

Subtype R32 MultiV S Hydrokit 4HP

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	R32 MultiV S Hydrokit 4HP
Registration number	011-1W0665
Heat Pump Type	Outdoor Air/Water
Refrigerant	R32
Mass of Refrigerant	2.17 kg
Certification Date	17.08.2023
Testing basis	HP KEYMARK certification scheme rules V12

Model ZRUN040GSS0 / ARNH04GK2A4

Model name	ZRUN040GSS0 / ARNH04GK2A4
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	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 12102-1 | Average Climate

	Low temperature	Medium temperature
Sound power level indoor	44 dB(A)	
Sound power level outdoor	78 dB(A)	

EN 14825 | Average Climate

	Low temperature	Medium temperature
η_s	151 %	
Prated	9.00 kW	
SCOP	3.85	
Tbiv	-10 °C	
TOL	-10 °C	
Pdh Tj = -7°C	7.30 kW	
COP Tj = -7°C	2.47	
Cdh Tj = -7 °C	0.900	
Pdh Tj = +2°C	4.60 kW	
COP Tj = +2°C	3.49	
Cdh Tj = +2 °C	0.900	
Pdh Tj = +7°C	3.90 kW	
COP Tj = +7°C	5.76	
Cdh Tj = +7 °C	0.900	
Pdh Tj = 12°C	4.40 kW	
COP Tj = 12°C	7.50	
Cdh Tj = +12 °C	0.900	
Pdh Tj = Tbiv	9.10 kW	

COP $T_j = T_{biv}$	2.36
$P_{dh} T_j = TOL$ or $P_{dh} T_j = T_{designh}$ if $TOL < T_{designh}$	9.10 kW
COP $T_j = TOL$ or COP $T_j = T_{designh}$ if $TOL < T_{designh}$	2.36
$C_{dh} T_j = TOL$ or $P_{dh} T_j = T_{designh}$ if $TOL < T_{designh}$	0.900
WTOL	50 °C
P _{off}	42 W
PTO	19 W
PSB	42 W
PCK	1 W
Supplementary Heater: Type of energy input	n/a
Supplementary Heater: PSUP	0.00 kW
Annual energy consumption Q _{he}	4899 kWh