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Summary of	R32 THERMA V IWT 5, 7, 9kW	Reg. No.	011-1W0407
Certificate Holder	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 THERMA V IWT 5, 7, 9kW		
Heat Pump Type	Outdoor Air/Water		
Refrigerant	R32		
Mass of Refrigerant	1.5 kg		
Certification Date	04.09.2020		
Testing basis	esting basis EN 14511, EN 12102-1, EN 14825, EN 16147		

Model: HU051MR U44 / HN0916T NB1

Configure model	
Model name	HU051MR U44 / HN0916T NB1
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	

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)

Low temperature	Madium tammanatura
	Medium temperature
178 %	117 %
6.00 kW	6.00 kW
4.52	3.01
-7 °C	-7 °C
-10 °C	-10 °C
5.00 kW	4.90 kW
	6.00 kW 4.52 -7 °C -10 °C

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This information was genera	couldy chie in item in	44445456 0 10 202
COP Tj = -7°C	2.90	1.95
Cdh Tj = -7 °C	0.90	0.90
Pdh Tj = +2°C	3.00 kW	3.00 kW
COP Tj = +2°C	4.50	2.90
Cdh Tj = +2 °C	0.90	0.90
Pdh Tj = +7°C	2.20 kW	2.60 kW
$COP Tj = +7^{\circ}C$	5.70	4.10
Cdh Tj = +7 °C	0.90	0.90
Pdh Tj = 12°C	2.60 kW	3.20 kW
COP Tj = 12°C	8.30	5.95
Cdh Tj = +12 °C	0.90	0.90
Pdh Tj = Tbiv	5.00 kW	4.90 kW
COP Tj = Tbiv	2.90	1.95
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.60 kW	4.90 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	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	Electricity	Electricity



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

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

Configure model	
Model name	HU071MR U44 / HN0916T NB1
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	

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	
176 %	117 %	
6.00 kW	6.00 kW	
4.47	3.00	
-7 °C	-7 °C	
-10 °C	-10 °C	
5.10 kW	4.90 kW	
	Low temperature 176 % 6.00 kW 4.47 -7 °C -10 °C	

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This information was genera	cou by the in item in	44446456 011 10 1141 202
COP Tj = -7°C	2.90	1.95
Cdh Tj = -7 °C	0.90	0.90
Pdh Tj = +2°C	3.10 kW	3.00 kW
COP Tj = +2°C	4.46	2.90
Cdh Tj = +2 °C	0.90	0.90
Pdh Tj = +7°C	2.40 kW	2.60 kW
$COP Tj = +7^{\circ}C$	5.65	4.05
Cdh Tj = +7 °C	0.90	0.90
Pdh Tj = 12°C	2.70 kW	3.20 kW
COP Tj = 12°C	7.81	5.90
Cdh Tj = +12 °C	0.90	0.90
Pdh Tj = Tbiv	5.10 kW	4.90 kW
COP Tj = Tbiv	2.90	1.95
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.80 kW	5.00 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	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	Electricity	Electricity



Supplementary Heater: PSUP	0.20 kW	1.00 kW
Annual energy consumption Qhe	2658 kWh	3827 kWh

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	

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	



Model: HU091MR U44 / HN0916T NB1

Configure model			
Model name HU091MR U44 / HN0916T NB1			
Application Heating + DHW + low temp			
Units Indoor + Outdoor			
Climate Zone n/a			
Reversibility Yes			
Cooling mode application (optional) n/a			

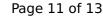
General Data		
Power supply	1x230V 50Hz	

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	
175 %	118 %	
6.00 kW	6.00 kW	
4.45	3.03	
-7 °C	-7 °C	
-10 °C	-10 °C	
5.60 kW	5.00 kW	
	Low temperature 175 % 6.00 kW 4.45 -7 °C -10 °C	

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This information was genera	ted by the in items	iii database oii 10 i iai 202
COP Tj = -7°C	2.75	1.95
Cdh Tj = -7 °C	0.90	0.90
Pdh Tj = +2°C	3.40 kW	3.00 kW
COP Tj = +2°C	4.50	2.90
Cdh Tj = +2 °C	0.90	0.90
Pdh Tj = $+7^{\circ}$ C	2.60 kW	2.60 kW
$COP Tj = +7^{\circ}C$	5.75	4.20
Cdh Tj = +7 °C	0.90	0.90
Pdh Tj = 12°C	2.80 kW	3.20 kW
COP Tj = 12°C	7.53	6.10
Cdh Tj = +12 °C	0.90	0.90
Pdh Tj = Tbiv	5.60 kW	5.00 kW
COP Tj = Tbiv	2.75	1.95
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.00 kW	5.00 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.45	1.55
WTOL	65 °C	65 °C
Poff	30 W	30 W
РТО	30 W	30 W
PSB	30 W	30 W
РСК	20 W	20 W
Supplementary Heater: Type of energy input	n/a	Electricity



Supplementary Heater: PSUP	0.00 kW	1.00 kW
Annual energy consumption Qhe	2922 kWh	3817 kWh

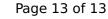
Heating

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	

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	