

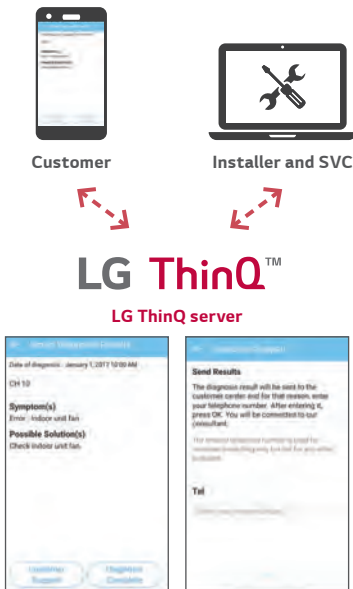
Anytime, Anywhere!  
ThinQ™  
with Voice Control



☐ Specifications may vary for each model.

## Benefit

Easily comprehensible error messages make detecting a solution and contacting the service center simple and convenient.



### For Consumer



- Easily check operational status of a product without a display or one that provides limited information.
- Save energy by monitoring key operational information and power consumption.
- Using the Maintenance Guide helps to improve device performance and increase product life-span.

### For Installer and SVC



- Understand the product better by easily confirming operational status and information.
- Intuitively diagnose problems by comparing current and past usage data.
- Maintain installation capabilities and reduce installation errors by quickly confirming device operational status.

## Dual Inverter Compressor



Dual Inverter  
COMPRESSOR

A compressor is the heart of an air conditioner, and monitoring whether it is operating at its best performance, effectively and quietly, to save the system stress as well lower running costs. LG's Dual Inverter Compressor provides an effective solution, resulting in an air conditioner that cools and heats faster, lasts longer, and operates quieter than conventional models.



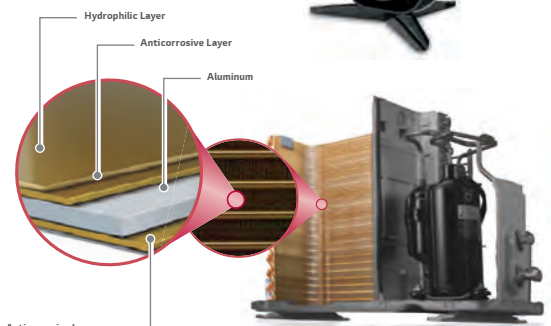
### Gold Fin™

The Gold Fin™ coating protects the surface of the heat exchanger from unnecessary wear and corrosion.

- ☐ Specifications may vary for each model.
- ☐ Depending on the experimental conditions.

Corrosion-resistant protective layer

The gold-coloured special coating on the fin of the heat exchanger prevents corrosion, extending the life of the unit and given it a premium look.



For our policy of continuous product improvement, specification, design and features are subject to change without prior notice.

# AirCare Complete System™

The all-new AirCare Complete System uses a filtration process with UVnano™ and Ionizer that removes fine dust and even bacteria, ensuring the air flow around is always fresh.

## ART COOL™ MIRROR

### Auto Cleaning

Automatically dries out any moisture collected in the unit to prevent the formation of harmful particles.

### Pre-Filter™

Traps big dust particles from the start.

### Allergy Filter

Removes allergy-causing substances, such as house dust mites, floating in the air.

### UVnano™

Keeps your fan 99.99% bacteria-clean with UV LED light to ensure fresh and clean air is delivered.

### Plasmaster™ Ionizer<sup>++</sup>

Keeps the air cool and healthy by deodorising the air as well as removing 99.9%\* of adhering bacteria.

## DUAL COOL™ DELUXE

### Auto Cleaning

Automatically dries out any moisture collected in the unit to prevent the formation of harmful particles.

### Pre-Filter™

Traps big dust particles from the start.

### Allergy Filter

Removes allergy-causing substances, such as house dust mites, floating in the air.

### UVnano™

Keeps your fan 99.99% bacteria-clean with UV LED light to ensure fresh and clean air is delivered.

### Plasmaster™ Ionizer<sup>++</sup>

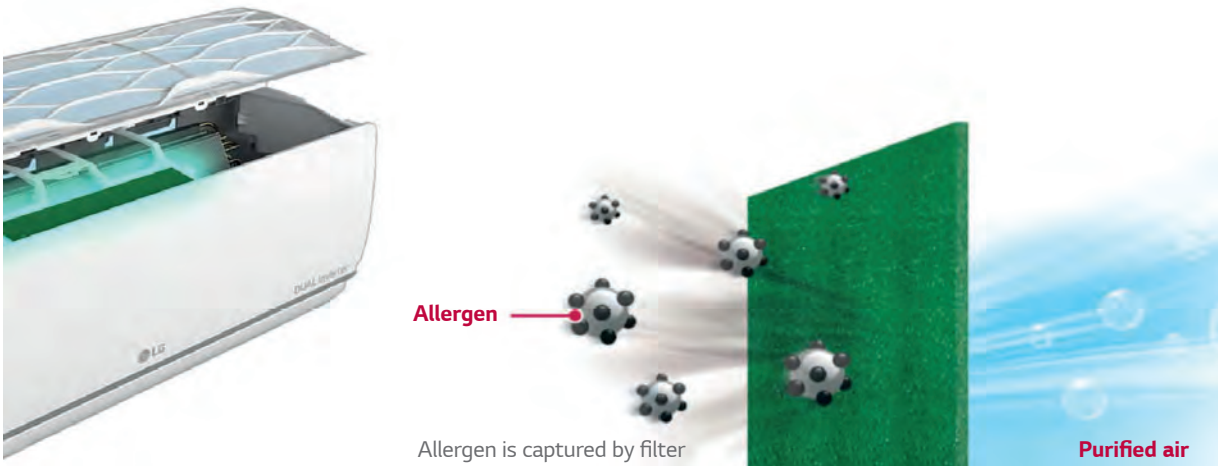
Keeps the air cool and healthy by deodorising the air as well as removing 99.9%\* of adhering bacteria.

## Allergy Filter

Airflow from an air conditioner can cause or contribute to symptoms associated with allergies or asthma. However, LG units boast an interior filter that can absorb these harmful substances, such as dust mites, pollen, fungi, and mold, that float throughout the air.

### How It Works

Removes allergy-causing substances, such as dust mites that can be found in the air.



### Certification



## Specially coated filter reduces

\* Test Condition Disclaimer

A filter is coated to absorb harmful substances that can cause allergies. The air conditioner strongly absorbs indoor air and removes allergy-causing substances, such as house dust mite, fungi, mold, floating in the air.

Allergy UK (a world-renowned organization) is a British medical charity dedicated to helping adults and children with their allergies. The charity was founded in 1991 as the British Allergy Foundation, and in 2002 the operational name of the charity became Allergy UK. Allergy UK endorses certain products that restrict or remove high levels of allergens and gives them a Seal of Approval.

# UVnano™

LG DUALCOOL, keeping the fan (inside the unit) 99.99% bacteria-free with ultraviolet light to ensure that the air passing through is clean too.

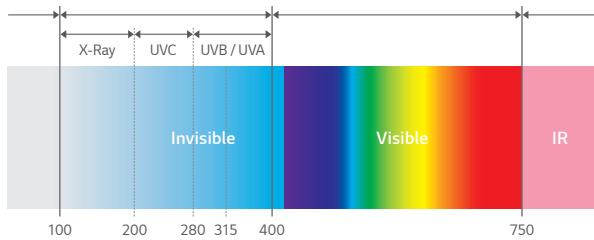
UVnano is an integrated marketing name that applies LG Electronics' entire home appliances and it is a compound of the words UV (ultraviolet) and nanometer (unit of length).

## What is UVnano™ and How it Works?

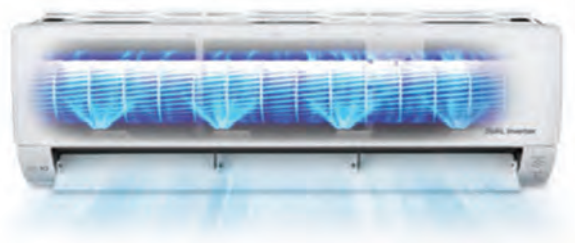
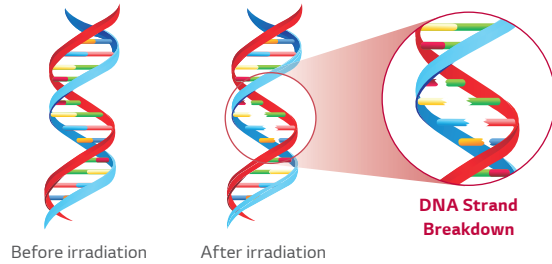
- Emit Ultraviolet rays of UVC wavelength directly damage the DNA of microorganisms (bacteria/mold/viruses) making it impossible for them to multiply.
- High absorption into DNA at 260 to 270 nm wavelengths

## DNA Absorption Efficiency by Wavelength

### Electromagnetic Spectrum and Types



### Destruction Nuclear Sequence (Chain)



## Energy Display

LG's Energy Display panel monitors the amount of energy levels used. Reduce energy consumption while enjoying a comfortable indoor environment by checking your energy level directly on the AC panel.

Specifications may vary for each model. When connected to Multi ODU, Energy Display function may not be supported.

### How it Works

#### Magic Display & Remote Control

With the push of a button on the remote control, indoor unit's LCD display shows the current and total energy use, thus making the users aware of reducing energy consumption.



### Benefit

#### Normal Mode

Current Setting Temp.









#### Electric Power

Displays Current Energy Use



# SINGLE SPLIT LINE-UP

LG Electronics single split wall mount units are suited to numerous applications: bedroom, living-room, conservatory, home office / summer house, extensions and small commercial space such as local shops really anywhere that requires one room to be heated or cooled. Many unique features are offered to customers with LG wall mounted units, such as the ARTCOOL Gallery which can be personalised with your own artwork or family photos, or the Deluxe and Standard Plus with embedded Wi-Fi.

		9		12		15		18		24	
		2.6		3.5		4.2		5.3		7.0	
Wall Mounted Unit	<b>INDOOR UNITS</b>										
	<b>KW</b>										
	<b>ARTCOOL Mirror</b>		○●	○●	○●	○●	○●	○●	○●	○●	○●
	List Price	AC09BK.NSJ	AC12BK.NSJ	AC18BK.NSK	AC24BK.NSK	AC18BK.NSK	AC24BK.NSK	AC18BK.NSK	AC24BK.NSK	AC18BK.NSK	AC24BK.NSK
		<b>£439.00</b>	<b>£524.00</b>	<b>£719.00</b>	<b>£767.00</b>	<b>£719.00</b>	<b>£767.00</b>	<b>£719.00</b>	<b>£767.00</b>	<b>£719.00</b>	<b>£767.00</b>
	<b>Deluxe</b>		○●	○●	○●	○●	○●	○●	○●	○●	○●
	List Price	DC09RK.NSJ	DC12RK.NSJ	DC18RK.NSK	DC24RH.NSK	DC18RK.NSK	DC24RH.NSK	DC18RK.NSK	DC24RH.NSK	DC18RK.NSK	DC24RH.NSK
		<b>£307.00</b>	<b>£344.00</b>	<b>£479.00</b>	<b>£600.00</b>	<b>£479.00</b>	<b>£600.00</b>	<b>£479.00</b>	<b>£600.00</b>	<b>£479.00</b>	<b>£600.00</b>
	<b>Standard Plus</b>		○●	○●	○●	○●	○●	○●	○●	○●	○●
List Price	PC09SK.NSJ	PC12SK.NSJ	PC18SK.NSK	PC24SK.NSK	PC18SK.NSK	PC24SK.NSK	PC18SK.NSK	PC24SK.NSK	PC18SK.NSK	PC24SK.NSK	
	<b>£254.00</b>	<b>£277.00</b>	<b>£367.00</b>	<b>£491.00</b>	<b>£367.00</b>	<b>£491.00</b>	<b>£367.00</b>	<b>£491.00</b>	<b>£367.00</b>	<b>£491.00</b>	
	<b>OUTDOOR UNITS - KW</b>	<b>2.6</b>	<b>3.5</b>	<b>4.2</b>	<b>5.3</b>	<b>7.0</b>					
Connecting Outdoor Unit	<b>Mirror</b>		○	○	○	○	○	○	○	○	
	List Price	AC09BKUA3	AC12BKUA3	AC18BKUL2	AC24BKU24	AC18BKUL2	AC24BKU24	AC18BKUL2	AC24BKU24	AC18BKUL2	AC24BKU24
		<b>£461.00</b>	<b>£531.00</b>	<b>£728.00</b>	<b>£1,022.00</b>	<b>£728.00</b>	<b>£1,022.00</b>	<b>£728.00</b>	<b>£1,022.00</b>	<b>£728.00</b>	<b>£1,022.00</b>
	<b>Deluxe</b>		○	○	○	○	○	○	○	○	
	List Price	DC09RKUL2	DC12RKUL2	DC18RKUL2	DC24RKU24	DC18RKUL2	DC24RKU24	DC18RKUL2	DC24RKU24	DC18RKUL2	DC24RKU24
		<b>£506.00</b>	<b>£593.00</b>	<b>£806.00</b>	<b>£1,006.00</b>	<b>£806.00</b>	<b>£1,006.00</b>	<b>£806.00</b>	<b>£1,006.00</b>	<b>£806.00</b>	<b>£1,006.00</b>
	<b>Standard Plus</b>		○	○	○	○	○	○	○	○	
	List Price	PC09SKUA3	PC12SKUA3	PC18SKUL2	PC24SKU24	PC18SKUL2	PC24SKU24	PC18SKUL2	PC24SKU24	PC18SKUL2	PC24SKU24
		<b>£415.00</b>	<b>£471.00</b>	<b>£660.00</b>	<b>£808.00</b>	<b>£660.00</b>	<b>£808.00</b>	<b>£660.00</b>	<b>£808.00</b>	<b>£660.00</b>	<b>£808.00</b>

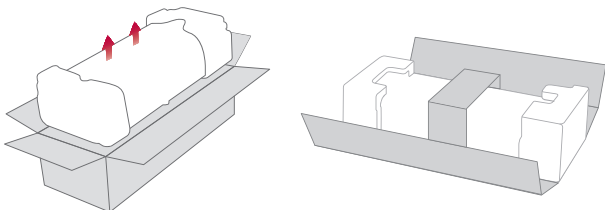
These products contains Fluorinated greenhouse gases (R32), GWP : Global warming potential of R32 is 675 (t-CO<sub>2</sub>eq : F-gas(kg)\*GWP/1000)  
S : Sleep / L : Low / M : Medium / H : High  
Specification, design and feature are subject to change without prior notice.



## Quick & Easy Installation

LG air conditioner is designed for an easy and efficient installation, making it possible to install several units in a short period of time. By reducing the manpower and time required for installation, it is now possible to install more units in less time.

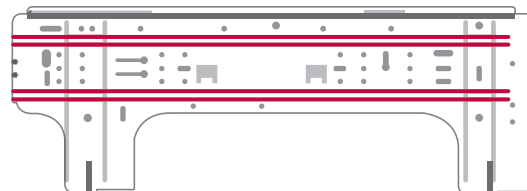
One Simple Packing Box



Conventional

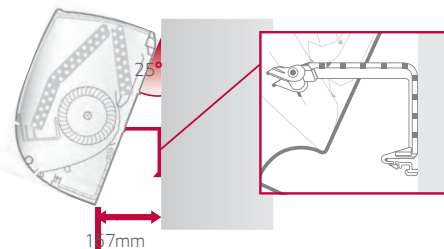
LG

LG's installation plate is larger and customised to reduce with measurements and template to save on the installation time.



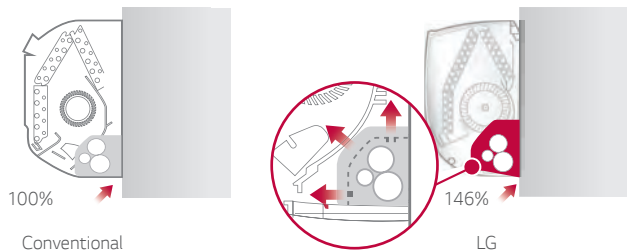
Installation Support Clip

A support clip creates adequate space between the wall and the unit for easier installation.



Wider Tubing Space

The space provided for tubing facilitates the whole installation process and hides the unorganised parts, making it appear clean and tidy.

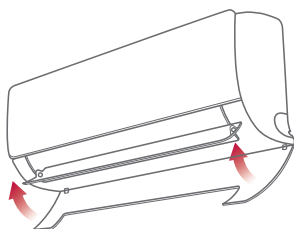


Conventional

LG

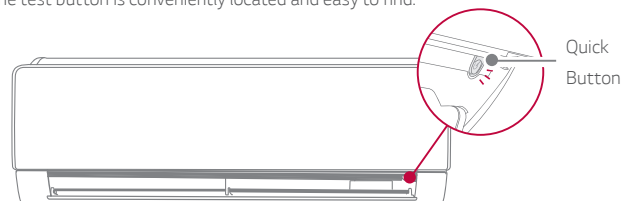
Detachable Bottom Cover

The air conditioner's bottom cover is detachable for easier installation and access.



Quick button for running test

The test button is conveniently located and easy to find.
















Quick Button






# INDOOR UNITS LINE-UP

● Multi Only ○● Compatible with Residential Single Split ○□ Compatible with Commercial Single Split

kBTu/h		5	7	9	12	15	18	24
kW		1.5	2.1	2.6	3.5	4.2	5.3	7.0
Wall Mounted	ARTCOOL Gallery	 			● MA09R NF1	● MA12R NF1		
	ARTCOOL Mirror	   		● AM07BK NSJ	○● AC09BK NSJ	○● AC12BK NSJ		○● AC18BK NSK ○● AC24BK NSK
	Deluxe	  		● DM07RK NSJ	○● DC09RK NSJ	○● DC12RK NSJ		○● DC18RK NSK ○● DC24RK NSK
	Standard Plus	   	● PM05SK NSA	● PM07SK NSA	○● PC09SK NSJ	○● PC12SK NSJ	● PM15SK NSJ	○● PC18SK NSK ○● PC24SK NSK
	Standard Specialty	   	● MJ05PC NSJ	● MJ07PC NSJ	○● MJ09PC NSJ	○● MJ12PC NSJ	● MJ15PC NSJ	○● MJ18PC NSK ○● MJ24PC NSK
	Standard 2	  		□ MS07ET NSA	□ S09ET NSJ	□ S12ET NSJ		□ S18ET NSK □ S24ET NSK
Ceiling Mounted Cassette	1 Way Cassette	 			● MT09R NU1	● MT11R NU1		
	4 Way Cassette	 	● MT06R NRO	● MT08R NRO	○● CT09F NRO	○● CT12F NRO		○● CT18F NQ0 ○● CT24F NQ0
Ceiling Concealed Duct	Mid / High Static Pressure	 					○● CM18F N10	○● CM24F N10
	Low Static Pressure	 			○● CL09F N50	○● CL12F N50		○● CL18F N60
		 						○● CL24F N30
Console	R410a			● CQ09 NAO	● CQ12 NAO		● CQ18 NAO	

kBtu/h	14	16	18	21	24	27	30
kW	4.1	4.7	5.3	6.2	7.0	7.9	8.8
Multi 	 MU2R15 ULO 2-port	 MU2R17 ULO 2-port	 MU3R19 U21 3-port	 MU3R21 U21 3-port	 MU4R25 U21 4-port	 MU4R27 U40 4-port	 MU5R30 U40 5-port

All indoor units are compatible with R410A outdoor units.

kBtu/h	40	48	56
kW	11.7	14.1	16.4
Multi Piping	 MU5M40 U44 5-port		
Multi Distribution Box	 FM40AH U34 / FM41AH U34 7-IDU	 FM48AH U34 / FM49AH U34 8-IDU	 FM56AH U34 / FM57AH U34 9-IDU

## Combination & Flexibility

Refrigerant	Connectable Indoor Units	Wall Type																			
		ARTCOOL Gallery		ARTCOOL Mirror				DELUXE				Standard Plus									
		9	12	7	9	12	18	24	7	9	12	18	24	5	7	9	12	15	18	24	
R32	MU2R15 ULO	☐	☐	☐	☐	☐			☐	☐	☐			☐	☐	☐	☐				
	MU2R17 ULO	☐	☐	☐	☐	☐			☐	☐	☐			☐	☐	☐	☐				
	MU3R19 U21	☐	☐	☐	☐	☐	☐			☐	☐	☐			☐	☐	☐	☐	☐	☐	
	MU3R21 U21	☐	☐	☐	☐	☐	☐			☐	☐	☐			☐	☐	☐	☐	☐	☐	
	MU4R25 U21	☐	☐	☐	☐	☐	☐	☐			☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
	MU4R27 U40	☐	☐	☐	☐	☐	☐	☐	☐			☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
R410a	MU5R30 U40	☐	☐	☐	☐	☐	☐	☐	☐			☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
	MU5M40 U44	☐	☐	☐	☐	☐	☐	☐	☐			☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
	FM40AH U34	☐	☐	☐	☐	☐	☐	☐	☐			☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
	FM41AH U34	☐	☐	☐	☐	☐	☐	☐	☐			☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
	FM48AH U34	☐	☐	☐	☐	☐	☐	☐	☐			☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
	FM49AH U34	☐	☐	☐	☐	☐	☐	☐	☐			☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
R410a	FM56AH U34	☐	☐	☐	☐	☐	☐	☐	☐			☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
	FM57AH U34	☐	☐	☐	☐	☐	☐	☐	☐			☐	☐	☐	☐	☐	☐	☐	☐	☐	☐

Refrigerant	Connectable Indoor Units	Ceiling Mounted Cassette								Ceiling Concealed Duct				Console							
		1 Way Cassette		4 Way Cassette				Mid / High Static Pressure		Low Static Pressure											
		9	12	5	7	9	12	18	24	18	24	9	12	18	24	9	12	18			
R32	MU2R15 ULO	☐	☐	☐	☐	☐	☐							☐	☐						
	MU2R17 ULO	☐	☐	☐	☐	☐	☐							☐	☐						
	MU3R19 U21	☐	☐	☐	☐	☐	☐	☐						☐	☐	☐					
	MU3R21 U21	☐	☐	☐	☐	☐	☐	☐						☐	☐	☐					
	MU4R25 U21	☐	☐	☐	☐	☐	☐	☐	☐					☐	☐	☐	☐				
	MU4R27 U40	☐	☐	☐	☐	☐	☐	☐	☐	☐				☐	☐	☐	☐	☐			
R410a	MU5R30 U40	☐	☐	☐	☐	☐	☐	☐	☐					☐	☐	☐	☐	☐			
	MU5M40 U44	☐	☐	☐	☐	☐	☐	☐	☐					☐	☐	☐	☐	☐			
	FM40AH U34	☐	☐	☐	☐	☐	☐	☐	☐					☐	☐	☐	☐	☐			
	FM41AH U34	☐	☐	☐	☐	☐	☐	☐	☐					☐	☐	☐	☐	☐			
	FM48AH U34	☐	☐	☐	☐	☐	☐	☐	☐					☐	☐	☐	☐	☐			
	FM49AH U34	☐	☐	☐	☐	☐	☐	☐	☐					☐	☐	☐	☐	☐			
R410a	FM56AH U34	☐	☐	☐	☐	☐	☐	☐	☐					☐	☐	☐	☐	☐			
	FM57AH U34	☐	☐	☐	☐	☐	☐	☐	☐					☐	☐	☐	☐	☐			

# OUTDOOR UNITS



LG participates in the ECP programme for EUROVENT VRF program. Check ongoing validity of certification : [www.eurovent-certification.com](http://www.eurovent-certification.com)

OUTDOOR UNITS				MU2R15 ULO	MU2R17 ULO
Compressor	Type			Twin Rotary	Twin Rotary
Capacity*	Cooling	Min. / Nom. / Max.	kW	0.9 / 4.1 / 4.7	0.9 / 4.7 / 5.4
	Heating	Min. / Nom. / Max.	kW	1.0 / 4.7 / 5.4	1.0 / 5.3 / 5.7
Low Temperature Capacity	Heating -7°C	Max.	kW	3.3	3.7
Power Input*	Cooling	Min. / Nom. / Max.	kW	0.2 / 1.0 / 1.4	0.2 / 1.3 / 1.7
	Heating	Min. / Nom. / Max.	kW	0.2 / 1.1 / 1.4	0.2 / 1.3 / 1.6
Running Current	Cooling	Min. / Nom. / Max.	A	1.1 / 4.6 / 6.4	1.1 / 5.6 / 7.9
	Heating	Min. / Nom. / Max.	A	1.1 / 4.9 / 6.6	1.1 / 5.5 / 7.6
EER				4.14	3.75
COP				4.38	4.22
SEER				8.50	7.80
SCOP				4.20	4.20
Pdesign (@-10°C)			kW	4.10	4.10
Seasonal Energy Label	Cooling / Heating (A+++ to D Scale)			A+++ / A+	A++ / A+
Annual Energy Consumption	Cooling / Heating			169 / 1,367	210 / 1,367
Airflow Rate	Nom.		m <sup>3</sup> /min	28.2	28.2
Sound Pressure	Cooling	Nom.	dB(A)	48	48
	Heating	Nom.	dB(A)	51	51
Sound Power	Cooling	Max.	dB(A)	61	63
Dimensions	W x H x D		mm	770 x 545 x 288	770 x 545 x 288
Net Weight			Kg	36	36
Refrigerant	Type			R32	R32
	Charge		Kg	1.1	1.1
	Additional Charge		g/m	20	20
	GWP			675	675
	t-CO <sub>2</sub> eq			0.743	0.743
Operation Range (Outdoor)	Cooling	Min. / Max.	°C DB	-10 / 48	-10 / 48
	Heating	Min. / Max.	°C WB	-18 / 18	-18 / 18
Power Supply			Ø / V / Hz	1 / 220-240 / 50	1 / 220-240 / 50
Power Supply Cable			No. x mm <sup>2</sup>	3C x 2.5	3C x 2.5
Transmission Cable			No. x mm <sup>2</sup>	4C x 0.75	4C x 0.75
Circuit Breaker			A	15	15
Piping Length Total			m	30	30
Piping Length per Branch		Max.	m	20	20
Piping Elevation Difference	IDU - ODU	Max.	m	15	15
	IDU - IDU	Max.	m	7.5	7.5
Piping Connection	Liquid		mm (inch) x No.	Ø6.35 (1/4) x 2	Ø6.35 (1/4) x 2
	Gas		mm (inch) x No.	Ø9.52 (3/8) x 2	Ø9.52 (3/8) x 2
<b>List Price - Outdoor Unit</b>			<b>£</b>	<b>£1,072.00</b>	<b>£1,131.00</b>

## Notes:

- Capacities are based on the following conditions:  
Cooling: - Indoor Temperature 27°C (80.6°F) DB / 19°C (66.2°F) WB - Outdoor Temperature 35°C (95°F) DB / 24°C (75.2°F) WB  
Heating: - Indoor Temperature 20°C (68°F) DB / 15°C (59°F) WB - Outdoor Temperature 7°C (44.6°F) DB / 6°C (42.8°F) WB  
Piping Length - Interconnecting Piping Length 7.5m - Level Difference of Zero.
- \*: See page "Combination Table".
- Due to our policy of innovation some specifications may be changed without notification.
- At least two indoor units should be connected.
- Minimum combination ratio should be more than 40%.
- This product contains fluorinated greenhouse gases (R32)

# OUTDOOR UNITS



LG participates in the ECP programme for EUROVENT VRF program. Check ongoing validity of certification : [www.eurovent-certification.com](http://www.eurovent-certification.com)

OUTDOOR UNITS				MU3R19 U21	MU3R21 U21	MU4R25 U21
Compressor	Type			Twin Rotary	Twin Rotary	Twin Rotary
Capacity*	Cooling	Min. / Nom. / Max.	kW	1.1 / 5.3 / 6.3	1.1 / 6.2 / 7.3	1.1 / 7.0 / 8.5
	Heating	Min. / Nom. / Max.	kW	1.2 / 6.3 / 7.3	1.2 / 7.0 / 7.8	1.2 / 8.1 / 9.1
Low Temperature Capacity	Heating -7°C	Max.	kW	5.2	5.5	5.9
Power Input*	Cooling	Min. / Nom. / Max.	kW	0.3 / 1.1 / 2.0	0.3 / 1.4 / 2.5	0.3 / 1.8 / 2.8
	Heating	Min. / Nom. / Max.	kW	0.3 / 1.3 / 2.0	0.3 / 1.5 / 2.4	0.3 / 1.8 / 2.9
Running Current	Cooling	Min. / Nom. / Max.	A	1.3 / 5.0 / 9.2	1.3 / 6.5 / 11.1	1.3 / 8.0 / 12.6
	Heating	Min. / Nom. / Max.	A	1.3 / 5.7 / 9.2	1.3 / 6.9 / 10.8	1.3 / 8.3 / 12.9
EER				4.75	4.28	4.00
COP				5.00	4.60	4.40
SEER				8.50	8.50	8.00
SCOP				4.40	4.40	4.40
Pdesign (@-10°C)			kW	5.20	5.20	5.40
Seasonal Energy Label	Cooling / Heating (A+++ to D Scale)			A+++ / A+	A+++ / A+	A++ / A+
Annual Energy Consumption	Cooling / Heating			217 / 1,655	253 / 1,655	308 / 1,718
Airflow Rate	Nom.		m <sup>3</sup> /min	50	50	50
Sound Pressure	Cooling	Nom.	dB(A)	48	49	50
	Heating	Nom.	dB(A)	53	54	54
Sound Power	Cooling	Max.	dB(A)	63	64	66
Dimensions	W x H x D		mm	870 x 650 x 330	870 x 650 x 330	870 x 650 x 330
Net Weight			Kg	46	46	46.2
Refrigerant	Type			R32	R32	R32
	Charge		Kg	1.4	1.4	1.4
	Additional Charge		g/m	20	20	20
	GWP			675	675	675
	t-CO <sub>2</sub> eq			0.945	0.945	0.945
Operation Range (Outdoor)	Cooling	Min. / Max.	°C DB	-10 / 48	-10 / 48	-10 / 48
	Heating	Min. / Max.	°C WB	-18 / 18	-18 / 18	-18 / 18
Power Supply			Ø / V / Hz	1 / 220-240 / 50	1 / 220-240 / 50	1 / 220-240 / 50
Power Supply Cable			No. x mm <sup>2</sup>	3C x 2.5	3C x 2.5	3C x 2.5
Transmission Cable			No. x mm <sup>2</sup>	4C x 0.75	4C x 0.75	4C x 0.75
Circuit Breaker			A	20	20	20
Piping Length Total			m	50	50	70
Piping Length per Branch		Max.	m	25	25	25
Piping Elevation Difference	IDU - ODU	Max.	m	15	15	15
	IDU - IDU	Max.	m	7.5	7.5	7.5
Piping Connection	Liquid		mm (inch) x No.	Ø6.35 (1/4) x 3	Ø6.35 (1/4) x 3	Ø6.35 (1/4) x 4
	Gas		mm (inch) x No.	Ø9.52 (3/8) x 3	Ø9.52 (3/8) x 3	Ø9.52 (3/8) x 4
<b>List Price - Outdoor Unit</b>			<b>£</b>	<b>£1,188.00</b>	<b>£1,312.00</b>	<b>£1,676.00</b>

## Notes:

- Capacities are based on the following conditions:  
Cooling : - Indoor Temperature 27°C (80.6°F) DB / 19°C (66.2°F) WB - Outdoor Temperature 35°C (95°F) DB / 24°C (75.2°F) WB  
Heating : - Indoor Temperature 20°C (68°F) DB / 15°C (59°F) WB - Outdoor Temperature 7°C (44.6°F) DB / 6°C (42.8°F) WB  
Piping Length - Interconnecting Piping Length 7.5m - Level Difference of Zero.
- \* : See page "Combination Table".
- Due to our policy of innovation some specifications may be changed without notification.
- At least two indoor units should be connected
- Minimum combination ratio should be more than 40%.
- This product contains fluorinated greenhouse gases (R32)



# OUTDOOR UNITS



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OUTDOOR UNITS				MU4R27 U40	MU5R30 U40
Compressor	Type			Twin Rotary	Twin Rotary
Capacity*	Cooling	Min. / Nom. / Max.	kW	1.3 / 7.9 / 9.5	1.3 / 8.8 / 10.6
	Heating	Min. / Nom. / Max.	kW	1.5 / 9.1 / 10.6	1.5 / 10.1 / 12.1
Low Temperature Capacity	Heating -7°C	Max.	kW	6.4	7.1
Power Input*	Cooling	Min. / Nom. / Max.	kW	0.4 / 1.8 / 2.9	0.4 / 2.0 / 3.4
	Heating	Min. / Nom. / Max.	kW	0.6 / 2.1 / 3.4	0.6 / 2.2 / 3.6
Running Current	Cooling	Min. / Nom. / Max.	A	1.9 / 8.1 / 13.1	1.9 / 9.1 / 15.2
	Heating	Min. / Nom. / Max.	A	2.8 / 9.4 / 15.3	2.8 / 9.7 / 16.3
EER				4.39	4.40
COP				4.39	4.70
SEER				8.00	8.20
SCOP				4.20	4.20
Pdesign (@-10°C)	kW			7.00	7.40
Seasonal Energy Label	Cooling / Heating (A+++ to D Scale)			A++ / A+	A++ / A+
Annual Energy Consumption	Cooling / Heating			346 / 2,333	376 / 2,467
Airflow Rate	Nom.		m <sup>3</sup> /min	60	60
Sound Pressure	Cooling	Nom.	dB(A)	50	50
	Heating	Nom.	dB(A)	54	54
Sound Power	Cooling	Max.	dB(A)	65	66
Dimensions	W x H x D		mm	950 x 834 x 330	950 x 834 x 330
Net Weight	Kg			61	61
Refrigerant	Type			R32	R32
	Charge		Kg	2.3	2.6
	Additional Charge		g/m	20	20
	GWP			675	675
	t-CO <sub>2</sub> eq			1.553	1.755
Operation Range (Outdoor)	Cooling	Min. / Max.	°C DB	-10 / 48	-10 / 48
	Heating	Min. / Max.	°C WB	-18 / 18	-18 / 18
Power Supply	Ø / V / Hz			1 / 220-240 / 50	1 / 220-240 / 50
Power Supply Cable	No. x mm <sup>2</sup>			3C x 2.5	3C x 2.5
Transmission Cable	No. x mm <sup>2</sup>			4C x 0.75	4C x 0.75
Circuit Breaker	A			25	25
Piping Length Total	m			70	75
Piping Length per Branch	Max.		m	25	25
Piping Elevation Difference	IDU - ODU	Max.	m	15	15
	IDU - IDU	Max.	m	7.5	7.5
Piping Connection	Liquid	mm (inch) x No.		Ø6.35 (1/4) x 4	Ø6.35 (1/4) x 5
	Gas	mm (inch) x No.		Ø9.52 (3/8) x 4	Ø9.52 (3/8) x 5
<b>List Price - Outdoor Unit</b>	<b>£</b>			<b>£1,831.00</b>	<b>£1,992.00</b>

Notes :

- Capacities are based on the following conditions:  
Cooling :- Indoor Temperature 27°C (80.6°F) DB / 19°C (66.2°F) WB - Outdoor Temperature 35°C (95°F) DB / 24°C (75.2°F) WB  
Heating :- Indoor Temperature 20°C (68°F) DB / 15°C (59°F) WB - Outdoor Temperature 7°C (44.6°F) DB / 6°C (42.8°F) WB  
Piping Length - Interconnecting Piping Length 7.5m - Level Difference of Zero.
- \* : See page "Combination Table".
- Due to our policy of innovation some specifications may be changed without notification.
- At least two indoor units should be connected
- Minimum combination ratio should be more than 40%.
- This product contains fluorinated greenhouse gases (R32)

# ARTCOOL GALLERY



LG participates in the ECP programme for EUROVENT VRF program. Check ongoing validity of certification : [www.eurovent-certification.com](http://www.eurovent-certification.com)

INDOOR				MA09R NF1	MA12R NF1
Capacity	Cooling	Rated	W	2,600	3,500
	Heating	Rated	W	2,900	3,900
Sound Pressure	Cooling	S / L / M / H	dB(A)	27 / 27 / 32 / 38	27 / 32 / 38 / 44
	Heating	L / M / H	dB(A)	27 / 32 / 38	32 / 38 / 44
Sound Power	Cooling	Power	dB(A)	52	54
Air Flow Rate	Cooling	S / L / M / H	m <sup>3</sup> /min	4.4 / 4.4 / 5.9 / 7.7	4.4 / 5.6 / 7.3 / 8.9
		Max. (Power)	m <sup>3</sup> /min	8.6	9.6
	Heating	L / M / H	m <sup>3</sup> /min	4.7 / 6.1 / 8.0	5.7 / 7.5 / 9.2
Dehumidification Rate			l/h	1.2	1.4
Power Supply			∅ / V / Hz	1 / 220-240 / 50	1 / 220-240 / 50
Power Supply Cable			N x mm <sup>2</sup>	4C x 0.75	4C x 0.75
Dimension			mm	600 x 600 x 145	600 x 600 x 145
Net Weight			kg	15.0	15.0
<b>List Price - Indoor Unit</b>			<b>£</b>	<b>£434.00</b>	<b>£517.00</b>

# ARTCOOL MIRROR



LG participates in the ECP programme for EUROVENT VRF program. Check ongoing validity of certification : [www.eurovent-certification.com](http://www.eurovent-certification.com)

INDOOR				AM07BK NSJ	AC09BK NSJ	AC12BK NSJ	AC18BK NSK	AC24BK NSK
Capacity	Cooling	Rated	W	2,100	2,500	3,500	5,000	6,600
	Heating	Rated	W	2,300	3,200	3,800	5,800	7,500
Sound Pressure	Cooling	S / L / M / H	dB(A)	19 / 26 / 32 / 36	19 / 26 / 33 / 38	19 / 26 / 35 / 39	31 / 34 / 42 / 47	31 / 34 / 42 / 47
	Heating	L / M / H	dB(A)	26 / 32 / 36	26 / 33 / 38	26 / 35 / 39	34 / 42 / 47	34 / 42 / 47
Sound Power	Cooling	Power	dB(A)	57	57	57	59	65
Air Flow Rate	Cooling	S / L / M / H	m <sup>3</sup> /min	3.0 / 5.0 / 7.2 / 8.6	3.0 / 5.0 / 7.6 / 9.1	3.0 / 5.0 / 8.1 / 9.6	8.0 / 10.5 / 13.1 / 15.5	8.0 / 10.5 / 13.1 / 16.1
		Max. (Power)	m <sup>3</sup> /min	11.1	11.1	11.1	16.8	18.3
	Heating	L / M / H	m <sup>3</sup> /min	5.0 / 7.2 / 8.6	5.0 / 7.6 / 9.1	5.0 / 8.1 / 9.6	10.5 / 13.1 / 15.5	10.5 / 13.1 / 16.1
Dehumidification Rate			l/h	0.9	1.1	1.2	1.9	2.6
Power Supply			∅ / V / Hz	1 / 220-240 / 50	1 / 220-240 / 50	1 / 220-240 / 50	1 / 220-240 / 50	1 / 220-240 / 50
Power Supply Cable			N x mm <sup>2</sup>	4C x 0.75	4C x 0.75	4C x 0.75	4C x 0.75	4C x 0.75
Dimension			mm	837 x 308 x 192	837 x 308 x 192	837 x 308 x 192	998 x 345 x 212	998 x 345 x 212
Net Weight			kg	9.1	9.9	9.9		
<b>List Price - Indoor Unit</b>			<b>£</b>	<b>£418.00</b>	<b>£439.00</b>	<b>£524.00</b>	<b>£719.00</b>	<b>£767.00</b>

☐ This product contains Fluorinated greenhouse gases (R32).

☐ S : Sleep / L : Low / M : Medium / H : High

☐ GWP : Global warming potential

☐ t-CO<sub>2</sub>eq : F-gas(kg)\*GWP/1000

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# DELUXE



UVnano™



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## Single Combination

INDOOR				DM07RK NSJ	DC09RK NSJ	DC12RK NSJ
Capacity	Cooling	Rated	W	2,100	2,500	3,500
	Heating	Rated	W	2,300	3,200	4,000
Sound Pressure	Cooling	S / L / M / H	dB(A)	19 / 27 / 31 / 36	19 / 27 / 32 / 36	19 / 29 / 34 / 38
	Heating	L / M / H	dB(A)	27 / 31 / 36	27 / 32 / 36	29 / 34 / 39
Sound Power	Cooling	Power	dB(A)	56	56	56
Air Flow Rate	Cooling	S / L / M / H	m <sup>3</sup> /min	3.0 / 5.0 / 6.1 / 7.4	3.5 / 5.0 / 6.4 / 7.7	3.5 / 5.3 / 6.7 / 8.1
		Max. (Power)	m <sup>3</sup> /min	10.1	10.1	10.1
	Heating	L / M / H	m <sup>3</sup> /min	5.0 / 6.1 / 7.4	5.0 / 6.4 / 7.7	5.3 / 6.7 / 8.1
Dehumidification Rate			l/h	0.9	1.1	1.2
Power Supply			∅ / V / Hz	1 / 220-240 / 50	1 / 220-240 / 50	1 / 220-240 / 50
Power Supply Cable			N x mm <sup>2</sup>	4C x 0.75	4C x 0.75	4C x 0.75
Dimension			mm	837 x 308 x 189	837 x 308 x 189	837 x 308 x 189
Net Weight			kg	8.3	9.1	9.1
<b>List Price - Indoor Unit</b>			£	<b>£295.00</b>	<b>£307.00</b>	<b>£344.00</b>

INDOOR				DC18RK NSK	DC24RK NSK
Capacity	Cooling	Rated	W	5,000	6,600
	Heating	Rated	W	5,800	7,500
Sound Pressure	Cooling	S / L / M / H	dB(A)	31 / 34 / 42 / 47	31 / 34 / 42 / 47
	Heating	L / M / H	dB(A)	34 / 42 / 47	34 / 42 / 47
Sound Power	Cooling	Power	dB(A)	60	64
Air Flow Rate	Cooling	S / L / M / H	m <sup>3</sup> /min	8.0 / 10.5 / 13.1 / 15.5	8.0 / 10.5 / 13.1 / 16.1
		Max. (Power)	m <sup>3</sup> /min	16.8	18.3
	Heating	L / M / H	m <sup>3</sup> /min	10.5 / 13.1 / 15.5	10.5 / 13.1 / 16.1
Dehumidification Rate			l/h	1.9	2.6
Power Supply			∅ / V / Hz	1 / 220-240 / 50	1 / 220-240 / 50
Power Supply Cable			N x mm <sup>2</sup>	4C x 0.75	4C x 0.75
Dimension			mm	998 x 345 x 210	998 x 345 x 210
Net Weight			kg	11.9	12.7
<b>List Price - Indoor Unit</b>			£	<b>£479.00</b>	<b>£600.00</b>

☐ This product contains Fluorinated greenhouse gases (R32).

☐ S : Sleep / L : Low / M : Medium / H : High

☐ GWP : Global warming potential

☐ t-CO<sub>2</sub>eq : F-gas(kg)\*GWP/1000

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# STANDARD PLUS



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INDOOR				PM05SK NSA	PM07SK NSA	PC09SK NSJ	PC12SK NSJ	PM15SK NSJ
Capacity	Cooling	Rated	W	1,500	2,100	2,500	3,500	4,200
	Heating	Rated	W	1,600	2,300	3,200	3,800	5,400
Sound Pressure	Cooling	S / L / M / H	dB(A)	22 / 27 / 31 / 36	22 / 27 / 32 / 37	19 / 26 / 33 / 38	19 / 26 / 35 / 39	19 / 28 / 38 / 41
	Heating	L / M / H	dB(A)	25 / 29 / 35	25 / 31 / 37	26 / 33 / 38	26 / 35 / 39	28 / 38 / 41
Sound Power	Cooling	Power	dB(A)	57	57	57	57	57
Air Flow Rate	Cooling	S / L / M / H	m <sup>3</sup> /min	2.0 / 3.5 / 5.0 / 6.3	2.0 / 3.5 / 5.3 / 6.6	3.0 / 5.0 / 7.6 / 9.1	3.0 / 5.0 / 8.1 / 9.6	3.0 / 5.4 / 8.6 / 10.0
		Max. (Power)	m <sup>3</sup> /min	11.1	11.1	11.1	11.1	11.1
	Heating	L / M / H	m <sup>3</sup> /min	4.5 / 5.3 / 6.8	4.5 / 5.7 / 7.2	5.0 / 7.6 / 9.1	5.0 / 8.1 / 9.6	5.4 / 8.6 / 10.0
Dehumidification Rate			l/h	0.9	0.9	1.1	1.2	1.2
Power Supply			∅ / V / Hz	1 / 220-240 / 50	1 / 220-240 / 50	1 / 220-240 / 50	1 / 220-240 / 50	1 / 220-240 / 50
Power Supply Cable			N x mm <sup>2</sup>	4C x 0.75	4C x 0.75	4C x 0.75	4C x 0.75	4C x 0.75
Dimension			mm	754 x 308 x 189	754 x 308 x 189	837 x 308 x 189	837 x 308 x 189	837 x 308 x 189
Net Weight			kg	7.8	7.8	8.7	8.7	8.7
<b>List Price - Indoor Unit</b>			<b>£</b>	<b>£216.00</b>	<b>£227.00</b>	<b>£254.00</b>	<b>£277.00</b>	<b>£301.00</b>

INDOOR				PC18SK NSK	PC24SK NSK
Capacity	Cooling	Rated	W	5,000	6,600
	Heating	Rated	W	5,800	7,500
Sound Pressure	Cooling	S / L / M / H	dB(A)	31 / 34 / 42 / 47	31 / 34 / 42 / 47
	Heating	L / M / H	dB(A)	34 / 42 / 47	34 / 42 / 47
Sound Power	Cooling	Power	dB(A)	59	65
Air Flow Rate	Cooling	S / L / M / H	m <sup>3</sup> /min	8.0 / 10.5 / 13.1 / 15.5	8.0 / 10.5 / 13.1 / 16.1
		Max. (Power)	m <sup>3</sup> /min	16.8	18.3
	Heating	L / M / H	m <sup>3</sup> /min	10.5 / 13.1 / 15.5	10.5 / 13.1 / 16.1
Dehumidification Rate			l/h	1.9	2.6
Power Supply			∅ / V / Hz	1 / 220-240 / 50	1 / 220-240 / 50
Power Supply Cable			N x mm <sup>2</sup>	4C x 0.75	4C x 0.75
Dimension			mm	998 x 345 x 210	998 x 345 x 210
Net Weight			kg	11.9	12.7
<b>List Price - Indoor Unit</b>			<b>£</b>	<b>£367.00</b>	<b>£491.00</b>

## Single Combination - silver strip

INDOOR				MJ09PC NSJ	MJ12PC NSJ	MJ15PC NSJ	MJ18PC NSK	MJ24PC NSK
Capacity	Cooling	Rated	W	2,500	3,500	4,200	5,000	6,600
	Heating	Rated	W	3,200	3,800	5,400	5,800	7,500
Sound Pressure	Cooling	S / L / M / H	dB(A)	19 / 27 / 32 / 36	19 / 29 / 34 / 38	19 / 29 / 35 / 40	31 / 34 / 42 / 47	31 / 34 / 42 / 47
	Heating	L / M / H	dB(A)	27 / 32 / 36	29 / 34 / 38	29 / 35 / 40	34 / 42 / 47	34 / 42 / 47
Sound Power	Cooling	Power	dB(A)	57	57	57	59	65
Air Flow Rate	Cooling	S / L / M / H	m <sup>3</sup> /min	3.5 / 5.0 / 6.4 / 7.7	3.5 / 5.3 / 6.7 / 8.1	3.5 / 5.4 / 7.0 / 8.7	8.0 / 10.5 / 13.1 / 15.5	8.0 / 10.5 / 13.1 / 16.1
		Max. (Power)	m <sup>3</sup> /min	10.1	10.1	10.1	16.8	18.3
	Heating	L / M / H	m <sup>3</sup> /min	5.0 / 6.4 / 7.7	5.3 / 6.7 / 8.1	5.4 / 7.0 / 8.7	10.5 / 13.1 / 15.5	10.5 / 13.1 / 16.1
Dehumidification Rate			l/h	1.1	1.2	1.2	1.9	2.6
Power Supply			∅ / V / Hz	1 / 220-240 / 50	1 / 220-240 / 50	1 / 220-240 / 50	1 / 220-240 / 50	1 / 220-240 / 50
Power Supply Cable			N x mm <sup>2</sup>	4C x 0.75	4C x 0.75	4C x 0.75	4C x 0.75	4C x 0.75
Dimension			mm	837 x 308 x 189	837 x 308 x 189	837 x 308 x 189	998 x 345 x 210	998 x 345 x 210
Net Weight			kg	8.7	8.7	8.7	12.0	12.0
<b>List Price - Indoor Unit</b>			<b>£</b>	<b>£279.00</b>	<b>£337.00</b>	<b>£429.00</b>	<b>£492.00</b>	<b>£601.00</b>

⊠ This product contains Fluorinated greenhouse gases (R32).

⊠ S : Sleep / L : Low / M : Medium / H : High

⊠ GWP : Global warming potential

⊠ t-CO<sub>2</sub>eq : F-gas(kg)\*GWP/1000

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# CEILING MOUNTED CASSETTE (4 WAY)



LG participates in the ECP programme for EUROVENT VRF program. Check ongoing validity of certification : [www.eurovent-certification.com](http://www.eurovent-certification.com)

## 4 Way Cassette

INDOOR				MT06R NRO	MT08R NRO
Capacity	Cooling / Heating	Nom.	kW	1.5 / 1.6	2.1 / 2.3
Power Input		Nom.	W	20	20
Running Current		Nom.	A	0.40	0.40
Power Supply			Ø / V / Hz	1 / 220-240 / 50	1 / 220-240 / 50
Air Flow Rate		H / M / L	m <sup>3</sup> /min	7.5 / 6.0 / 5.0	7.5 / 6.0 / 5.0
Sound Pressure	Cooling	H / M / L	dB(A)	31 / 27 / 24	31 / 27 / 24
Sound Power	Cooling	Max.	dB(A)	48	48
Dehumidification Rate			l/h	-	-
Dimensions	Body	W x H x D	mm	570 x 214 x 570	570 x 214 x 570
Net Weight	Body		kg	11.7	11.7
Piping Connection	Liquid		mm (inch)	Ø6.35 (1/4)	Ø6.35 (1/4)
	Gas		mm (inch)	Ø9.52 (3/8)	Ø9.52 (3/8)
<b>List Price - Indoor Unit</b>			<b>£</b>	<b>£465.00</b>	<b>£489.00</b>
Decoration Panel	Model			PT-QCHW0	PT-QCHW0
	Color			Morning Fog (9001)	Morning Fog (9001)
	Dimensions	W x H x D	mm	620 x 34 x 620	620 x 34 x 620
	Weight		kg	3	3
<b>List Price - Decoration Panel</b>			<b>£</b>	<b>£140.00</b>	<b>£140.00</b>

INDOOR				CT09F NRO	CT12F NRO	CT18F NQ0	CT24F NBO
Capacity	Cooling / Heating	Nom.	kW	2.6 / 2.9	3.5 / 3.9	5.3 / 5.8	6.7 / 7.5
Power Input		Nom.	W	22	24	26	26
Running Current		Nom.	A	0.40	0.40	0.40	0.60
Power Supply			Ø / V / Hz	1 / 220-240 / 50	1 / 220-240 / 50	1 / 220-240 / 50	1 / 220-240 / 50
Air Flow Rate		H / M / L	m <sup>3</sup> /min	8.5 / 7.0 / 6.0	9.5 / 8.0 / 7.0	13.0 / 12.0 / 11.0	17.0 / 15.0 / 13.0
Sound Pressure	Cooling	H / M / L	dB(A)	36 / 33 / 30	38 / 35 / 32	41 / 39 / 39	38 / 36 / 34
Sound Power	Cooling	Max.	dB(A)	52	52	57	53
Dehumidification Rate			l/h	0.9	1.4	2.0	2.7
Dimensions	Body	W x H x D	mm	570 x 214 x 570	570 x 214 x 570	570 x 256 x 570	840 x 204 x 840
Net Weight	Body		kg	12.4	12.4	13.9	21.1
Piping Connection	Liquid		mm (inch)	Ø6.35 (1/4)	Ø6.35 (1/4)	Ø6.35 (1/4)	Ø6.35 (1/4)
	Gas		mm (inch)	Ø9.52 (3/8)	Ø9.52 (3/8)	Ø12.7 (1/2)	Ø12.7 (1/2)
<b>List Price - Indoor Unit</b>			<b>£</b>	<b>£387.00</b>	<b>£397.00</b>	<b>£461.00</b>	<b>£554.00</b>
Decoration Panel	Model			PT-QAGW0	PT-QAGW0	PT-QAGW0	PT-AAGW0
	Color			White (9003)	White (9003)	White (9003)	White (9003)
	Dimensions	W x H x D	mm	620 x 35 x 620	620 x 35 x 620	620 x 35 x 620	950 x 35 x 950
	Weight		kg	2.9	2.9	2.9	7.1
<b>List Price - Decoration Panel</b>			<b>£</b>	<b>£127.00</b>	<b>£127.00</b>	<b>£127.00</b>	<b>£144.00</b>

☐ Dual vane is applied to 24k

☐ This product contains Fluorinated greenhouse gases (R32).

☐ For our policy of continuous product improvement, specification, design and features are subject to change without prior notice.

# CEILING MOUNTED CASSETTE (1 WAY)



Dual Inverter  
COMPRESSOR



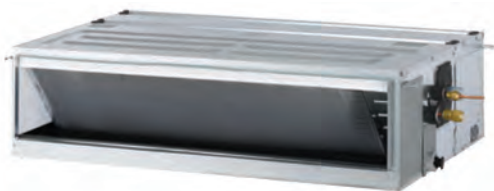
LG participates in the ECP programme for EUROVENT VRF program. Check ongoing validity of certification : [www.eurovent-certification.com](http://www.eurovent-certification.com)

## 1 Way Cassette

INDOOR				MT09R NU1	MT11R NU1
Capacity	Cooling / Heating	Nom.	kW	2.6 / 2.9	3.5 / 3.9
Power Input		Nom.	W	20	20
Running Current		Nom.	A	0.2	0.2
Power Supply			Ø / V / Hz	1 / 220-240 / 50	1 / 220-240 / 50
Air Flow Rate		H / M / L	m <sup>3</sup> /min	7.5 / 7.3 / 6.8	8.1 / 7.4 / 7.0
Sound Pressure	Cooling	H / M / L	dB(A)	36 / 34 / 32	37 / 36 / 33
Sound Power	Cooling	Max.	dB(A)	54	57
Dehumidification Rate			l/h	1.1	1.2
Dimensions	Body	W x H x D	mm	860 x 132 x 450	860 x 132 x 450
Net Weight	Body		kg	13.5	13.5
Piping Connection	Liquid		mm (inch)	Ø6.35 (1/4)	Ø6.35 (1/4)
	Gas		mm (inch)	Ø9.52 (3/8)	Ø9.52 (3/8)
<b>List Price - Indoor Unit</b>			<b>£</b>	<b>£469.00</b>	<b>£493.00</b>

Decoration Panel	Model			
		PT-UAHW0	<b>£132.00</b>	<b>£132.00</b>
		PT-UAHGO	<b>£186.00</b>	<b>£186.00</b>
		PT-UPHGO	<b>£132.00</b>	<b>£132.00</b>

# CEILING CONCEALED DUCT



Dual Inverter  
COMPRESSOR



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INDOOR				CM18F N10	CM24F N10
Capacity	Cooling / Heating	Nom.	kW	5.3 / 5.8	7.0 / 7.7
Power Input		H / M / L	W	150 / 130 / 110	180 / 150 / 130
Running Current		H / M / L	A	0.85 / 0.76 / 0.67	0.98 / 0.85 / 0.76
Power Supply			Ø / V / Hz	1 / 220-240 / 50	1 / 220-240 / 50
Air Flow Rate		H / M / L	m <sup>3</sup> /min	16.5 / 14.5 / 13.0	18.0 / 16.5 / 14.5
Sound Pressure		H / M / L	dB(A)	34 / 32 / 30	35 / 34 / 32
Sound Power Level		Rated	dB(A)	59	60
Dehumidification Rate			l/h	1.5	2.5
Dimensions		W x H x D	mm	900 x 270 x 700	900 x 270 x 700
Net Weight			kg	24.6	24.6
Piping Connections	Liquid Side		mm (inch)	Ø6.35 (1/4)	Ø9.52 (3/8)
	Gas Side		mm (inch)	Ø12.7 (1/2)	Ø15.88 (5/8)
External static pressure	Min. - Max.		Pa (mmAq)	58.8 (6)	58.8 (6)
<b>List Price - Indoor Unit</b>			<b>£</b>	<b>£565.00</b>	<b>£635.00</b>

ⓘ This product contains Fluorinated greenhouse gases (R32).

ⓘ S : Sleep / L : Low / M : Medium / H : High

ⓘ GWP : Global warming potential

ⓘ t-CO<sub>2</sub>eq : F-gas(kg)\*GWP/1000



# CEILING CONCEALED DUCT



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## Duct (Low Static)

INDOOR				CL09F N50	CL12F N50	CL18F N60
Capacity	Cooling / Heating	Nom.	kW	2.5 / 3.2	3.4 / 4.0	5.0 / 5.8
Power Input		H / M / L	W	21 / 15 / 13	21 / 15 / 13	100 / 90 / 80
Running Current		H / M / L	A	0.21 / 0.16 / 0.14	0.21 / 0.16 / 0.14	0.43 / 0.39 / 0.34
Power Supply			∅ / V / Hz	1 / 220-240 / 50	1 / 220-240 / 50	1 / 220-240 / 50
Air Flow Rate		H / M / L	m <sup>3</sup> /min	11.5 / 9.5 / 8.0	11.5 / 9.5 / 8.0	15.0 / 12.0 / 10.0
Sound Pressure		H / M / L	dB(A)	35 / 30 / 27	35 / 30 / 27	34 / 31 / 29
Sound Power Level		Rated	dB(A)	55	55	56
Dehumidification Rate			l/h	0.5	0.9	1.7
Dimensions		W x H x D	mm	900 x 190 x 460	900 x 190 x 460	1,100 x 190 x 460
Net Weight			kg	18.0	18.0	20.9
Piping Connections	Liquid Side		mm (inch)	∅ 6.35 (1/4)	∅ 6.35 (1/4)	∅ 6.35 (1/4)
	Gas Side		mm (inch)	∅ 9.52 (3/8)	∅ 9.52 (3/8)	∅ 12.7 (1/2)
External static pressure	Min. ~ Max.		Pa (mmAq)	0 - 5 (0 - 50)	0 - 5 (0 - 50)	0 - 5 (0 - 50)
<b>List Price - Indoor Unit</b>			<b>£</b>	<b>£385.00</b>	<b>£410.00</b>	<b>£446.00</b>

# CEILING CONCEALED DUCT



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## Duct (Low Static)

INDOOR				CL24F N30
Capacity	Cooling / Heating	Nom.	kW	6.8 / 7.5
Power Input		H / M / L	W	150 / 130 / 110
Running Current		H / M / L	A	0.65 / 0.56 / 0.47
Power Supply			∅ / V / Hz	1 / 220-240 / 50
Air Flow Rate		H / M / L	m <sup>3</sup> /min	20.0 / 16.0 / 12.0
Sound Pressure		H / M / L	dB(A)	39 / 35 / 32
Sound Power Level		Rated	dB(A)	58
Dehumidification Rate			l/h	2.5
Dimensions		W x H x D	mm	1,100 x 190 x 700
Net Weight			kg	26.0
Piping Connections	Liquid Side		mm (inch)	∅ 9.52 (3/8)
	Gas Side		mm (inch)	∅ 15.88 (5/8)
External static pressure	Min. ~ Max.		Pa (mmAq)	0 - 5 (0 - 50)
<b>List Price - Indoor Unit</b>			<b>£</b>	<b>£521.00</b>

ⓘ This product contains Fluorinated greenhouse gases (R32).

ⓘ For our policy of continuous product improvement, specification, design and features are subject to change without prior notice.

# OUTDOOR UNITS



OUTDOOR				MU5M40 U44
Compressor	Type			Scroll
Capacity*	Cooling	Min. / Nom. / Max.	kW	1.3 / 11.2 / 14.7
	Heating	Min. / Nom. / Max.	kW	1.5 / 12.5 / 16.0
Low Temperature Capacity	Heating -7°C	Max.	kW	11.0
Power Input*	Cooling	Min. / Nom. / Max.	kW	0.4 / 3.3 / 5.5
	Heating	Min. / Nom. / Max.	kW	0.4 / 3.8 / 5.6
Running Current*	Cooling	Min. / Nom. / Max.	A	1.8 / 14.9 / 24.9
	Heating	Min. / Nom. / Max.	A	1.9 / 17.0 / 25.4
EER				3.40
COP				3.33
SEER				7.10
SCOP				4.00
Pdesign (@-10°C)			kW	8.90
Season Energy Label	Cooling / Heating (A+++ to D Scale)			A++ / A+
Annual Energy Consumption	Cooling / Heating			552 / 3,114
Airflow Rate		Nom.	m³/min	80
Sound Pressure Level	Cooling	Nom.	dB(A)	53
	Heating	Nom.	dB(A)	55
Sound Power Level	Cooling	Max.	dB(A)	67
Dimensions	W x H x D			950 x 834 x 330
Net Weight				73
Refrigerant	Type			R410A
	Charge		kg	3.4
	Additional Charge		g/m	20
	GWP			2087.5
	t-CO <sub>2</sub> eq			7.098
Operation Range (Outdoor)	Cooling	Min. / Max.	°C DB	-10 / 48
	Heating	Min. / Max.	°C WB	-25 / 18
Power Supply				1 / 220-240 / 50
Power Supply Cable				3C x 4.0
Transmission Cable				4C x 0.75
Circuit Breaker				40
Piping Length Total				85
Piping Length per Branch		Max.	m	25
Piping Elevation Difference	IDU - ODU	Max.	m	15
	IDU - IDU	Max.	m	7.5
Piping Connection	Liquid		mm (inch) x No.	Ø6.35 (1/4) x 5
	Gas		mm (inch) x No.	Ø9.52 (3/8) x 5
<b>List Price - Outdoor Unit</b>				<b>£2,114.00</b>

For our policy of continuous product improvement, specification, design and features are subject to change without prior notice.

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

Cooling : - Indoor Temperature 27°C (80.6°F) DB / 19°C (66.2°F) WB - Outdoor Temperature 35°C (95°F) DB / 24°C (75.2°F) WB

Heating : - Indoor Temperature 20°C (68°F) DB / 15°C (59°F) WB - Outdoor Temperature 7°C (44.6°F) DB / 6°C (42.8°F) WB

Piping Length - Interconnecting Piping Length 7.5m - Level Difference of Zero.

2. \* : See page "Combination Table".

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

4. At least two indoor units should be connected.

5. Minimum combination capacity rate should be more than 40%.

6. This product contains fluorinated greenhouse gases. (R410A)

# OUTDOOR UNITS



OUTDOOR				FM40AH U34	FM48AH U34	FM56AH U34
Compressor	Type	-		Scroll	Scroll	Scroll
Capacity*	Cooling	Min. / Nom. / Max.	kW	2.8 / 12.3 / 15.4	3.3 / 14.1 / 17.0	4.0 / 15.5 / 18.5
	Heating	Min. / Nom. / Max.	kW	3.1 / 13.5 / 16.2	3.7 / 16.0 / 17.3	4.5 / 17.4 / 18.8
Low Temperature Capacity	Heating	Max.	kW	12.5	14.5	15.5
Power Input*	Cooling	Min. / Nom. / Max.	kW	0.82 / 2.42 / 4.90	0.96 / 3.12 / 5.30	1.18 / 3.87 / 5.60
	Heating	Min. / Nom. / Max.	kW	0.89 / 2.87 / 5.10	1.06 / 3.76 / 5.40	1.29 / 4.34 / 5.80
Running Current*	Cooling	Min. / Nom. / Max.	A	3.7 / 11.0 / 22.2	4.4 / 14.1 / 24.0	5.3 / 17.5 / 25.4
	Heating	Min. / Nom. / Max.	A	4.0 / 13.0 / 23.1	4.8 / 17.0 / 24.5	5.9 / 19.7 / 26.3
EER				5.08	4.51	4.01
COP				4.70	4.25	4.01
SEER				7.40	7.20	6.90
SCOP				4.20	4.20	4.20
Pdesign(@-10°C)				8.6	9.5	9.5
Seasonal Energy Label (A++ to E Scale)	Cooling / Heating	-		- / -	- / -	- / -
Annual Energy Consumption	Cooling / Heating	kWh		981 / 2,867	1,167 / 3,167	1,348 / 3,167
Air Flow Rate	Nom.	m <sup>3</sup> /min x No.		110	110	110
Sound Pressure Level	Cooling	Nom.	dB(A)	51	53	53
	Heating	Nom.	dB(A)	53	55	55
Sound Power Level	Cooling	Max.	dB(A)	69	71	73
	Heating	Max.	dB(A)	70	72	74
Dimensions	W x H x D	mm		950 x 1,380 x 330	950 x 1,380 x 330	950 x 1,380 x 330
Net Weight			kg	87	87	87
Refrigerant	Type	-		R410A	R410A	R410A
	Charge	kg		4,200	4,200	4,200
	Additional Charging Volume	g/m		20	20	20
	GWP (Global Warming Potential)	-		2,087.5	2,087.5	2,087.5
	t-CO <sub>2</sub> eq	-		8.768	8.768	8.768
Operation Range (Outdoor)	Cooling	Min. / Max.	°C DB	-10 / 48	-10 / 48	-10 / 48
	Heating	Min. / Max.	°C WB	-25 / 18	-25 / 18	-25 / 18
Power Supply			Ø / V / Hz	1 / 220-240 / 50	1 / 220-240 / 50	1 / 220-240 / 50
Power Supply Cable			No. x mm <sup>2</sup>	3C x 4.0	3C x 4.0	3C x 4.0
Transmission Cable	ODU-BD	No. x mm <sup>2</sup>		4C x 1.25	4C x 1.25	4C x 1.25
	BD-IDU	No. x mm <sup>2</sup>		4C x 0.75	4C x 0.75	4C x 0.75
Circuit Breaker			A	40	40	40
Max Piping Length	Total Piping (Main+Total Branch)		m	125	135	145
	Main Piping		m	55	55	55
	Total Branch Piping		m	70	80	90
	Each Branch Piping		m	15	15	15
Piping Elevation Difference	IDU-ODU	Max.	m	30	30	30
	IDU-IDU	Max.	m	15	15	15
Piping Connections	Liquid	mm (inch) x No.		Ø9.52 x 1	Ø9.52 x 1	Ø9.52 x 1
	Gas	mm (inch) x No.		Ø19.05 x 1	Ø19.05 x 1	Ø19.05 x 1
<b>List Price - Outdoor Unit</b>			<b>£</b>	<b>£2,920.00</b>	<b>£3,356.00</b>	<b>£3,859.00</b>

For our policy of continuous product improvement, specification, design and features are subject to change without prior notice.

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

Cooling :- Indoor Temperature 27°C (80.6°F) DB / 19°C (66.2°F) WB - Outdoor Temperature 35°C (95°F) DB / 24°C (75.2°F) WB

Heating :- Indoor Temperature 20°C (68°F) DB / 15°C (59°F) WB - Outdoor Temperature 7°C (44.6°F) DB / 6°C (42.8°F) WB

Piping Length - Interconnecting Piping Length 7.5m - Level Difference of Zero.

2. \* : See page "Combination Table".

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

4. At least two indoor units should be connected.

5. Minimum combination capacity rate should be more than 40%.

6. This product contains fluorinated greenhouse gases. (R410A)

# OUTDOOR UNITS



OUTDOOR				FM41AH U34	FM49AH U34	FM57AH U34
Compressor	Type	-		Scroll	Scroll	Scroll
Capacity*	Cooling	Min. / Nom. / Max.	kW	2.8 / 12.3 / 15.4	3.3 / 14.1 / 17.0	4.0 / 15.5 / 18.5
	Heating	Min. / Nom. / Max.	kW	3.1 / 13.5 / 16.2	3.7 / 16.0 / 17.3	4.5 / 17.4 / 18.8
Low Temperature Capacity	Heating	Max.	kW	12.5	14.5	15.5
Power Input*	Cooling	Min. / Nom. / Max.	kW	0.82 / 2.42 / 4.90	0.96 / 3.12 / 5.30	1.18 / 3.87 / 5.60
	Heating	Min. / Nom. / Max.	kW	0.89 / 2.87 / 5.10	1.06 / 3.76 / 5.40	1.29 / 4.34 / 5.80
Running Current*	Cooling	Min. / Nom. / Max.	A	1.2 / 3.6 / 7.4	1.4 / 4.7 / 8.0	1.8 / 5.8 / 8.4
	Heating	Min. / Nom. / Max.	A	1.3 / 4.3 / 7.7	1.6 / 5.7 / 8.1	1.9 / 6.5 / 8.7
EER				5.08	4.51	4.01
COP				4.70	4.25	4.01
SEER				7.40	7.20	6.90
SCOP				4.20	4.20	4.20
Pdesign(@-10°C)	kW			8.6	9.5	9.5
Seasonal Energy Label (A++ to E Scale)	Cooling / Heating	-		- / -	- / -	- / -
Annual Energy Consumption	Cooling / Heating	kWh		981 / 2,867	1,167 / 3,167	1,348 / 3,167
Air Flow Rate	Nom.	m <sup>3</sup> /min x No.		110	110	110
Sound Pressure Level	Cooling	Nom.	dB(A)	51	53	53
	Heating	Nom.	dB(A)	53	55	55
Sound Power Level	Cooling	Max.	dB(A)	69	71	73
	Heating	Max.	dB(A)	70	72	74
Dimensions	W x H x D		mm	950 x 1,380 x 330	950 x 1,380 x 330	950 x 1,380 x 330
Net Weight			kg	87	87	87
Refrigerant	Type	-		R410A	R410A	R410A
	Charge	kg		4,200	4,200	4,200
	Additional Charging Volume	g/m		20	20	20
	GWP (Global Warming Potential)	-		2,087.50	2,087.50	2,087.50
	t-CO <sub>2</sub> eq	-		8.768	8.768	8.768
Operation Range (Outdoor)	Cooling	Min. / Max.	°C DB	-10 / 48	-10 / 48	-10 / 48
	Heating	Min. / Max.	°C WB	-25 / 18	-25 / 18	-25 / 18
Power Supply			Ø / V / Hz	3 / 380-415 / 50	3 / 380-415 / 50	3 / 380-415 / 50
Power Supply Cable			No. x mm <sup>2</sup>	5C x 2.5	5C x 2.5	5C x 2.5
Transmission Cable	ODU-BD	No. x mm <sup>2</sup>		4C x 1.25	4C x 1.25	4C x 1.25
	BD-IDU	No. x mm <sup>2</sup>		4C x 0.75	4C x 0.75	4C x 0.75
Circuit Breaker			A	20	20	20
Max Piping Length	Total Piping (Main+Total Branch)		m	125	135	145
	Main Piping		m	55	55	55
	Total Branch Piping		m	70	80	90
	Each Branch Piping		m	15	15	15
Piping Elevation Difference	IDU-ODU	Max.	m	30	30	30
	IDU-IDU	Max.	m	15	15	15
Piping Connections	Liquid	mm (inch) x No.		Ø9.52 x 1	Ø9.52 x 1	Ø9.52 x 1
	Gas	mm (inch) x No.		Ø19.05 x 1	Ø19.05 x 1	Ø19.05 x 1
<b>List Price - Outdoor Unit</b>			<b>£</b>	<b>£3,066.00</b>	<b>£3,521.00</b>	<b>£4,053.00</b>

For our policy of continuous product improvement, specification, design and features are subject to change without prior notice.

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

Cooling: - Indoor Temperature 27°C (80.6°F) DB / 19°C (66.2°F) WB - Outdoor Temperature 35°C (95°F) DB / 24°C (75.2°F) WB

Heating: - Indoor Temperature 20°C (68°F) DB / 15°C (59°F) WB - Outdoor Temperature 7°C (44.6°F) DB / 6°C (42.8°F) WB

Piping Length - Interconnecting Piping Length 7.5m - Level Difference of Zero.

2. \* : See page "Combination Table".

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

4. At least two indoor units should be connected.

5. Minimum combination capacity rate should be more than 40%.

6. This product contains fluorinated greenhouse gases. (R410A)

# CEILING & FLOOR CONVERTIBLE



## Ceiling & Floor Convertible

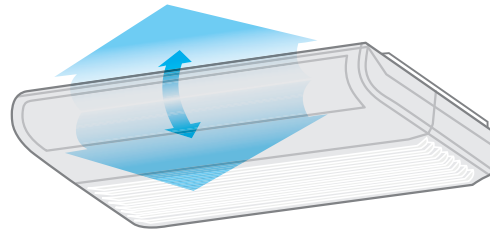
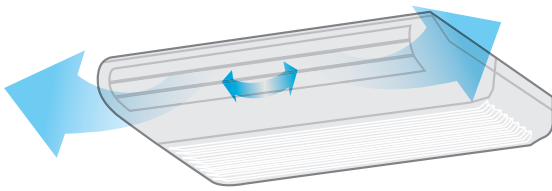
INDOOR				CV09 NE3	CV12 NE2
Capacity	Cooling / Heating	Nom.	kW	2.6 / 2.9	3.5 / 3.9
Power Input		Nom.	W	30	40
Running Current		Nom.	A	0.4	0.4
Power Supply			Ø / V / Hz	1 / 220-240 / 50	1 / 220-240 / 50
Air Flow Rate		H / M / L	m <sup>3</sup> /min	7.6 / 6.9 / 6.2	9.2 / 7.6 / 6.6
Sound Pressure	Cooling	H / M / L	dB(A)	38 / 35 / 32	40 / 36 / 31
Sound Power	Cooling	Max.	dB(A)	52	56
Dehumidification Rate			l/h	1.2	1.2
Dimensions	Body	W x H x D	mm	900 x 490 x 200	900 x 490 x 200
Net Weight	Body		kg	13.7	13.7
Piping Connection	Liquid		mm (inch)	Ø6.35 (1/4)	Ø6.35 (1/4)
	Gas		mm (inch)	Ø9.52 (3/8)	Ø9.52 (3/8)
List Price - Indoor Unit			£	£405.00	£581.00

## Air Flow Direction Control

Vertical air flow direction can be adjusted using remote controller, and horizontal airflow direction can be adjusted manually.

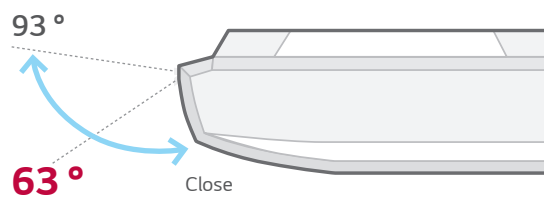
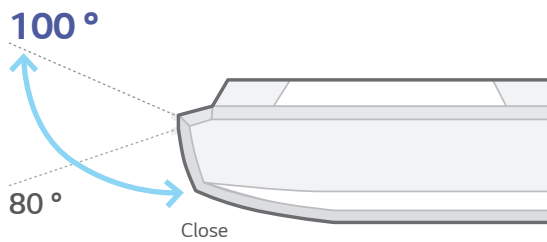
### Horizontal

### Air flow



### Cooling

### Heating



# MULTI SPLIT SYSTEMS ACCESSORIES

## Distributor Box - **PMBD3620, PMBD3630, PMBD3640**

Easy installation using the range of Distributor Boxes.

For	2 Indoors	3 Indoors	4 Indoors
Distributor	 PMBD3620	 PMBD3630	 PMBD3640

### Features

- Distribution of refrigerant to various indoor units.
- 3 models (2, 3, 4 Indoor Units)
- EEV included
- Controlling PCB inside the unit
- Internally insulated (Prevents any chances of drainage)
- Flare joints for easy and clean installation
- Compact design (Low height)
- Flexible installation



No Brazing



Just Flaring

### Specification

BRANCH DISTRIBUTION BOX		PMBD3620	PMBD3630	PMBD3640
Connectable Indoor Units	Number of Indoor Units Capacity	1 ~ 2 5k / 7k / 9k / 12k / 18k / 24k	1 ~ 3 5k / 7k / 9k / 12k / 18k / 24k	1 ~ 4 5k / 7k / 9k / 12k / 18k / 24k
Power Source	V, Ø, Hz	220-240, 1, 50	220-240, 1, 50	220-240, 1, 50
Power Consumption	W	10	10	10
Running Current	A	0.05	0.05	0.05
Dimensions	W x H x D mm(inch)	302 x 143 x 252 (11.9 x 5.6 x 9.9)	302 x 143 x 252 (11.9 x 5.6 x 9.9)	302 x 143 x 252 (11.9 x 5.6 x 9.9)
Net Weight	kg/lb	4.8 / 10.6	4.9 / 10.8	5 / 11
Piping Connection (To Outdoor Unit)	Liquid mm(inch)	Ø9.52 (3/8)	Ø9.52 (3/8)	Ø9.52 (3/8)
	Gas mm(inch)	Ø19.05 (3/4)	Ø19.05 (3/4)	Ø19.05 (3/4)
Piping Connection (To Indoor Unit)	Liquid mm(inch)	Ø6.35 (1/4) x 2EA	Ø6.35 (1/4) x 3EA	Ø6.35 (1/4) x 4EA
	Gas mm(inch)	Ø9.52 (3/8) x 2EA	Ø9.52 (3/8) x 3EA	Ø9.52 (3/8) x 4EA
Accessories	Hanger (Bracket)	EA	4	4
	Screw	EA	8	8
	Manual	EA	1	1
Price List	£	<b>£257.00</b>	<b>£315.00</b>	<b>£414.00</b>

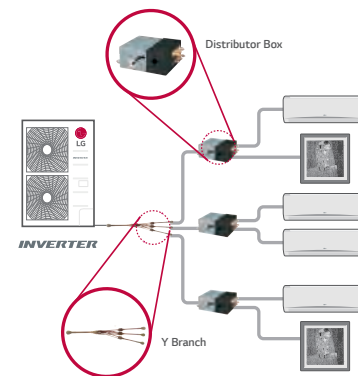
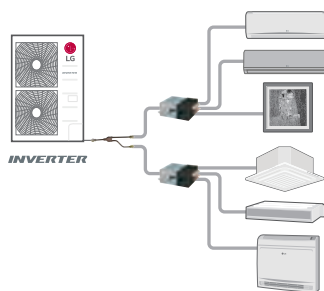
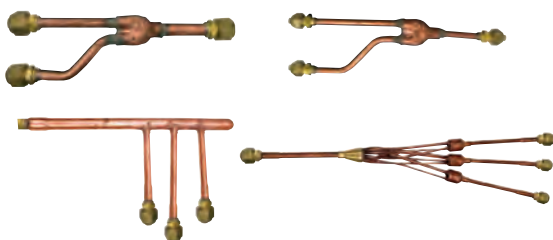
For our policy of continuous product improvement, specification, design and features are subject to change without prior notice.

Note : 1. The piping connection must be suit the piping sizes of the indoor unit which will be connected. (If need, use the connector which is included in the indoor unit)

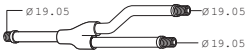
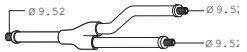
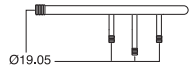
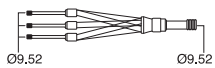
2. The BD should be installed inside the building.

## Y Branch and Branch Kit **PMBL5620 (2 units) / PMBL1203F0 (3 units)**

- Y Branch and Branch kit makes the Multi FDX installation much easier.
- Y Branch and Branch kit for both gas and liquid are provided.
- Insulation material is also provided for covering the branches.










### Accessory Model Name

MODEL NAME	NO. OF BRANCH DISTRIBUTION UNITS	APPLICABLE MODEL	SPECIFICATION	
			GAS	LIQUID
PMBL5620 - <b>£140.00</b>	2 Units	1Ø, 3Ø		
PMBL1203F0 - <b>£201.00</b>	3 Units	1Ø, 3Ø		
Piping	Y Branch / Branch Kit	Multi FDX	PMBL3620	<b>£128.00</b>







# CONTROLLERS

Individual Controller Name	Wired Remote Controller					Wireless Remote Controller	Wi-Fi Controller
	Premium	Standard III	Standard II	Simple	Simple(Hotel)		
Model Name							
	PREMTA000 PREMTA000A PREMTA000B	PREMTB100 PREMTBB10	PREMTB001 PREMTBB01	PQRCVCL0Q PQRCVCL0QW	PQRCHCA0Q PQRCHCA0QW	PWLSSB21H (H/P)	PWFMD200
List Price £	<b>£237.00</b>	<b>£157.00</b>	<b>£100.00</b>	<b>£119.00</b>	<b>£119.00</b>	<b>£78.00</b>	<b>£216.00</b>
On / Off	o	o	o	o	o	o	o
Fan Speed Control	o	o	o	o	o	o	o
Temperature Setting	o	o	o	o	o	o	o
Mode Change	o	o	o	o	-	o	o
Auto Swing	o	o	o	o	o	o	o
Vane Control (Louver Angle)	o	o	o	o	o	o	o
E.S.P(External Static Pressure)	o	o	o	o	o	-	-
Electric Failure Compensation	o	o	o	o	o	-	o
Indoor Temperature Display	o	o	o	o	o	-	-
ALL Button Lock (Child Lock)	o	o	o	o	o	-	-
Schedule / Timer	Weekly-Yearly	Weekly-Yearly	Weekly	-	-	Sleep / On / Off	Weekly
Additional Mode Setting <sup>1)</sup>	o	o	o	-	-	-	-
Time Display	o	o	o	-	-	o	-
Humid. Display	o	o	-	-	-	-	-
Advanced Lock	Advanced Lock	Advanced Lock	-	-	-	-	-
Filter Sign	o	o	o	-	-	-	-
Energy Management <sup>2)</sup>	o	o	o	-	-	-	-
Dual Set Point	o	o	-	-	-	-	-
Human Detection	-	o	-	-	-	-	-
Temp. Humidity Compensation	o	o	-	-	-	-	-
Wi-Fi AP Mode Setting	o	o	o	o	o	o	-
Operation Status LED	o	o	o	o	o	-	-
Wireless Remote ControllerReceiver	o <sup>3)</sup>	-	o <sup>3)</sup>	o <sup>3)</sup>	o <sup>3)</sup>	-	-
Display	5 inch Color	4.3 inch Color	4.3 inch mono	2.6 inch mono	2.6 inch mono	2 inch mono	-
Size (W x H x D, mm)	137 x 121 x 16.5	120 x 120 x 16	120 x 120 x 16	64 x 120 x 15	64 x 120 x 15	51 x 153 x 26	-
Black Light Control for Screen Saver	o	o	-	-	-	-	-

o : Applied, - : Not Applied

1) Except for some feature (individual lock, limit, temp., etc.) | 2) Except for some feature (user mode, additional function, etc.) | 3) ACP 5 or AC Smart 5 is required | 4) This function is possible to use in Web Only (BMS Point is not applied) | 5) Without additional device, ACP 5 and AC Smart 5 provide BACnet IP and Modbus TCP interface for BMS | 6) Save to PC / USB function will be available from 4Q 2020

Centralised Controller Name	AC Ez	AC Ez Touch	AC Smart 5 <sup>5)</sup>	ACP 5 <sup>5)</sup>	AC Manager 5 <sup>3)</sup>
Model Name					
	PQCSZ250S0	PACEZA000	PACSSA000	PACPSA000	PACMSA000
List Price £	<b>£808.00</b>	<b>£1,794.00</b>	<b>£3,783.00</b>	<b>£3,176.00</b>	<b>£4,815.00</b>
DO	-	-	2	4	-
DI	-	1	2	10	-
Product	IDUs	64	128	256	8,192
Max. Connectable No.	A/C + ERV	64	128	256	8,192
	AHU	64	128	256	8,192
	Chiller	-	16	16	16x32
		-	5 Optional <sup>2)</sup>	10 Optional <sup>2)</sup>	10x32
Compatibility	Air Conditioner	o <sup>1)</sup>	o	o	o
	Ventilation (ERV / ERV DX)	o <sup>2)</sup>	o	o	o
	Heating	o	o	o	o
	AHU	-	o	o	o
	Chiller	-	o <sup>4)</sup>	o <sup>4)</sup>	o
	ACS IO	-	o <sup>4)</sup>	o <sup>4)</sup>	o
Additional Function	Add Drawing	-	o <sup>4)</sup>	o <sup>4)</sup>	o
	Group Management	-	o <sup>4)</sup>	o <sup>4)</sup>	o
	Auto Changer Over	-	o <sup>4)</sup>	o <sup>4)</sup>	o
	Set Back	o	o <sup>4)</sup>	o <sup>4)</sup>	o
	2 Set	-	o	o	o
	Change Alarm	-	Filter	Filter	Filter
	Indoor Unit Lock	-	o	o	-
	Cycle	-	o	o	o
Schedule	o	o	o <sup>4)</sup>	o <sup>4)</sup>	o
Auto Control	Peak Control	Priority Control	o	o	o
		Outdoor Unit Capacity Control	o <sup>4)</sup>	o <sup>4)</sup>	o
	Time limit control	-	o <sup>4)</sup>	o <sup>4)</sup>	o
	InterLocking	-	o <sup>4)</sup>	o <sup>4)</sup>	o
Energy Navigation	-	-	o <sup>4)</sup>	o <sup>4)</sup>	o
Energy Report	Power	-	o	o	o
	Gas	-	o	o	o
	Run time	-	o <sup>4)</sup>	o <sup>4)</sup>	o
	Email	-	-	-	-
	PC / USB	-	o <sup>4)</sup>	PC	PC
Trend Reporting	-	-	-	-	o
History	Report (Control / Error)	Error	o <sup>4)</sup>	o <sup>4)</sup>	o
	Send Email	-	o <sup>4)</sup>	o <sup>4)</sup>	o
	Save to PC / USB <sup>6)</sup>	-	-	-	-

1) It might not be indicated or operated at the partial product

2) Centralised control (PACEZA000 / PACSSA000 / PACPSA000) and PDI (PQNUD1S40 / PPWRDB000) should be installed for this function

3) For ceiling type duct

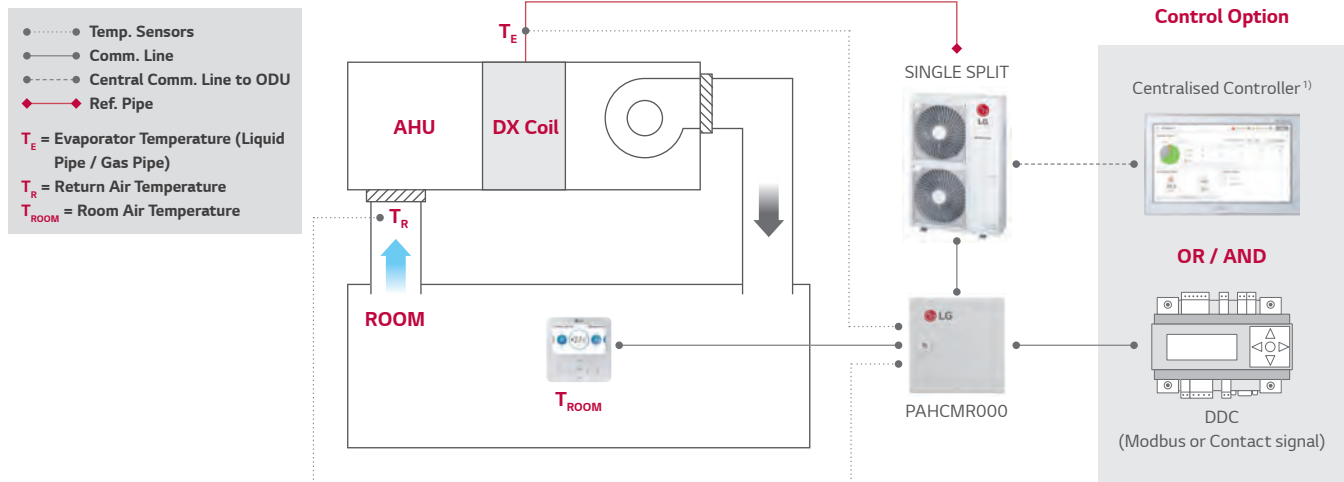
Note: 1. Indoor unit should have functions requested by the controller

2. If you need more detail, please refer to the manual of product. (<http://partner.lge.com/uk: Home > DocLibrary > Manual>)

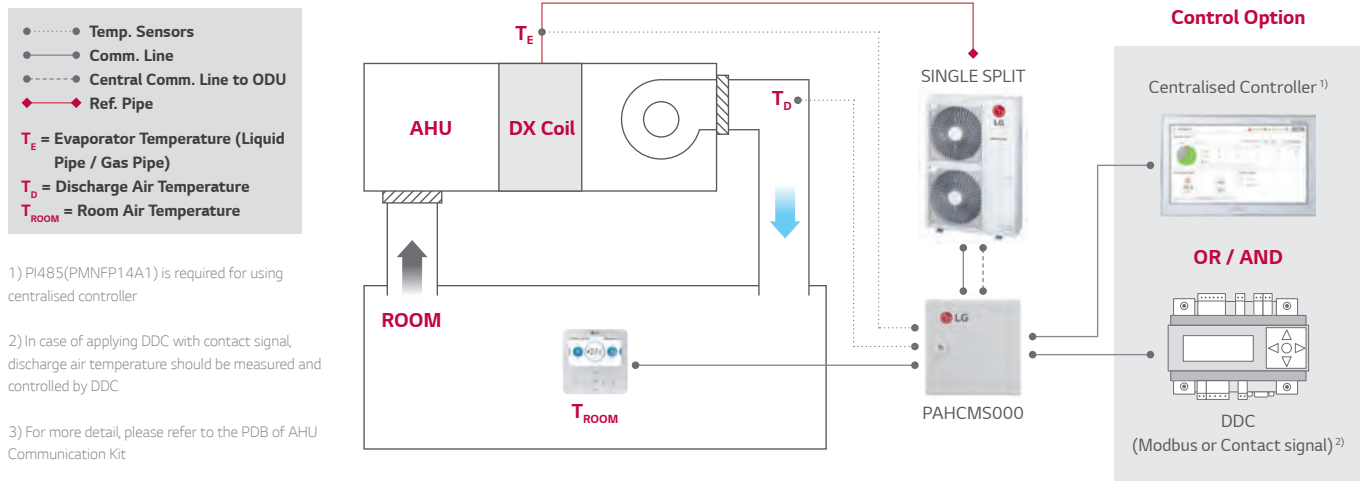
# AHU COMBINATION AND APPLICATIONS

Economically feasible solution for pair application with air handling units.

## Return/Room Air Temperature Control



## Discharge Air Temperature Control



1) PI485(PMNF14A1) is required for using centralised controller

2) In case of applying DDC with contact signal, discharge air temperature should be measured and controlled by DDC

3) For more detail, please refer to the PDB of AHU Communication Kit

## Communication Kit

FUNCTION LIST*		PAHCMR000	PAHCMS000	NOTE
Price	£	£702.00	£1,143.00	
		Return / Room air temperature control by DDC or LG individual / centralised controller	Discharge air temperature control by DDC or LG individual / centralised controller	Dimensions (mm) W x H x D 300 x 300 x 155
Control	Comm. Kit Operation	On / Off	On / Off	
	Operation Mode <sup>1)</sup>	Cooling / Heating	Cooling / Heating	
	Return (room) Air Temperature	16-30°C	-	
	Discharge Air Temperature <sup>2)</sup>	-	16-30°C	Available in case of using DDC with Modbus or LG Control system
	Fan Speed <sup>3)</sup>	Low / Middle / High	Low / Middle / High	It may not be possible depending on the particular condition
Monitor	Forced Thermal On / Off	On / Off	-	Available in case of using DDC with contact signal
	Capacity Control	-	-	Available in case of using DDC with Modbus or contact signal
	Comm. Kit Operation	On / Off	On / Off	
	Operation Mode <sup>1)</sup>	Cooling / Heating	Cooling / Heating	Available in case of using DDC with Modbus or LG Control system
	Fan Speed	Low / Middle / High	Low / Middle / High	
	Error Alarm	.	.	
	Compressor On / Off	On / Off	On / Off	Available in case of using DDC with Modbus or LG individual controller PAHCMR000 doesn't provide this in case of using DDC with contact signal

1) Available operation mode can be varied depending on the setting of AHU Communication Kit. 2) This range may differ depending on the type of controller 3) To control and monitor the fan speed, DO ports for the fan speed status have to be connected with the fan unit \* Some of functions may not be possible depending on the setting of AHU Communication Kit. For more details of condition, please refer to the product data book

		R32			R410A	
Model Name		UUA1.U10	UUB1.U20	UUC1.U40	UUD1.U30 UUD3.U30	UU70W.U34 UU85W.U74
Capacity Index	kBtu/h	9 - 18	18 - 30	24 - 36	36 - 60	70
Range	kW	2.5 - 5.0	5.0 - 8.0	6.8 - 10.0	10.0 - 14.6	20.0
PAHCMR000		X	0	0	0	0
PAHCMS000		X	0	0	0	0

# ACCESSORIES

## AHU Kits

### Control Application Kit

Type	Model	Price £	Dimensions (mm)			Power Supply	IP Rating	Description
			W	H	D			
Communication Kit	PAHCMR000	<b>£702.00</b>	300	300	155	1Φ, 220-240 V, 50/60 Hz	IP66	Return / Room air temperature control by DDC or LG individual / centralised controller.
	PAHCMS000	<b>£1,143.00</b>	380	300	155	1Φ, 220-240 V, 50/60 Hz	IP66	Discharge air / Supply air temperature control by DDC or LG individual / centralised controller
Controller Module	PAHCMM000	<b>£749.00</b>	162	90	61	DC 12V	IP20	Main Controller module
	PAHCMC000	<b>£278.00</b>	108	90	61	DC 12V	IP20	Communication Controller module
Control Kit	PAHCNM000	<b>£4,045.00</b>	500	500	210	1Φ, 220-240 V, 50/60 Hz		Various AHU control functions with multiple DX coils. (Maximum connectable ODU is 3 units)

### Expansion Application Kit

Type	Model	Price £	Dimensions (mm)			Pipe Diameter (mm)	Capacity Index Range
			W	H	D	Liquid	
EEV Kit	PRLK048A0	<b>£270.00</b>	217	404	83	12.7	3.6 ~ 28 kW
	PRLK096A0	<b>£299.00</b>	217	404	83	12.7	28.1 ~ 56 kW
	PRLK396A0	<b>£535.00</b>	349.5	345.5	180	19.05	56.1 ~ 112 kW
	PRLK594A0	<b>£749.00</b>	409.5	345.5	180	19.05	112.1 ~ 168 kW

## PI 485



MODEL NAME	PMNFP14A1 - FOR OUTDOOR UNIT
Price £	<b>£114.00</b>
Power	Single phase AC 220V 50/60Hz
Max no of IDU that can be connected	64 UNITS
Model applied	RAC / Multi / Single / Thermo V

MODEL NAME	PHNFP14A0 - FOR INDOOR UNIT
Price £	<b>£130.00</b>

## LG Wi-Fi Modem



PWFMD200

MODEL NAME	PWFMD200
Price £	<b>£216.00</b>
Size (W x H x D, mm)	48 x 68 x 14
Interfaceable Products	Single Indoor unit <sup>3)</sup>
Connection Type	Indoor unit 1:1
Communication Frequency	2.4 GHz
Wireless Standards	IEEE 802.11b/g/n
Mobile Application	LG Smart ThinQ (Android v4.1 (Jellybean) or higher, iPhone iOS 9.0 or higher)
Optional Extension Cable	PWYREW000 (10m extension)

LG Wifi Modem Extension Cable PWYREW000 **£110.00**

## LG MV



MODEL NAME	MOBILE - PLGMVW100
Price £	<b>£140.00</b>

MODEL NAME	LAPTOP - PRCTILO
Price £	<b>£277.00</b>

## Dry Contact



PDRYCB000

PDRYCB400



PDRYCB300

PDRYCB500

MODEL	PDRYCB000	PDRYCB400	PDRYCB300/320 <sup>1)</sup>	PDRYCB500
Price £	<b>£114.00</b>	<b>£157.00</b>	<b>£174.00</b>	<b>£174.00</b>
Contact Point	1 Control Point	2 Control Point	8 Control Point	Modbus RTU
Power Input	AC 220V from outside power source	DC 5V & 12V from indoor unit PCB	DC 5V & 12V from indoor unit PCB	DC 5V & 12 V from indoor unit PDB
Voltage / Non Voltage Input		•	•	
On / Off Control	•	•	•	•
Lock / Unlock	•	•	•	
Fan Speed Setting		•	•	•
Thermo Off		•	•	
Energy Saving		•		
Temperature Setting		•	•	•
Error Monitoring	•	•	•	•
Operation Monitoring	•	•	•	•

ODU Dry Contact	PQDSBCDVM0	<b>£239.00</b>
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Refer to each product PDB for applicable models

1) Can use a universal input port with PDRYCB320 model.



# SPLIT AND MULTI-SPLIT ACCESSORIES



PQNUD1S40 (Premium, 8 port). PPWRDB000 (Standard, 2 port)

MODEL NAME	PQNUD1S40	PPWRDB000
List Price £	<b>£1,771.00</b>	<b>£1,589.00</b>
Size (W x H x D, mm)	270 x 155 x 65	
Interfaceable Products	Air conditioner, ERV DX	
Maximum Number of Power Meters	EHP: 8 Watt meter GHP: 4 Watt meter / 4 Gas meter	EHP: 2 Watt meter GHP: 1 Watt meter / 1 Gas meter
Maximum Number of Indoor Units	MULTI V: 128	
Data Backup When Power Outage	o	
Power Input	PDI: AC 24V, Transformer: AC 220V	


	MODEL REFERENCE	LIST PRICE £
PI485 for AC Outdoor	PMNFP14A1	<b>£114.00</b>
PI485 for AC Indoor	PHNFP14A0	<b>£130.00</b>
Modbus Gateway for Outdoor	PMBUSB00A	<b>£1,072.00</b>
Variable Water Flow Control Kit	PWFCKN000	<b>£257.00</b>
SD Module	PVDATN000	<b>£126.00</b>
Cool/Heat Selector	PRDSBM	<b>£87.00</b>
Group Control Wire	PZCWRCG3	<b>£15.00</b>
Zone Controller	ABZCA	<b>£370.00</b>
Remote Temperature Sensor	PQRSTA0	<b>£40.00</b>

	MODEL REFERENCE	LIST PRICE £
IO Module	PVDSMN000	<b>£336.00</b>
Water Communication Module	PAHCMW000	<b>£497.00</b>
Remote Temperature Sensor	PQRSTA0	<b>£40.00</b>
Independent Power Module	PRGK024A0	<b>£149.00</b>
IR Receiver	PWLRVN000	<b>£57.00</b>
Refrigerant Leakage Detector	PRLDNVSO	<b>£99.00</b>
Auxiliary Heater Kit	PRARS1	<b>£83.00</b>
Auxiliary Heater Kit	PRARH1	<b>£83.00</b>

CASSETTE ACCESSORIES	MODEL REFERENCE	LIST PRICE £
Cassette Cover - DUAL Vane	PTDCM	<b>£262.00</b>
Cassette Cover	PTDCQ	<b>£186.00</b>
1 Way CST Panel Type	PT-UAHGO	<b>£186.00</b>
1 Way CST Panel Grille Type	PT-UAHWO	<b>£132.00</b>
1 Way CST Panel Grille Type	PT-TPHGO	<b>£132.00</b>
1 Way Air Purification Kit	PTAHTPO	<b>£117.00</b>
4 Way CST Panel	PT-QCHWO	<b>£140.00</b>
Human Detection Sensor	PTVSMAO	<b>£116.00</b>
Auto Elevation grille	PTEGMO	<b>£452.00</b>
Floor Temperature Sensor (Dual Vane)	PTFSMA0	<b>£139.00</b>
Plasma Kit	PTPKQ0	<b>£121.00</b>
Drain Pump Kit	ABDPG	<b>£160.00</b>
Drain Pump Kit	PBDP9	<b>£160.00</b>
Drain Pan	PRODX20	<b>£141.00</b>
Drain Pan	PRODX30	<b>£151.00</b>

MODEL	LIST PRICE £	DESCRIPTION
PT-AAGW0	<b>£144.00</b>	standard dual vane grille (950*950)
PT-AEGW0	<b>£662.00</b>	elevating dual vane grille (950*950)
PT-AFGW0	<b>£200.00</b>	floor temperature dual vane grille (950*950)
PT-QAGW0	<b>£127.00</b>	standard dual vane grille (620*620)

CO2 Sensor



AHCS100H0  
(Internal Type)

---

**£268.00**

SYNCHRO		
2 PMUB11A	3 PMUB111A	4 PMUB1111A
<b>£128.00</b>	<b>£139.00</b>	<b>£149.00</b>





## LG Electronics

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For continual product development, LG reserves the right to change specifications without notice.

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We advise that you check the latest Product Data Book [partner.lge.com/uk](http://partner.lge.com/uk).

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