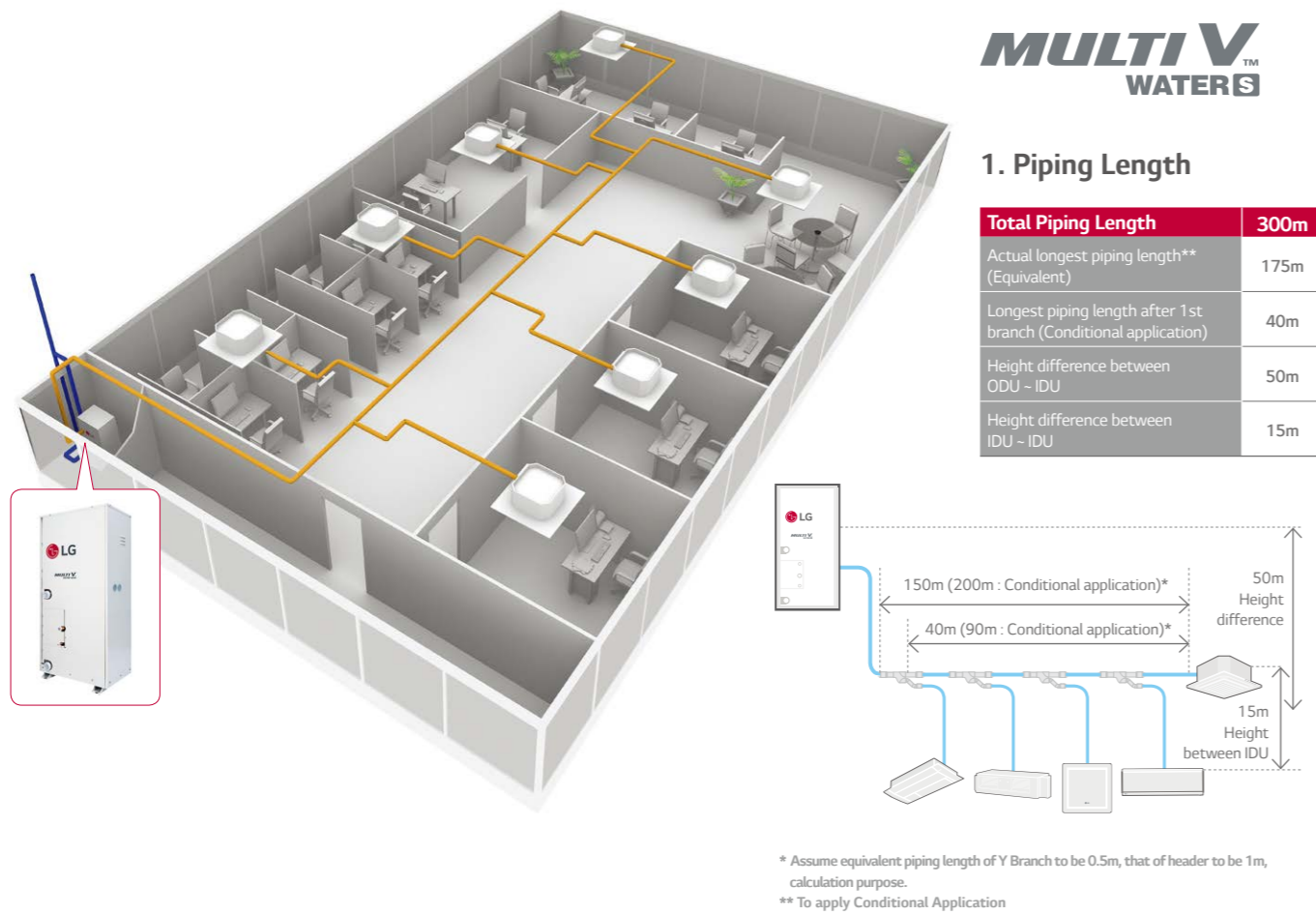
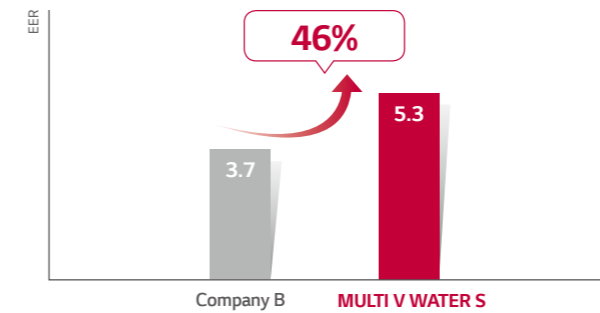


MULTI V WATER S



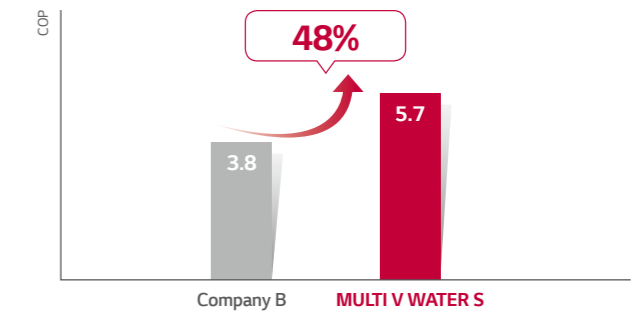
World's First Class Cooling and Heating Efficiency

EER (Rated Efficiency)



* Comparison between 4HP model, based on internal test data

COP (Rated Efficiency)

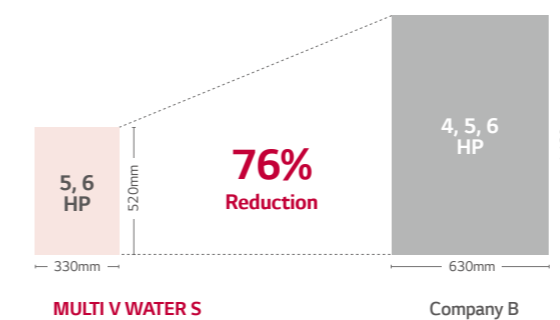


* Comparison between 4HP model, based on internal test data

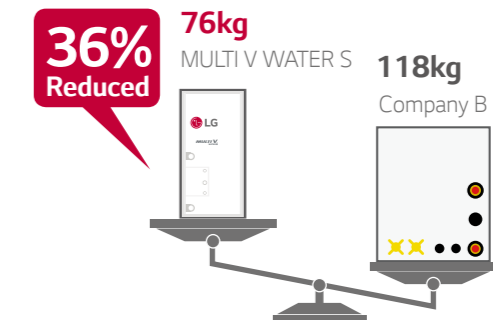
Compact Size

Outdoor unit can be placed inside a closet, no need for roof or outside space. It can be applicable for small space application such as shops in city centers and malls.

Foot print area



Weight



Benefit

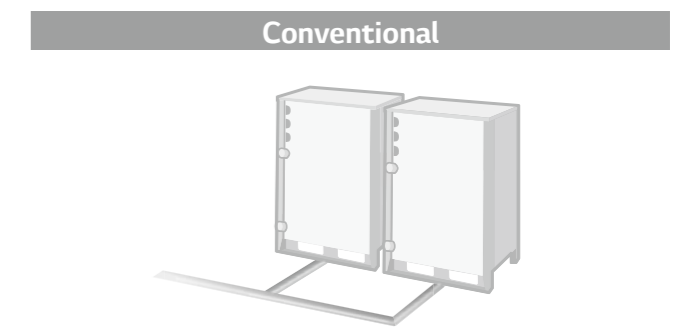
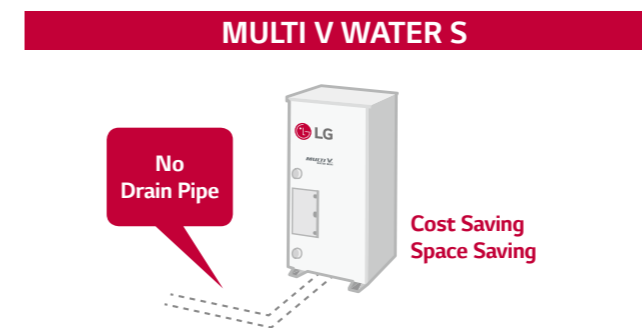
- Saves valuable floor space
- Low noise level (no fans)
- Flexible design applications
- High efficient water source system

Application

- Building remodeling case (initially equipped with Chillers)
- Residential building with geothermal / Water supply
- High-rise commercial building

Convenient Installation

Absence of drain pipe makes installation easier.



MULTI V WATER S

ARWN60GA0

HP				6
Model	Independent Unit			ARWN60GA0
Capacity	Cooling	Nom	kW	15.5
	Heating	Nom	kW	18.0
Power Input	Cooling	Nom	kW	3.20
	Heating	Nom	kW	3.50
EER				4.84
COP				5.14
Operation Range of Circulation water ⁵⁾	Cooling	Min - Max	°C	10°C - 45°C
	Heating	Min - Max	°C	-5°C - 45°C
Compressor	Type	BLDC Inverter Twin Rotary		
	Number of Compressor	1		
Sound Pressure	Cooling	Nom	dBA	50
	Heating	Nom	dBA	50
Sound Power	Cooling	Nom	dBA	61
	Heating	Nom	dBA	61
Dimensions	W x H x D		mm	520 x 1,080 x 330
Net Weight			kg	76
Refrigerant	Type	R410A		
	Precharged Amount		kg	1.0
			lbs	2.2
	GWP	2,087.5		
Refrigerant Oil	TCO ₂ eq	2.1		
	Type	FVC68D		
Charge		cc	1,300	
Power Supply			Ø / V / Hz	1 / 220-240 / 50, 60
Transmission Cable (VCTF-SB)			No. x mm ²	2C x 1.0-1.5
Piping Length	Total	Max	m	145
	Actual Longest Piping Length	Max	m	90
	After 1st Y Branch	Max	m	40
Piping Level Difference	IDU - ODU	Max	m	30
	IDU - IDU	Max	m	15
Piping Connection	Liquid		mm (inch)	9.52 (3/8)
	Gas		mm (inch)	19.05 (3/4)
Number of Outdoor Units				1
Number of Connectable Indoor Units	Max			9
Ratio of the Connectable Indoor Units	Min - Max			50 - 130%
Heat Exchanger	Type	Stainless Steel Plate		
	Pressure Resistance	Max	kgf/cm ²	4.413
	Nom Water Flow		L/min	60
	Head Loss		kPa	28.4
Water Connection Pipe	Inlet		mm	PT32 (1-1/4)
	Outlet		mm	PT32 (1-1/4)
	Drain Outlet		mm	-

* This product contains Fluorinated Greenhouse Gases. (R410A)

Note : 1. Capacities are based on the following conditions :

- Cooling Temperature : Indoor 27°C (80.6°F) DB / 19°C (66.2°F) WB / Water 30°C (86°F)
- Heating Temperature : Indoor 20°C (68°F) DB / 15°C (59°F) WB / Water 20°C (68°F)
- Piping Length : Interconnected Pipe Length = 7.5m
- Difference Limit of Elevation (Outside - Indoor Unit) is Zero.

2. Wiring cable size must comply with the applicable local and national codes.

3. Due to our policy of innovation some specifications may be changed without notification.

4. Sound Level Values are measured at Anechoic chamber.

Therefore, these values can be increased owing to ambient conditions during operation.

5. Add an anti freeze to circulation water when outside unit is operating under 10°C (50°F), and change the DIP switch on main PCB. (For more information on installation section.)

MULTI V WATER S

REFERENCE SITE

Bouygues Challenger

LG MULTI V Water Solution with Geothermal Application



Site Information

The industrial group Bouygues was established in France in 1952. It now maintains operations in 80 countries and employs more than 131,000 people. In 1988, after two years of construction, the new headquarters for Bouygues Construction was officially opened for business. Named Challenger, the complex became a technological showcase for late 20th century architecture.

LG Solution

Bouygues decided to convert their headquarters into an eco-friendly building by significantly reducing its energy footprint. The LG MULTI V Water system was chosen as the ideal HVAC solution for this project. The system not only saves energy but also reduces water usage as it recycles water in order to regulate the temperature of the building. With LG's advanced technology, the building's water consumption was reduced by more than 70 percent.