

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



High performance R32 monobloc unit



R32 refrigerant has a global Warming Potential (GWP) of only 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 also using less refrigerant per kilowatt of capacity delivered.

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



Time saving commissioning

Based on installation site information, installers can prepare presetting with LG's **Heating Configurator** program and save data into memory card from the office.

- 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.

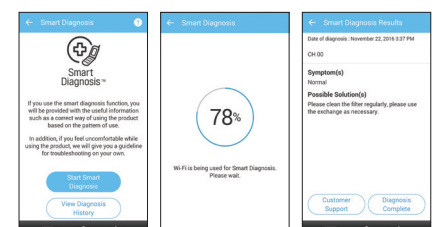
The remote controller can store up to 50 history items, making it possible to easily identify cause of malfunction or faults using the history data and prompt solution.



User convenience

Smart Diagnosis allows users to conveniently check set up, installation, troubleshooting and other information directly from a smartphone. Whenever, wherever the end-user will have easy access and control of their Therma V monobloc unit by using the smart internet devices (Android or iOS based mobile phones).

By using "LG Smart ThinQ" App and clicking "Start Smart Diagnosis", monitor and check diagnosis results conveniently via Wi-Fi.





MONOBLOC UP TO 65°C



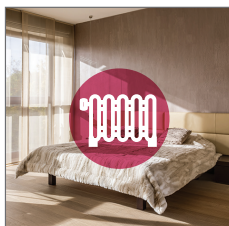
Image above shows a single fan and a double fan monobloc unit.
LG Monobloc consist of one outdoor unit.



KIWA MCS up to 55°C for RHI payments



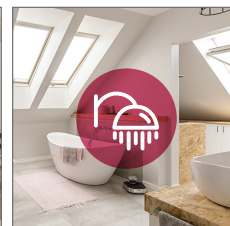
VARIOUS APPLICATION



RADIATOR



FLOOR HEATING



HOT WATER

THERMA V™

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.

The LG Therma V Monobloc unit operates on the low (global warming potential) GWP R32 refrigerant. Combined with LG's **Inverter Scroll Technology** the Monobloc 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 temperature and reaches target performance quickly.

The all-in-one structure, **Ocean Black Fin** corrosion prevention coating and users-oriented functions enhance professional reputations as well as end-users happiness by experiencing the LG's full Monobloc line-up from 5kW to 16kW single phase and 12kW to 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
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					
Dimensions	Unit	W x H x D	mm	1,239 × 907 × 404			1,239 × 1,450 × 404		
Net weight	Unit		kg	96			130		
Refrigerant	Type and GWP			R32 - GWP 675					
Energy label	Heating	(A++ to E Scale)		A++					

Notes

A+++ label is available from 26, Sep. 2019 and should be considered as A++ label until that time.
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). R32 is under the category A2L mildly flammable refrigerants and as such are **NOT SUITABLE** for retrofit applications.