Subtype R32 monobloc(3rd) 5 7 9 kW	
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 monobloc(3rd) 5 7 9 kW
Registration number	011-1W0927
Heat Pump Type	Outdoor Air/Water
Refrigerant	R32
Mass of Refrigerant	1.4 kg
Certification Date	03.12.2024
Testing basis	HP KEYMARK certification scheme rules rev. 14

Model HM091MRS UA40	
Model name	HM091MRS UA40
Application	Heating (medium temp)
Units	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 14511-2 | Heating		
	Low temperature	Medium temperature
Heat output	9.00 kW	6.00 kW
El input	1.96 kW	2.22 kW
COP	4.60	2.70

EN 12102-1 | Average Climate		
	Low temperature	Medium temperature
Sound power level outdoor	57 dB(A)	57 dB(A)

EN 14825 | Average Climate		
	Low temperature	Medium temperature
ηs	179 %	125 %
Prated	6.00 kW	6.90 kW
SCOP	4.55	3.20
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	5.31 kW	6.10 kW
COP Tj = -7°C	2.88	1.99
Cdh Tj = -7 °C	0.900	0.900
Pdh Tj = +2°C	3.20 kW	3.71 kW
COP Tj = +2°C	4.39	3.16
Cdh Tj = +2 °C	0.900	0.900
Pdh Tj = +7°C	2.64 kW	3.70 kW

COP Tj = +7°C	6.13	4.26
Cdh Tj = +7 °C	0.900	0.900
Pdh Tj = 12°C	2.80 kW	3.50 kW
COP Tj = 12°C	8.60	6.18
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	6.00 kW	6.90 kW
COP Tj = Tbiv	2.50	1.76
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.00 kW	6.90 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.50	1.76
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900	0.900
WTOL	65 °C	65 °C
Poff	10 W	10 W
PTO	20 W	20 W
PSB	10 W	10 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	n/a	n/a
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	2724 kWh	4454 kWh

Model HM071MRS UA40	
Model name	HM071MRS UA40
Application	Heating (medium temp)
Units	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 14511-2 | Heating		
	Low temperature	Medium temperature
Heat output	7.00 kW	5.75 kW
El input	1.49 kW	2.13 kW
COP	4.70	2.70

EN 12102-1 | Average Climate		
	Low temperature	Medium temperature
Sound power level outdoor	57 dB(A)	57 dB(A)

EN 14825 | Average Climate		
	Low temperature	Medium temperature
ηs	176 %	125 %
Prated	5.75 kW	6.80 kW
SCOP	4.48	3.20
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	5.09 kW	6.02 kW
COP Tj = -7°C	2.89	1.97
Cdh Tj = -7 °C	0.900	0.900
Pdh Tj = +2°C	3.10 kW	3.66 kW
COP Tj = +2°C	4.35	3.16
Cdh Tj = +2 °C	0.900	0.900
Pdh Tj = +7°C	2.60 kW	3.20 kW

COP Tj = +7°C	5.94	4.27
Cdh Tj = +7 °C	0.900	0.900
Pdh Tj = 12°C	2.75 kW	3.25 kW
COP Tj = 12°C	8.20	5.95
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	5.75 kW	6.80 kW
COP Tj = Tbiv	2.59	1.73
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.75 kW	6.80 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.59	1.73
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900	0.900
WTOL	65 °C	65 °C
Poff	10 W	10 W
PTO	20 W	20 W
PSB	10 W	10 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	n/a	n/a
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	2652 kWh	4386 kWh

Model HM051MRS UA40	
Model name	HM051MRS UA40
Application	Heating (medium temp)
Units	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 14511-2 | Heating		
	Low temperature	Medium temperature
Heat output	5.50 kW	5.50 kW
El input	1.17 kW	2.04 kW
COP	4.70	2.70

EN 12102-1 | Average Climate		
	Low temperature	Medium temperature
Sound power level outdoor	57 dB(A)	57 dB(A)

EN 14825 | Average Climate		
	Low temperature	Medium temperature
ηs	175 %	125 %
Prated	5.50 kW	6.70 kW
SCOP	4.46	3.20
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	4.87 kW	5.93 kW
COP Tj = -7°C	2.90	2.07
Cdh Tj = -7 °C	0.900	0.900
Pdh Tj = +2°C	2.96 kW	3.61 kW
COP Tj = +2°C	4.20	3.10
Cdh Tj = +2 °C	0.900	0.900
Pdh Tj = +7°C	2.60 kW	2.90 kW

COP Tj = +7°C	6.22	4.18
Cdh Tj = +7 °C	0.900	0.900
Pdh Tj = 12°C	2.90 kW	3.30 kW
COP Tj = 12°C	8.90	6.26
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	5.50 kW	6.70 kW
COP Tj = Tbiv	2.57	1.77
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.50 kW	6.70 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.57	1.77
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900	0.900
WTOL	65 °C	65 °C
Poff	10 W	10 W
PTO	20 W	20 W
PSB	10 W	10 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	n/a	n/a
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	2547 kWh	4322 kWh