

Subtype R410 MultiV S Hydrokit 10HP

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 10HP
Registration number	011-1W0667
Heat Pump Type	Outdoor Air/Water
Refrigerant	R410A
Mass of Refrigerant	5.91 kg
Certification Date	17.08.2023
Testing basis	HP KEYMARK certification scheme rules V12

Model ARUN100LSS0 / ARNH10GK2A4

Model name	ARUN100LSS0 / ARNH10GK2A4
Application	Heating (low 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	31.63 kW	
El input	9.87 kW	
COP	3.20	

EN 12102-1 | Average Climate

	Low temperature	Medium temperature
Sound power level indoor	44 dB(A)	
Sound power level outdoor	88 dB(A)	

EN 14825 | Average Climate

	Low temperature	Medium temperature
η_s	153 %	
Prated	17.00 kW	
SCOP	3.89	
Tbiv	-10 °C	
TOL	-10 °C	
Pdh Tj = -7°C	15.70 kW	
COP Tj = -7°C	2.70	
Cdh Tj = -7 °C	0.900	
Pdh Tj = +2°C	9.40 kW	
COP Tj = +2°C	3.74	
Cdh Tj = +2 °C	0.900	

Pdh Tj = +7°C	6.10 kW
COP Tj = +7°C	4.91
Cdh Tj = +7 °C	0.900
Pdh Tj = 12°C	6.40 kW
COP Tj = 12°C	6.17
Cdh Tj = +12 °C	0.900
Pdh Tj = Tbiv	16.90 kW
COP Tj = Tbiv	2.13
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	16.90 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.13
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900
WTOL	50 °C
Poff	55 W
PTO	26 W
PSB	55 W
PCK	1 W
Supplementary Heater: Type of energy input	n/a
Supplementary Heater: PSUP	0.00 kW
Annual energy consumption Qhe	8956 kWh