

OVERVIEW

LG Therma V R32 Split

- Air to Water Heat Pump. (AWHP)
- Indoor and Outdoor units are separated and connected via R32 refrigerant piping.
- 3 unit capacities (5/7/9kW) for heating and cooling.



LG's New R32 Split AWHP

Aims to be the Best Heating Solution

Provides space heating and domestic hot water supply throughout your home all year long.



ECO-CONSCIOUS

R32 refrigerant reduces the global warming potential of existing refrigerant by one-third.

POWERFUL

The revolutionary R1 Compressor for powerful heating performance with less energy.

SMART

Keep warm day and night with LG's Wi-Fi solution, SmartThinQ™.

7 Key Advantages of LG Therma V R32 Split

- Achieves excellent performance, especially at low ambient temperatures under -7°C.
- Promotes green living through R32 refrigerant's low global warming potential.
- Provides smart living solutions with Wi-Fi connectivity via SmartThinQ™.
- Provides a sufficient level of heating by supplying hot water up to 65°C.
- Optimizes efficiency with LG's cutting edge R1 Compressor technology.
- Offers a user-friendly and intuitive interface via a new, stylish remote controller.
- Increases credibility with an EU-regulation compliant energy label of A+++.

SPECIFICATION

Indoor Unit Specification

Description			Unit	HN0916M NK4
Operation Range (Leaving Water)	Heating		°C	15 - 65
	Cooling	For Fan Coil Unit	°C	5 - 27
		For Under Floor	°C	16 - 27
Electric Heater	Power Supply	Phase / Frequency / Voltage	Ø / Hz / V	1 / 50 / 220 - 240
	Number of Heating Coil		EA	2
	Capacity		kW	3 + 3
	Maximum Running Current		A	32
Flow Sensor	Type			Vortex
	Measuring Range		LPM	5 - 80
Piping Connections	Water Circuit	Inlet / Outlet	mm(inch)	Male PT 25(1)
	Refrigerant Circuit	Gas / Liquid	mm(inch)	15.88 Ø (5/8)
Dimensions	Body	W x H x D	mm	490 x 850 x 315
	Net Weight	Body	kg	41
Sound Power Level	Heating	Rated	dB(A)	44

Outdoor Unit Specification

Description	OAT	LWT	Indoor Unit		HN0916M NK4		
			Outdoor Unit	HU051MR U44	HU071MR U44	HU091MR U44	
Nominal Capacity	Heating	7°C	35°C	kW	5.50	7.00	9.00
		7°C	55°C	kW	5.50	5.50	5.50
	Cooling	2°C	35°C	kW	3.30	4.20	5.40
		35°C	18°C	kW	5.50	7.00	9.00
Nominal Power Input	Heating	7°C	35°C	kW	1.12	1.43	1.94
		7°C	55°C	kW	1.57	1.57	1.57
	Cooling	2°C	35°C	kW	0.94	1.20	1.54
		35°C	18°C	kW	1.20	1.56	2.14
COP	Heating	7°C	35°C	W/W	4.90	4.90	4.65
		7°C	55°C	W/W	3.50	3.50	3.50
	Cooling	2°C	35°C	W/W	3.52	3.51	3.50
		35°C	18°C	W/W	4.60	4.50	4.20
Operation Range (Outdoor Air)	Heating	Min. - Max.	°CDB	-25 - 35			
	Cooling	Min. - Max.	°CDB	5 - 48			
Refrigerant	Type			R32			
	GWP (Global Warming Potential)			675			
	Charge		kg	1.5			
	Chargeless Pipe Length		tCO ₂ eq	1.013			
Compressor	Additional Charging Volume		m	10			
	Quantity		g/m	30			
	Type		EA	1			
	Type			Scroll			
Refrigerant Piping Connection	Outer Dia.	Liquid	mm(inch)	9.52 Ø (3/8)			
		Gas	mm(inch)	15.88 Ø (5/8)			
	Length	Standard	m	5			
		Max.	m	50			
Level Difference (ODU - IDU)	Max.	m	30				
Dimensions	Unit	W x H x D	mm	950 x 834 x 330			
Weight	Unit		kg	60			
Sound Power Level	Heating	Rated	dB(A)	60			
Sound Pressure Level (at 1m)	Heating	Rated	dB(A)	50			
Power Supply	Phase / Frequency / Voltage		Ø / Hz / V	1 / 50 / 220 - 240			
	Maximum Running Current		A	21	22	23	
	Recommended Circuit Breaker		A	25			

* Due to our policy of innovation some specifications may be changed without notification.
 * Wiring cable size must comply with the applicable local and national codes. And "Electric characteristics" chapter should be considered for electrical work and design. Especially the power cable and circuit breaker should be selected in accordance with that.
 * LWT: Leaving Water Temperature, OAT: Outdoor Air Temperature.

* Sound level values are measured at anechoic chamber. Therefore, these values depend on the ambient conditions and values are normally higher in actual operation.
 * Performances are based on that interconnected pipe length is standard length and difference of elevation (Outdoor - Indoor unit) is zero.
 * This product contains fluorinated greenhouse gases.

Seasonal Energy

Description			Outdoor Unit	HU051MR U44	HU071MR U44	HU091MR U44
	Indoor Unit		HN0916M NK4			
Space Heating (According to EN14825)	Average Climate	SCOP	-	4.65	4.65	4.65
		Rated Heat Output (Prated)	kW	6	6	6
		Seasonal Space Heating Efficiency (ηs)	%	183	183	183
	Water Outlet 35°C	Seasonal Space Heating Eff. Class (A+++ to D Scale)		A+++	A+++	A+++
		Annual Energy Consumption	kWh	2,444	2,552	2,669
		SCOP		3.23	3.23	3.23
Average Climate	Rated Heat Output (Prated)	kW	6	6	6	
	Seasonal Space Heating Efficiency (ηs)	%	126	126	126	
	Seasonal Space Heating Eff. Class (A+++ to D Scale)		A++	A++	A++	
Water Outlet 55°C	Annual Energy Consumption	kWh	3,843	3,843	3,843	

Note
 1. A+++ label is available from 26, Sep. 2019 and should be considered as A++ label until that time.
 2. EHPA for Austria.

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