

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

Summary of	R32 monobloc 5 7 9 kW	Reg. No.	011-1W0243
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 Energy GmbH		
Subtype title	R32 monobloc 5 7 9 kW		
Heat Pump Type	Outdoor Air/Water		
Refrigerant	R32		
Mass Of Refrigerant	1.4 kg		
Certification Date	09.04.2018		

Model: HM091M U43

General Data

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

Heating

EN 14511-4

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

EN 14511-2

	Low temperature	Medium temperature
Heat output	9.00 kW	5.50 kW
El input	2.15 kW	2.04 kW
COP	4.18	2.70
Indoor water flow rate	1.55 m ³ /h	0.59 m ³ /h

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 outdoor	60 dB(A)	60 dB(A)

EN 14825

	Low temperature	Medium temperature
η_s	175 %	122 %
Prated	6.00 kW	5.00 kW
SCOP	4.45	3.12
Tbiv	-7 °C	-7 °C
TOL	-15 °C	-15 °C
Pdh Tj = -7°C	5.31 kW	4.87 kW
COP Tj = -7°C	2.70	1.76
Cdh	0.90	0.90
Pdh Tj = +2°C	3.15 kW	2.96 kW
COP Tj = +2°C	4.21	3.09
Cdh	0.90	0.90
Pdh Tj = +7°C	2.50 kW	3.10 kW
COP Tj = +7°C	6.57	4.60
Cdh	0.90	0.90
Pdh Tj = 12°C	3.10 kW	3.80 kW

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

COP Tj = 12°C	9.40	6.72
Cdh	0.90	0.90
Pdh Tj = Tbiv	5.31 kW	4.87 kW
COP Tj = Tbiv	2.70	1.76
Pdh Tj = TOL	5.60 kW	5.00 kW
COP Tj = TOL	1.90	1.50
Cdh	0.90	0.90
WTOL	65 °C	65 °C
Poff	30 W	30 W
PTO	30 W	30 W
PSB	30 W	30 W
PCK	20 W	20 W
Supplementary Heater: Type of energy input	electric	N/A
Supplementary Heater: PSUP	0.40 kW	0.00 kW
Annual energy consumption Qhe	2784 kWh	3638 kWh

Model: HM071M U43

General Data

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

Heating

EN 14511-2

	Low temperature	Medium temperature
Heat output	7.00 kW	5.50 kW
El input	1.56 kW	2.04 kW
COP	4.50	2.70
Indoor water flow rate	1.21 m ³ /h	0.59 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 outdoor	60 dB(A)	60 dB(A)

EN 14825

	Low temperature	Medium temperature
η_s	175 %	122 %
Prated	6.00 kW	5.00 kW
SCOP	4.45	3.12
Tbiv	-7 °C	-7 °C
TOL	-15 °C	-15 °C
Pdh Tj = -7°C	5.09 kW	4.87 kW
COP Tj = -7°C	2.70	1.76
Cdh	0.90	0.90
Pdh Tj = +2°C	3.10 kW	2.96 kW
COP Tj = +2°C	4.30	3.09
Cdh	0.90	0.90
Pdh Tj = +7°C	2.40 kW	3.10 kW
COP Tj = +7°C	6.35	4.60
Cdh	0.90	0.90
Pdh Tj = 12°C	2.95 kW	3.80 kW

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

COP Tj = 12°C	9.00	6.72
Cdh	0.90	0.90
Pdh Tj = Tbiv	5.09 kW	4.87 kW
COP Tj = Tbiv	2.70	1.76
Pdh Tj = TOL	5.30 kW	5.00 kW
COP Tj = TOL	1.90	1.50
Cdh	0.90	0.90
WTOL	65 °C	65 °C
Poff	30 W	30 W
PTO	30 W	30 W
PSB	30 W	30 W
PCK	20 W	20 W
Supplementary Heater: Type of energy input	electric	N/A
Supplementary Heater: PSUP	0.70 kW	0.00 kW
Annual energy consumption Qhe	2668 kWh	3638 kWh

Model: HM051M U43

General Data

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

Heating

EN 14511-2

	Low temperature	Medium temperature
Heat output	5.50 kW	5.50 kW
El input	1.22 kW	2.04 kW
COP	4.50	2.70
Indoor water flow rate	0.95 m ³ /h	0.59 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 outdoor	60 dB(A)	60 dB(A)

EN 14825

	Low temperature	Medium temperature
η_s	175 %	122 %
Prated	5.00 kW	5.00 kW
SCOP	4.45	3.12
Tbiv	-7 °C	-7 °C
TOL	-15 °C	-15 °C
Pdh Tj = -7°C	4.87 kW	4.87 kW
COP Tj = -7°C	2.70	1.76
Cdh	0.90	0.90
Pdh Tj = +2°C	2.96 kW	2.96 kW
COP Tj = +2°C	4.35	3.09
Cdh	0.90	0.90
Pdh Tj = +7°C	2.30 kW	3.10 kW
COP Tj = +7°C	6.20	4.60
Cdh	0.90	0.90
Pdh Tj = 12°C	2.80 kW	3.80 kW

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

COP Tj = 12°C	9.00	6.72
Cdh	0.90	0.90
Pdh Tj = Tbiv	4.87 kW	4.87 kW
COP Tj = Tbiv	2.70	1.76
Pdh Tj = TOL	5.00 kW	5.00 kW
COP Tj = TOL	1.90	1.50
Cdh	0.90	0.90
WTOL	65 °C	65 °C
Poff	30 W	30 W
PTO	30 W	30 W
PSB	30 W	30 W
PCK	20 W	20 W
Supplementary Heater: Type of energy input	no	no
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	2551 kWh	3638 kWh