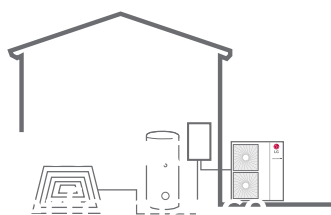


Monobloc *100% performance even at -7°C ambient temperature*

THERMA V™



High performance unit

- High Energy Efficiency (SCOP 4.45/**A+++**)
- Excellent Performance at Low Ambient Temperature (100% @ -7°C)
- Wide Operation Range
- Reduced Noise Level
- Revolutionary Scroll Compressor
- Wet Vapour Injection

Time saving commissioning

- Easy Installation and Maintenance
- All-In-One Concept (No Refrigerant Pipework)
- Easy Commissioning by PC Tool (LG Heating Configurator)

User convenience

- New Interface
- LG Wi-Fi Solution (Smart ThinQ)
- Various Temperature Control Options

High performance unit

R32 refrigerant has a low Global Warming Potential (GWP) of 675, and has been shown to have a remarkably reduced environmental impact compared to other refrigerants such as R410A. Its high efficiency is proven as just a smaller amount of R32 is required (15% less gas charge compared to R410A) with better heating performance at lower ambient temperatures whilst using less refrigerant per kilowatt of capacity delivered.

R32 refrigerant compression rate contributes to higher system capacity than products using R410A.



Time saving commissioning

Based on installation site information, installers can prepare pre-settings with LG's **Heating Configurator** program and save data into a memory card from the office. This can reduce their time on site if there are many controllers.

- The Therma V remote controller can be configured based on site specific installation requirements and uploaded to a memory card.
- The memory card can be used to commission multiple units, saving time and money.

The remote controller can store up to 50 history items, making it possible to easily identify the rare cause of malfunction or faults using the history data and give a prompt solution.



User convenience

Users can access their Therma V Monobloc from anywhere at anytime, using LG's smartThinQ app (Android or iOS based mobile phones) or even voice control from smart speaker (optional accessory required).

Simple operation for various functions include, On/Off, Operation Mode Selection, Current temperature, Set temperature, On/Off Reservation and Energy Monitoring.

Mandatory Accessory: PWFMD200 (LG Wi-Fi Modem) and PWYREV000 (10m extension connect cable in between the THERMA V unit and Wi-Fi module)



MONOBLOC UP TO 65°C

A+++

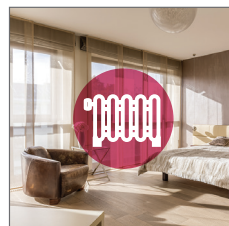


Image above shows a single fan and a double fan monobloc unit.
LG Monobloc consist of one outdoor unit.



KIWA MCS up to 55°C for domestic RHI payments
<https://www.ofgem.gov.uk/environmental-programmes/domestic-rhi/about-domestic-rhi>

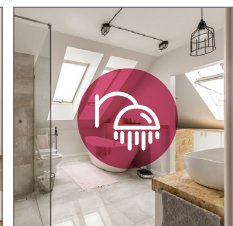
VARIOUS APPLICATION



RADIATOR



FLOOR HEATING



HOT WATER

THERMA V™ Black Fin



LG's THERMA V has been designed to provide great customer values such as - energy savings, perfect indoor comfort, easy controls and reduced environmental impact.

LG's heating products provide an energy efficient heating solution for the home. Through continuous research and development of green energy technologies such as R32 refrigerant and the new revolutionary 'R1' scroll compressor, the Monobloc from LG Electronics provides excellent energy efficiency along with optimal components such as the A class water pump, the heat exchanger expansion vessel, strainer and fan motor, all contained within the outdoor unit supplying the ideal indoor comfort and environment values are met.¹⁾

LG's pressure control technology ensures stable heating capacity at low temperatures and reaches target performance quickly. The heat exchangers are coated in LG's Black Fin epoxy resin coating, designed to perform well in highly corrosive environments ensuring a longer lifespan and lower operational costs for the unit, as well as contributing to reliability in a system.

LG's full Monobloc line-up from 5kW ~16kW single phase and 12kW ~16kW three phase (heating capacity).

Information - A monobloc unit will be situated on the outside of a building with only water connections going into the properties wet central heating system.

Description			Unit	HM051M.U43	HM071M.U43	HM091M.U43	HM121M.U33 HM123M.U33	HM141M.U33 HM143M.U33	HM161M.U33 HM163M.U33
Nominal capacity	Heating	LWT 35°C at OAT 7°C	kW	5.50	7.00	9.00	12.00	14.00	16.00
		LWT 55°C at OAT 7°C	kW	5.50	7.00	9.00	12.00	14.00	16.00
		LWT 35°C at OAT 2°C	kW	5.50	7.00	9.00	12.00	14.00	16.00
		LWT 35°C at OAT -7°C	kW	5.50	7.00	9.00	12.00	14.00	16.00
		LWT 55°C at OAT -7°C	kW	5.50	7.00	9.00	12.00	14.00	16.00
COP	Heating	LWT 35°C at OAT 7°C	kW	4.50	4.50	4.18	4.60	4.50	4.00
		LWT 55°C at OAT 7°C	kW	2.70	2.70	2.70	2.80	2.80	2.80
		LWT 35°C at OAT 2°C	kW	3.52	3.51	3.50	3.52	3.51	3.50
		LWT 35°C at OAT 2°C	kW	3.52	3.51	3.50	3.52	3.51	3.50
SCOP (Low temp. Average Climate)			kW	4.45	4.45	4.45	4.45	4.45	4.45
Operation range	Heating	Water Side (LWT)	°C	15 ~ 65			15 ~ 65		
		Air Side	°C	-25 ~ 35			-25 ~ 35		
	Domestic Hot Water	Water Side (LWT)	°C	15 ~ 80					
Sound power level	Heating	Max,	dB(A)	67	67	67	69	69	69
		Rated	dB(A)	60	60	60	63	63	63
		Low noise	dB(A)	58	58	58	61	61	61
Dimensions	Unit	W x H x D	mm	1,239 × 834 × 330			1,239 × 1,380 × 330		
Net weight	Unit		kg	91			125		
Refrigerant	Type and GWP			R32 - 675					

Notes

Performances are accordance with EN14511.

LWT : Leaving Water Temperature, OAT : Outdoor Air Temperature

1) An optional back-up heater can be purchased if required.

* This product contains Fluorinated greenhouse gases (R32) an A2L mildly flammable refrigerants

Installation of an air source heat pump used solely for heating on domestic properties is considered to be under permitted development, not needing an application for planning permission provided all telits are met. Check with your local authority for their list of conditions.



Renewable technology



Comfortable home



Lower bills



Reduce carbon emissions