

AIR-TO-WATER HEAT PUMP

SPLIT SYSTEM (LOW TEMPERATURE - UP TO 55°C)



LG participates in the ECP programme for EUROVENT AC program.
Check ongoing validity of certification
: www.eurovent-certification.com



Product Specification

DESCRIPTION			OUTDOOR UNIT	HU051.U43	HU071.U43	HU091.U43
			INDOOR UNIT	HN1616.NK3		
Nominal Capacity	Heating	LWT 35°C at OAT 7°C	kW	5.00	7.00	9.00
		LWT 35°C at OAT 2°C	kW	4.30	5.97	7.30
		LWT 50°C at OAT -2°C	kW	6.24	6.68	7.08
		LWT 35°C at OAT -7°C	kW	4.23	5.88	7.53
Nominal Power Input	Heating	LWT 35°C at OAT 7°C	kW	1.01	1.59	2.05
		LWT 35°C at OAT 2°C	kW	3.52	1.70	2.09
		LWT 50°C at OAT -2°C	kW	3.20	3.34	3.54
		LWT 35°C at OAT -7°C	kW	2.78	2.14	2.74
COP	Heating	LWT 35°C at OAT 7°C	W/W	4.93	4.80	4.40
		LWT 35°C at OAT 2°C	W/W	3.52	3.51	3.50
		LWT 50°C at OAT -2°C	W/W	1.95	2.00	2.00
		LWT 35°C at OAT -7°C	W/W	2.78	2.75	2.75
Operation Range	Heating (Outdoor Air)	Min. ~ Max.	°C DB	-20 ~ 35		
	Type			R410A		
Refrigerant	Charge	GWP (Global Warming Potential)		2,088		
			kg	1.8		
			tCO2eq	3.76		
		Chargeless Pipe Length	m	7.5		
Compressor	Type	Additional Charging Volume	g/m	40		
		Quantity	EA	1		
Refrigerant Piping Connection	Outer Dia.	Liquid	mm(in)	Ø 9.52 (3/8)		
		Gas	mm(in)	Ø 15.88 (5/8)		
	Length	Min.	m	3		
		Standard	m	7.5		
		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	59		
Sound Power Level	Heating	Rated	dB(A)	65		
		Phase / Frequency / Voltage	Ø / Hz / V	1 / 50 / 220-240		
Power Supply	Maximum Running Current		A	19.0		
		Recommended Circuit Breaker	A	30		
List Price				£790.00	£930.00	£1,180.00

- Note
1. Due to our policy of innovation some specifications may be changed without notification.
 2. 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.
 3. Sound Level Values are measured at Anechoic chamber. Therefore, these values depend on the ambient conditions and values are normally higher in actual operation.
 4. Performances are based on that Interconnected Pipe Length is standard length and difference of Elevation (Outdoor ~ Indoor Unit) is Zero.
 5. This product contains Fluorinated greenhouse gases.
 6. LWT : Leaving Water Temperature, OAT : Outdoor Air Temperature

Indoor Unit Specification

DESCRIPTION			UNIT	HN1616.NK3
Operation Range	Heating (Leaving Water)		°C	15 ~ 57
	Power supply	Phase / Frequency / Voltage	Ø / Hz / V	1 / 50 / 220-240
Electric Heater	Number of Heating Coil		EA	2
	Capacity		kW	3 + 3
	Maximum Running Current		A	32
Water Flow Rate	Min.		LPM	15
Piping Connections	Water Circuit	Inlet	mm(in)	Male PT 25(1)
		Outlet	mm(in)	Male PT 25(1)
	Refrigerant Circuit	Gas	mm(in)	Ø 15.88 (5/8)
		Liquid	mm(in)	Ø 9.52 (3/8)
Dimensions	Body	W x H x D	mm	490 x 850 x 315
Net Weight	Body		kg	43
Sound power level	Heating	Rated	dBA	44
List Price				£2,680.00

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Product Specification

DESCRIPTION			OUTDOOR UNIT	HU121.U33	HU141.U33	HU161.U33
			INDOOR UNIT	HN1616.NK3		
Nominal Capacity	Heating	LWT 35°C at OAT 7°C	kW	12.00	14.00	16.00
		LWT 35°C at OAT 2°C	kW	10.33	10.83	11.95
		LWT 50°C at OAT -2°C	kW	11.89	11.89	11.89
		LWT 35°C at OAT -7°C	kW	11.00	12.50	13.50
Nominal Power Input	Heating	LWT 35°C at OAT 7°C	kW	2.64	3.17	3.76
		LWT 35°C at OAT 2°C	kW	2.93	3.09	3.41
		LWT 50°C at OAT -2°C	kW	5.25	5.25	5.25
		LWT 35°C at OAT -7°C	kW	3.14	3.73	4.35
COP	Heating	LWT 35°C at OAT 7°C	W/W	4.55	4.41	4.26
		LWT 35°C at OAT 2°C	W/W	3.52	3.51	3.50
		LWT 50°C at OAT -2°C	W/W	2.27	2.27	2.27
		LWT 35°C at OAT -7°C	W/W	3.50	3.35	3.10
Operation Range (Outdoor Air)	Heating	Min. ~ Max.	°C DB	5 - 48		
Refrigerant	Type		-	R410A		
	GWP (Global Warming Potential)		-	2,088		
	Charge		kg	2.3		
	Chargeless Pipe Length		m	7.5		
	Additional Charging Volume		g/m	40		
Compressor	Quantity		EA	1		
	Type		Ø	Rotary		
Refrigerant Piping Connection	Outer Dia.	Liquid	mm(in)	Ø 9.52 (3/8)		
		Gas	mm(in)	Ø 15.88 (5/8)		
	Length	Min.	m	3		
		Standard	m	7.5		
		Max.	m	50		
Level Difference (ODU - IDU)	Max.	m	30			
Dimensions	Unit	W x H x D	mm	950 x 1,380 x 330		
Weight	Unit		kg	94		
Sound Power Level	Heating	Rated	dB(A)	66		
	Phase / Frequency / Voltage		Ø / Hz / V	1 / 50 / 220-240		
Power Supply	Maximum Running Current		A	25		
	Recommended Circuit Breaker		A	40		
List Price - outdoor unit				£1,650.00	£2,050.00	£2,280.00

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Indoor Unit Specification

DESCRIPTION			UNIT	HN1616.NK3
Operation Range	Heating [®] (Leaving Water)		°C	15 - 57
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
Water Flow Rate	Min.		LPM	15
Piping Connections	Water Circuit	Inlet	mm(in)	Male PT 25(1)
		Outlet	mm(in)	Male PT 25(1)
	Refrigerant Circuit	Gas	mm(in)	Ø 15.88 (5/8)
		Liquid	mm(in)	Ø 9.52 (3/8)
Dimensions	Body	W x H x D	mm	490 x 850 x 315
Net Weight	Body		kg	43
Sound power level	Heating	Rated	dBA	44
List Price - indoor unit				£2,680.00