

EXCELLENT PERFORMANCE

Excellent Performance at Low Ambient Temperature (100% @ -7°C)
Wide Operation Range (Leaving water temperature up to 65°C)

Performance in Heating mode (Include defrost effect)

Outdoor Temperature		Water Flow Rate 25.9 LPM				Water Flow Rate 16.2 LPM		Water Flow Rate 12.9 LPM	
		LWT 30°C	LWT 35°C	LWT 40°C	LWT 45°C	LWT 50°C	LWT 55°C	LWT 60°C	LWT 65°C
		TC	TC	TC	TC	TC	TC	TC	TC
-25	°CDB	5.66	5.09	4.57	4.02				
-20	°CDB	6.61	6.50	5.61	4.89	4.32			
-15	°CDB	7.33	7.36	7.25	6.99	6.35	5.77		
-7	°CDB	9.00	9.00	9.00	9.00	9.00	8.42		
-4	°CDB	9.00	9.00	9.00	9.00	9.00	9.00	6.87	
-2	°CDB	9.00	9.00	9.00	9.00	9.00	9.00	7.09	
2	°CDB	9.00	9.00	9.00	9.00	9.00	9.00	7.48	
7	°CDB	9.00	9.00	9.00	9.00	9.00	9.00	7.87	7.14
10	°CDB	9.00	9.00	9.00	9.00	9.00	9.00	8.06	7.34
15	°CDB	9.00	9.00	9.00	9.00	9.00	9.00	8.28	7.58
18	°CDB	9.00	9.00	9.00	9.00	9.00	9.00	8.36	7.68
20	°CDB	9.00	9.00	9.00	9.00	9.00	9.00	8.40	7.72
35	°CDB	9.00	9.00	9.00	9.00	9.00	9.00	8.45	7.80

Performance in Cooling mode

Outdoor Temperature		Water Flow Rate 25.9 LPM						
		LWT 7°C	LWT 10°C	LWT 13°C	LWT 15°C	LWT 18°C	LWT 20°C	LWT 22°C
		TC	TC	TC	TC	TC	TC	TC
10	°CDB	8.50	9.31	10.12	10.66	11.47	12.00	12.54
20	°CDB	8.70	9.19	9.67	9.99	10.48	10.8	11.13
30	°CDB	8.90	9.06	9.22	9.33	9.49	9.60	9.71
35	°CDB	9.00	9.00	9.00	9.00	9.00	9.00	9.00
40	°CDB	9.10	9.02	8.94	8.89	8.81	8.76	8.71
45	°CDB	9.20	9.04	8.89	8.78	8.63	8.52	8.42

Note

1. DB : Dry bulb temperature (°C), LWT : Leaving water temperature (°C), LPM : Liters per minute (l/min)
2. TC : Total capacity (kW), COP : Coefficient of performance (kW/kW)
3. Direct interpolation is permissible. Do not extrapolate.
4. Measuring procedure follows EN14511.
 - Rated values are based on standard conditions, and it can be found on specifications.
 - Above table values may not be matched according to installation condition. Except for rated value, the performance is not guaranteed.
 - In accordance with the test standard (or nations), the results may vary.
 - The shaded areas are not guaranteed continuous operation.

SPECIFICATION

Product Specification

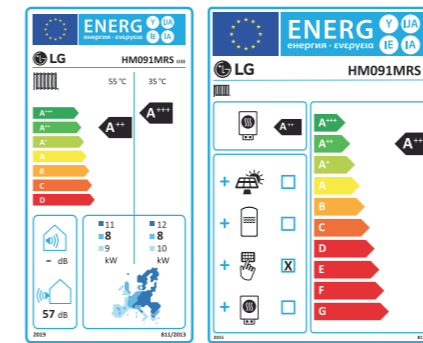
Description	OAT	LWT	Unit	HM091MRS U33
Nominal Capacity	Heating	7°C	35°C	9.00
		2°C	35°C	6.00
	Cooling	35°C	18°C	8.00
Nominal Power Input	Heating	7°C	35°C	9.00
		2°C	35°C	1.76
	Cooling	35°C	18°C	2.14
COP	Heating	7°C	35°C	2.16
		2°C	35°C	1.80
	Cooling	35°C	7°C	3.00
EER	Heating	7°C	35°C	5.10
		2°C	35°C	2.80
	Cooling	35°C	18°C	3.70
Operation Range (Outdoor Air)	Heating	Min. - Max.	°C DB	5.00
		Min. - Max.	°C DB	3.00
	Cooling	Min. - Max.	°C DB	-25 - 35
Operation Range (Leaving Water Temp.)	Heating	Min. - Max.	°C DB	5 - 48
		Min. - Max.	°C DB	15 - 65
	Cooling	Min. - Max.	°C DB	5 - 27
Refrigerant	DHW	Min. - Max.	°C DB	15 - 80
		Type	-	R32
	GWPP (Global Warming Potential)	-	-	675
Compressor	Precharged Amount	-	kg	2.1
		tCO ₂ eq	tCO ₂ eq	1.418
	Quantity	EA	-	1
Water Flow Rate	Type	-	-	Hermetic Sealed Scroll
		Rated	l/min	25.9
	Piping Connection	Water Circuit	Inlet	mm(inch)
Dimensions	Unit	Outlet	mm(inch)	Male PT 25(1)
		W x H x D	mm	1,239 x 1,380 x 330
	Weight	Unit	kg	115.5
Sound Power Level	Heating	Rated	dB(A)	57
		Low noise mode	dB(A)	54
	Cooling	Rated	dB(A)	35
Sound Pressure Level (at 5m)	Heating	Rated	dB(A)	35
		Low noise mode	dB(A)	32
	Cooling	Rated	dB(A)	32
Power Supply	Phase / Frequency / Voltage	-	Ø / Hz / V	1 / 50 / 220-240
		Maximum Running Current	A	15
	Recommended Circuit Breaker	A	-	16

* Due to our policy of innovation some specifications may be changed without notification.
* Wiring cable size must comply with the applicable local and national codes.
And "Electric characteristics" chapter should be considered for electrical work and design.
Especially the power cable and circuit breaker should be selected in accordance with that.
* LWT : Leaving Water Temperature, OAT : Outdoor Air Temperature.
* DHW 58-80 Operating is available only when the booster heater is operating.

* Sound level values are measured at anechoic chamber. Therefore, these values depend on the ambient conditions and values are normally higher in actual operation.
* Performances are accordance with EN14511 and reflect ErP testing conditions.
Above gives the declared values at rated conditions acc. ErP regulation.
* This product contains fluorinated greenhouse gases.

Seasonal Energy

Description	Unit	HM091MRS U33	
Space Heating (According to EN14825)	SCOP	-	
	Rated Heat Output (Prated)	kW	4.68
	Seasonal Space Heating Efficiency (ηs)	%	8
	Seasonal Space Heating Eff. Class (A+++ to D Scale)	-	A+++
	Annual Energy Consumption	kWh	3,533
	SCOP	-	3.33
Average Climate Water Outlet 55°C	Rated Heat Output (Prated)	kW	8
	Seasonal Space Heating Efficiency (ηs)	%	130
	Seasonal Space Heating Eff. Class (A+++ to D Scale)	-	A++
	Annual Energy Consumption	kWh	4,971



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THERMA V™

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GETTING TO KNOW THERMA V MONOBLOC SILENT



LOW SOUND LEVEL ALLOWING HIGH INSTALLATION LOCATION FLEXIBILITY

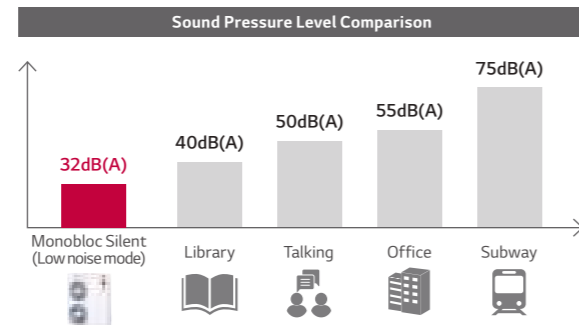
Low Sound Level

With a sound level that is quieter than a library, Therma V Monobloc Silent operates at 32dB(A) in Low noise mode, creating a tranquil environment indoors and outdoors.



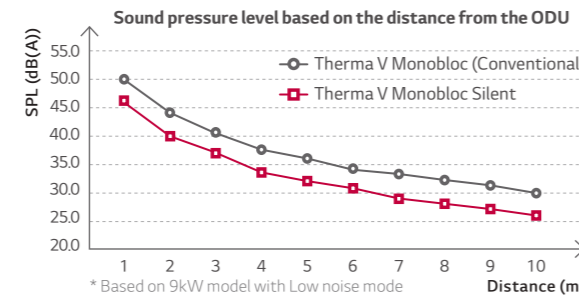
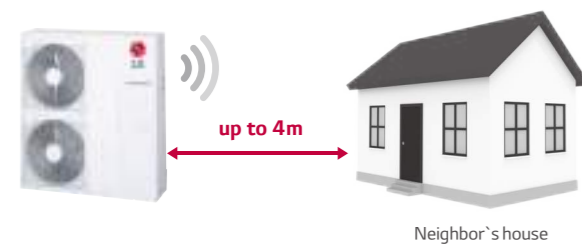
Sound Pressure Comparison

Therma V Monobloc Silent generates a sound pressure level lower than a library.



Installation Flexibility

Therma V Monobloc Silent can be installed up to 4m (in Low noise mode) from neighboring houses while complying with noise regulations.



Noise Regulation	Germany (TA Lärm)		Austria (ÖNORM S 5021)	
	Day (06-22)	50dB(A)	Day (06-19)	45dB(A)
In residential area (Rest area)	Night (22-06)	35dB(A)	Evening (19-22)	40dB(A)
			Night (22-06)	35dB(A)



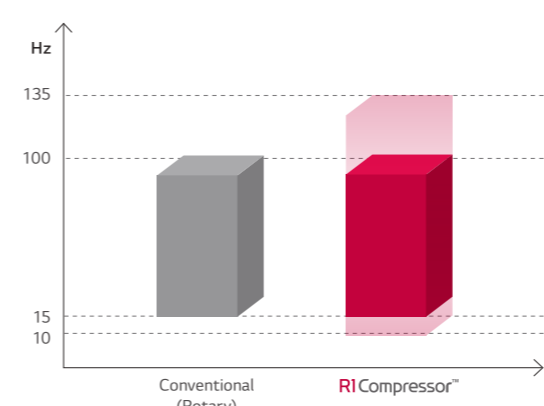
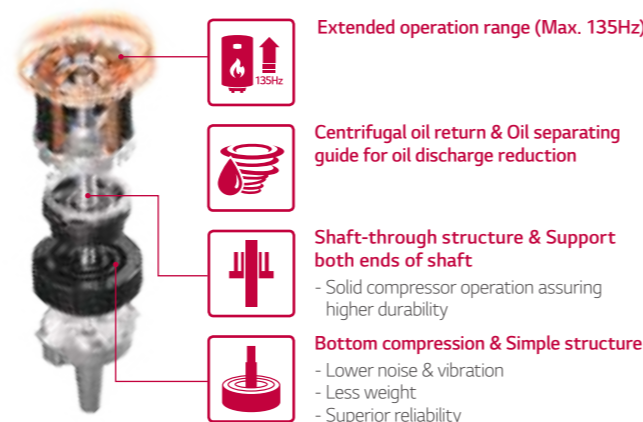
COMPLIANT WITH THE NEW, ECO-CONSCIOUS R32 REFRIGERANT

Make your home more eco-conscious with R32, a new refrigerant that's more efficient and boasts a 68% reduced Global Warming Potential (GWP) than the alternative.



RI Compressor™ LG'S REVOLUTIONARY TECHNOLOGY

RI Compressor™ is more stable and simple compressing structure with low-vibration characteristics.



STYLISH REMOTE CONTROL

User-Friendly Interface

- Simple information display
- Easy-to-use navigation

Easy-to-Read Energy Information

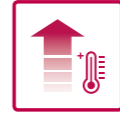
- Instant view of power consumption against target
- Power and energy consumption data weekly, monthly or annually

Premium Design

- New modern 4.3 inch color LCD display
- Simple touch buttons (On/Off and more)

Convenient Functions

- Programmable settings to optimize use
- Customize your unit's On/Off schedule, operation mode, target temperature and more
- Easy installation setting



LG's R32 AIR TO WATER HEAT PUMP

Aims to be the Best Heating Solution

Provides space heating and domestic hot water supply throughout your home all year long.



ECO-CONSCIOUS
R32 refrigerant reduces the global warming potential of existing refrigerant by one-third.



POWERFUL
The revolutionary R1 Compressor for powerful heating performance with less energy.



SMART
Keep warm day and night with LG's Wi-Fi solution, LG ThinQ®.

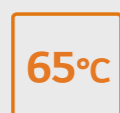
8 KEY ADVANTAGES



Provide installation flexibility by offering low sound level. 32dB(A) SPL at 5m, Low noise mode.



Achieves excellent performance, especially at low ambient temperatures under -7°C.



Provides a sufficient level of heating by supplying hot water up to 65°C.



Promotes green living through R32 refrigerant's low global warming potential.



Optimizes efficiency with LG's cutting-edge R1 Compressor technology.



Adheres to EU regulations with energy rating of A+++.



Provides smart living solutions with Wi-Fi connectivity via LG ThinQ.

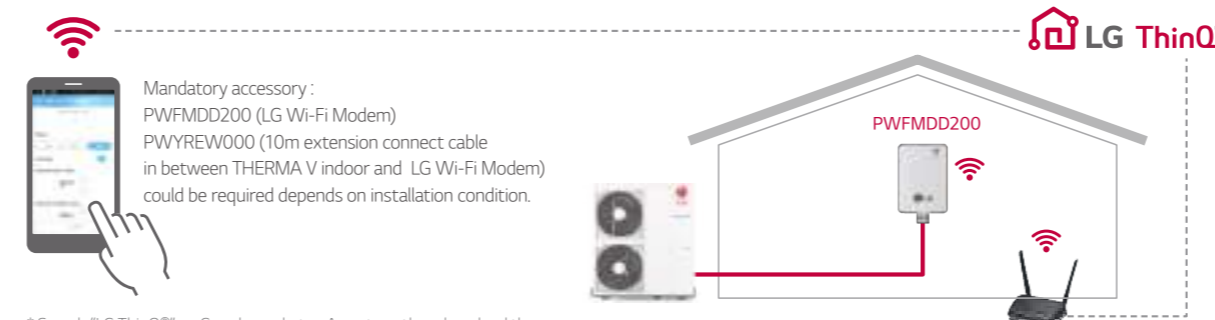


Offers a user-friendly and intuitive interface via a new, stylish remote control.



LG ThinQ®

Thanks to a LG Wi-Fi Modem and LG's smartphone app, LG ThinQ®, users can monitor and remotely control compatible LG products and access the vast majority of functions available on the THERMA V controller. Via the app, it's simple to set the perfect temperature from any location and return to a blissfully warm indoor environment.



* Search "LG ThinQ®" on Google market or App store, then download the app.