

MONOBLOC R32 SINGLE FAN

Model	HM015M HM017M HM019M
Capacity	5KW / 7KW / 9KW
Type	OUTDOOR UNIT AWHP
Phase	Single

Overview

The LG Therma V R32 Monobloc is a fully packaged outdoor unit. There is no need for refrigerant piping work since the Monobloc is a sealed unit and must be located outside only connecting to water piping. Hydronic components such as plate heat exchanger, expansion tank and water pump are included in the inside of the unit. This product has the following characteristics which make it best suited for small and medium sized houses or flats.

Specifications			
Dimensions	H * W * D (mm)	1,239 * 834 * 330	
Heating operation range	Water side	16 ~ 65°C	
	Ambient side	[minus] -25 ~ 35°C	
Sound pressure (in accordance with ISO 3745)	@1m	50dB(A)	
Inverter compressor	Type: R1	Range (Hz)	10 ~ 150

The single fan unit is compact meeting permitted planning permission rights (PDR)

Model	HP	Nominal Capacity (kW)	Cubic Volume (m3)	Weight (kg)	Charged R32 (kg)
HM051M.U43	5	5.50	0.341	91	1.4
HM071M.U43	7	7.00	0.341	91	1.4
HM091M.U43	9	9.00	0.341	91	1.4

Key Features

- Side discharge, suitable to install on ground or balconies
- Compact size, light weight, easy to install
- Under permitted planning permission rights (PDR)
- Low noise, and night silent mode available
- Heating leaving water temperature (LWT) up to 65°C
- Inverter compressor** with enhanced durability and reliability
- High efficiency with a wide operation range
- 100% capacity down to -7°C** ambient temperature at 55°C water temperature
- High performance (heating operation) in very low outdoor temperatures

Outdoor coils - Black Fin Coating

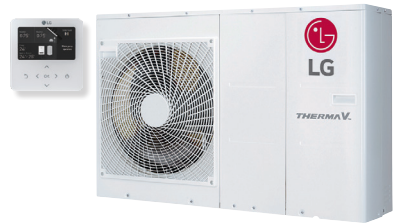
The aluminium fin has a factory applied highly corrosion resistant epoxy resin coating, covered with a Hydrophilic coating on top, to minimise moisture build-up on the surface of the heat exchanger fins. The Black Fin coating improves the unit durability and prolongs the product lifespan

Black Fin technology has been independently tested in compliance with ISO 21207 and the results were certified by global certification organisation UL (Underwriters Laboratory).

Nominal capacity	HM051M.U43	HM071M.U43	HM091M.U43
LWT 35°C at OAT 7°C	5.50	7.00	9.00
LWT 55°C at OAT 7°C	5.50	7.00	9.00
LWT 35°C at OAT 2°C	5.50	7.00	9.00
LWT 35°C at OAT -7°C	5.50	7.00	9.00
LWT 55°C at OAT -7°C	5.50	7.00	9.00
COP	HM051M.U43	HM071M.U43	HM091M.U43
LWT 35°C at OAT 7°C	4.50	4.50	4.18
LWT 55°C at OAT 7°C	2.70	2.70	2.70
LWT 35°C at OAT 2°C	3.52	3.51	3.50

THERMA V™

AIR TO WATER HEAT PUMP SYSTEM



MCS Product Approved

MCS Product Certification Scheme Standards: MCS010, MCS011, MCS007

Certificate number | KIWA 00033

Wired controller

- The Monobloc unit is supplied with a premium wired controller.
- 4.3" colour, LCD graphic screen
- Up to 30 events can be set; including installer functions such as data logging
- operational history
- error reports
- LG Configuration software up to 50 history items stored.
- The 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.

Optional Wi Fi control - ThinQ app

- Users can access their Therma V system from anywhere at anytime, using LG's ThinQ 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)
- PWYREW000 (10m extension connect cable inbetween the THERMA V unit and Wi-Fi module)

7 years warranty

A parts and labour contribution for up to 7 years. Subject to attending LG Therma V training course and other stipulations as shown in LG's Warranty Policy reference: [LGUNWPv3_03_19](#). Which can be found at <http://partner.lge.com/uk/index.lge>.

This product contains fluorinated greenhouse gases (R32)



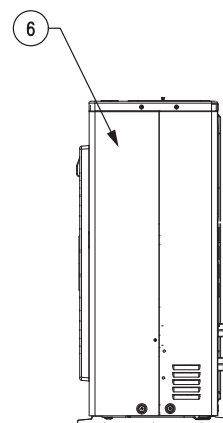
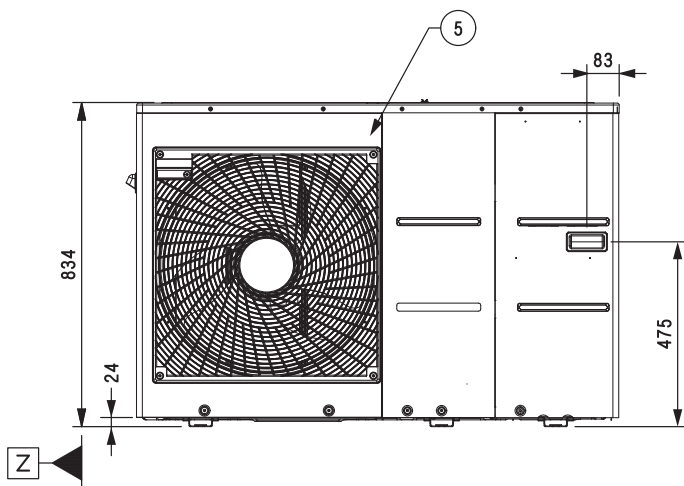
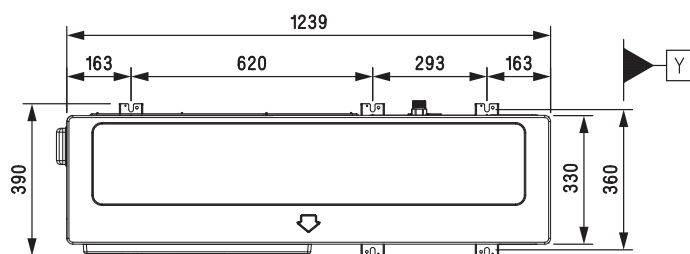
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Category	Unit	Model Name		
		Capacity (kW)		
		5.5	7.0	9.0
1 Phase Model 220 ~ 240V, 1Ø, 50Hz	Monobloc Unit	HM051M U43	HM071M U43	HM091M U43



Side View

