

Summary of	R32 THERMA V IWT 5, 7, 9kW	Reg. No.	011-1W0407	
Certificate Holder				
Name	LG Electronics Inc.	LG Electronics Inc.		
Address	84, Wanam-ro, seongsan-gu	Zip	51554	
City	Changwon-si	Country	South Korea	
Certification Body	DIN CERTCO Gesellschaft für Konfo	DIN CERTCO Gesellschaft für Konformitätsbewertung mbH		
Name of testing laboratory	TÜV Rheinland Korea Ltd.	TÜV Rheinland Korea Ltd.		
Subtype title	R32 THERMA V IWT 5, 7, 9kW			
Heat Pump Type	Outdoor Air/Water	Outdoor Air/Water		
Refrigerant	R32			
Mass Of Refrigerant	1.5 kg			
Certification Date	04.09.2020			
Testing basis	EN 14511, EN 12102-1, EN 14825, EN 16147			



Model: HU051MR U44 / HN0916T NB1

General Data	
Power supply	1x230V 50Hz

Average Climate

EN 12102-1			
	Low temperature	Medium temperature	
Sound power level indoor	43 dB(A)	43 dB(A)	
Sound power level outdoor	60 dB(A)	60 dB(A)	

EN 14825		
	Low temperature	Medium temperature
η_{s}	178 %	117 %
Prated	6.00 kW	6.00 kW
SCOP	4.52	3.01
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	5.00 kW	4.90 kW
$COP Tj = -7^{\circ}C$	2.90	1.95
Cdh	0.90	0.90
Pdh Tj = $+2$ °C	3.00 kW	3.00 kW
COP Tj = +2°C	4.50	2.90

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Cdh	0.90	0.90	
Pdh Tj = +7°C	2.20 kW	2.60 kW	
$COP Tj = +7^{\circ}C$	5.70	4.10	
Cdh	0.90	0.90	
Pdh Tj = 12°C	2.60 kW	3.20 kW	
COP Tj = 12°C	8.30	5.95	
Cdh	0.90	0.90	
Pdh Tj = Tbiv	5.00 kW	4.90 kW	
COP Tj = Tbiv	2.90	1.95	
Pdh Tj = TOL	5.60 kW	4.90 kW	
COP Tj = TOL	2.40	1.55	
WTOL	65 °C	65 °C	
Poff	30 W	30 W	
РТО	30 W	30 W	
PSB	30 W	30 W	
PCK	20 W	20 W	
Supplementary Heater: Type of energy input	electric	electric	
Supplementary Heater: PSUP	0.40 kW	1.10 kW	
Annual energy consumption Qhe	2557 kWh	3786 kWh	

Heating

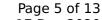


EN 14511-2			
	Low temperature	Medium temperature	
Heat output	5.50 kW	5.00 kW	
El input	1.22 kW	1.92 kW	
СОР	4.50	2.60	
Indoor water flow rate	0.95 m³/h	0.54 m³/h	

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

Domestic Hot Water (DHW)

Average Climate





EN 16147		
Declared load profile	L	
Efficiency ηDHW	125 %	
СОР	2.88	
Heating up time	2:02 h:min	
Standby power input	56.3 W	
Reference hot water temperature	47.2 °C	
Mixed water at 40°C	182 l	



Model: HU071MR U44 / HN0916T NB1

General Data		
Power supply 1x230V 50Hz		

Average Climate

EN 12102-1			
	Low temperature	Medium temperature	
Sound power level indoor	43 dB(A)	43 dB(A)	
Sound power level outdoor	61 dB(A)	61 dB(A)	

EN 14825		
	Low temperature	Medium temperature
η_{S}	176 %	117 %
Prated	6.00 kW	6.00 kW
SCOP	4.47	3.00
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7° C	5.10 kW	4.90 kW
COP Tj = -7° C	2.90	1.95
Cdh	0.90	0.90
Pdh Tj = $+2$ °C	3.10 kW	3.00 kW
COP Tj = +2°C	4.46	2.90

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Cdh	0.90	0.90
Pdh Tj = $+7$ °C	2.40 kW	2.60 kW
$COP Tj = +7^{\circ}C$	5.65	4.05
Cdh	0.90	0.90
Pdh Tj = 12°C	2.70 kW	3.20 kW
COP Tj = 12°C	7.81	5.90
Cdh	0.90	0.90
Pdh Tj = Tbiv	5.10 kW	4.90 kW
COP Tj = Tbiv	2.90	1.95
Pdh Tj = TOL	5.80 kW	5.00 kW
COP Tj = TOL	2.45	1.55
WTOL	65 °C	65 °C
Poff	30 W	30 W
РТО	30 W	30 W
PSB	30 W	30 W
PCK	20 W	20 W
Supplementary Heater: Type of energy input	electric	electric
Supplementary Heater: PSUP	0.20 kW	1.00 kW
Annual energy consumption Qhe	2658 kWh	3827 kWh
P		

Heating

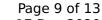


EN 14511-2		
	Low temperature	Medium temperature
Heat output	7.00 kW	5.25 kW
El input	1.56 kW	2.02 kW
СОР	4.50	2.60
Indoor water flow rate	1.21 m³/h	0.57 m³/h

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

Domestic Hot Water (DHW)

Average Climate





EN 16147		
Declared load profile	L	
Efficiency ηDHW	125 %	
СОР	2.88	
Heating up time	2:02 h:min	
Standby power input	56.3 W	
Reference hot water temperature	47.2 °C	
Mixed water at 40°C	182 l	



Model: HU091MR U44 / HN0916T NB1

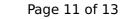
General Data	
Power supply	1x230V 50Hz

Average Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	43 dB(A)	43 dB(A)
Sound power level outdoor	61 dB(A)	61 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{S}	175 %	118 %
Prated	6.00 kW	6.00 kW
SCOP	4.45	3.03
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7° C	5.60 kW	5.00 kW
COP Tj = -7°C	2.75	1.95
Cdh	0.90	0.90
Pdh Tj = +2°C	3.40 kW	3.00 kW
COP Tj = +2°C	4.50	2.90

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Cdh	0.90	0.90
Pdh Tj = +7°C	2.60 kW	2.60 kW
$COPTj = +7^{\circ}C$	5.75	4.20
Cdh	0.90	0.90
Pdh Tj = 12°C	2.80 kW	3.20 kW
COP Tj = 12°C	7.53	6.10
Cdh	0.90	0.90
Pdh Tj = Tbiv	5.60 kW	5.00 kW
COP Tj = Tbiv	2.75	1.95
Pdh Tj = TOL	6.00 kW	5.00 kW
COP Tj = TOL	2.45	1.55
WTOL	65 °C	65 °C
Poff	30 W	30 W
РТО	30 W	30 W
PSB	30 W	30 W
PCK	20 W	20 W
Supplementary Heater: Type of energy input	N/A	electric
Supplementary Heater: PSUP	0.00 kW	1.00 kW
Annual energy consumption Qhe	2922 kWh	3817 kWh

Heating

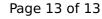


EN 14511-2		
	Low temperature	Medium temperature
Heat output	9.00 kW	5.50 kW
El input	2.05 kW	2.12 kW
СОР	4.40	2.60
Indoor water flow rate	1.55 m³/h	0.59 m³/h

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

Domestic Hot Water (DHW)

Average Climate





EN 16147		
Declared load profile	L	
Efficiency ηDHW	125 %	
СОР	2.88	
Heating up time	2:02 h:min	
Standby power input	56.3 W	
Reference hot water temperature	47.2 °C	
Mixed water at 40°C	182 I	