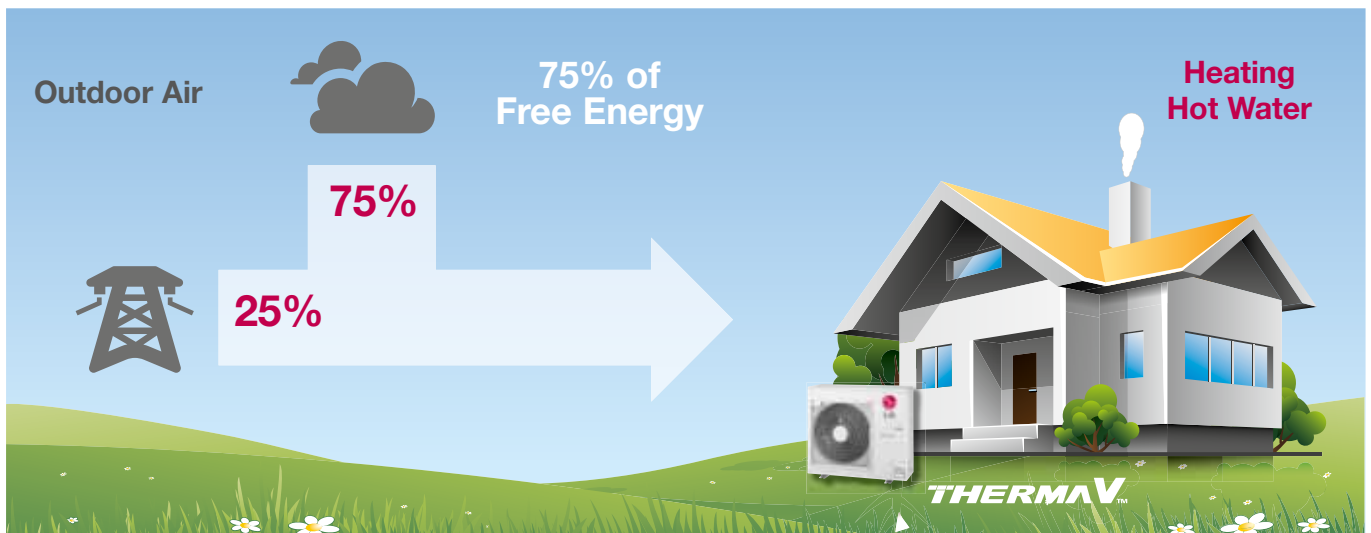


What is THERMA V™

THERMA V is the Most Efficient Heating Solution for Your House.

THERMA V offers the best solution for home heating and hot water supply with LG's inverter technology. It is 4 times more energy efficient than boiler system by absorbing energy from the outdoor environment.



Best Solution for New Housing & Renovation

THERMA V can be the best alternative to conventional boiler system for renovation houses or as a hybrid back-up solution to the boiler.

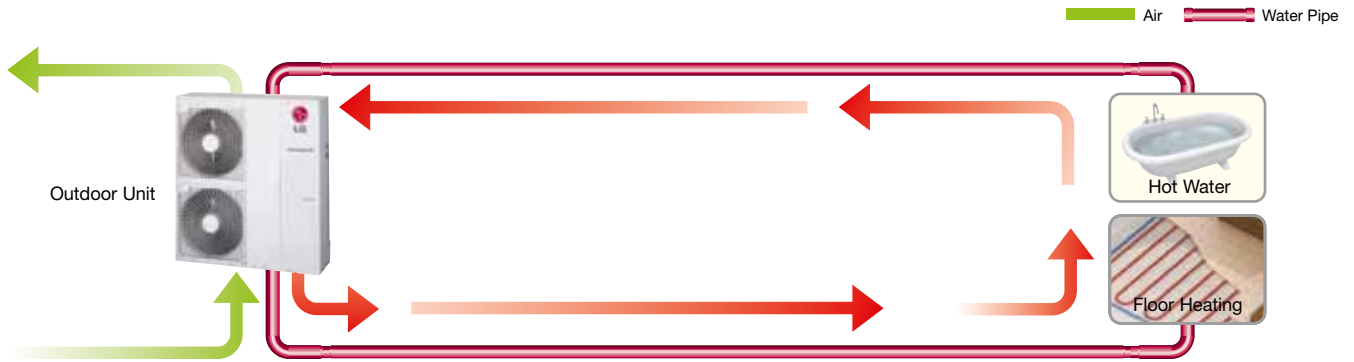
New Housing Type

Renovation Type



Various Type of THERMA V

Monobloc Type



- **All in one concept**

LG will provide fully packaged monobloc with 4 main component.(except 3kw monobloc) basically.
There is no needs for additional installation of other tool kit.

- **Easy access to water pump**

Installer can replace the water pump easily only open front door panel.



PHE

(Plate Heat Exchanger)

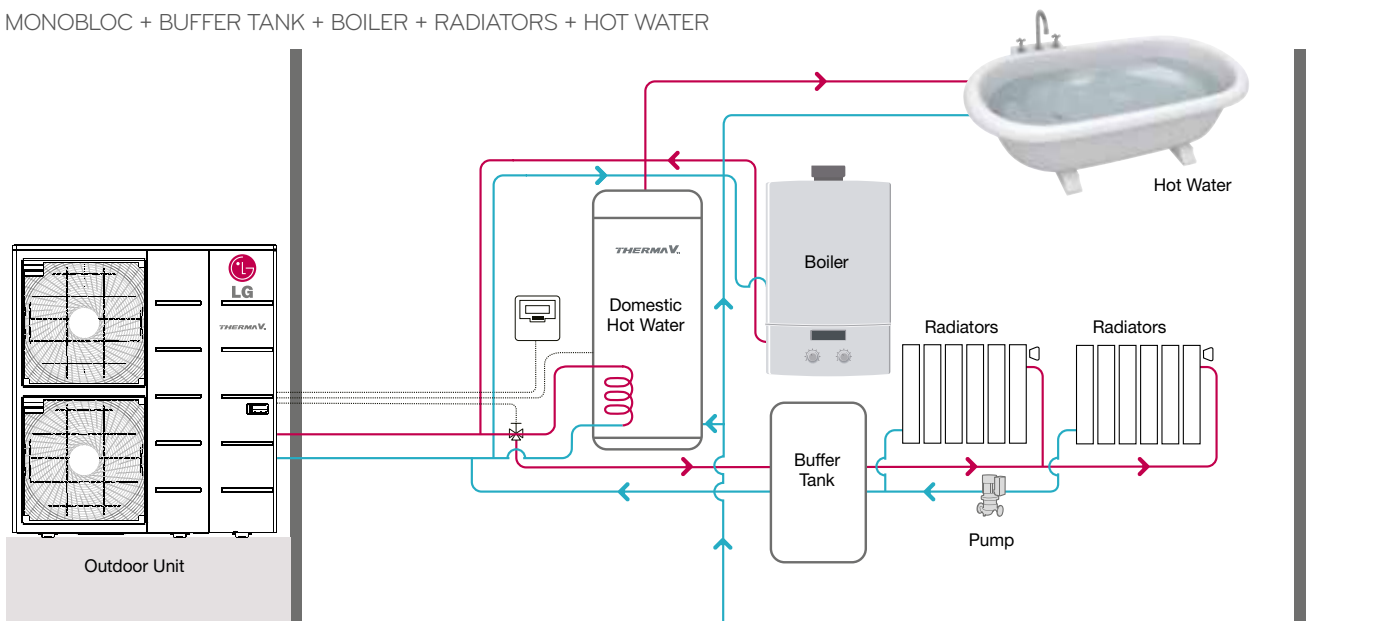
Inverter water pump

Electric Heater

Expansion Tank

- **Monobloc**

MONOBLOC + BUFFER TANK + BOILER + RADIATORS + HOT WATER



Monobloc Type (1ø 220V~240V)



Split		Condition	Unit	HM031M.U42	HM051M.U42	HM071M.U42	HM091M.U32
Power Supply			Ø/V/Hz	1 / 220-240 / 50	1 / 220-240 / 50	1 / 220-240 / 50	1 / 220-240 / 50
Dimensions	Unit(W x H x D)		mm	950 x 834 x 330	1239*907*390	1239*907*390	1239*907*390
Weight	Unit		kg	95	110	110	110
Capacity	Heating	A7/LWT35	kW	3.20	5.00	7.00	9.00
		A2/LWT35	kW	2.44	3.82	5.34	6.87
	Cooling	A35/LWT18	kW	3.00	5.00	7.00	9.00
Power Input	Heating	A7/LWT35	kW	0.73	1.14	1.63	2.20
		A2/LWT35	kW	0.72	1.13	1.61	2.07
	Cooling	A35/LWT18	kW	0.88	1.39	2.00	2.65
COP	Heating	A7/LWT35	W/W	4.38	4.40	4.30	4.09
		A2/LWT35	W/W	3.38	3.38	3.31	3.32
EER	Cooling		W/W	3.40	3.60	3.50	3.40
Sound Pressure Level	Heating		dB(A)±3	49	51	52	52
	Cooling		dB(A)±3	48	50	52	52
Operation Range (Min.~Max.) Outdoor Temperature	Heating		°C DB	-20~30	-20~30	-20~30	-20~30
	Cooling		°C	5~48	5~48	5~48	5~48
Operation Range (Min.~Max.) Leaving Water Temperature	Heating(Radiator)		°C	15~55	15~55	15~55	15~55
	Heating(Under floor)		°C	15~55	15~55	15~55	15~55
	Cooling(Fan coil unit)		°C	6~30	6~30	6~30	6~30
	Cooling(Under floor)		°C	16~30	16~30	16~30	16~30
Compressor	Type			Hermetic Motor	Hermetic Motor	Hermetic Motor	Hermetic Motor
Refrigerant	Type			R410A	R410A	R410A	R410A
	Charge			1,000(35.3)	1,400(46.4)	1,900(67.0)	1,900(67.0)
Heat Exchanger	Type		-	Blazed Plate HEX	Blazed Plate HEX	Blazed Plate HEX	Blazed Plate HEX
Pump	Type		-	Canned type	Canned type	Canned type	Canned type
	Steps of Speed		EA	2 (In Max. / Med. / Min. , Min. step is not used)			
Expansion Vessel	Volume		liter	-	8Liter	8Liter	8Liter
Electric Heater	Type		-	-	Sheath	Sheath	Sheath
	Number of Heating Coil		EA	-	2	2	2

*** The specification may be subject to change without prior notice for purpose of improvement



Split		Condition	Unit	HM121M.U32	HM141M.U32	HM161M.U32
Power Supply			Ø/V/Hz	1 / 220-240 / 50	1 / 220-240 / 50	1 / 220-240 / 50
Dimensions	Unit(W x H x D)		mm	1239*1450*390	1239*1450*390	1239*1450*390
Weight	Unit		kg	142	142	142
Capacity	Heating	A7/LWT35	kW	12.0	14.00	16.0
		A2/LWT35	kW	9.40	10.69	11.90
	Cooling	A35/LWT18	kW	14.50	15.50	16.10
Power Input	Heating	A7/LWT35	kW	2.67	3.15	3.81
		A2/LWT35	kW	2.80	3.22	3.62
	Cooling	A35/LWT18	kW	4.00	4.69	5.07
COP	Heating	A7/LWT35	W/W	4.49	4.44	4.20
		A2/LWT35	W/W	3.36	3.32	3.29
EER	Cooling		W/W	3.63	3.30	3.18
Sound Pressure Level	Heating		dB(A)±3	53	53	53
	Cooling		dB(A)±3	54	54	54
Operation Range (Min.~Max.) Outdoor Temperature	Heating		°C DB	-20 ~ 30	-20 ~ 30	-20 ~ 30
	Cooling		°C	5~48	5~48	5~48
Operation Range (Min.~Max.) Leaving Water Temperature	Heating(Radiator)		°C	15~55	15~55	15~55
	Heating(Under floor)		°C	15~55	15~55	15~55
	Cooling(Fan coil unit)		°C	6~30	6~30	6~30
	Cooling(Under floor)		°C	16~30	16~30	16~30
Compressor	Type			Hermetic Motor	Hermetic Motor	Hermetic Motor
Refrigerant	Type			R410A	R410A	R410A
	Charge			2,850(100.5)	2,850(100.5)	2,850(100.5)
Heat Exchanger	Type		-	Blazed Plate HEX	Blazed Plate HEX	Blazed Plate HEX
Pump	Type		-	Canned type	Canned type	Canned type
	Steps of Speed		EA	2 (In Max. / Med. / Min. , Min. step is not used)		
Expansion Vessel	Volume		liter	8Liter	8Liter	8Liter
Electric Heater	Type		-	Sheath	Sheath	Sheath
	Number of Heating Coil		EA	2	2	2

*** The specification may be subject to change without prior notice for purpose of improvement

Monobloc Type (3ø 380V~415V)



Split		Condition	Unit	HM123M.U32	HM143M.U32
Power Supply			Ø/V/Hz	3 / 380-415 / 50	3 / 380-415 / 50
Dimensions	Unit(W x H x D)		mm	1239*1450*390	1239*1450*390
Weight	Unit		kg	142	142
Capacity	Heating	A7/LWT35	kW	12.0	14.00
		A2/LWT35	kW	9.46	10.89
	Cooling	A35/LWT18	kW	14.50	15.50
Power Input	Heating	A7/LWT35	kW	2.67	3.15
		A2/LWT35	kW	2.83	3.28
	Cooling	A35/LWT18	kW	4.00	4.69
COP	Heating	A7/LWT35	W/W	4.49	4.44
		A2/LWT35	W/W	3.34	3.32
EER	Cooling		W/W	3.63	3.30
Sound Pressure Level	Heating		dB(A)±3	53	53
	Cooling		dB(A)±3	54	54
Operation Range (Min.~Max.) Outdoor Temperature	Heating		°C DB	-20 ~ 30	-20 ~ 30
	Cooling		°C	5~48	5~48
Operation Range (Min.~Max.) Leaving Water Temperature	Heating(Radiator)		°C	15~55	15~55
	Heating(Under floor)		°C	15~55	15~55
	Cooling(Fan coil unit)		°C	6~30	6~30
	Cooling(Under floor)		°C	16~30	16~30
Compressor	Type			Hermetic Motor	Hermetic Motor
Refrigerant	Type			R410A	R410A
	Charge			2,850(100.5)	2,850(100.5)
Heat Exchanger	Type		-	Blazed Plate HEX	Blazed Plate HEX
Pump	Type		-	Canned type	Canned type
	Steps of Speed		EA	2 (In Max. / Med. / Min. , Min. step is not used)	
Expansion Vessel	Volume		liter	8Liter	8Liter
Electric Heater	Type		-	Sheath	Sheath
	Number of Heating Coil		EA	2	2

*** The specification may be subject to change without prior notice for purpose of improvement



Split		Condition	Unit	HM163M.U32
Power Supply			Ø/V/Hz	3 / 380-415 / 50
Dimensions	Unit(W x H x D)		mm	1239*1450*390
Weight	Unit		kg	142
Capacity	Heating	A7/LWT35	kW	16.0
		A2/LWT35	kW	12.22
	Cooling	A35/LWT18	kW	16.10
Power Input	Heating	A7/LWT35	kW	3.81
		A2/LWT35	kW	3.82
	Cooling	A35/LWT18	kW	5.07
COP	Heating	A7/LWT35	W/W	4.20
		A2/LWT35	W/W	3.20
EER	Cooling		W/W	3.18
Sound Pressure Level	Heating		dB(A)±3	53
	Cooling		dB(A)±3	54
Operation Range (Min.~Max.) Outdoor Temperature	Heating		°C DB	-20 ~ 30
	Cooling		°C	5~48
Operation Range (Min.~Max.) Leaving Water Temperature	Heating(Radiator)		°C	15~55
	Heating(Under floor)		°C	15~55
	Cooling(Fan coil unit)		°C	6~30
	Cooling(Under floor)		°C	16~30
Compressor	Type			Hermetic Motor
Refrigerant	Type			R410A
	Charge			2,850(100.5)
Heat Exchanger	Type		-	Blazed Plate HEX
Pump	Type		-	Canned type
	Steps of Speed		EA	2 (In Max. / Med. / Min. , Min. step is not used)
Expansion Vessel	Volume		liter	8Liter
Electric Heater	Type		-	Sheath
	Number of Heating Coil		EA	2

*** The specification may be subject to change without prior notice for purpose of improvement