

Subtype HRC70 32 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 32 kW
Registration number	007-DP0190
Heat Pump Type	Outdoor Air/Water
Refrigerant	R290
Mass of Refrigerant	1.4 kg
Certification Date	26.04.2024
Testing basis	European KEYMARK Scheme for Heat Pumps (v11)

Model HRC70 32 kW /3 tri

Model name	HRC70 32 kW /3 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	13.54 kW	11.98 kW
EI input	2.96 kW	4.02 kW
COP	4.57	2.98

EN 12102-1 | Average Climate

	Low temperature	Medium temperature
Sound power level outdoor	63 dB(A)	63 dB(A)

EN 14825 | Average Climate

	Low temperature	Medium temperature
η_s	152 %	121 %
Prated	23.00 kW	22.00 kW
SCOP	3.88	3.09
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	18.78 kW	17.76 kW
COP Tj = -7°C	2.92	2.13
Cdh Tj = -7 °C	0.900	0.900
Pdh Tj = +2°C	13.90 kW	13.72 kW
COP Tj = +2°C	3.79	2.97
Cdh Tj = +2 °C	0.900	0.900
Pdh Tj = +7°C	13.50 kW	13.45 kW
COP Tj = +7°C	5.34	4.54

Cdh Tj = +7 °C	0.900	0.900
Pdh Tj = 12°C	15.90 kW	15.85 kW
COP Tj = 12°C	6.31	5.78
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	18.78 kW	17.76 kW
COP Tj = Tbiv	2.92	2.13
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	18.57 kW	17.36 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.67	1.86
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900	0.900
WTOL	70 °C	70 °C
Poff	7 W	7 W
PTO	10 W	10 W
PSB	7 W	7 W
PCK	10 W	10 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	4.43 kW	4.64 kW
Annual energy consumption Qhe	12194 kWh	14720 kWh