



LG Monobloc S II
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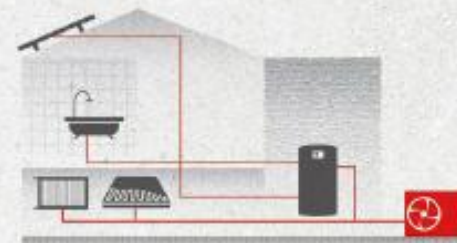


The Final Evolution of the R32 Monobloc

The R32 Monobloc S II is the ultimate evolution of the R32 Monobloc series, with all the benefits of the R32 Monobloc S in a sleek gray European design.

What is R32 Monobloc S II

The THERMA V R32 Monobloc S II is the next generation model that continues the legacy of the LG THERMA V R32 Monobloc S. The new generation's sleek look matches that of the rest of the modernized line-up, while maintaining the excellent performance of the existing R32 Monobloc S, and that the single fan design has been applied to not only the 5, 7, and 9 kW but also the 12, 14, and 16 kW models. Along with these design changes, various features and installation conveniences that were developed from the R290 Monobloc have been reflected.



Key Features

- Capacity range from 5 to 16 kW for new build and renovation
- Refined gray design that adapt to various surroundings
- Standalone heat pump allowing easy installation (Plug and play solution)
- ErP Energy Labeling A+++ / A++ for space heating (Average Climate 35°C / 55°C LWT)
- Low noise level for high installation flexibility
- 100% Heating capacity at -15°C outdoor temperature (16 kW 90%)
- Maximum flow temperature up to 65°C
- Operation range down to -25°C



Product Range

Phase	Capacity (kW)	Outdoor Unit
10	5	HMD51MRS UA40
	7	HMD71MRS UA40
	9	HMD91MRS UA40
	12	HMD121MRS UA40
	14	HMD141MRS UA40
	16	HMD161MRS UA40
30	12	HMD123MRS UA40
	14	HMD143MRS UA40
	16	HMD163MRS UA40



THERMA V R32 MONOBLOC S II (5 / 7 / 9 kW)

Outdoor unit

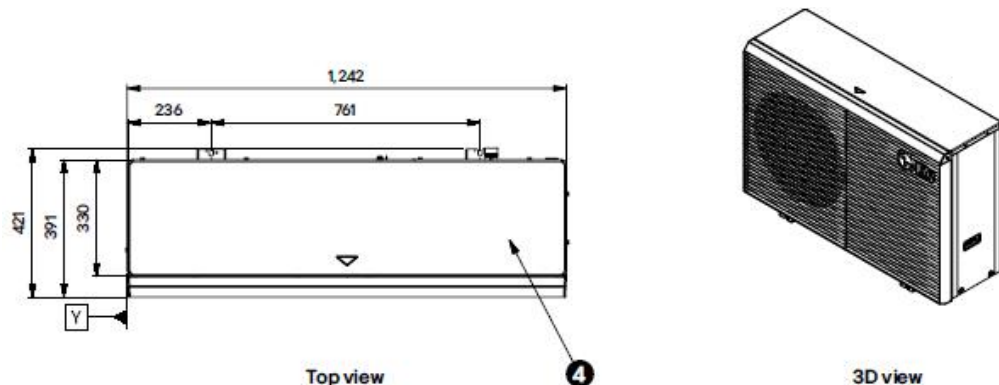
HM051MRS UA40
HM071MRS UA40
HM091MRS UA40



ThinQ

Product Specification

Efficiency Data		Unit	5 kW (t Ø)	7 kW (t Ø)	9 kW (t Ø)
Seasonal space heating eff. class (35°C / 55°C)		-	A+++ / A++	A+++ / A++	A+++ / A++
Seasonal space heating efficiency (η_{sp}) (35°C / 55°C)		%	175 / 125	176 / 125	179 / 125
SCOP (35°C / 55°C)		-	4.46 / 3.20	4.48 / 3.20	4.55 / 3.20
Sound power level	Rated / low noise mode	dB(A)	57 / 54	57 / 55	57 / 55
Sound pressure level at 5m	Rated / low noise mode	dB(A)	35 / 32	35 / 33	35 / 33
Nominal Capacity and COP/EER					
Air +7°C / water +35°C	Heating capacity / COP	kW / -	5.50 / 4.70	7.00 / 4.70	9.00 / 4.60
Air +2°C / water +35°C	Heating capacity / COP	kW / -	5.50 / 3.60	6.00 / 3.55	7.00 / 3.50
Air +7°C / water +55°C	Heating capacity / COP	kW / -	5.50 / 2.70	5.75 / 2.70	6.00 / 2.70
Air +35°C / water +18°C	Cooling capacity / EER	kW / -	5.50 / 4.70	7.00 / 4.65	9.00 / 4.60
Air +35°C / water +7°C	Cooling capacity / EER	kW / -	5.50 / 3.30	7.00 / 3.20	9.00 / 3.00
Outdoor Units		Unit	HM051MRS UA40	HM071MRS UA40	HM091MRS UA40
Operation range (outdoor air temperature)	Heating & DHW (Min. - Max.)	°C	-25 ~ 35		
	Cooling (Min. - Max.)	°C	5 ~ 48		
Operation range (leaving water temperature)	Heating (Min. - Max.)	°C	15 ~ 65		
	Cooling (Min. - Max.)	°C	5 ~ 27		
	DHW (Min. - Max.)	°C	15 ~ 80		
Refrigerant	Type	-	R32		
	GWP	-	675		
	Precharged amount	g	1,400		
Piping connections (water)	Inlet / outlet diameter	inch	Male PT 1" according to ISO 7-1 (tapered pipe threads)		
Expansion vessel (heating circuit)	Volume	l	8		
Dimension	H x W x D	mm	853 x 1,242 x 391		
Weight	Net	kg	94		
Exterior	Color of chassis / RAL code	-	Dawn gray / RAL 7037		
	Color of front grille / RAL code	-	Dark dawn gray / RAL 7012		
Power supply	Voltage, phase, frequency	V Ø, Hz	220 ~ 240, 1, 50		
	Standby power consumption	W	10		
	Recommended circuit breaker	A	16	20	25





THERMA V R32 MONOBLOC S II (12 / 14 / 16 kW)

Outdoor unit

HM121MRS UB40 / HM123MRS UB40
HM141MRS UB40 / HM143MRS UB40
HM161MRS UB40 / HM163MRS UB40



Product Specification

Efficiency Data		Unit	12 kW (1 Ø) 12 kW (3 Ø)	14 kW (1 Ø) 14 kW (3 Ø)	16 kW (1 Ø) 16 kW (3 Ø)
Seasonal space heating eff. class (35°C / 55°C)		-	A+++ / A++	A+++ / A++	A+++ / A++
Seasonal space heating efficiency (η _s) (35°C / 55°C)		%	184 / 136	182 / 135	178 / 135
SCOP (35°C / 55°C)		-	4.67 / 3.47	4.62 / 3.46	4.53 / 3.45
Sound power level	Rated / low noise mode	dB(A)	60 / 56	61 / 57	61 / 57
Sound pressure level at 5m	Rated / low noise mode	dB(A)	38 / 34	39 / 35	39 / 35
Nominal Capacity and COP/EER					
Air +7°C / water +35°C	Heating capacity / COP	kW / -	12.00 / 4.90	14.00 / 4.80	16.00 / 4.70
Air +2°C / water +35°C	Heating capacity / COP	kW / -	11.00 / 3.60	12.00 / 3.55	13.80 / 3.50
Air +7°C / water +55°C	Heating capacity / COP	kW / -	11.00 / 2.90	11.50 / 2.85	12.00 / 2.80
Air +35°C / water +18°C	Cooling capacity / EER	kW / -	12.00 / 4.80	14.00 / 4.70	16.00 / 4.60
Air +35°C / water +7°C	Cooling capacity / EER	kW / -	12.00 / 3.20	14.00 / 3.10	15.00 / 3.00
Outdoor Units		Unit	HM121MRS UB40 HM123MRS UB40	HM141MRS UB40 HM143MRS UB40	HM161MRS UB40 HM163MRS UB40
Operation range (outdoor air temperature)	Heating & DHW (Min. - Max.)	°C	-25 ~ 35		
	Cooling (Min. - Max.)	°C	5 ~ 48		
Operation range (leaving water temperature)	Heating (Min. - Max.)	°C	15 ~ 65		
	Cooling (Min. - Max.)	°C	5 ~ 27		
	DHW (Min. - Max.)	°C	15 ~ 80		
Refrigerant	Type	-	R32		
	GWP	-	675		
	Precharged amount	g	1,600		
Piping connections (water)	Inlet / outlet diameter	inch	Male PT 1" according to ISO 7-1 (tapered pipe threads)		
Expansion vessel (heating circuit)	Volume	l	8		
Dimension	H x W x D	mm	1,019 x 1,320 x 520		
Weight	Net	kg	117		
Exterior	Color of chassis / RAL code	-	Dawn gray / RAL 7037		
	Color of front grille / RAL code	-	Dark dawn gray / RAL 7012		
Power supply	Voltage, phase, frequency	V Ø, Hz	220 ~ 240, 1, 50 / 380 ~ 415, 3, 50		
	Standby power consumption	W	10		
	Recommended circuit breaker	A	40 / 16		

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Key Components

Outdoor Unit



Components

- 1) Standard III remote controller^{1) 2)}
- 2) Black Fin heat exchanger (air / ref.)
- 3) Biomimetic fan
- 4) R1 compressor
- 5) Hydronic components assembly
- 6) Air vent valve
- 7) Safety valve
- 8) Water pump
- 9) Pressure sensor
- 10) Flow sensor
- 11) Expansion tank (8l)
- 12) Plate heat exchanger
- 13) Strainer (loose supplied)

1) The remote controller is supplied with the product, but it needs to be installed separately.

2) Temperature control class (ERP class) : V

Connections

- A Leaving water pipe (male PT 1")
- B Entering water pipe (male PT 1")



THERMA V[™] LINE-UP INTRODUCTION

R290 Heat Pump Water Heater



The new refrigerant technology allows the unit to efficiently reach outlet temperatures of up to 75°C. Available in sizes ranging from 100 to 200 liters, the unit is developed to meet the capacity needs of each household. Designed with modern living in mind, the R290 Heat Pump Water Heater blends seamlessly into any indoor space. Plus, its ultra-low noise level-quieter than a typical office-ensures everyday comfort without disruption. The magnesium anode and ICCP (Impressed Current Cathodic Protection) help to always keep the tank clean by preventing interior corrosion.

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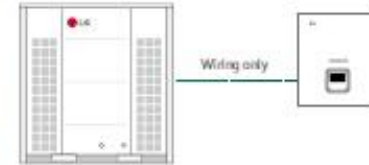
Line-up	Capacity (l)	80 l	100 l	150 l	200 l	270 l	300 l
R290 Heat Pump Water Heater	1 Ø 230 V		•	•	•		

R32 Monobloc 51 kW



The LG R32 Monobloc 51 kW is a large capacity heat pump that provides a collective central heating solution for multi-family houses or light commercial buildings. Ideal for locations that require reliable heating and cooling year-round, this air to water heat pump offers a versatile solution.

Operating efficiently as a single system, it is well-suited for various commercial spaces including multi family house, office buildings, schools and universities.

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Line-up	Capacity (kW)	18.0	24.0	32.0	36.0	48.0	51.0	64.0	80.0	96.0	112.0	128.0
R32 Monobloc 51 kW	3 Ø 400 V	Recommend to use Cascade Solution					•	Recommend to use Cascade Solution				