

Subtype R410 MultiV S Hydrokit 8HP (High Temp.)

Certificate Holder	LG Electronics Inc.
Address	84, Wanam-ro, seongsan-gu
ZIP	51554
City	Changwon-si
Country	KR
Certification Body	DIN CERTCO Gesellschaft für Konformitätsbewertung mbH
Subtype title	R410 MultiV S Hydrokit 8HP (High Temp.)
Registration number	011-1W0779
Heat Pump Type	Outdoor Air/Water
Refrigerant	R410A
Mass of Refrigerant	4.927 kg
Certification Date	26.03.2024
Testing basis	HP KEYMARK certification scheme rules V13

Model ARUN080LSS5 / ARNH08LK3A4

Model name	ARUN080LSS5 / ARNH08LK3A4
Application	Heating (medium temp)
Units	Indoor, Outdoor
Climate zone (for heating)	n/a
Reversibility	Yes
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	9.00 kW	9.00 kW
El input	1.84 kW	2.81 kW
COP	4.90	3.20

EN 12102-1 | Average Climate

	Low temperature	Medium temperature
Sound power level indoor	70 dB(A)	70 dB(A)
Sound power level outdoor	77 dB(A)	77 dB(A)

EN 14825 | Average Climate

	Low temperature	Medium temperature
η_s	124 %	113 %
Prated	22.77 kW	21.70 kW
SCOP	3.17	2.89
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	19.50 kW	19.00 kW
COP Tj = -7°C	2.37	2.05
Cdh Tj = -7 °C	0.900	0.900
Pdh Tj = +2°C	12.30 kW	11.90 kW
COP Tj = +2°C	3.21	2.97
Cdh Tj = +2 °C	0.900	0.900

Pdh Tj = +7°C	8.20 kW	7.70 kW
COP Tj = +7°C	3.83	3.43
Cdh Tj = +7 °C	0.900	0.900
Pdh Tj = 12°C	3.80 kW	3.90 kW
COP Tj = 12°C	3.63	3.57
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	22.80 kW	21.70 kW
COP Tj = Tbiv	2.03	1.81
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	22.80 kW	21.70 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.03	1.81
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900	0.900
WTOL	75 °C	75 °C
Poff	55 W	55 W
PTO	55 W	55 W
PSB	55 W	55 W
PCK	1 W	1 W
Supplementary Heater: Type of energy input	n/a	n/a
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	14856 kWh	15511 kWh