LG AIR TO WATER HEAT PUMP SOLUTION OVERVIEW

		Mond	obloc	Hydr	osplit		
		-	-	Hydro Box (Wall hung)	IWT (Integrated Water Tank)		
		R32 Monobloc S	R32 Monobloc	R32 Hydrosplit Hydro Box	R32 Hydrosplit IWT		
		1Ø : 5/7/9/12/14/16 kW 3Ø : 12/14/16 kW	1Ø : 5/7/9/12/14/16 kW 3Ø : 12/14/16 kW	1Ø : 12/14/16 kW 3Ø : 12/14/16 kW	1Ø : 12/14/16 kW 3Ø : 12/14/16 kW		
Line-up		0 - 0	0 0	. 0	0		
Application		Heating, Cool	ing and DHW	Heating, Cooling and DHW	Heating, Cooling and DHW		
Energy Label		35°C A*** Space Heating 55°C A***	35°C A*** 55°C A*** 55°C A* 1) A* 5/7/9 kW A DHW Heating 2) A* 5/7/9 kW	35°C A*** Space Heating 55°C A***	Space Heating Space Heating Profile L A A A		
Operation	Outdoor Air	-25 ~ 35°C	-25 ~ 35°C	-25 ~ 35℃	-25 ~ 35°C		
Range (heating)	Leaving Water	15 ~ 65°C	15 ~ 65°C	15 ~ 65°C	15 ~ 65°C		
		- Don't want refrigerant pipin - Using existing facilities (Con					
Customer	Designer & Installer	- Using existing facilities (Conventional boiler) - Saving installation and commissioning time (All-in-one & No ref. piping work) - No indoor unit (No space for IDU)		- Saving installation and commissioning time (No ref. piping work)	- Saving installation and commissioning time (All-in-one & No ref. piping work) - Where mechanical room is very limited - Saving installation space for buffer tank and expansion tank		
Needs	End-User	- Don't want to take the pote - Easy and intuitive controls - Reliable operation and long l		- Low operation cost - Quiet operation - Remote control by smartphone - Control integration between boiler and THERMA V			
	Liid-Osei				Necessity to install indoor unit in living space due to Insufficient machine room space		
		- No refrigerant piping work - New interface (standard III F - Interlocking operation with	Remote controller) -	High energy efficiency - Low noise mode operation with schedule setting - LG ThinQ Wi-Fi Control solution - High corrosion resistance heat exchanger - Easy commissioning by PC tool (LG heating configurator)			
LG Approach		- All in one concept -		- Hydrosplit concept	- All in one concept (Integrated DHW tank with indoor unit) - Hydrosplit concept - Sophisticated and harmonious exterior of indoor unit - Provides an option to integrate buffer tank and DHW expansion tank into indoor units		
		- Economic support by incenti	newable energy and high effici	- Hybrid operation with existing facilities			
Benefit		- Saving mechanical room spa	ce		- Use of valuable machine room space for private purpose		

			Water Heater			
Hydro Box	(Wall hung)	Split IWT (Integrated Water Tank)	Floor standing	Water Heater		
			P S			
R32 Split Hydro Box	R410A Split Hydro Box	R32 Split IWT	High Temperature	LG Inverter Heat Pump Water Heater		
1Ø:5/7/9 kW	1Ø : 12/14/16 kW 3Ø : 12/14/16 kW	1Ø : 5/7/9 kW	1Ø:16 kW	1Ø: 200 / 270L		
		0	0			
Heating, Coo	ling and DHW	Heating, Cooling and DHW	Heating and DHW	DHW		
Space Heating 35°C A*** 55°C A***	Space Heating 35°C A··· 55°C A···	Space Heating Space Heating Space Heating Space Heating Space Heating Space Heating Profile L A*	35°C A* Space Heating 55°C A*	200L 270L Profile L Profile L DHW Heating		
-25 ~ 35°C	-25 ~ 35°C	-25 ~ 35°C	-25 ~ 35°C	-5 ~ 48°C		
15 ~ 65°C	15 ~ 57°C	15 ~ 65°C	25 ~ 80°C	35 ~ 65°C		
- Eliminating the potential freezing	ng risk at exposed water piping			- Using less installation space in the machine room and storage room		
- Using existing facilities (Conven	tional boiler)	- Saving installation and commissioning time (All-in-one) - Where mechanical room is very limited - Saving installation space for buffer tank and expansion tank - Using existing facilities (Conventional boiler)	Solution for poorly insulated or old house High DHW temperature to meet sanitary water regulation	Short installation time Convenience to check the operation Convenient maintenance		
- Don't want to take the potentia - Quiet operation - Remote control by smartphone	l freezing risk at exposed water pip	ing - Low operation cost - Easy and intuitive contro - Reliable operation and lo		- Low operation cost - Sufficient warm water - Quite operation - Easy control		
- Control integration between bo	iler and THERMA V	Necessity to install indoor unit in living space due to Insufficient machine room space Control integration between boiler and THERMA V	- Using existing facilities (Old radiators)			
- High energy efficiency - New interface (standard III Rem - High corrosion resistance heat o	ote controller) - LG Thin	ise mode operation with schedule setting Q Wi-Fi Control solution mmissioning by PC tool (LG heating configurat	tor)	- Stylish design - Top class energy efficiency - Powerful heating performance - Low noise operation - Smart control		
Placing hydronic components in water piping in the mechanical r - Interlocking operation with 3rd	room	All in one concept (Integrated DHW tank with indoor unit) Sophisticated and harmonious exterior of indoor unit Provides an option to integrate buffer tank and DHW expansion tank into indoor units Interlocking operation with 3rd party boiler	- Max. 80°C LWT by Cascade 2 stage compression (R410A - R134a) - Suitable for old radiator			
Energy saving by utilizing renewQuick & easy installation and co	- Free of potential freezing risk against exposed water piping even long black out - Energy saving by utilizing renewable energy and high efficient equipment - Quick & easy installation and commissioning - Economic support by incentive program					
- Multiple solution (heating, cooli - Hybrid operation with existing f		Multiple solution (heating, cooling and DHW supply) Hybrid operation with existing facilities Use of valuable machine room space for private purpose	Multiple solution (heating and DHW supply) Obtaining 80°C high LWT without supplementary heater Simple replacement of existing boiler	- Quick and easy installation - Easy check and monitoring - LG compressor with 10 years warranty		

LINE-UP OVERVIEW

Refrigerant	Ту	/pe	Line-up	Unit	Power Supply 1)	Appearance	5 kW	7 kW
			R32 Monobloc S	Set	1Ø / 230V	0	HM051MR U44	HM071MR U44
	Mon	obloc	P.38	Set	3Ø / 400V			
	IVION	ODIOC	R32 Monobloc	Set	1Ø / 230V		HM051M U43	HM071M U43
			P.54	Set	3Ø / 400V			
				Outdoor	1Ø / 230V			
		Hydro Box	R32 Hydrosplit Hydro Box	Unit	3Ø / 400V			
	Hydro		P.70	Indoor Unit	Common			
R32	split			Outdoor	1Ø / 230V			
		IWT	R32 Hydrosplit IWT	Unit	3Ø / 400V			
			P.80	Indoor Unit	Common			
		Hydro Box	R32 Split Hydro Box P.90	Outdoor Unit	1Ø / 230V	0	HU051MR U44	HU071MR U44
				Indoor Unit	10/2300		HN091MR NK5	
		DAZ	R32 Split IWT P.98	Outdoor Unit	10/2201	0	HU051MR U44	HU071MR U44
		IWT		Indoor Unit	1Ø / 230V	2 MA 72	HN0916T NB1	
	C 11:			Outdoor Unit	40,12201			
D4404	Split	Hydro	R410A Split	Indoor Unit	1Ø / 230V			
R410A		Box	P.108	Outdoor Unit	20 / 100			
				Indoor Unit	3Ø / 400V			
R410A +		Floor		Outdoor Unit				
R134a		standing		Indoor Unit	1Ø / 230V			

¹⁾ The power supply is shown based on the outdoor unit.

Refrigerant	Туре	Power Supply	Appearance	200 L	270 L
K134a	Inverter Heat Pump Water Heater	1Ø / 230V		WH20S F5	
	P.126	10 / 230V			WH27S F5

^{*} Production of this product could be discontinued without prior notice considering manufacturer's circumstances.

9 kW	Appearance	12 kW	14 kW	16 kW			
HM091MR U44	0 -	HM121MR U34	HM141MR U34	HM161MR U34			
	0	HM123MR U34	HM143MR U34	HM163MR U34			
HM091M U43	0 -	HM121M U33	HM141M U33	HM161M U33			
	0	HM123M U33	HM143M U33	HM163M U33			
	0	HU121MRB U30	HU141MRB U30	HU161MRB U30			
	Q	HU123MRB U30	HU143MRB U30	HU163MRB U30			
	Ē		HN1600MC NK1				
	0.	HU121MRB U30	HU141MRB U30	HU161MRB U30			
	Q	HU123MRB U30	HU143MRB U30	HU163MRB U30			
		HN1616Y NB1					
HU091MR U44							
HN091MR NK5							
HU091MR U44							
HN0916T NB1							
	0	HU121MA U33	HU141MA U33	HU161MA U33			
			HN1616M NK5				
	0	HU123MA U33	HU143MA U33	HU163MA U33			
			HN1636M NK5				
	0			HU161HA U33			
	<u></u>			HN1610H NK3			

LINE-UP INTRODUCTION



THERMA V R32 Monobloc S

The THERMA V R32 Monobloc S is the 2nd generation of LG's R32 Monobloc series. As implied by "silence" and "supreme," it boasts reduced noise level and best performance in the THERMA V Series. Combining the indoor and outdoor as one module, it's also connected by only water piping eliminating the need for refrigerant piping. Furthermore, hydronic components like the plate heat exchanger, expansion tank, water pump, flow sensor, pressure sensor, air vent valves, and safety valve are conveniently situated inside the unit. The R32 Monobloc S provides excellent heating performance, especially at low ambient temperature while lowering its carbon emissions with R32.

Line-up	Capacity (kW)	5.5	7.0	9.0	12.0	14.0	16.0
R32 Monobloc S	1Ø 230V	•	•	•	•	•	•
	3Ø 400V				•	•	•



THERMA V R32 Monobloc

The LG THERMA V R32 Monobloc is a fully packaged unit, where the indoor and outdoor units are combined as one module. The outdoor Monobloc unit is connected to only water piping, therefore there is no need for refrigerant piping. Hydronic components such as the plate heat exchanger, expansion tank and water pump are situated inside the outdoor unit.

The Monobloc is designed for energy efficiency, convenience, and easy-to-use controls. Operating with low Global Warming Potential (GWP) R32 refrigerant and LG's exclusive R1 compressor, power meets sustainable heating. The system has an optional Wi-Fi modem and with LG's smartphone app, LG ThinQ, users can monitor and remotely control compatible LG products.

Line-up	Capacity (kW)	5.5	7.0	9.0	12.0	14.0	16.0
R32 Monobloc	1Ø 230V	•	•	•	•	•	•
	3Ø 400V				•	•	•



THERMA V R32 Hydrosplit Hydro Box

The LG THERMA V Hydrosplit series separates the Indoor unit (IDU) and outdoor unit (ODU), connecting them via water pipes. The unit's heat exchanger is located within the ODU, reducing the risk of indoor refrigerant leakage.

THERMA V R32 Hydrosplit Hydro Box is a solution providing space heating, cooling and DHW supply with high installation flexibility thanks to the characteristic of being a wall mounted type. Since the indoor unit is installed on the wall rather than on the floor, space in the machine room is not wasted, and the light weight enables quick installation. Also, it has good maintainability because the indoor unit is located in the machine room.

Line-up	Capacity (kW)	5.5	7.0	9.0	12.0	14.0	16.0
R32 Hydrosplit Hydro Box	1Ø 230V				•	•	•
	3Ø 400V				•	•	•

^{*} The power supply is shown based on the outdoor unit.



THERMA V R32 Hydrosplit IWT

The LG THERMA V Hydrosplit series separates the Indoor unit (IDU) and outdoor unit (ODU), connecting them via water pipes.

The unit's heat exchanger is located within the ODU, reducing the risk of indoor refrigerant leakage.

THERMA V R32 Hydrosplit IWT combines an indoor unit, a water tank and complex piping into a single, space-saving solution that is able to provide space heating, cooling and DHW supply. Relatively compact and lightweight, the innovative all-in-one is easy to install and operate, and boasts the outstanding reliability and efficiency. Since there is no need to install a separate domestic hot water tank for hot water supply, space in the machine room is not wasted, and the concept with all-in-one enables quick installation.

Line-up	Capacity (kW)	5.5	7.0	9.0	12.0	14.0	16.0
R32 Hydrosplit IWT	1Ø 230V				•	•	•
	3Ø 400V				•	•	•

^{*} The power supply is shown based on the outdoor unit.

LINE-UP INTRODUCTION



THERMA V R32 Split Hydro Box

The LG THERMA V R32 Split Hydro Box is a hydro box type system consisting of an indoor hydro box unit and an outdoor unit. The two units are connected by refrigerant piping only,

thus hydronic components such as plate heat exchanger, expansion tank and water pump are located within the indoor unit. Due to the split nature, freezing will not compromise this unit regardless of outdoor ambient temperatures. The Split has been designed specifically for new build and renovated houses. LG's highly efficient products can deliver effective space heating and hot water supply while operating with low Global Warming Potential (GWP) R32 refrigerant and LG's exclusive R1 compressor. The system has an optional Wi-Fi modem and with LG's smartphone app, LG ThinQ, users can monitor and remotely control compatible LG products.

Line-up	Capacity (kW)	5.5	7.0	9.0	12.0	14.0	16.0
R32 Split Hydro Box	1Ø 230V	•	•	•			
Hydro Box	3Ø 400V						

^{*} The power supply is shown based on the outdoor unit.



THERMA V R32 Split IWT

The LG THERMA V R32 Split IWT is a domestic hot water supply, space heating and cooling solution that conveniently combines an indoor hot water tank with a separate outdoor unit.

THERMA V R32 Split IWT is the perfect space-saving solution for residential applications because hydronic components like the Domestic Hot Water (DHW) and buffer tanks, which are typically installed separately, are fully integrated. Also, freezing will not compromise this unit regardless of outdoor ambient temperatures due to the split nature.

Line-up	Capacity (kW)	5.5	7.0	9.0	12.0	14.0	16.0
R32 Split	1Ø 230V	•	•	•			
IWT	3Ø 400V						

^{*} The power supply is shown based on the outdoor unit.



THERMA V R410A Split Hydro Box

The LG THERMA V R410A Split Hydro Box is a hydro box type system consisting of an indoor hydro box unit and an outdoor unit. The two units are connected by refrigerant piping only, thus hydronic components such as the plate heat exchanger, expansion tank and water pump are located within the indoor unit. Due to the split nature, freezing will not compromise this unit regardless of outdoor ambient temperatures.

LG's THERMA V R410A Split Hydro Box is designed for the benefit of users and installers who want to apply a heating solution to a large capacity building or applications subject to colder climate conditions. It has a maximized energy efficiency of A++ in the mid-temperature ranges, which leads reduced operating costs.

Line-up	Capacity (kW)	5.5	7.0	9.0	12.0	14.0	16.0
R410A Split Hydro Box	1Ø 230V				•	•	•
	3Ø 400V				•	•	•

^{*} The power supply is shown based on the outdoor unit.



THERMA V High Temperature

The LG THERMA V High Temperature is a split type that consists of a floor standing indoor unit and an outdoor unit. Thanks to cascade (2 stage) compression technology, it can supply high leaving water temperature up to 80°C with high energy efficiency.

Since THERMA V High Temperature is solely able to produce and supply the high temperature water without electric heater, is suitable for houses which have poor insulation, older features or have to meet sanitary water regulations, which requires a higher water temperature.

Line-up	Capacity (kW)	5.5	7.0	9.0	12.0	14.0	16.0
High Temperature	1Ø 230V						•
Temperature	3Ø 400V						

^{*} The power supply is shown based on the outdoor unit.

LINE-UP INTRODUCTION



Flexible Installation Locations









Laundry Room Storage Room Bathroom

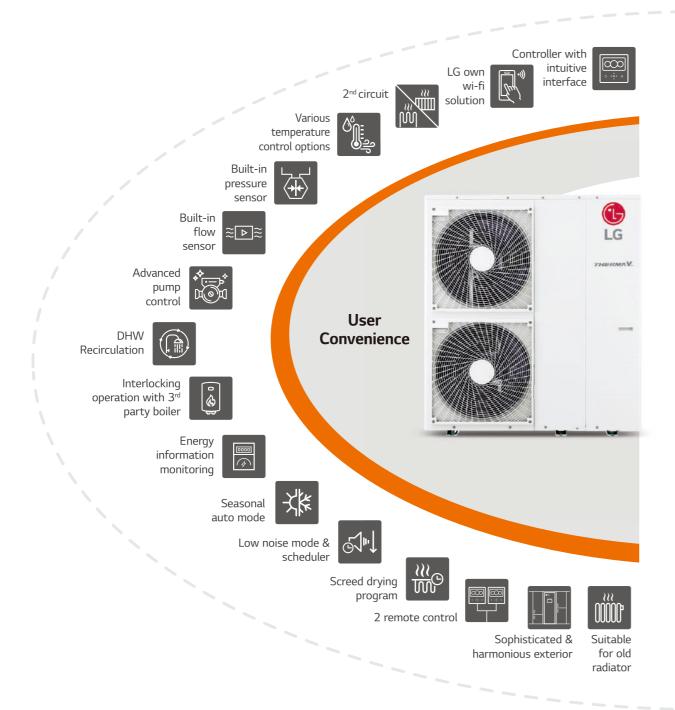




FEATURE OVERVIEW

LG THERMA V's Unique Features

LG THERMA V has been designed for providing efficient space heating and domestic hot water heating with usage convenience to the customer. To achieve this ultimate goal, LG has been developed and applied core technologies and functions for heating to the LG THERMA V.



User Convenience

LG THERMA V is equipped with various user convenience functions, which allow for enhanced comfort and control. The text-based user-friendly interface on the remote control allows for optimized user intuition and the unit's wide connectivity also provide user control convenience.

Excellent Performance & Efficiency

LG THERMA V provides world-class energy efficiency by adopting LG's revolutionary technology such as the R1 compressor and the Black Fin heat exchanger. LG products have achieved a high heating performance even in extremely cold weather conditions and LG THERMA V can bring customers peace of mind through product reliability.

Easy Installation & Maintenance

LG THERMA V offers installation and design flexibility to professional installers. The LG Heating Configurator also allows professionals to save time during commissioning. During maintenance, the clip type connection allows fast and easy disassembly of the components.



THERMAV

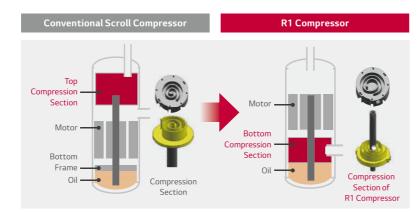
EXCELLENT PERFORMANCE & EFFICIENCY



R1Compressor™ LG's Revolutionary Technology

RI Compressor "technology offers advanced efficiency, reliability and operational range due in part to the enhanced tilting motion of the scroll.

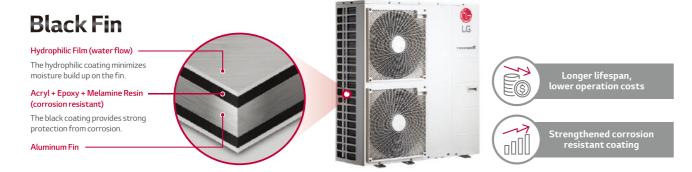






Black Fin Heat Exchanger

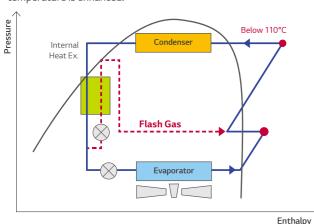
The THERMA V line-up includes a heat exchanger enhanced by black coating with enhanced epoxy resin for strong protection. This improvement in durability prolongs the product's lifespan and lowers both the operational and maintenance costs.





Flash Gas Injection

With the LG THERMA V R32 series, flash gas injection technology is applied to control the discharge temperature of the compressor efficiently. As a result of this technology, the heating operation range is expanded and the heating performance at low ambient temperature is enhanced.





Direct Modbus Communication

Therma V can be connected and controlled by 3rd party control system using Modbus protocol directly, without Modbus RTU





| Eco-Conscious with R32 Refrigerant

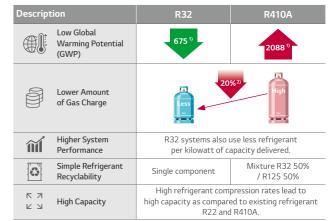
Background

Due to accelerated global warming and the destruction of the ozone layer, various international conventions and meetings are held to enhance restrictions to the use of refrigerant or enforce the us of eco-conscious refrigerant R32 is internationally acclaimed for being eco-friendly. This low volume refrigerant is as efficient as any conventional refrigerant but boasts a 68% reduced global warming



Comparison & Benefit

R32 efficiently works even in small volume compared to existing R410A refrigerant, which decreases the potential hazard of global warming. Furthermore, R32 refrigerant is easy to recycle thanks to its single composition.

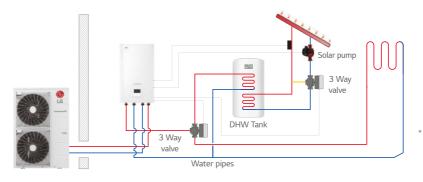


- 1) Source: Global Warming Potential Values (2007, AR4)
- 2) This ratio is general for helping understanding, It may differ depending on the



Combination with Solar Thermal System

By combining the solar system with Therma V, the efficiency of DHW heating operation can be maximized.



* Applied model: Solar Thermal Kit (PHLLA) is required for R32 Monobloc and PT-1000 type temp. sensor (field supply) is required for R32 Monobloc S, R32 Hydrosplit Hydro Box,



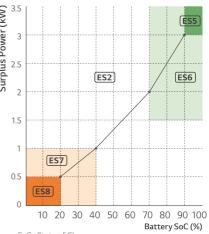
Energy State

THERMA V is operated automatically according to the status signals received from power supply companies. This function can correspond to each country's specific tariff for heat pump application on smart grids.

	Description					
Energy	Signal Mode (Smart Grid)		Modbus Mode (ESS)			
States	Operation Mode	Power Supply Status	Operation Mode	Battery Charged Status	Operation	Surplus Power (kW)
ES1	Operation Off				Forced off to avoid peak load	IS Po
ES2	Normal		Normal		Normal operation	Surple
ES3*	On Recommend				Changed target temperature higher (heating: +2°C, DHW: +5°C)	01
ES4*	On Command				Changed target temperature higher (DHW: 80°C)	
ES5**			On Command (step2)		Changed target temperature higher (heating:+5°C, cooling:-5°C, DHW:+30°C)	
ES6**			On Recommend (step1)		Changed target temperature higher (heating:+2°C, cooling:-2°C, DHW:+10°C)	
ES7**			Energy Saving		Changed target temperature lower (heating: -2°C, cooling: +2°C)	
ES8**			Super Energy Saving		Changed target temperature lower (heating: -5°C, cooling: +5°C)	

- * Contact signal designated ES3 and ES4 can be changed to ES5 \sim ES8.
- ** Offset values of heating, cooling and DHW are changeable
- *** THERMA V can connect not only ESS but also 3rd party controller through Modbus, in that case, ES1 to ES8 are used.

[Area of energy state for ESS]



- SoC : State of ChargeSurplus Power (SP) = PV Power Load Power
- · Area of Energy State for ESS can be adjusted by ESS.

THERMA VIM

USER CONVENIENCE



LG ThinQ Seamless Connectivity

LG ThinQ allows users to monitor and control compatible LG products remotely, so they can set the temperature and regulate the use of their THERMA V anytime, anywhere. ThinQ technology also works with voice activation with Google Home.



Mandatory accessory: PWFMDD200 (LG Wi-Fi Modem) PWYREW000 (10m extension connect cable in between THERMA V and LG Wi-Fi Modem) could be required depends on installation condition.

- * Search "LG ThinQ" on Google playstore or App store, then download the app.
- Google home voice is supported in United Kingdom, France, Germany, Spain, Italy, Austria, Ireland, Portugal.



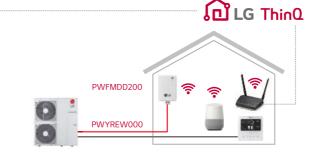
Intuitive Control

THERMA V is equipped with a new remote controller which supports various functions.





- Premium design (4.3 inch color LCD)
- User friendly interface (simple graphic, icon & text)
- Convenient functions (easy schedule setting & installer setting)
- Energy monitoring without meter interface (estimated power consumption)
- * Instant power consumption and cumulative power consumption



Seasonal Auto Mode

The operation mode and target temperature will be changed according to the outdoor temperature automatically. Moreover, this function can be conveniently set using visualized graphics.



Farget Temp.	Back @ Select		
Circuit1			
-30 -20 -10 0 10 2	Water Discharge Reference Temp. 10 30 40 50		



Various Temperature Control Options

Various temperature control options are possible for the user's comfort and convenience, to include the newly added simultaneous control option (room and water temperature).

- Option 1: Control based on leaving water temperature
- Option 2: Control based on entering water temperature
- Option 3: Control based on room air temperature
- Option 4: Control based on room air and water temperature simultaneously





Advanced Pump Control Options

Various pump operation options contribute to energy savings by providing optimum water pump control and reliable product operation.

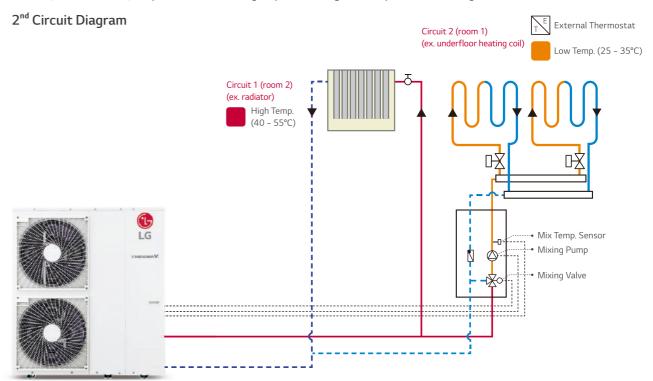


Options	Description	Water Flow Change as per load condition
Pump Capacity	It operates with the capacity set for the water pump. (range 10 ~ 100%)	No
Fixed Flow Rate	Automatically controlled to maintain the set flow rate. (5, 7, 9kW range: 8 ~ 26 LPM / 12, 14, 16kW range: 17 ~ 46 LPM)	No
Fixed ∆T*	Automatically controlled to maintain the set ∆T. (range 5 ~ 13°C)	Yes
Optimal Flow Rate (default)	ΔT is changed as per Target Temp.	Yes

*∆T = temperature difference between inlet and outlet water temperature.

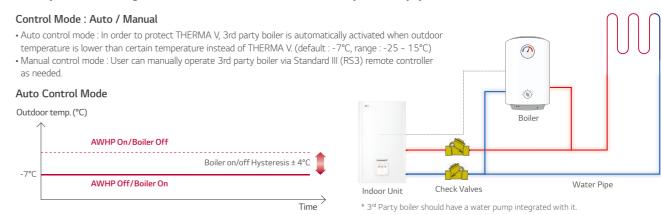


2 Zones (circuit 1/ circuit 2) temperature control through separate heating circuits is possible with mixing valve kit.



Interlocking Operation with 3rd Party Boiler

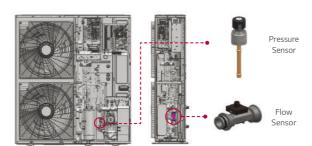
 3^{rd} Party boiler such as oil, gas or electric boiler can be activated automatically or manually by the THERMA V controller.





Water Circuit Monitoring

It is possible to monitor via remote controller not only temperature of water circuit but also flow rate and pressure. These information provides installers with more reliable information for easier installation and maintenance (periodic strainer cleaning).





More Info. Flow Rate | 40 LPM (L/min) Water Pressure | 1.6 bar

Available information on the screen

- The room temperature
- The water inlet / outlet temperature
- The water pump operation
- The water flow rate
- The water pressure - The solar heat temperature
- The outdoor temperature

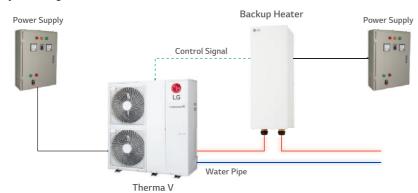
USER CONVENIENCE



Energy Monitoring

Without connection of Meter Interface, estimated power consumption for Therma V and backup heater can be monitored on the remote controller.

System Diagram



Installer setting menu

Energy Monitoring	©tex ∃∝	Electrical Heater Setting	Daniel Box
Energy Monitoring	Clea		
Electrical Heater Setting	9	Tion Co	DEC TO
		1610	lew
		~	

Monitoring view

- Instant power consumption
- Cumulative Power consumption

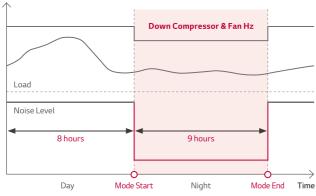
Instantaneous Power		Dank Mak	Year-on-year Usage	Black BO	
			Power	Calmin	
Target	10 kW	Viage Rate	2021.03	P • • • • • • • • • • • • • • • • • • •	
Current	35 AW	0	2019.05 Q k198	Year-on-year Gravita	
		= 0. =	2020.05 5 kWh	0%	



Low Noise Mode & Scheduler

Low noise mode operation can be activated by remote controller and set on a weekly on/off schedule to reduce the unit's noise level.

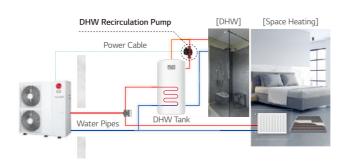
Capacity





DHW Recirculation Pump

The DHW recirculation pump can be connected to the Therma V and controlled according to the schedule function. DHW recirculation function helps maintain the hot water temperature inside the pipe even when hot water is not in use and prevents Legionella bacteria.

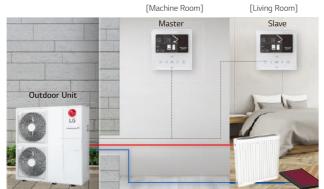




2 Remote Control

Enhanced convenience with an additional control installed in another residential area.

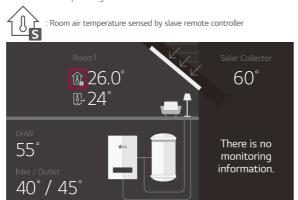
System Diagram



- * Master is for the installation setting
- * Slave is for user setting.

Standard III (RS3) Controller Interface

 \bullet THERMA V is operating based the room where slave controller is installed.



THERMA V.

EASY INSTALLATION & MAINTENANCE



LG Heating Configurator

Easy Installation Setting and Commissioning

- Based on installation site information, installers can prepare presetting with the LG heating configurator and save data into a memory card from the office.
- Once on site, installers can simply insert memory card into the back of the remote control to activate configuration data.

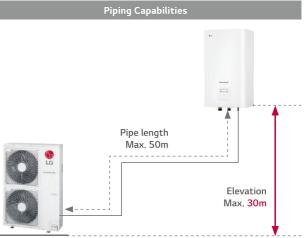


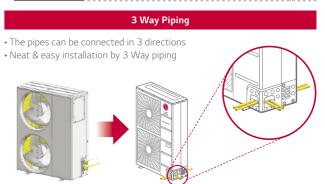




Flexible Refrigerant Piping Design

Long piping length and 3 Way piping enable flexible design and easy installation







Clip Type Connection for Easy Maintenance

 $As \ clip \ solution \ provides \ easy \ maintenance \ and \ SVC \ works, \ maintenance \ for following \ parts \ can \ be \ done \ by \ hands \ without \ special \ tool.$

