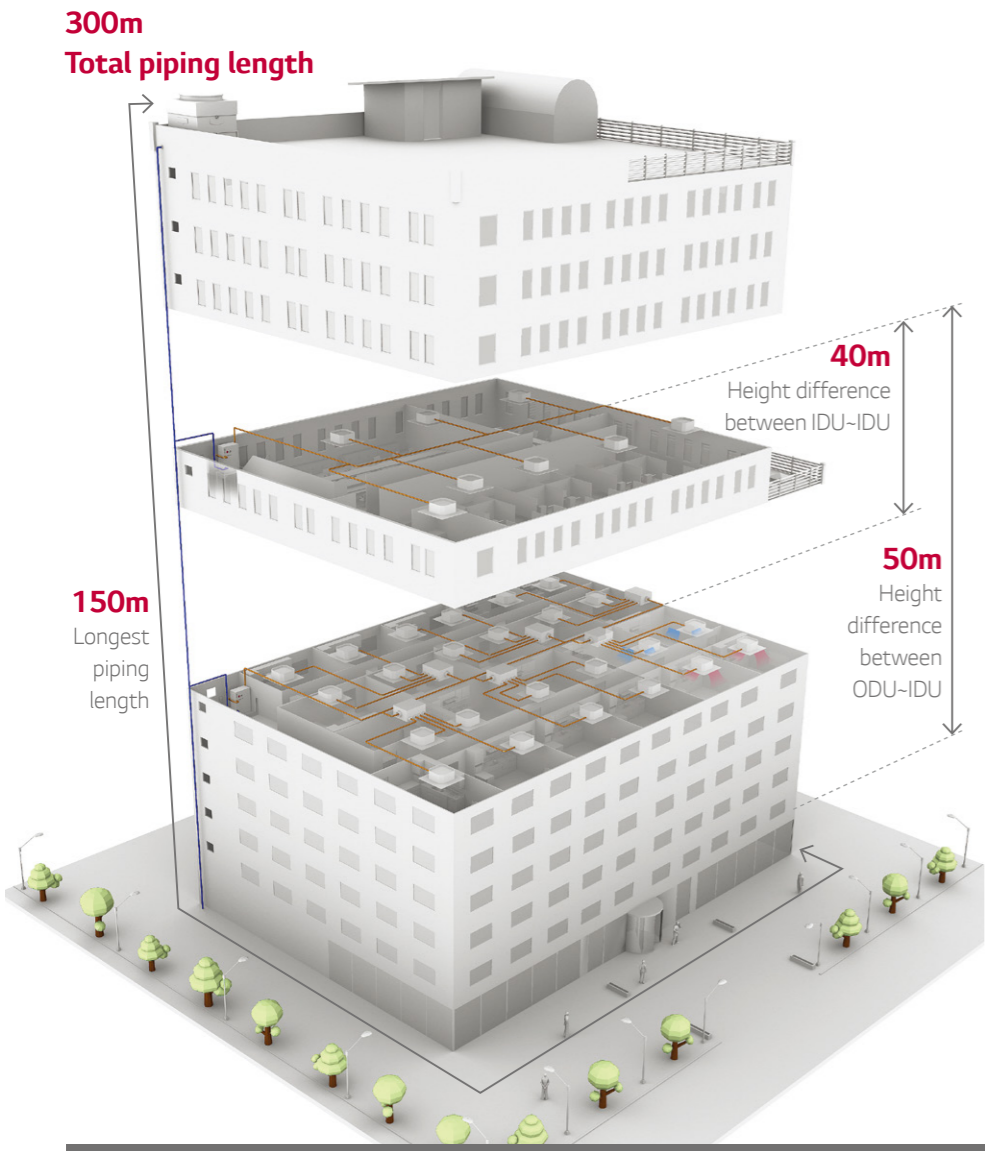
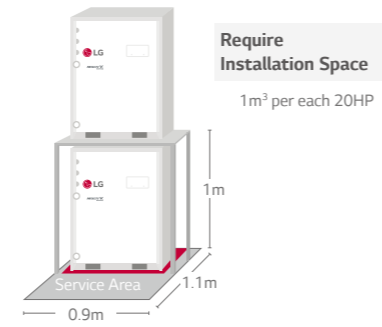


MULTI V WATER IV HEAT PUMP / HEAT RECOVERY

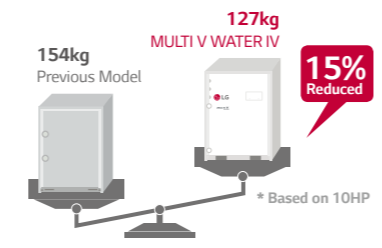


MULTI V WATER IV

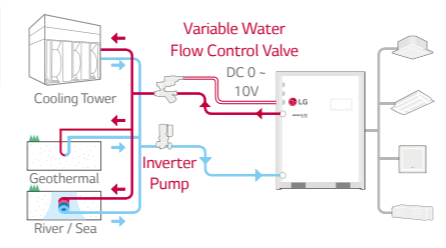
1. Compact Size



2. Light Weight



3. Variable Water Flow Control Kit



Benefit

- Saves valuable floor space
- Low noise level (no fans)
- Flexible design applications
- High efficient water source system

Application

- Large scale office
- Commercial building using geothermal / Water supply
- Luxurious residential building

Superior Efficiency via Integration of Smart Technologies

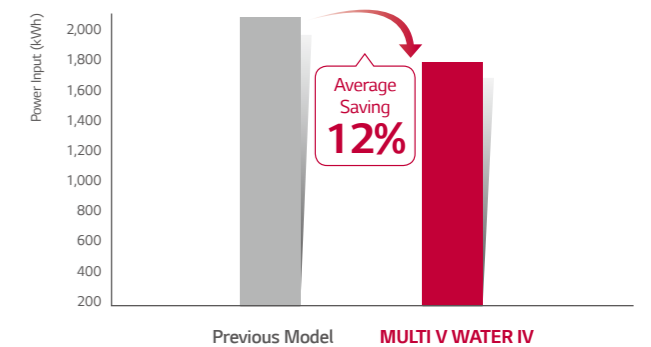
Today's businesses demand highly efficient temperature control solutions, capable of providing optimal energy savings without sacrificing performance. When it comes to cooling and heating a multi-storey or high-rise building, water cooled HVAC systems have become the solution of choice. Offering several performance enhancements and greater installation versatility, LG's MULTI V WATER IV combines intelligent functions with advanced inverter technology; boosting both energy efficiency and operational range.

Along with outstanding energy efficiency, the new solution comes with a range of truly smart features, including optimized cycle composition and smart control. For ease of installation and better economy of space, MULTI V WATER IV is both lighter in weight and smaller in overall size. LG, a leading innovator in HVAC technologies, will continue to develop and manufacture high performance, energy efficient solutions for the benefit of its growing global customer-base.

Economical, Highly Efficient System

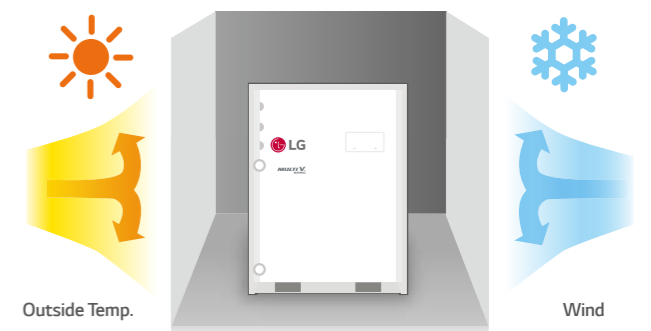
Adopting a water-based cooling method, this unit optimizes performance in comparison to compressor capacity. It also ensures heat exchange performance for high-rise buildings, thus allowing electrical-savings.

Source :
LG Energy Estimate Program (LEEP)
simulation data-5th floor building in Paris, France



High Efficiency System Regardless of External Conditions

Regardless of outdoor temperature and other environmental conditions, MULTI V WATER IV is the optimal solution for high-rise buildings.

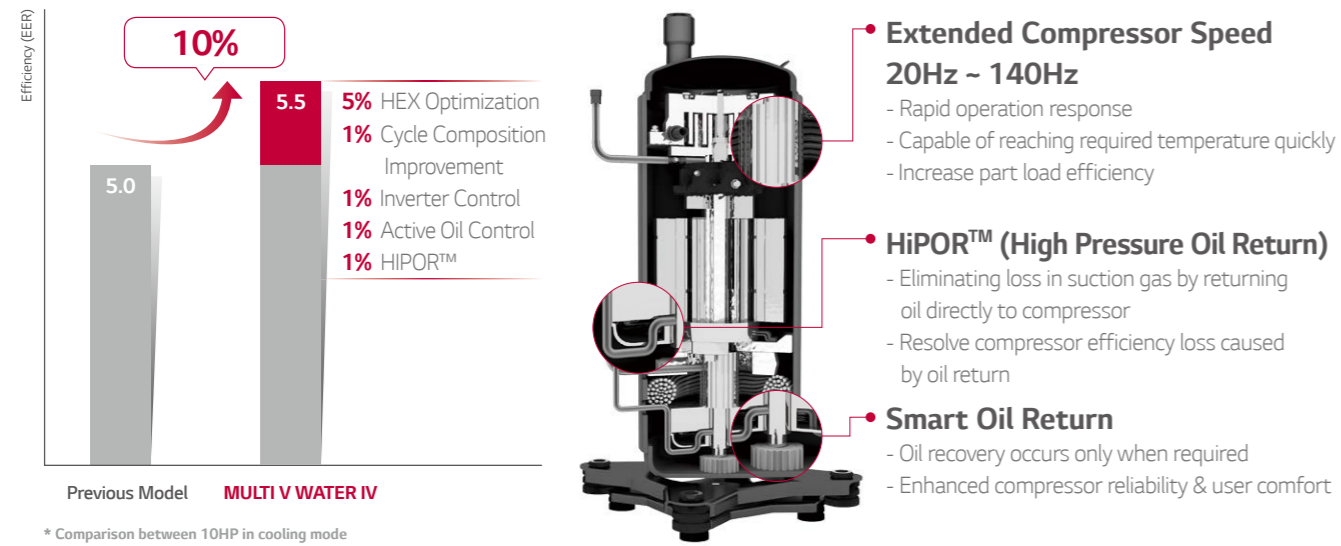


MULTI V WATER IV HEAT PUMP / HEAT RECOVERY

EFFICIENCY

LG's 4th Generation Inverter Compressor

With a fourth generation inverter compressor, the MULTI V WATER IV boasts top-class energy efficiency.

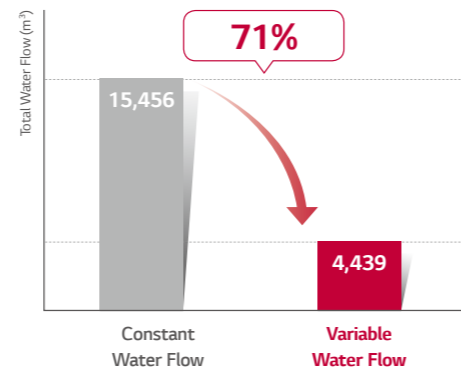
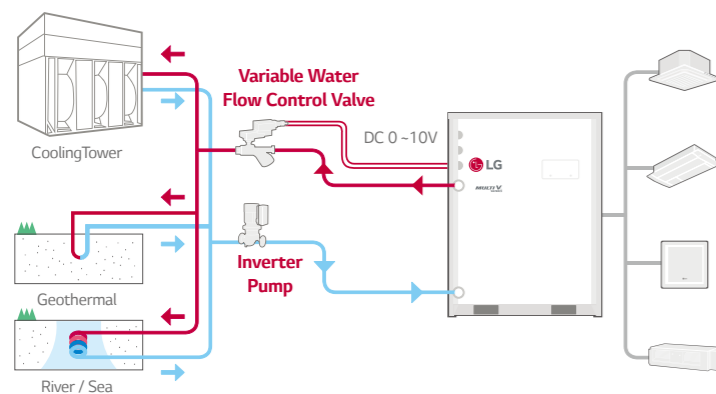


Variable Water Flow Control Kit (Option)

The world's first variable water flow control system for water cooled VRF system.

LG applied Variable Water Flow Control to optimise water flow control regarding partial cooling or heating load conditions. Because of this it's also possible to reduce circulation pump energy consumption.

- Adjust water flow by pressure control after connecting PCB in the existing MULTI V Water Outdoor unit



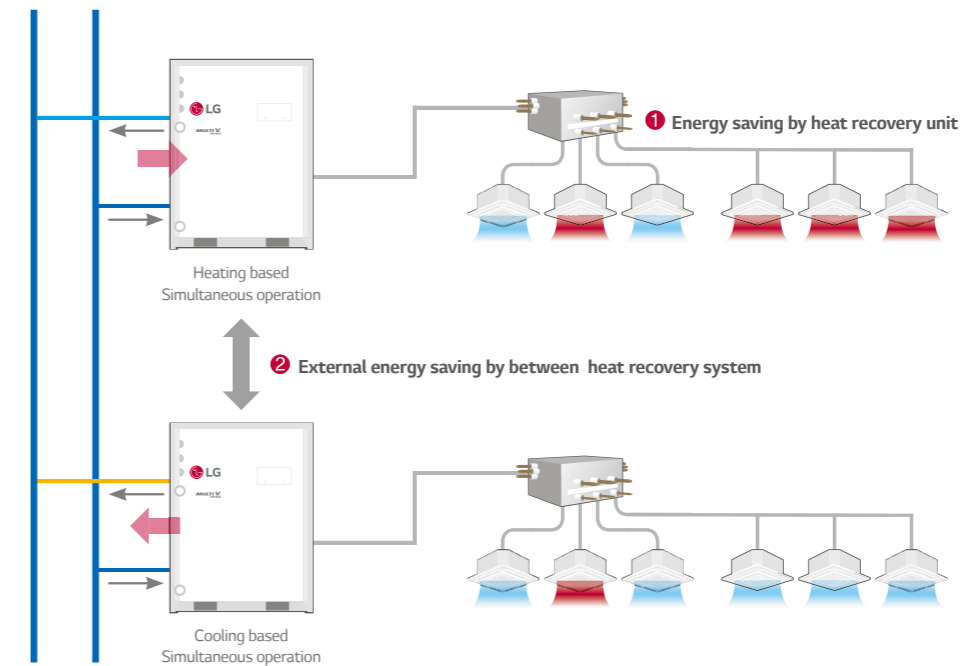
Note

1. Location : France
2. Total operation time : 1,344hr
3. Indoor temperature : Normal office environment
4. Outdoor temperature : Average summer temperature
5. Inlet flow temperature : Approximately 30°C

PERFORMANCE

Minimizing Energy Input

Through water sourced heat recovery system, minimizing not only outside unit power input but also external energy input such as cooling tower and boiler.



Largest Capacity

Providing 8 ~ 20HP with single unit, and up to the world's largest capacity 80HP by combination.

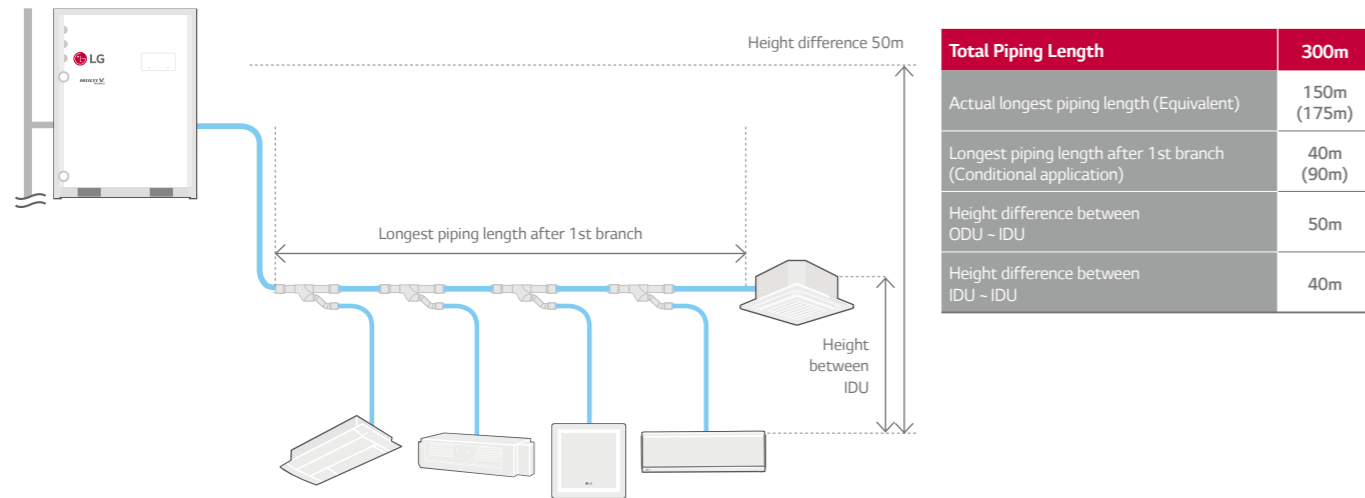
Line up (HP)	8	10	14	20	22	24	28	30	34	40	42 ~ 60	62 ~ 80
LG		1 Unit					2 Units				3 Units	4 Units
Company B	1 Unit	-	2 Unit	-		3 Unit		-	-		-	-
Company C	1 Unit	-		2 Unit		3 Unit			-		-	-

MULTI V WATER IV HEAT PUMP / HEAT RECOVERY

FLEXIBLE DESIGN

Longest Piping Length

Provide flexible installation up to 300m of total piping length.
As water pipes are not connected to indoor units, users are free from leakage problems.

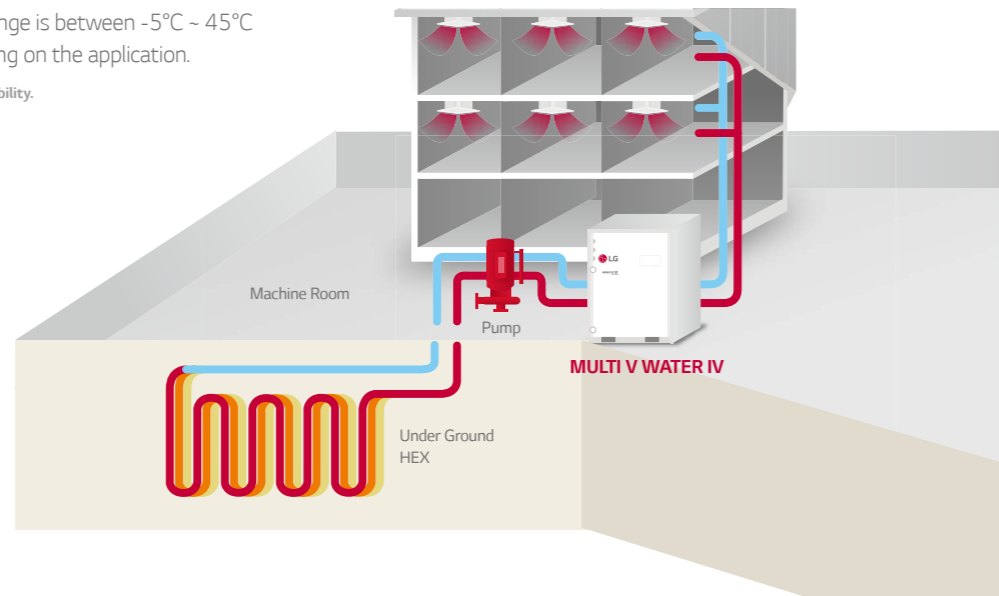


MULTI V WATER IV System for Geothermal Applications

Uses underground heat sources such as soil, ground water, lake, river, etc. as renewable energy for cooling and Heating of a building. Water or antifreeze solution is circulated through the closed loop HDPE (High Density Poly-Ethylene) pipes buried beneath the earth's surface. It is a highly efficient and eco-friendly MULTI V system.

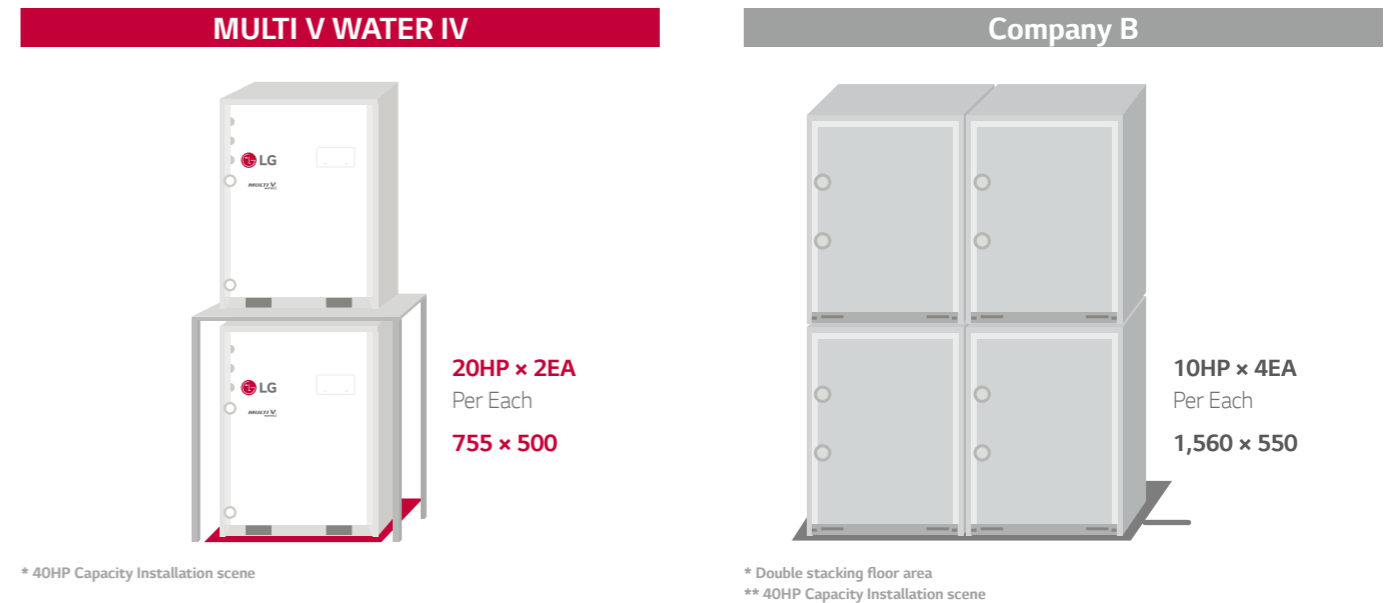
- The Circulating water temperature range is between -5°C ~ 45°C
- Antifreeze should be applied depending on the application.

* Please contact local LG office for application availability.



Compact Size

The optimal design of the compact, lightweight outdoor unit enables double stacking, which results in 50% savings in installation space.



Light Weight

Easier to transport and install thanks to 13% reduction in unit size and 15% reduction in overall weight.

