THERMA V™

RENEWABLE › SHIFT AWAY FROM FOSSIL FUELS

Split - High Temperature

Rated A+ on ErP for Seasonal efficiency

LG's energy efficient air-to-water heat pump rated A+.

1 Therma V High Temperature?

A perfect solution for fossil fuel boiler replacement and refurbishment projects due to the ability to produce **up to 80°C** for space heating and domestic hot water, without the use of an electric back-up heater.

Reliable performance with high capacity, even at low ambient temperatures

2 Operation Range

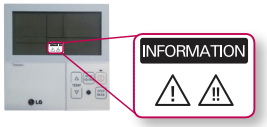
Down to -20°C with water flow temperatures up-to 75°C. (Water flow temperatures up-to 80°C down to -15°C).

outdoor HU161H.U32 / indoor HN161OH.NK2

High Performance

Even at low ambient temperatures.
- 16.8kW at A7/W45
- 16.6kW at A-2/W55
- 15.1kW at A-7/W65

1 Emergency Operation



- In case of **Minor Error**
(Mainly caused by sensor)
- THERMA V = ON, Electric Heater = ON/OFF

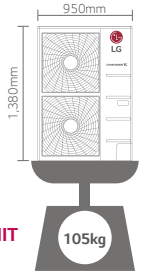
- In case of **Major Error**
(Mainly caused by cycle parts)
- THERMA V = OFF, Electric Heater = ON

2 Easy to Use and Commission

With multi-line, back-lit stylish controller. Online video support for holiday/child lock programming.

3 Designed for Maximum Comfort

LG air-to-water heat pumps are compact, simple design to guarantee easy installation and convenient maintenance.



HT OUTDOOR UNIT

Hidden Technology

Outdoor unit can be sited up-to 50m away from the indoor unit. The indoor unit can be positioned anywhere within the home - it does not need to be on an outside wall.

1 MCS Accredited

To enable installations to apply for the Domestic Renewable Heat Incentive. Up to 65°C

2 Extensive 7 Years Warranty

7 years on parts and 7 years labour allowance for LG approved installers. We do this so you know that the quality of LG's Therma V product is installed to the same standard.

3 Radiators or Underfloor Heating

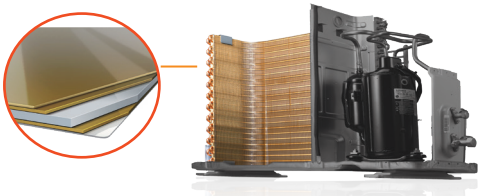
Therma V can be used in replace of a conventional fossil-fuel boiler system, able to connect to radiators, underfloor heating, DHW cylinder/tank.

Reliable and Robust

Product from a globally recognised brand, known for high quality products for the home.

1 Corrosion Resistant Heat Exchanger Coating from the Factory

Heat exchanger fin and coil coated with Gold-fin coloured anti-corrosive acryl treatment, to prevent corrosion in coastal areas and for a premium appearance



2 Solar Connection

Simple accessory kit can be provided to connect to new or existing solar thermal panel.

LG Business Solutions

Split - High Temperature

16kW - UP TO 80°C

outdoor HU161H.U32

indoor HN161OH.NK2

MCS certification up to 65°C

HIGH TEMP. SLIT (OUTDOOR UNIT)		Capacity	16kW 1Ø
		Reference	HU161H.U32
Nominal Capacity	Heating (A7 / W65)	kW	16.00
	Heating (A2 / W65)	kW	14.60
	Heating (A-2 / W65)	kW	15.70
	Heating (A-7 / W65)	kW	15.10
	Heating (A7 / W35)	kW	16.00
Nominal Power Input	Heating (A7 / W65)	kW	6.13
	Heating (A2 / W65)	kW	6.81
	Heating (A-2 / W65)	kW	6.96
	Heating (A-7 / W65)	kW	7.20
	Heating (A7 / W35)	kW	4.70
COP	Heating (A7 / W65)	kW	2.61
	Heating (A2 / W65)	kW	2.14
	Heating (A-2 / W65)	kW	2.25
	Heating (A-7 / W65)	kW	2.09
	Heating (A7 / W35)	kW	3.40
Dimension	W x H x D	mm	950 x 1,380 x 330
Weight		Kg	105
Sound Power Level (Heating)		dB (A)	68
Outdoor Air Operation Range	Heating	°C DB	-15 ~ 35
Refrigerant (R410a)	Pipe Diameter (Liquid)	mm (inch)	9.52 (3/8)
	Pipe Diameter (Gas)	mm (inch)	15.88 (5/8)
	Pre-Charged Amount	kg	3.5
		TCO_2 eq	7.3
	GWP		2,087.5
	Chargeless Pipe Length	m	10
	Additional Charging Volume	G/m	60
Ref. Pipe Length	Minimum	m	5
	Standard	m	7.5
	Maximum	m	50
Power Supply		P / V / Hz	1 / 220-240 / 50
Recommended Fuse		A	25
[1]Maximum Running Current		A	19.0
[1]Maximum Circuit Breaker Rating		A	25
[2]Maximum Running Current (For Electric Heater without DHW)		A	
[2]Maximum Circuit Breaker Rating (For Electric Heater without DHW)		A	
[2]Maximum Running Current (For Electric Heater with DHW)		A	
[2]Maximum Circuit Breaker Rating (For Electric Heater with DHW)		A	
Power Supply		P/V/Hz	1, 220-240, 50
Recommended Fuse		A	20

Note : This product contains Fluorinated Greenhouse Gases. R410A

1. Capacities are based on the following conditions: • Cooling conditions - Indoor Water Temperature 23°C/18°C | Outdoor Air Temperature 35°CDB/24°CWB • Heating conditions - Indoor Water Temperature 30°C/35°C Outdoor Air Temperature 7°CDB/6°CWB / Standard piping length 7.5m • Difference Limit of Elevation (Outdoor ~ Indoor Unit) is Zero.
2. Wiring cable size must comply with the applicable local and national codes. 3. Due to our policy of innovation some specifications may be changed without notification.
4. Sound Level Values are measured at Anechoic chamber. Therefore, these values can be increased owing to ambient conditions during operation.

HIGH TEMP. SLIT (INDOOR UNIT)		Reference	HN1610H.NK2
Dimension	W x H x D	mm	520 x 1,080 x 330
Weight		kg	94
Sound Power Level (Heating)		dB (A)	57
Nominal Power Input	Heating	kW	6.13
Leaving Water Temp. Range	Heating	°C	25 ~ 80
Water Flowrate Limit		LPM	Min.15
Refrigerant (R134a)	Pipe Diameter (Liquid)	mm (inch)	9.52 (3/8)
	Pipe Diameter (Gas)	mm (inch)	15.88 (5/8)
	Pre-Charged Amount	kg	2.3
		TCO_2 eq	3.3
	GWP		1430
Water Pipe Connection	Inlet	mm (inch)	Male PT 25 (1)
	Outlet	mm (inch)	Male PT 25 (1)
Draining Pipe Connection		mm (inch)	Male PT 25 (1)
Power Supply		P / V / Hz	1 / 220-240 / 50
Recommended Fuse		A	25
Seasonal space energy efficiency class	35°C / 55°C		A / A+
Seasonal spaceenergy efficiency (average)	35°C / 55°C	%	115 / 113
Rated heat output (average)	35°C / 55°C	kW	13 / 11
Annual energy consumption (average)	35°C / 55°C	kWh	9,395 / 7,642

This product contains Fluorinated Greenhouse gases R134a. Specifications based on EN 14511 and EN 14825.