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<u>Login</u>			
Summary of	R32 THERMAV IWT(2ND) 5,7,9kW	Reg. No.	011-1W0526
Certificate Holder		I	
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	Refrigerant R32		
Mass of Refrigerant	Mass of Refrigerant 1.5 kg		
Certification Date	Certification Date 29.04.2022		
Testing basisEuropean KEYMARK Scheme for Heat Pumps Rev. 9 (as of 2021-03)			



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# 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

#### Average Climate



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	
183 %	126 %	
5.50 kW	6.00 kW	
4.65	3.23	
-10 °C	-7 °C	
-10 °C	-10 °C	
4.90 kW	5.30 kW	
2.80	2.05	
0.900	0.900	
3.00 kW	3.20 kW	
4.50	3.10	
0.900	0.900	
2.20 kW	3.00 kW	
6.40	4.50	
0.900	0.900	
	Low temperature   183 %   183 %   5.50 kW   4.65   -10 °C   -10 °C   2.80   0.900   3.00 kW   4.50   0.900   2.20 kW   6.40	

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2.60 kW	3.60 kW
9.20	6.80
0.900	0.900
5.50 kW	5.30 kW
2.50	2.05
5.50 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
2444 kWh	3837 kWh
	2.60 kW 9.20 0.900 5.50 kW 2.50 5.50 kW 2.50 0.900 65 °C 20 W 20 W 20 W 20 W 30 W

# Domestic Hot Water (DHW)

### Average Climate



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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	



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# 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	

#### Average Climate



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	
183 %	126 %	
5.80 kW	6.00 kW	
4.65	3.23	
-10 °C	-7 °C	
-10 °C	-10 °C	
5.10 kW	5.30 kW	
2.80	2.05	
0.900	0.900	
3.10 kW	3.20 kW	
4.50	3.10	
0.900	0.900	
2.40 kW	3.00 kW	
6.50	4.50	
0.900	0.900	
	Low temperature   183 %   183 %   5.80 kW   4.65   -10 °C   -10 °C   5.10 kW   2.80   0.900   3.10 kW   4.50   0.900   2.40 kW   6.50	

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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	5.80 kW	5.30 kW		
COP Tj = Tbiv	2.50	2.05		
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.80 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		
РСК	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	2575 kWh	3837 kWh		

# Domestic Hot Water (DHW)

### Average Climate

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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	



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# 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	

#### Average Climate



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 <sub>s</sub>	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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2.80 kW	3.60 kW
9.00	6.80
0.900	0.900
6.00 kW	5.30 kW
2.45	2.05
6.00 kW	5.10 kW
2.45	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
2666 kWh	3837 kWh
	2.80 kW 9.00 0.900 6.00 kW 2.45 6.00 kW 2.45 0.900 65 °C 20 W 20 W 20 W 20 W 30 W

# Domestic Hot Water (DHW)

### Average Climate

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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			

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