

Subtype HRC70 40 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	HRC70 40 kW
Registration number	007-DP0191
Heat Pump Type	Outdoor Air/Water
Refrigerant	R290
Mass of Refrigerant	3.2 kg
Certification Date	26.04.2024
Testing basis	European KEYMARK Scheme for Heat Pumps (v11)

Model HRC70 40 kW tri V

Model name	HRC70 40 kW tri V
Application	Heating (medium temp)
Units	n/a
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	20.25 kW	18.86 kW
EI input	4.36 kW	5.89 kW
COP	4.64	3.20

EN 14825 | Average Climate

	Low temperature	Medium temperature
η_s	153 %	127 %
Prated	30.00 kW	30.00 kW
SCOP	3.90	3.25
Tbiv	-5 °C	-5 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	24.10 kW	25.90 kW
COP Tj = -7°C	2.86	2.29
Cdh Tj = -7 °C	0.900	0.900
Pdh Tj = +2°C	16.53 kW	16.01 kW
COP Tj = +2°C	3.89	3.23
Cdh Tj = +2 °C	0.900	0.900
Pdh Tj = +7°C	21.27 kW	20.44 kW
COP Tj = +7°C	5.61	4.68
Cdh Tj = +7 °C	0.900	0.900
Pdh Tj = 12°C	24.80 kW	23.90 kW
COP Tj = 12°C	6.42	5.76
Cdh Tj = +12 °C	0.900	0.900

Pdh Tj = Tbiv	24.50 kW	24.00 kW
COP Tj = Tbiv	2.99	2.33
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	24.60 kW	24.40 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.57	2.13
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900	0.900
WTOL	70 °C	70 °C
Poff	8 W	8 W
PTO	12 W	12 W
PSB	8 W	8 W
PCK	12 W	12 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	5.40 kW	5.60 kW
Annual energy consumption Qhe	15908 kWh	19088 kWh