

This information was generated by the HP KEYMARK database on 17 Dec 2020

Summary of	R32 Monobloc 9kW silent	Reg. No.	011-1W0191
Certificate Holder			
Name	LG Electronics Inc.		
Address	84, Wanam-ro, seongsan-gu	Zip	51554
City	Changwon-si	Country	South Korea
Certification Body	DIN CERTCO Gesellschaft für Konformitätsbewertung mbH		
Name of testing laboratory	TÜV Rheinland Korea Ltd.		
Subtype title	R32 Monobloc 9kW silent		
Heat Pump Type	Outdoor Air/Water		
Refrigerant	R32		
Mass Of Refrigerant	2.1 kg		
Certification Date	15.11.2019		

Model: HM091MRS U33

General Data

Power supply	1x230V 50Hz
--------------	-------------

Heating

EN 14511-2

	Low temperature	Medium temperature
Heat output	9.00 kW	6.00 kW
El input	1.76 kW	2.14 kW
COP	5.10	2.80
Indoor water flow rate	1.55 m ³ /h	0.65 m ³ /h

EN 14511-4

Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

Average Climate

This information was generated by the HP KEYMARK database on 17 Dec 2020

EN 12102-1

	Low temperature	Medium temperature
Sound power level indoor	0 dB(A)	0 dB(A)
Sound power level outdoor	57 dB(A)	57 dB(A)

EN 14825

	Low temperature	Medium temperature
η_s	184 %	130 %
Prated	8.00 kW	8.00 kW
SCOP	4.68	3.33
Tbiv	-10 °C	-7 °C
TOL	-15 °C	-15 °C
Pdh Tj = -7°C	7.60 kW	7.08 kW
COP Tj = -7°C	3.00	2.00
Cdh	0.90	0.90
Pdh Tj = +2°C	4.50 kW	4.31 kW
COP Tj = +2°C	4.65	3.20
Cdh	0.90	0.90
Pdh Tj = +7°C	3.60 kW	3.10 kW
COP Tj = +7°C	6.00	4.60
Cdh	0.90	0.90

This information was generated by the HP KEYMARK database on 17 Dec 2020

Pdh Tj = 12°C	3.00 kW	2.75 kW
COP Tj = 12°C	8.10	6.71
Cdh	0.90	0.90
Pdh Tj = Tbiv	8.00 kW	7.08 kW
COP Tj = Tbiv	2.50	2.00
Pdh Tj = TOL	8.00 kW	6.00 kW
COP Tj = TOL	2.50	1.70
WTOL	65 °C	65 °C
Poff	60 W	60 W
PTO	60 W	60 W
PSB	60 W	60 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	N/A	electric
Supplementary Heater: PSUP	0.00 kW	2.00 kW
Annual energy consumption Qhe	3533 kWh	4971 kWh