Subtype Fx7x

Certificate Holder	Nibe AB
Address	Box 14
ZIP	S-28521
City	Markaryd
Country	SE
Certification Body	RISE CERT
Subtype title	Fx7x
Registration number	012-036
Heat Pump Type	Exhaust Air/Water
Refrigerant	R290
Mass of Refrigerant	0.4 kg
Certification Date	06.11.2024
Testing basis	HP Keymark Scheme 2017
Testing laboratory	RISE Research Institutes of Sweden

Model F370 1x230

Model name	F370 1x230
Application	Heating + DHW + low temp
Units	Indoor
Climate zone (for heating)	Colder Climate
Cooling mode application (optional)	n/a
Any additional heat sources	n/a

General data

Power supply	1x230V 50Hz
Off-peak product	No

Exhaust Air/Water

EN 16147 | Average Climate

Declared load profile	L
Efficiency ηDHW	75 %
COP	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 l

EN 16147 | Colder Climate

Declared load profile	L
Efficiency ηDHW	75 %
COP	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 l

EN 14511-4 | Heating

Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed

EN 14511-2 | Heating

	Low temperature	Medium temperature
Heat output	2.18 kW	1.86 kW
El input	0.55 kW	0.68 kW
COP	3.93	2.74

EN 12102-1 | Average Climate

	Low temperature	Medium temperature

Sound power level indoor	47 dB(A)	47 dB(A)

EN 14825 | Average Climate

	Low temperature	Medium temperature
ηs	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
Cdh Tj = -7 °C	0.950	0.950
Pdh Tj = +2°C	1.70 kW	1.70 kW
COP Tj = +2°C	3.98	3.22
Cdh Tj = +2 °C	0.950	0.950
Pdh Tj = +7°C	1.70 kW	1.70 kW
COP Tj = +7°C	3.96	3.37
Cdh Tj = +7 °C	0.950	0.950
Pdh Tj = 12°C	1.70 kW	1.70 kW
COP Tj = 12°C	3.65	3.28
Cdh Tj = +12 °C	0.950	0.950
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	0.950	0.950
WTOL	65 °C	65 °C
Poff	2 W	2 W
PTO	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 | Colder Climate

	Low temperature	Medium temperature
Sound power level indoor	47 dB(A)	47 dB(A)

EN 14825 | Colder Climate

	Low temperature	Medium temperature

ηs	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
Cdh Tj = -7 °C	0.950	0.950
Pdh Tj = +2°C	1.70 kW	1.70 kW
COP Tj = +2°C	3.99	3.34
Cdh Tj = +2 °C		
Pdh Tj = +7°C	1.70 kW	1.70 kW
COP Tj = +7°C	3.88	3.41
Cdh Tj = +7 °C	0.950	0.950
Pdh Tj = 12°C	1.70 kW	1.70 kW
COP Tj = 12°C	3.35	3.11
Cdh Tj = +12 °C	0.950	0.950
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	0.950	0.950
WTOL	65 °C	65 °C
Poff	2 W	2 W
PTO	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
Pdh Tj = -15°C (if TOL		
COP Tj = -15°C (if TOL		
Cdh Tj = -15 °C		

Model F370 3x400

Model name	F370 3x400
Application	Heating + DHW + low temp
Units	Indoor
Climate zone (for heating)	Colder Climate
Cooling mode application (optional)	n/a
Any additional heat sources	n/a

General data

Power supply	3x400V 50Hz
Off-peak product	No

Exhaust Air/Water

EN 16147 | Average Climate

Declared load profile	L
Efficiency ηDHW	75 %
COP	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 l

EN 16147 | Colder Climate

Declared load profile	L
Efficiency ηDHW	75 %
COP	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 l

EN 14511-4 | Heating

Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed

EN 14511-2 | Heating

	Low temperature	Medium temperature
Heat output	2.18 kW	1.86 kW
El input	0.55 kW	0.68 kW
COP	3.93	2.74

EN 12102-1 | Average Climate

	Low temperature	Medium temperature

Sound power level indoor	47 dB(A)	47 dB(A)

EN 14825 | Average Climate		
	Low temperature	Medium temperature
ηs	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
Cdh Tj = -7 °C	0.950	0.950
Pdh Tj = +2°C	1.70 kW	1.70 kW
COP Tj = +2°C	3.98	3.22
Cdh Tj = +2 °C	0.950	0.950
Pdh Tj = +7°C	1.70 kW	1.70 kW
COP Tj = +7°C	3.96	3.37
Cdh Tj = +7 °C	0.950	0.950
Pdh Tj = 12°C	1.70 kW	1.70 kW
COP Tj = 12°C	3.65	3.28
Cdh Tj = +12 °C	0.950	0.950
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	0.950	0.950
WTOL	65 °C	65 °C
Poff	2 W	2 W
PTO	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 | Colder Climate		
	Low temperature	Medium temperature
Sound power level indoor	47 dB(A)	47 dB(A)

EN 14825 | Colder Climate		
	Low temperature	Medium temperature

ηs	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
Cdh Tj = -7 °C	0.950	0.950
Pdh Tj = +2°C	1.70 kW	1.70 kW
COP Tj = +2°C	3.99	3.34
Cdh Tj = +2 °C	0.950	0.950
Pdh Tj = +7°C	1.70 kW	1.70 kW
COP Tj = +7°C	3.88	3.41
Cdh Tj = +7 °C	0.950	0.950
Pdh Tj = 12°C	1.70 kW	1.70 kW
COP Tj = 12°C	3.35	3.11
Cdh Tj = +12 °C	0.950	0.950
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	0.950	0.950
WTOL	65 °C	65 °C
Poff	2 W	2 W
PTO	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
Pdh Tj = -15°C (if TOL		
COP Tj = -15°C (if TOL		
Cdh Tj = -15 °C		

Model F470 1x230	
Model name	F470 1x230
Application	Heating + DHW + low temp
Units	Indoor
Climate zone (for heating)	Colder Climate
Cooling mode application (optional)	n/a
Any additional heat sources	n/a

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

Exhaust Air/Water EN 16147 | Average Climate	
Declared load profile	L
Efficiency ηDHW	79 %
COP	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 l

EN 16147 | Colder Climate	
Declared load profile	L
Efficiency ηDHW	79 %
COP	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 l

EN 14511-4 | Heating	
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed

EN 14511-2 | Heating	Low temperature	Medium temperature
Heat output	2.18 kW	1.86 kW
El input	0.55 kW	0.68 kW
COP	3.93	2.74

EN 12102-1 | Average Climate	Low temperature	Medium temperature

Sound power level indoor	52 dB(A)	52 dB(A)

EN 14825 | Average Climate		
	Low temperature	Medium temperature
ηs	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
Cdh Tj = -7 °C	0.950	0.950
Pdh Tj = +2°C	1.70 kW	1.70 kW
COP Tj = +2°C	3.98	3.22
Cdh Tj = +2 °C	0.950	0.950
Pdh Tj = +7°C	1.70 kW	1.70 kW
COP Tj = +7°C	3.96	3.37
Cdh Tj = +7 °C	0.950	0.950
Pdh Tj = 12°C	1.70 kW	1.70 kW
COP Tj = 12°C	3.65	3.28
Cdh Tj = +12 °C	0.950	0.950
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	0.950	0.950
WTOL	65 °C	65 °C
Poff	2 W	2 W
PTO	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	1505 kWh	1806 kWh

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

EN 14825 | Colder Climate		
	Low temperature	Medium temperature

ηs	145 %	120 %
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
Cdh Tj = -7 °C	0.950	0.950
Pdh Tj = +2°C	1.70 kW	1.70 kW
COP Tj = +2°C	3.99	3.34
Cdh Tj = +2 °C	0.950	0.950
Pdh Tj = +7°C	1.70 kW	1.70 kW
COP Tj = +7°C	3.88	3.41
Cdh Tj = +7 °C	0.950	0.950
Pdh Tj = 12°C	1.70 kW	1.70 kW
COP Tj = 12°C	3.35	3.11
Cdh Tj = +12 °C	0.950	0.950
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	0.950	0.950
WTOL	65 °C	65 °C
Poff	2 W	2 W
PTO	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
Pdh Tj = -15°C (if TOL		
COP Tj = -15°C (if TOL		
Cdh Tj = -15 °C		

Model F470 3x400

Model name	F470 3x400
Application	Heating + DHW + low temp
Units	Indoor
Climate zone (for heating)	Colder Climate
Cooling mode application (optional)	n/a
Any additional heat sources	n/a

General data

Power supply	3x400V 50Hz
Off-peak product	No

Exhaust Air/Water

EN 16147 | Average Climate

Declared load profile	L
Efficiency ηDHW	79 %
COP	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 l

EN 16147 | Colder Climate

Declared load profile	L
Efficiency ηDHW	79 %
COP	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 l

EN 14511-4 | Heating

Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed

EN 14511-2 | Heating

	Low temperature	Medium temperature
Heat output	2.18 kW	1.86 kW
El input	0.55 kW	0.68 kW
COP	3.93	2.74

EN 12102-1 | Average Climate

	Low temperature	Medium temperature

Sound power level indoor	52 dB(A)	52 dB(A)

EN 14825 | Average Climate		
	Low temperature	Medium temperature
ηs	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
Cdh Tj = -7 °C	0.950	0.950
Pdh Tj = +2°C	1.70 kW	1.70 kW
COP Tj = +2°C	3.98	3.22
Cdh Tj = +2 °C	0.950	0.950
Pdh Tj = +7°C	1.70 kW	1.70 kW
COP Tj = +7°C	3.96	3.37
Cdh Tj = +7 °C	0.950	0.950
Pdh Tj = 12°C	1.70 kW	1.70 kW
COP Tj = 12°C	3.65	3.28
Cdh Tj = +12 °C	0.950	0.950
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	0.950	0.950
WTOL	65 °C	65 °C
Poff	2 W	2 W
PTO	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	1505 kWh	1806 kWh

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

EN 14825 | Colder Climate		
	Low temperature	Medium temperature

ηs	145 %	120 %
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
Cdh Tj = -7 °C	0.950	0.950
Pdh Tj = +2°C	1.70 kW	1.70 kW
COP Tj = +2°C	3.99	3.34
Cdh Tj = +2 °C	0.950	0.950
Pdh Tj = +7°C	1.70 kW	1.70 kW
COP Tj = +7°C	3.88	3.41
Cdh Tj = +7 °C	0.950	0.950
Pdh Tj = 12°C	1.70 kW	1.70 kW
COP Tj = 12°C	3.35	3.11
Cdh Tj = +12 °C	0.950	0.950
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	0.950	0.950
WTOL	65 °C	65 °C
Poff	2 W	2 W
PTO	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
Pdh Tj = -15°C (if TOL		
COP Tj = -15°C (if TOL		
Cdh Tj = -15 °C		

Model F 372 3X400

Model name	F 372 3X400
Application	Heating + DHW + low temp
Units	Indoor
Climate zone (for heating)	Colder Climate
Cooling mode application (optional)	n/a
Any additional heat sources	n/a

General data

Power supply	3x400V 50Hz
Off-peak product	No

Exhaust Air/Water

EN 16147 | Average Climate

Declared load profile	L
Efficiency ηDHW	75 %
COP	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 l

EN 16147 | Colder Climate

Declared load profile	L
Efficiency ηDHW	75 %
COP	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 l

EN 14511-4 | Heating

Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed

EN 14511-2 | Heating

	Low temperature	Medium temperature
Heat output	1.68 kW	1.68 kW
El input	0.46 kW	0.66 kW
COP	3.67	2.55

EN 12102-1 | Average Climate

	Low temperature	Medium temperature
Sound power level indoor	47 dB(A)	47 dB(A)

EN 14825 | Average Climate

	Low temperature	Medium temperature
ηs	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
Cdh Tj = -7 °C	0.950	0.950
Pdh Tj = +2°C	1.70 kW	1.70 kW
COP Tj = +2°C	3.98	3.22
Cdh Tj = +2 °C	0.950	0.950
Pdh Tj = +7°C	1.70 kW	1.70 kW
COP Tj = +7°C	3.96	3.37
Cdh Tj = +7 °C	0.950	0.950
Pdh Tj = 12°C	1.70 kW	1.70 kW
COP Tj = 12°C	3.65	3.28
Cdh Tj = +12 °C	0.950	0.950
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	0.950	0.950
WTOL	65 °C	65 °C
Poff	2 W	2 W
PTO	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 | Colder Climate

	Low temperature	Medium temperature
Sound power level indoor	47 dB(A)	47 dB(A)

EN 14825 | Colder Climate

	Low temperature	Medium temperature
ηs	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
Cdh Tj = -7 °C	0.950	0.950
Pdh Tj = +2°C	1.70 kW	1.70 kW
COP Tj = +2°C	3.99	3.34
Cdh Tj = +2 °C	0.950	0.950
Pdh Tj = +7°C	1.70 kW	1.70 kW
COP Tj = +7°C	3.88	3.41
Cdh Tj = +7 °C	0.950	0.950
Pdh Tj = 12°C	1.70 kW	1.70 kW
COP Tj = 12°C	3.35	3.11
Cdh Tj = +12 °C	0.950	0.950
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	0.950	0.950
WTOL	65 °C	65 °C
Poff	2 W	2 W
PTO	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
Pdh Tj = -15°C (if TOL		
COP Tj = -15°C (if TOL		
Cdh Tj = -15 °C		

Model F 372 3X230

Model name	F 372 3X230
Application	Heating + DHW + low temp
Units	Indoor
Climate zone (for heating)	Colder Climate
Cooling mode application (optional)	n/a
Any additional heat sources	n/a

General data

Power supply	3x230V 50Hz
Off-peak product	No

Exhaust Air/Water

EN 16147 | Average Climate

Declared load profile	L
Efficiency ηDHW	75 %
COP	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 l

EN 16147 | Colder Climate

Declared load profile	L
Efficiency ηDHW	75 %
COP	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 l

EN 14511-4 | Heating

Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed

EN 14511-2 | Heating

	Low temperature	Medium temperature
Heat output	1.68 kW	1.68 kW
El input	0.46 kW	0.66 kW
COP	3.67	2.55

EN 12102-1 | Average Climate

	Low temperature	Medium temperature

Sound power level indoor	47 dB(A)	47 dB(A)

EN 14825 | Average Climate		
	Low temperature	Medium temperature
ηs	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
Cdh Tj = -7 °C	0.950	0.950
Pdh Tj = +2°C	1.70 kW	1.70 kW
COP Tj = +2°C	3.98	3.22
Cdh Tj = +2 °C	0.950	0.950
Pdh Tj = +7°C	1.70 kW	1.70 kW
COP Tj = +7°C	3.96	3.37
Cdh Tj = +7 °C	0.950	0.950
Pdh Tj = 12°C	1.70 kW	1.70 kW
COP Tj = 12°C	3.65	3.28
Cdh Tj = +12 °C	0.950	0.950
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	0.950	0.950
WTOL	65 °C	65 °C
Poff	2 W	2 W
PTO	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 | Colder Climate		
	Low temperature	Medium temperature
Sound power level indoor	47 dB(A)	47 dB(A)

EN 14825 | Colder Climate		
	Low temperature	Medium temperature

ηs	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
Cdh Tj = -7 °C	0.950	0.950
Pdh Tj = +2°C	1.70 kW	1.70 kW
COP Tj = +2°C	3.99	3.34
Cdh Tj = +2 °C	0.950	0.950
Pdh Tj = +7°C	1.70 kW	1.70 kW
COP Tj = +7°C	3.88	3.41
Cdh Tj = +7 °C	0.950	0.950
Pdh Tj = 12°C	1.70 kW	1.70 kW
COP Tj = 12°C	3.35	3.11
Cdh Tj = +12 °C	0.950	0.950
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	0.950	0.950
WTOL	65 °C	65 °C
Poff	2 W	2 W
PTO	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
Pdh Tj = -15°C (if TOL		
COP Tj = -15°C (if TOL		
Cdh Tj = -15 °C		