

## Subtype HRC70 17 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 17 kW
Registration number	007-DP0187
Heat Pump Type	Outdoor Air/Water
Refrigerant	R290
Mass of Refrigerant	0.9 kg
Certification Date	26.04.2024
Testing basis	European KEYMARK Scheme for Heat Pumps (v11)

## Model HRC70 17 kW /3 tri

Model name	HRC70 17 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	7.80 kW	7.20 kW
El input	1.63 kW	2.25 kW
COP	4.79	3.20

### EN 12102-1 | Average Climate

	Low temperature	Medium temperature
Sound power level outdoor	58 dB(A)	58 dB(A)

### EN 14825 | Average Climate

	Low temperature	Medium temperature
$\eta_s$	150 %	125 %
Prated	13.53 kW	15.10 kW
SCOP	3.81	3.19
Tbiv	-5 °C	-5 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	10.70 kW	11.51 kW
COP Tj = -7°C	2.84	2.28
Cdh Tj = -7 °C	0.900	0.900
Pdh Tj = +2°C	7.96 kW	7.91 kW
COP Tj = +2°C	3.77	3.06
Cdh Tj = +2 °C	0.900	0.900
Pdh Tj = +7°C	7.33 kW	7.07 kW
COP Tj = +7°C	5.22	4.35

Cdh Tj = +7 °C	0.900	0.900
Pdh Tj = 12°C	8.33 kW	8.35 kW
COP Tj = 12°C	5.81	5.31
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	10.93 kW	12.25 kW
COP Tj = Tbiv	3.03	2.55
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	10.99 kW	10.59 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.82	2.15
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	9 W	9 W
PSB	7 W	7 W
PCK	9 W	9 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	2.54 kW	4.51 kW
Annual energy consumption Qhe	7329 kWh	9779 kWh

## Model HRC70 17 kW /3 mono

Model name	HRC70 17 kW /3 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	7.80 kW	7.20 kW
El input	1.63 kW	2.25 kW
COP	4.79	3.20

### EN 12102-1 | Average Climate

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Sound power level outdoor	58 dB(A)	58 dB(A)

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Cdh Tj = -7 °C	0.900	0.900
Pdh Tj = +2°C	7.96 kW	7.91 kW
COP Tj = +2°C	3.77	3.06
Cdh Tj = +2 °C	0.900	0.900
Pdh Tj = +7°C	7.33 kW	7.07 kW
COP Tj = +7°C	5.22	4.35

Cdh Tj = +7 °C	0.900	0.900
Pdh Tj = 12°C	8.33 kW	8.35 kW
COP Tj = 12°C	5.81	5.31
Cdh Tj = +12 °C	0.900	0.900
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COP Tj = Tbiv	3.03	2.55
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Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900	0.900
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