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Login

Summary of	R32 THERMAV IWT(2ND) 5,7,9kW	Reg. No.	011-1W0526
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		
Subtype title	R32 THERMAV IWT(2ND) 5,7,9kW		
Heat Pump Type	Outdoor Air/Water		
Refrigerant	R32		
Mass of Refrigerant	1.5 kg		
Certification Date	29.04.2022		
Testing basis	European KEYMARK Scheme for Heat Pumps Rev. 9 (as of 2021-03)		



Model: HU051MR U44 / HN0913T NK0

Configure model		
Model name	HU051MR U44 / HN0913T NK0	
Application	Heating + DHW + low temp	
Units	Indoor + Outdoor	
Climate Zone	n/a	
Reversibility	Yes	
Cooling mode application (optional)	n/a	

General Data		
Power supply	1x230V 50Hz	

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	5.50 kW	5.50 kW
El input	1.12 kW	2.04 kW
СОР	4.90	2.70

EN 14511-4	
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

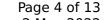




EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	42 dB(A)	42 dB(A)
Sound power level outdoor	60 dB(A)	60 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{s}	183 %	126 %
Prated	5.50 kW	6.00 kW
SCOP	4.65	3.23
Tbiv	-10 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	4.90 kW	5.30 kW
COP Tj = -7°C	2.80	2.05
Cdh Tj = -7 °C	0.900	0.900
Pdh Tj = +2°C	3.00 kW	3.20 kW
COP Tj = +2°C	4.50	3.10
Cdh Tj = +2 °C	0.900	0.900
Pdh Tj = +7°C	2.20 kW	3.00 kW
COP Tj = +7°C	6.40	4.50
Cdh Tj = +7 °C	0.900	0.900

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Pdh Tj = 12°C	2.60 kW	3.60 kW
COP Tj = 12°C	9.20	6.80
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	5.50 kW	5.30 kW
COP Tj = Tbiv	2.50	2.05
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.50 kW	5.10 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.50	1.65
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900	0.900
WTOL	65 °C	65 °C
Poff	20 W	20 W
РТО	20 W	20 W
PSB	20 W	20 W
PCK	30 W	30 W
Supplementary Heater: Type of energy input	n/a	Electricity
Supplementary Heater: PSUP	0.00 kW	0.90 kW

Domestic Hot Water (DHW)

Annual energy consumption Qhe

Average Climate

2444 kWh

3837 kWh



EN 16147		
Declared load profile	L	
Efficiency ηDHW	133 %	
СОР	3.15	
Heating up time	1:44 h:min	
Standby power input	30.0 W	
Reference hot water temperature	52.0 °C	
Mixed water at 40°C	250 l	

Model: HU071MR U44 / HN0913T NK0

Configure model		
Model name	HU071MR U44 / HN0913T NK0	
Application	Heating + DHW + low temp	
Units	Indoor + Outdoor	
Climate Zone	n/a	
Reversibility	Yes	
Cooling mode application (optional)	n/a	

General Data		
Power supply	1x230V 50Hz	

Heating

EN 14511-2		
Low temperature Medium temperature		
Heat output	7.00 kW	5.50 kW
El input	1.43 kW	2.04 kW
СОР	4.90	2.70

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 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	42 dB(A)	42 dB(A)
Sound power level outdoor	60 dB(A)	60 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{s}	183 %	126 %
Prated	5.80 kW	6.00 kW
SCOP	4.65	3.23
Tbiv	-10 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	5.10 kW	5.30 kW
COP Tj = -7°C	2.80	2.05
Cdh Tj = -7 °C	0.900	0.900
Pdh Tj = +2°C	3.10 kW	3.20 kW
COP Tj = +2°C	4.50	3.10
Cdh Tj = +2 °C	0.900	0.900
Pdh Tj = $+7^{\circ}$ C	2.40 kW	3.00 kW
COP Tj = +7°C	6.50	4.50
Cdh Tj = +7 °C	0.900	0.900

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2.80 kW	3.60 kW
	3.00 KW
9.00	6.80
0.900	0.900
5.80 kW	5.30 kW
2.50	2.05
5.80 kW	5.10 kW
2.50	1.65
0.900	0.900
65 °C	65 °C
20 W	20 W
20 W	20 W
20 W	20 W
30 W	30 W
n/a	Electricity
0.00 kW	0.90 kW
2575 kWh	3837 kWh
	0.900 5.80 kW 2.50 5.80 kW 2.50 0.900 65 °C 20 W 20 W 20 W 30 W n/a 0.00 kW

Domestic Hot Water (DHW)



EN 16147		
Declared load profile	L	
Efficiency ηDHW	133 %	
СОР	3.15	
Heating up time	1:44 h:min	
Standby power input	30.0 W	
Reference hot water temperature	52.0 °C	
Mixed water at 40°C	250 I	

Model: HU091MR U44 / HN0913T NK0

Configure model		
Model name	HU091MR U44 / HN0913T NK0	
Application	Heating + DHW + low temp	
Units	Indoor + Outdoor	
Climate Zone	n/a	
Reversibility	Yes	
Cooling mode application (optional)	n/a	

General Data		
Power supply 1x230V 50Hz		

Heating

EN 14511-2			
Low temperature Medium temperature			
Heat output	9.00 kW	5.50 kW	
El input	1.94 kW	2.04 kW	
СОР	4.65	2.70	

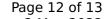
EN 14511-4	
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	42 dB(A)	42 dB(A)
Sound power level outdoor	60 dB(A)	60 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{s}	183 %	126 %
Prated	6.00 kW	6.00 kW
SCOP	4.65	3.23
Tbiv	-10 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	5.30 kW	5.30 kW
COP Tj = -7°C	2.75	2.05
Cdh Tj = -7 °C	0.900	0.900
Pdh Tj = +2°C	3.20 kW	3.20 kW
COP Tj = +2°C	4.50	3.10
Cdh Tj = +2 °C	0.900	0.900
Pdh Tj = +7°C	2.30 kW	3.00 kW
COP Tj = +7°C	6.50	4.50
Cdh Tj = +7 °C	0.900	0.900

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This information was general		,
Pdh Tj = 12°C	2.80 kW	3.60 kW
COP Tj = 12°C	9.00	6.80
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	6.00 kW	5.30 kW
COP Tj = Tbiv	2.45	2.05
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.00 kW	5.10 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.45	1.65
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900	0.900
WTOL	65 °C	65 °C
Poff	20 W	20 W
PTO	20 W	20 W
PSB	20 W	20 W
PCK	30 W	30 W
Supplementary Heater: Type of energy input	n/a	Electricity
Supplementary Heater: PSUP	0.00 kW	0.90 kW
Annual energy consumption Qhe	2666 kWh	3837 kWh

Domestic Hot Water (DHW)



EN 16147	
Declared load profile	XL
Efficiency ηDHW	140 %
СОР	3.40
Heating up time	1:44 h:min
Standby power input	30.0 W
Reference hot water temperature	52.0 °C
Mixed water at 40°C	250 l