h	0.18 m³/h

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}	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	1.70 kW	1.70 kW
COP Tj = TOL	3.71	2.56
Rated airflow rate	180 m³/h	180 m³/h
Cdh	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
η_{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	
$COPTj = -7^{\circ}C$	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	1.70 kW	1.70 kW	
COP Tj = TOL	3.71	2.56	
Rated airflow rate	180 m³/h	180 m³/h	
Cdh	0.95	0.96	
WTOL	65 °C	65 °C	
Poff	2 W	2 W	
РТО	20 W	20 W	

2162 kWh



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

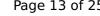
1808 kWh

Domestic Hot Water (DHW)

Annual energy consumption Qhe

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	





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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

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
Indoor water flow rate	0.29 m³/h	0.18 m³/h

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
η_{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	1.70 kW	1.70 kW
COP Tj = TOL	3.71	2.56
Rated airflow rate	180 m³/h	180 m³/h
Cdh	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
η_{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°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	1.70 kW	1.70 kW		
COP Tj = TOL	3.71	2.56		
Rated airflow rate	180 m³/h	180 m³/h		
Cdh	0.95	0.96		
WTOL	65 °C	65 °C		
Poff	2 W	2 W		
РТО	20 W	20 W		
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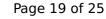


PSB	15 W	15 W
PCK	o w	0 W
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	0.90 kW	0.90 kW
Annual energy consumption Qhe	1737 kWh	2091 kWh

Domestic Hot Water (DHW)

Average Climate

EN 16147		
Declared load profile	L	
Efficiency ηDHW	79 %	
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

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	
Indoor water flow rate	0.29 m³/h	0.18 m³/h	

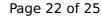
Average Climate



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

EN 14825		
	Low temperature	Medium temperature
η_{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





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Pdh Tj = TOL	1.70 kW	1.70 kW
COP Tj = TOL	3.71	2.56
Rated airflow rate	180 m³/h	180 m³/h
Cdh	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
η_{S}	145 %	120 %





This information was generated by the HP KEYMARK database on 17 Dec 2020			
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°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	1.70 kW	1.70 kW	
COP Tj = TOL	3.71	2.56	
Rated airflow rate	180 m³/h	180 m³/h	
Cdh	0.95	0.96	
WTOL	65 °C	65 °C	
Poff	2 W	2 W	
РТО	20 W	20 W	

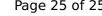


PSB	15 W	15 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	0.90 kW	0.90 kW
Annual energy consumption Qhe	1737 kWh	2091 kWh

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	





 $$\operatorname{\textit{Page}}\xspace$ 25 of 25 This information was generated by the HP KEYMARK database on 17 Dec 2020

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