Subtype HTi70 8 kW

Certificate Holder	Intuis
Address	Rue de la République
ZIP	80210
City	Feuquières-en-Vimeu
Country	FR
Certification Body	Kiwa Nederland B.V.
Subtype title	HTi70 8 kW
Registration number	007-DP0184
Heat Pump Type	Outdoor Air/Water
Refrigerant	R290
Mass of Refrigerant	0.6 kg
Certification Date	06.05.2024
Testing basis	European KEYMARK Scheme for Heat Pumps (v11)

Model HTi70 8 kW mono

Model name	HTi70 8 kW mono
Application	Heating (medium temp)
Units	Outdoor
Climate zone (for heating)	n/a
Cooling mode application (optional)	n/a
Any additional heat sources	n/a

General data

Power supply	1x230V 50Hz
Off-peak product	n/a

Outdoor Air/Water

EN 14511-4 | Heating

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

EN 14511-2 | Heating

	Low temperature	Medium temperature
Heat output	5.72 kW	5.79 kW
El input	1.18 kW	1.79 kW
COP	4.85	3.23

EN 12102-1 | Average Climate

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

EN 14825 | Average Climate

	Low temperature	Medium temperature
ηs	191 %	150 %
Prated	7.50 kW	7.54 kW
SCOP	4.86	3.82
Tbiv	-5 °C	-5 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	6.52 kW	6.28 kW
COP Tj = -7°C	3.11	2.44
Cdh Tj = -7 °C	0.900	0.900
Pdh Tj = +2°C	4.13 kW	4.12 kW
COP Tj = +2°C	4.56	3.82
Cdh Tj = +2 °C	0.900	0.900
Pdh Tj = +7°C	2.95 kW	2.93 kW
COP Tj = +7°C	7.52	5.42

Cdh Tj = +7 °C	0.900	0.900
Pdh Tj = 12°C	1.90 kW	1.79 kW
COP Tj = 12°C	8.89	6.46
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	6.06 kW	6.09 kW
COP Tj = Tbiv	3.37	2.52
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.93 kW	5.70 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.83	2.18
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900	0.900
WTOL	70 °C	70 °C
Poff	5 W	5 W
PTO	8 W	8 W
PSB	5 W	5 W
PCK	8 W	8 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.57 kW	1.84 kW
Annual energy consumption Qhe	3188 kWh	4083 kWh

Model HTi70 8 kW tri	
Model name	HTi70 8 kW tri
Application	Heating (medium temp)
Units	Outdoor
Climate zone (for heating)	n/a
Cooling mode application (optional)	n/a
Any additional heat sources	n/a

General data	
Power supply	3x400V 50Hz
Off-peak product	n/a

Outdoor Air/Water

EN 14511-4 | Heating

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

EN 14511-2 | Heating

	Low temperature	Medium temperature
Heat output	5.72 kW	5.79 kW
El input	1.18 kW	1.79 kW
COP	4.85	3.23

EN 12102-1 | Average Climate

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

EN 14825 | Average Climate

	Low temperature	Medium temperature
ηs	190 %	149 %
Prated	7.50 kW	7.54 kW
SCOP	4.82	3.79
Tbiv	-5 °C	-5 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	6.52 kW	6.28 kW
COP Tj = -7°C	3.11	2.44
Cdh Tj = -7 °C	0.900	0.900
Pdh Tj = +2°C	4.13 kW	4.12 kW
COP Tj = +2°C	4.56	3.82
Cdh Tj = +2 °C	0.900	0.900
Pdh Tj = +7°C	2.95 kW	2.93 kW
COP Tj = +7°C	7.52	5.42

Cdh Tj = +7 °C	0.900	0.900
Pdh Tj = 12°C	1.90 kW	1.79 kW
COP Tj = 12°C	8.89	6.46
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	6.06 kW	6.09 kW
COP Tj = Tbiv	3.37	2.52
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.93 kW	5.70 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.83	2.18
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900	0.900
WTOL	70 °C	70 °C
Poff	5 W	5 W
PTO	14 W	14 W
PSB	5 W	5 W
PCK	14 W	14 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.57 kW	1.84 kW
Annual energy consumption Qhe	3212 kWh	4107 kWh