LG AIR CONDITIONERS
Ducted Split System

Vitalising You & Your Environment

Enjoy Clean, Quiet, and Comfortable Air Conditioning with LG

Making you and your environment more comfortable

LG has a comprehensive range of air conditioning solutions designed to suit a wide range of buildings or spaces.

DUCTED SPLIT SYSTEM

LG has a range of ducted air conditioners to suit with most type of home or office.

Model Line-up

	Ducted Split System				Capacity (kW)	EER(W)/COP(W)
INVERTER	SLIM	Low Static		Indoor B18AWYNGMD	Cooling 5.1	3.09
				Outdoor B18AWYUGMD	Heating 6.0	3.30
		Mid Static		Indoor B24AWYNGMD	Cooling 7.1	3.57
				Outdoor B24AWYUGMD	Heating 8.1	3.54
				Indoor B36AWYNGMD	Cooling 10.0	3.09
				Outdoor B36AWYUGMD	Heating 11.2	3.33
	PREMIUM	High Static		Indoor B30AWYN7G5	Cooling 8.8	3.09
				Outdoor B30AWYU4G5	Heating 9.2	3.29
				Indoor B36AWYN7G5	Cooling 9.9	3.41
				Outdoor B36AWYU4G5	Heating 11.0	3.35
				Indoor B42AWYN7G5	Cooling 12.3	3.37
				Outdoor B42AWYU3G5	Heating 14.1	3.69
				Indoor B55AWYN7G5	Cooling 15.0	3.09
				Outdoor B55AWYU3G5	Heating 17.1	3.29
	STANDARD			Indoor B30AWYN7G5A	Cooling 8.8	3.09
				Outdoor B30AWYU4G5A	Heating 9.2	3.29
				Indoor B36AWYN7G5A	Cooling 9.9	3.18
				Outdoor B36AWYU4G5A	Heating 11.0	3.35
				Indoor B42AWYN7G5A	Cooling 12.3	3.01
				Outdoor B42AWYU3G5A	Heating 14.1	3.50
				Indoor B55AWYN7G5A	Cooling 14.2	3.00
				Outdoor B55AWYU3G5A	Heating 17.1	3.29
	BIG DUCT	High Static		Indoor B62AWYN9L6	Cooling 18.0	3.29
				Outdoor B62AWYU7L6	Heating 20.6	3.75
				Indoor B70AWYN9L6	Cooling 20.0	3.09
				Outdoor B70AWYU7L6	Heating 22.6	3.65

Outdoor Unit

5.1 kW

7.1~8.8 kW

9.9~10.0 kW

12.3~14.2 kW

18.0~20.0 kW

USER FRIENDLY CONTROL

LG's air conditioning solution allows users to take advantage of a hassle-free, intuitive management system via the controller

EASY INSTALLATION & MAINTENANCE

The built-in evaporator safety tray makes the product much easier to install and maintain.
Must be installed by a licensed installer.system via the controller

HIGH RELIABILITY & COMFORT

LG's latest technological innovations ensure greater overall system reliability as well as convenient benefits such as quick, stable cooling and a wider operation range than conventional systems.

SMART APPLICATION

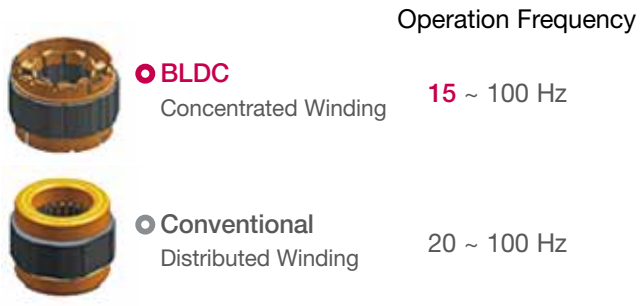
Easily access and control your Air Conditioner from your smart phone.
* Wireless home network required

ENERGY EFFICIENT

The revolutionary inverter technology of LG boasts powerful yet quiet performance while minimising energy consumption.

POWERFUL BLDC COMPRESSOR

LG air conditioner comes with a BLDC compressor that uses a strong neodymium magnet.
Its compressor thus has improved efficiency compared with conventional AC inverters. Operation range has been expanded.



BLDC FAN MOTOR TECHNOLOGY

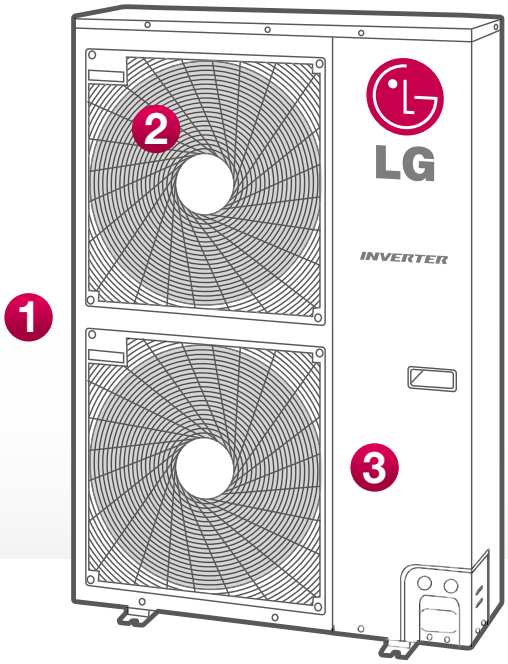
The LG BLDC fan motor offers additional efficiency in operating mode up to 40% at low speed, 20% at high speed compared to a LG AC motor

BLDC Fan Motor

1 Heat Exchanger

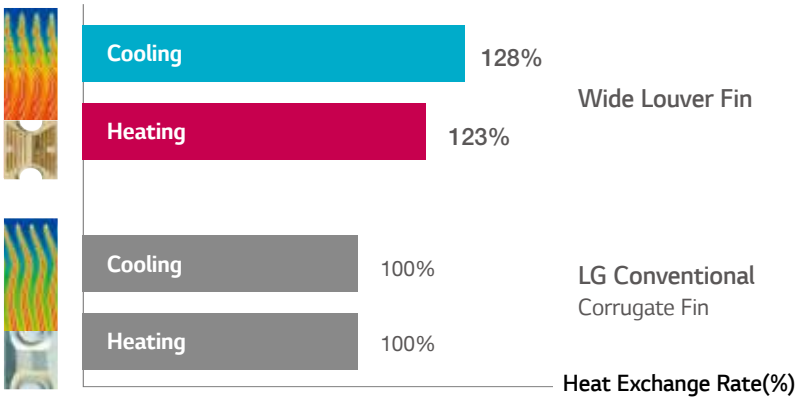
2 BLDC Fan Motor Technology

3 Powerful BLDC Compressor



HEAT EXCHANGER WITH WIDE LOUVER FIN

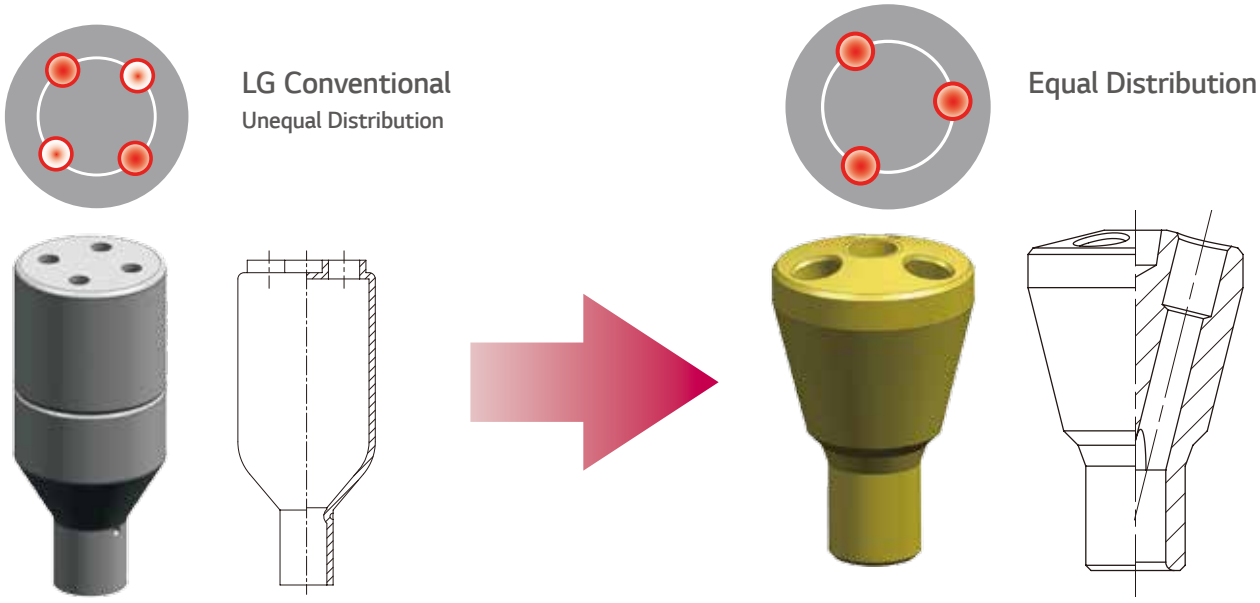
Improved heat exchanger efficiency up to *28%, applying Multi V technology.



* Compared to our previous Inverter design.

OPTIMISED HEAT EXCHANGER PATH

Improved Refrigerant cycle efficiency up to 5% with equal distribution.



USER FRIENDLY WALL CONTROLLER

Three optional wall controllers are available:

1. Premium wall controller -
2. Deluxe wall controller -
3. Standard wall controller -

CONTROLLER

• Premium Controller (optional)

PREMTA000

User Friendly Design

Premium design with intuitive GUI and Standard & Simple modes allows for quick and easy control of various functions and settings for up to 16 indoor units

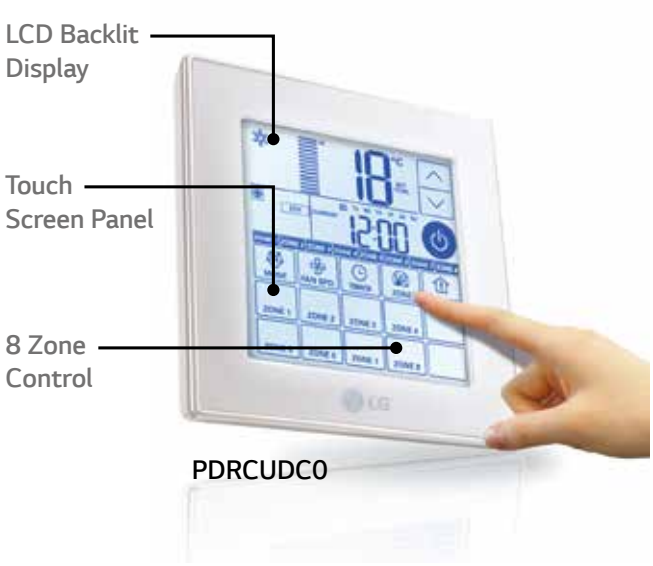
Advanced Schedule Functions

Convenient schedule functions allow for the control of weekly, monthly and yearly time periods as well as effective management of seasonal cycles.

Intelligent Energy Management

Energy monitoring and operational run time control including temperature lock function. Graphical representation of energy usage, target energy consumption, operation time limit and alarm pop up.

• Deluxe Wall Controller (optional)



PDRCUDC0

• Standard (WIDE) Wall Controller (optional)

The operator can set the timing function of the air conditioner for a period of one week.

PQRCVSL0QW

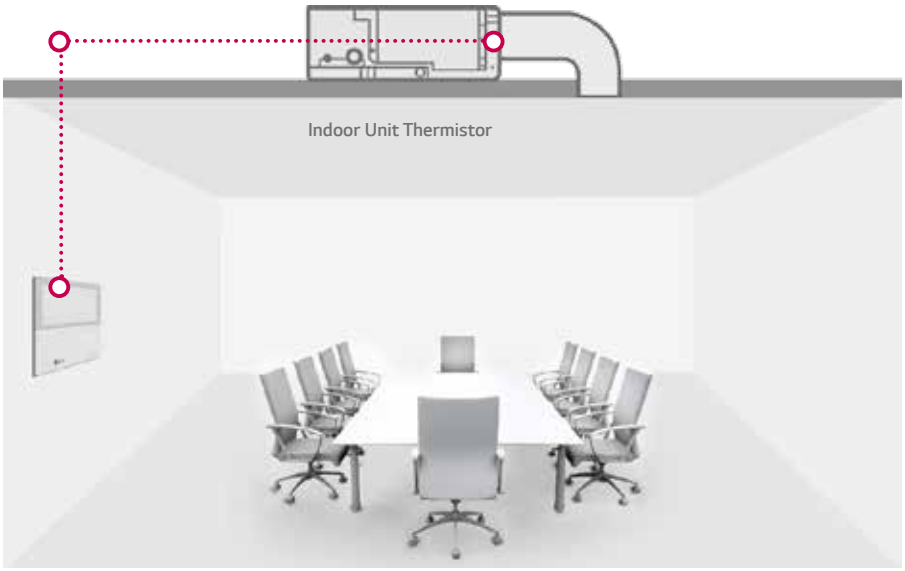
LCD backlit display

Enables you to easily see the control settings.

DUAL THERMISTORS CONTROL

Dual thermistor control provides the option to control temperature by referring to either of the dual temperature sensors. With the help of the slide switch at the back of the LCD wired remote controller, selection of the desired thermistor for controlling the unit can be achieved. One thermistor is in the Indoor unit & the other one is in the LCD wired remote.

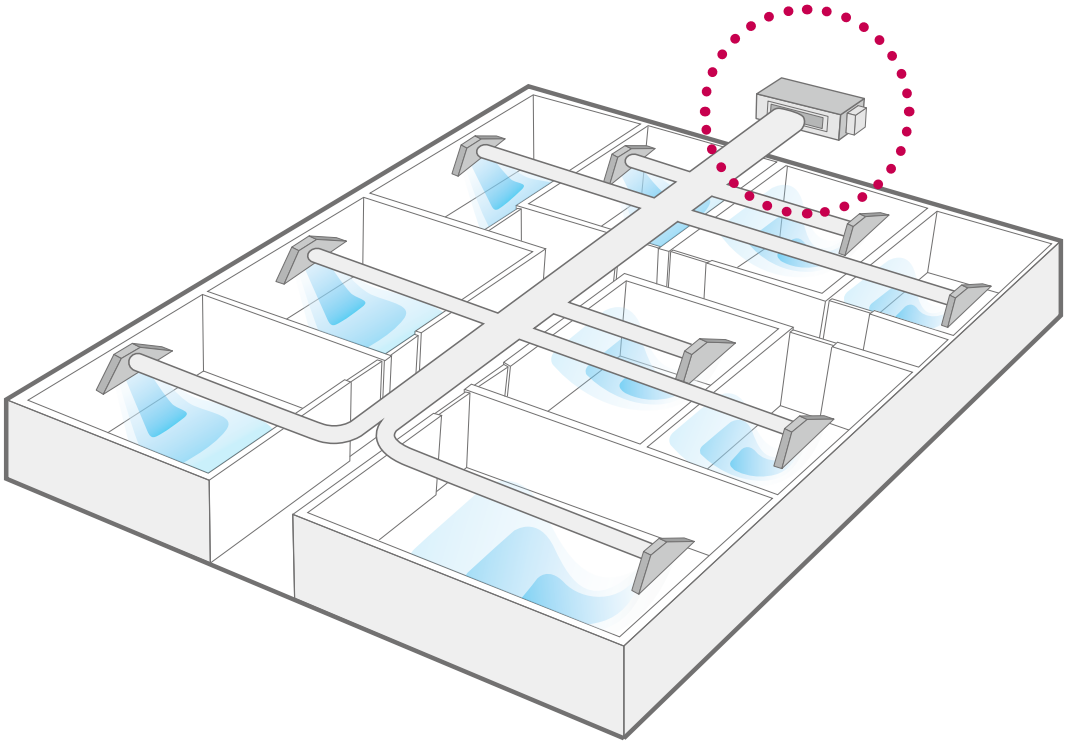
Compares temperatures sensed from different positions and automatically selects the optimum temperature for users



Remote Controller Thermistor

OPERATION FOR MULTIPLE ROOMS

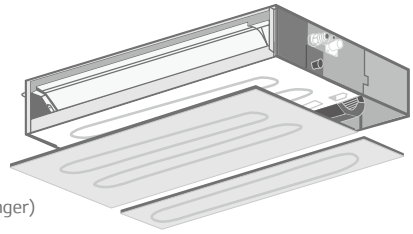
Using a duct (solid or flexible type), it is possible to operate cooling / heating for several rooms simultaneously.

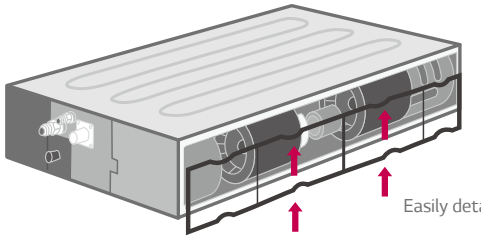


EASY INSTALLATION & MAINTENANCE

EASY SERVICE & MAINTENANCE

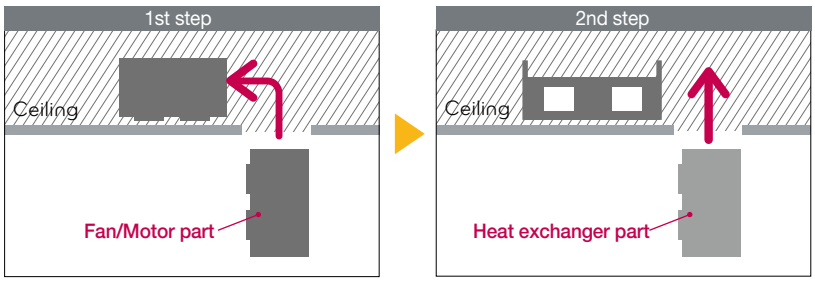
There is now a separate panel for the heat exchanger and fan/motor. Coupled with the fan/motor filter redesign for easy removal and installation, maintenance of the LG unit has been simplified even in limited spaces.

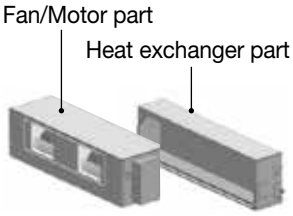




SPLIT TYPE INDOOR UNIT

Fan/motor part assembly and heat exchanger assembly can be separated.
This enables installation of the indoor unit in two parts before final assembly.

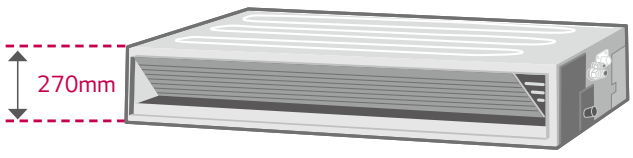


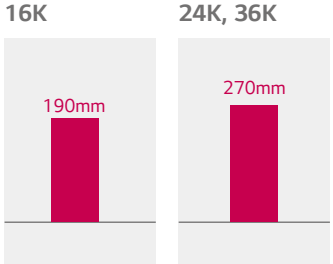


• This feature is ONLY available for B62, B70 unit.

MINIMIZED HEIGHT

New mid-static ducts provide ideal solution for installation in limited space.

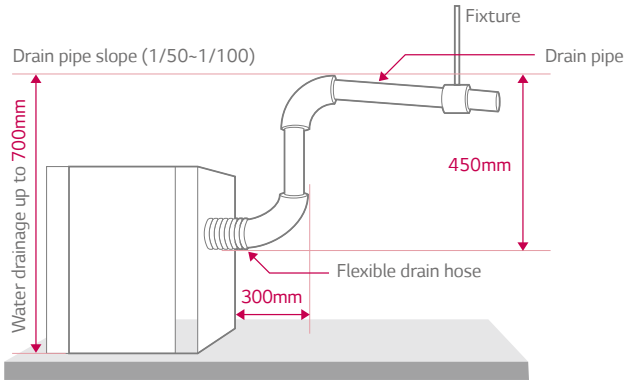


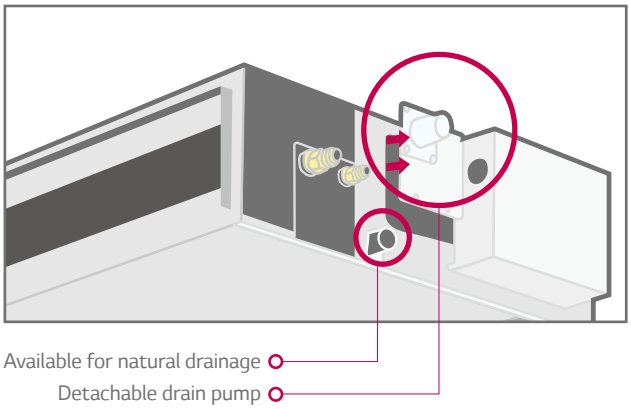


• This feature is ONLY available for Low, Mid Static Model.

HIGH HEAD DRAIN PUMP

Auxiliary Drain Pump automatically drains water. A standard drain-head height of up to 800mm is possible, which helps create the ideal solution for water drainage.



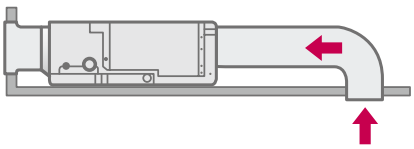


FLEXIBLE INSTALLATION (LOW STATIC DUCT ONLY)

The new low static duct allows the air intake to be positioned either at the rear or bottom during installation.

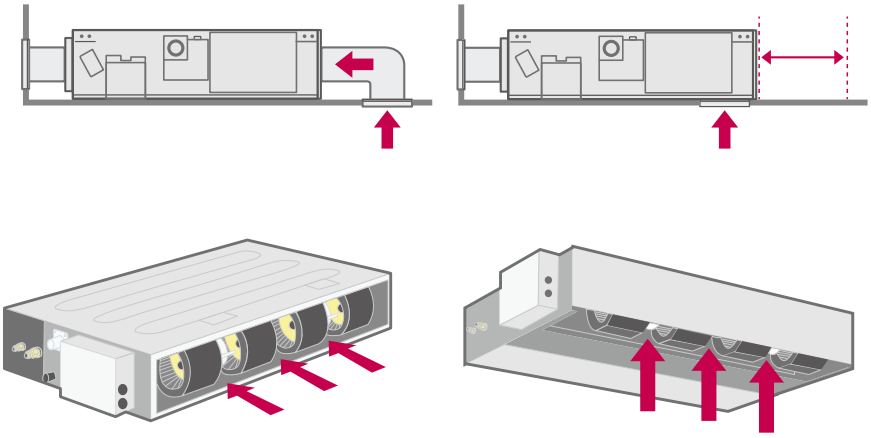
Conventional

Air intake at the only rear



New Low Static Duct

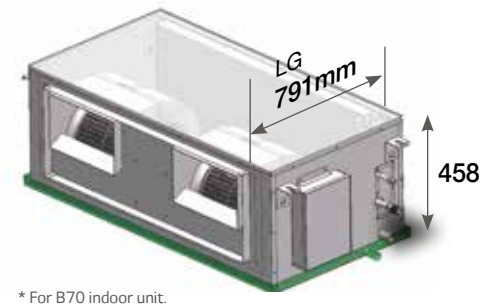
Air intake at the rear or bottom



COMPACT DESIGN

Compact IDU Size

Slim and Low height compact body could reduce problems during installation stage.



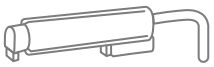
* For B70 indoor unit.

HIGH RELIABILITY & COMFORT

Quick Operation Response
Wide Operation Range -10~48°C
Stable Operation Performance

HIGH RELIABILITY WITH PRESSURE CONTROL

Previous LG model



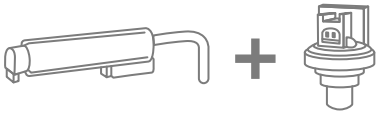
Temperature Sensor Only

Step 1
Sensing current temperature of refrigerent, indoor and outdoor temperature

Step 2
Estimating Pressure
Finding recorded target pressure to operate compressor, based on the corresponding temperature data

This algorithm is more likely to be impacted by temperature change and it takes more time to calculate proper operation range of compressor to target point.

LG Inverter



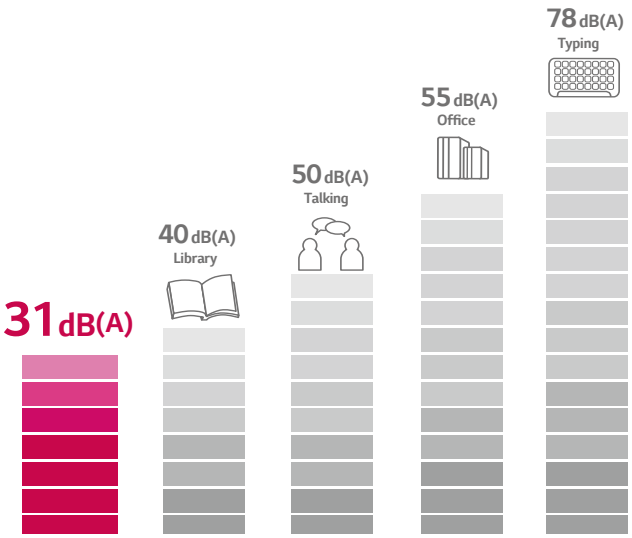
Temperature Sensor Pressure Sensor

Step 1
Sensing refrigerent pressure and temperature simultaneously to make sure compressor ready for target cooling operation

This ensures target performance and reliable operation.

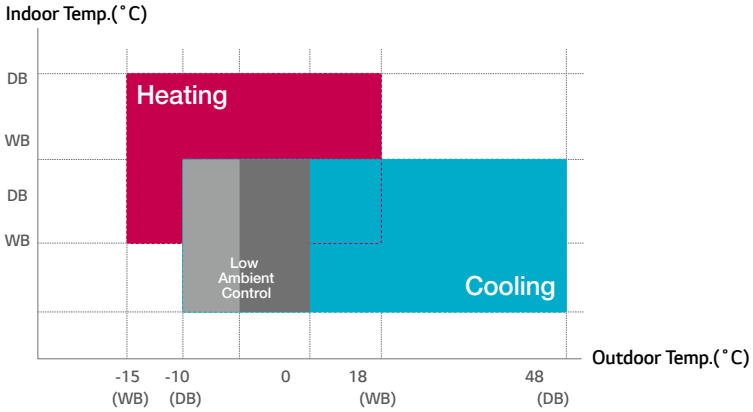
QUIET OPERATION

The noise level of low static ducts have been reduced, even though ESP has been increased.

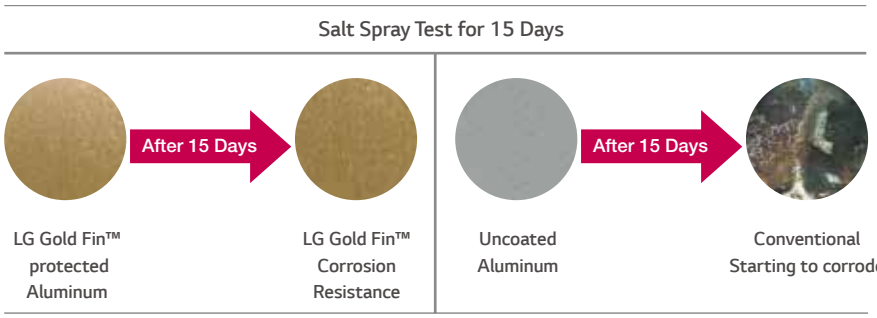


		B18AWYNGMD	B24AWYNGMD	B36AWYNGMD
Sound Pressure (High / Medium /Low)	db(A)	36 / 34 / 31	37 / 35 / 34	36 / 34 / 33

• Wide Operation Range : Cooling -10~48°C



GoldFin™, is an anti corrosive treatment on the surface of the heat exchanger in the outdoor unit.
The treatment is designed to protect air conditioners from pollution and corrosive conditions and assists in the durability and longevity of the unit. This technology is a great solution for harsh Australian outdoor conditions.

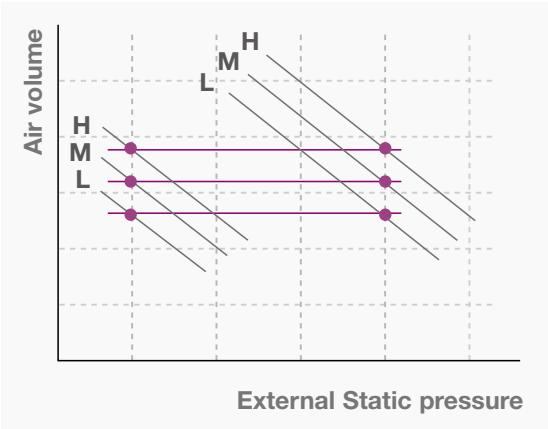


[Test Standard : ASTM B-117, KS D9502]

E.S.P CONTROL (E.S.P: EXTERNAL STATIC PRESSURE)

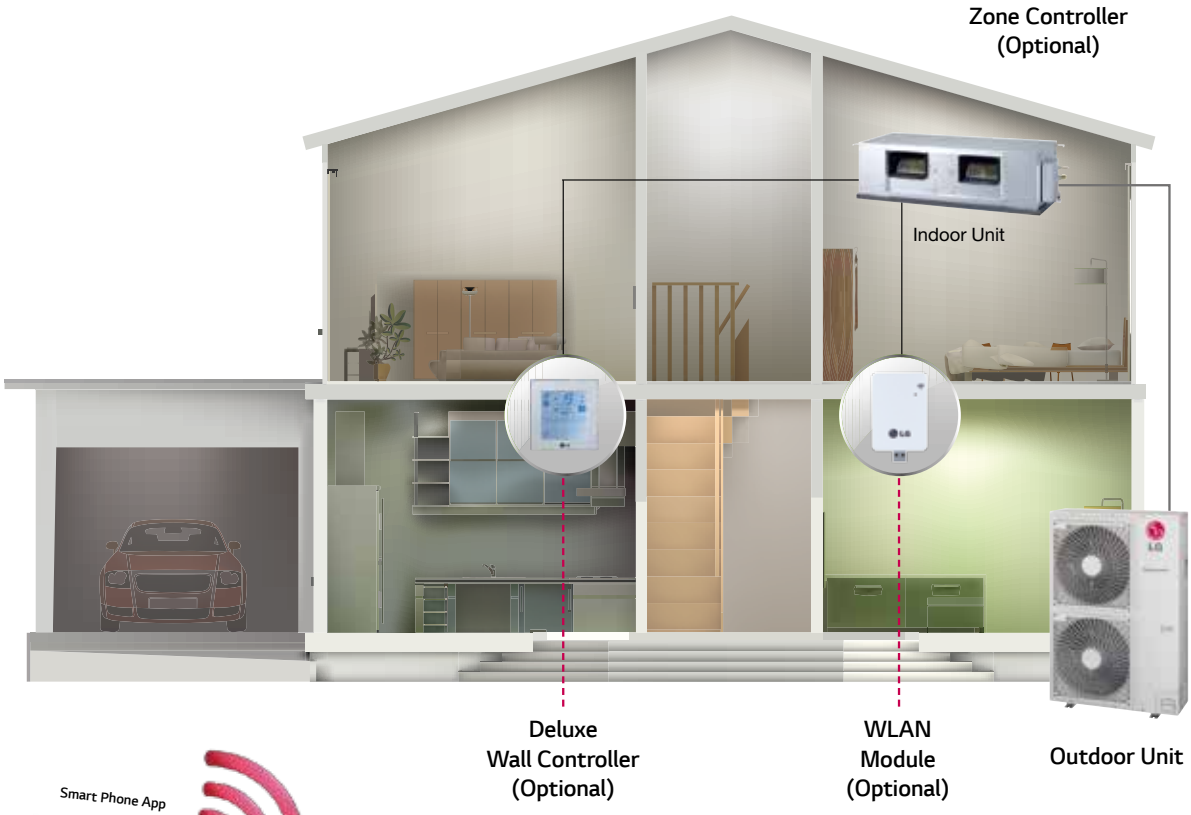
Air volume can be optimised to reduce noise and meet with the system design utilising E.S.P technology. This enables you to optimise duct work installation, by maintaining airflow and sound levels as required.

EZTuning



SMART APPLICATION (OPTIONAL)

The ducted split system can be controlled by your smart phone using the LG Smart AC app. You can control settings such as on-off, operation mode (cool, heat, auto and fan), set desired temperature and adjust fan speed with the purchase of the optional WLAN module.



WLAN Module (Optional)

• Excludes B18-24-36 AWYNGMD

WI-FI SMART CONTROL

Power and temperature control from your smart phone

LG Smart AC lets you easily access and control your air conditioner from your smartphone

Compatible Devices

- Android Phone (ver. 2.3 or Higher)
- Apple iPhone (iOS6 or Higher)

* Not available for Low, Mid Static model

MY FAVOURITE SETTING

The Perfect Setting for Me

Create your own settings with ease.

Enables you to save and easily access your favourite settings.

ZONE CONTROL

Enables you to turn different zones on & off from your smartphone

DRED (DEMAND RESPONSE ENABLED DEVICE) _ OPTIONAL

The Demand Response Modes may be activated by the electricity supplier during periods of peak grid demand. Some electricity suppliers provide a rebate when a DRED enabled air conditioner is installed. You should consult your electricity supplier for further information, including rebate conditions.

DRED compatible. A Demand Response Enabled Device is required at the time of installation to activate the demand response modes.

Available from your installing electrician.

INVERTER

B18AWYNGMD

B18AWYUGMD

Indoor				B18AWYNGMD
Capacity	Cooling	Min/Rated/Max	kW	2.0 / 5.1 / 6.0
	Heating	Min/Rated/Max	kW	2.2 / 6.0 / 7.3
Power Input	Cooling	Rated	kW	1.65
	Heating	Rated	kW	1.82
Running Current	Cooling/Heating	Rated	A	7.2/7.9
Power Supply			V/ø/Hz	220-240 / 1 / 50
EER				3.09
COP				3.30
Piping Connection	Liquid		mm	Ø 6.35
	Gas		mm	Ø 12.7
	Drain	O.D./I.D.	mm	Ø 32 / 25
Air Flow Rate		High/Medium/Low	m^3/min	15.0 / 12.5 / 10.0
			l/s	250 / 208 / 166
Sound Pressure	Cooling	High/Medium/Low	dBA	36 / 34 / 31
	Heating	High/Medium/Low	dBA	36 / 34 / 31
Sound Power	Cooling	Max	dBA	54
Dehumidification Rate			l/h	1.7
Dimensions	Body	WxHxD	mm	900 × 190 × 700
Net Weight	Body		kg	23.0 (50.7)
Supply Air Spigot		WxH	mm	860 x 148
Return Air Spigot		WxH	mm	860 x 155
Fan Motor Output			W	85.4 x 1
External Static Pressure -pre set		Min~Max	Pa	24.5 (2.5)

Outdoor				B18AWYNGMD
Compressor	Type			Twin Rotary
Airflow Rate		Rated	m^3/min	50 x 1
			l/s	833 x 1
Sound Pressure	Cooling	Rated	dBA	48
	Heating	Rated	dBA	51
Sound Power	Cooling	Max	dBA	60
Dimensions	WxHxD		mm	870 × 655 × 320
Net Weight			kg	46
Refrigerant	Type			R410A
	Charge		g	1,400
	Chargeless Piping Length (after 7.5m)		m	20
Operation Range (Outdoor)	Cooling	Min~Max	°C DB	(-)15 ~ 48
	Heating	Min~Max	°C WB	(-)18 ~ 18
Power Supply			V/ø/Hz	220~240 / 1 / 50
Power Supply Cable			N x mm^2	3C x 2.5
Transmission Cable			N x mm^2	4C x 0.75
Circuit Breaker			A	20
Piping Length Total		Max	m	40
Piping Elevation Difference	IDU-ODU	Max	m	30
Piping Connection	Liquid		mm	Ø 6.35
	Gas		mm	Ø 12.7

Note : 1. Due to our policy of innovation some specifications may be changed without notification.
2. Capacities are based on the in accordance with ASNZS3823.1.2
Cooling: - Indoor Temperature 27°C DB /19°C WB
- Outdoor Temperature 35°C DB /24°C WB
Heating: - Indoor Temperature 20°C DB / 15°C WB
- Outdoor Temperature 7°C DB / 6°C WB

INVERTER

B24AWYNGMD
B36AWYNGMD

B24AWYNGMD

B36AWYNGMD

B24AWYUGMD

B36AWYUGMD

Indoor				B24AWYNGMD	B36AWYNGMD
Capacity	Cooling	Min/Rated/Max	kW	2.8 / 7.1 / 7.8	4.0 / 10.0 / 11.0
	Heating	Min/Rated/Max	kW	3.2 / 8.1 /8.8	4.5 / 11.2 / 12.3
Power Input	Cooling	Rated	kW	2.03	3.24
	Heating	Rated	kW	2.23	3.36
Running Current	Cooling/Heating	Rated	A	8.8/9.7	14.1/14.6
Power Supply			V/ø/Hz	220-240 / 1 / 50	220-240 / 1 / 50
EER				3.57	3.09
COP				3.54	3.33
Piping Connection	Liquid		mm	Ø 9.52	Ø 9.52
	Gas		mm	Ø 15.88	Ø 15.88
	Drain	O.D./I.D.	mm	Ø 32 / 25	Ø 32 / 25
Air Flow Rate		High/Medium/Low	m^3/min	22.0 / 20.0 / 18.0	32.0 / 28.0 / 24.0
			l/s	366 / 333 / 300	533 / 466 / 400
Sound Pressure	Cooling	High/Medium/Low	dBA	37 / 35 / 34	36 / 34 / 33
	Heating	High/Medium/Low	dBA	37 / 35 / 34	36 / 34 / 33
Sound Power	Cooling	Max	dBA	62	60
Dehumidification Rate			l/h	2.8	3.2
Dimensions	Body	WxHxD	mm	900 × 270 × 700	1,250 × 270 × 700
Net Weight	Body		kg	25.3 (55.8)	36.0 (79.4)
Supply Air Spigot		WxH	mm	857 x 200	857 x 200
Return Air Spigot		WxH	mm	850 x 231	850 x 231
Fan Motor Output			W	136.5 x 1	295 x 1
External Static Pressure -pre set		Min~Max	Pa	58.8 (6)	58.8 (6)
Outdoor				**B24AWYUGMD**	**B36AWYUGMD**
Compressor	Type			Twin Rotary	Twin Rotary
Airflow Rate		Rated	m^3/min	58 x 1	45 x 2
			l/s	1966	750 x 2
Sound Pressure	Cooling	Rated	dBA	48	53
	Heating	Rated	dBA	52	54
Sound Power	Cooling	Max	dBA	62	66
Dimensions	WxHxD		mm	950 × 834 × 330	950 x 1,170 × 330
Net Weight			kg	60	81
Refrigerant	Type			R410A	R410A
	Charge		g	2,000	2,800
	Chargeless Piping Length (after 7.5m)		m	40	40
Operation Range (Outdoor)	Cooling	Min~Max	°C DB	(-)15 ~ 48	(-)15 ~ 48
	Heating	Min~Max	°C WB	(-)18 ~ 18	(-)18 ~ 18
Power Supply			V/ø/Hz	220~240 / 1 / 50	220~240 / 1 / 50
Power Supply Cable			N x mm^2	3C x 2.5	3C x 5.0
Transmission Cable			N x mm^2	4C x 0.75	4C x 0.75
Circuit Breaker			A	30	40
Piping Length Total		Max	m	50	50
Piping Elevation Difference	IDU-ODU	Max	m	30	30
Piping Connection	Liquid		mm	Ø 9.52	Ø 9.52
	Gas		mm	Ø 15.88	Ø 15.88

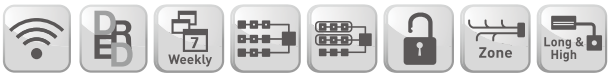
Note : 1. Due to our policy of innovation some specifications may be changed without notification.
2. Capacities are based on the in accordance with ASNZS3823.1.2
Cooling: - Indoor Temperature 27°C DB /19°C WB Heating: - Indoor Temperature 20°C DB / 15°C WB
- Outdoor Temperature 35°C DB /24°C WB - Outdoor Temperature 7°C DB / 6°C WB

INVERTER

B30AWYN7G5
B36AWYN7G5
B42AWYN7G5
B55AWYN7G5

B30AWYU4G5

B36AWYU4G5
B42AWYU4G5



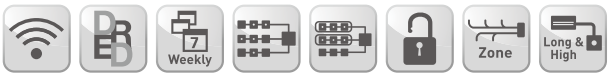
Indoor				B30AWYN7G5	B36AWYN7G5	B42AWYN7G5	B55AWYN7G5
Capacity	Cooling	Min/Rated/Max	kW	3.2 / 8.8 / 9.6	4.1 / 9.9 / 11.0	4.9 / 12.3 / 14.8	6.4 / 15.0 / 17.1
	Heating	Min/Rated/Max	kW	3.7 / 9.2 / 11.0	4.4 / 11.0 / 12.1	5.6 / 14.1 / 16.9	7.0 / 17.1 / 18.0
Power Input	Cooling	Rated	kW	2.85	2.9	3.65	4.85
	Heating	Rated	kW	2.8	3.28	3.82	5.20
Running Current	Cooling/Heating	Rated	A	12.7/11.3	12.4/14.5	16.0/17.0	21.0/22.7
Power Supply			V/ø/Hz	230~240 / 1 / 50	230~240 / 1 / 50	230~240 / 1 / 50	230~240 / 1 / 50
EER				3.09	3.41	3.37	3.09
COP				3.29	3.35	3.69	3.29
Piping Connection	Liquid		mm	ø 9.52	ø 9.52	ø 9.52	ø 9.52
	Gas		mm	ø 15.88	ø 15.88	ø 15.88	ø 15.88
	Drain	O.D./I.D.	mm	ø 32/25	ø 32/25	ø 32/25	ø 32/25
Air Flow Rate		High/Medium/Low	m^3/min	32.0 / 26.0 / 20.0	42.0 / 36.0 / 28.0	48.0 / 42.0 / 36.0	60.0 / 50.0 / 40.0
			l/s	533/433/333	700/600/467	800/700/600	1000/833/667
Sound Pressure	Cooling	High/Medium/Low	dBA	44/43/42	45/44/43	46/45/44	46/45/44
	Heating	High/Medium/Low	dBA	44/43/42	45/44/43	46/45/44	46/45/44
Sound Power	Cooling	Max	dBA	-	-	-	-
Dehumidification Rate			l/h	1.8	3.0	2.7	4.0
Dimensions	Body	WxHxD	mm	1,320 X 400 X 534	1,320 X 400 X 534	1,320 X 400 X 534	1,320 X 400 X 534
Net Weight	Body		kg	48	48	52	52
Supply Air Spigot		WxH	mm	840 X 287	840 X 287	840 X 287	840 X 287
Return Air Spigot		WxH	mm	1,172 X 317	1,172 X 317	1,172 X 317	1,172 X 317
Fan Motor Output			W	350 X 1	350 X 1	185 X 2	185 X 2
External Static Pressure -pre set		Min~Max	Pa	62-200(130 factory)	62-200(130 factory)	62-200(130 factory)	62-200(130 factory)
Outdoor				**B30AWYU4G5**	**B36AWYU4G5**	**B42AWYU3G5**	**B55AWYU3G5**
Compressor	Type			Twin Rotary	Twin Rotary	Twin Rotary	Twin Rotary
Airflow Rate		Rated	m^3/min	58	45×2	55×2	55×2
			l/s	967	750*2	917*2	917*2
Sound Pressure	Cooling	Rated	dBA	48	53	52	52
	Heating	Rated	dBA	52	54	54	54
Sound Power	Cooling	Max	dBA	65	66	67	71
Dimensions	WxHxD		mm	950 X 834 X 330	950 X 1,170 X 330	950 X 1,380 X 330	950 × 1,380 × 330
Net Weight			kg	60.0	81.0	92.0	92.0
Refrigerant	Type			R410A	R410A	R410A	R410A
	Charge		g	2,000	2,800	3,400	3,400
	Chargeless Piping Length (after 7.5m)		m	15	15	15	15
Operation Range (Outdoor)	Cooling	Min~Max	°C DB	-10 ~ 48	-10 ~ 48	-10 ~ 48	-10 ~ 48
	Heating	Min~Max	°C WB	-15 ~ 18	-15 ~ 18	-15 ~ 18	-15 ~ 18
Power Supply			V/ø/Hz	220~240 / 1 / 50	220~240 / 1 / 50	220~240 / 1 / 50	220-240 / 1 / 50
Power Supply Cable			N x mm^2	3 x2.5	3 x5.0	3 x5.0	3 x5.0
Transmission Cable			N x mm^2	4 x1.0	4 x1.0	4 x1.0	4 ×1.0
Circuit Breaker			A	25	40	40	40
Piping Length Total		Max	m	50	50	50	50
Piping Elevation Difference	IDU-ODU	Max	m	30	30	30	30
Piping Connection	Liquid		mm	ø 9.52	ø 9.52	ø 9.52	ø 9.52
	Gas		mm	ø 15.88	ø 15.88	ø 15.88	ø 15.88

Note : 1. Due to our policy of innovation some specifications may be changed without notification.
2. Capacities are based on the in accordance with ASNZS3823.1.2
Cooling: - Indoor Temperature 27°C DB /19°C WB
- Outdoor Temperature 35°C DB /24°C WB
Heating: - Indoor Temperature 20°C DB / 15°C WB
- Outdoor Temperature 7°C DB / 6°C WB

INVERTER

B30AWYN7G5A
B36AWYN7G5A
B42AWYN7G5A
B55AWYN7G5A

B55AWYU3G5



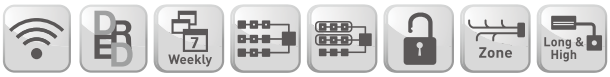
Indoor				B30AWYN7G5A	B36AWYN7G5A	B42AWYN7G5A	B55AWYN7G5A
Capacity	Cooling	Min/Rated/Max	kW	3.2 ~ 8.8 ~ 9.6	4.1 ~9.9 ~ 11.0	4.9 / 12.3 / 13.5	6.4 / 14.2 / 16.2
	Heating	Min/Rated/Max	kW	3.7 ~ 9.2 ~ 11.0	4.4 ~ 11.0 ~ 12.1	5.6 / 14.1 / 15.50	7.0 / 17.1 / 18.0
Power Input	Cooling	Rated	kW	2.85	2.90	4.08	4.73
	Heating	Rated	kW	2.80	3.28	4.03	5.20
Running Current	Cooling/Heating	Rated	A	12.7/12.2	12.4/14.5	17.8/17.0	21.8/22.7
Power Supply			V/ø/Hz	220-240 / 1 / 50	220-240 / 1 / 50	220-240 / 1 / 50	220-240 / 1 / 50
EER				3.09	3.18	3.01	3.00
COP				3.29	3.35	3.50	3.29
Piping Connection	Liquid		mm	Ø 9.52	Ø 9.52	Ø 9.52	Ø 9.52
	Gas		mm	Ø 15.88	Ø 15.88	Ø 15.88	Ø 15.88
	Drain	O.D./I.D.	mm	Ø 32 / 25	Ø 32 / 25	Ø 32 / 25	Ø 32 / 25
Air Flow Rate		High/Medium/Low	m^3/min	32.0/ 26.0 / 20.0	42.0/ 36.0 / 28.0	48.0 / 42.0 / 36.0	60.0 / 50.0 / 40.0
			l/s	533 / 433 / 333	700 / 600 / 467	800 / 700 / 600	1,000 / 833 / 667
Sound Pressure	Cooling	High/Medium/Low	dBA	44 / 43 / 42	45 / 44 / 43	45 / 44 / 43	46 / 45 / 44
	Heating	High/Medium/Low	dBA	44 / 43 / 42	45 / 44 / 43	45 / 44 / 43	46 / 45 / 44
Sound Power	Cooling	Max	dBA	-	-	-	-
Dehumidification Rate			l/h	1.8	3.0	2.7	4.0
Dimensions	Body	WxHxD	mm	1,320 × 400 × 534	1,320 × 400 × 534	1,320 × 400 × 534	1,320 × 400 × 534
Net Weight	Body		kg	48 (105.8)	48 (105.8)	48 (105.8)	48 (105.8)
Supply Air Spigot		WxH	mm	840 x 287	840 x 287	842 x 291	842 x 291
Return Air Spigot		WxH	mm	1,172 x 317	1,172 x 317	1,152 x 317	1,152 x 317
Fan Motor Output			W	350 x 1	350 x 1	400 x 1	195 x 2
External Static Pressure -pre set		Min~Max	Pa	68.6 (7)	68.6 (7)	68.6 (7)	78.5 (8)
Outdoor				**B30AWYU4G5**	**B36AWYU4G5**	**B42AWYU3G5**	**B55AWYU3G5**
Compressor	Type			Twin Rotary	Twin Rotary	Twin Rotary	Twin Rotary
Airflow Rate		Rated	m^3/min	58 x 1	45 x 2	45 x 2	55 x 2
			l/s	966 x 1	750 x 2	750 x 2	916 x 2
Sound Pressure	Cooling	Rated	dBA	48	53	53	54
	Heating	Rated	dBA	52	54	54	56
Sound Power	Cooling	Max	dBA	65	66	66	71
Dimensions	WxHxD		mm	950 × 1,170 × 330	950 × 1,170 × 330	950 × 1,170 × 330	950 × 1,380 × 330
Net Weight			kg	56	78	78	88
Refrigerant	Type			R410A	R410A	R410A	R410A
	Charge		g	2,200	2,800	2,800	3,300
	Chargeless Piping Length (after 20m)		m	40	40	40	40
Operation Range (Outdoor)	Cooling	Min~Max	°C DB	(-)10 ~ 48	(-)10 ~ 48	(-)10 ~ 48	(-)10 ~ 48
	Heating	Min~Max	°C WB	(-)10 ~ 24	(-)10 ~ 24	(-)10 ~ 24	(-)10 ~ 24
Power Supply			V/ø/Hz	220~240 / 1 / 50	220~240 / 1 / 50	220~240 / 1 / 50	220~240 / 1 / 50
Power Supply Cable			N x mm^2	3C x 2.5	3C x 6.0	3C x 6.0	3C x 6.0
Transmission Cable			N x mm^2	4C x 0.75	4C x 0.75	4C x 0.75	4C x 0.75
Circuit Breaker			A	40	40	40	40
Piping Length Total		Max	m	50	50	50	50
Piping Elevation Difference	IDU-ODU	Max	m	30	30	30	30
Piping Connection	Liquid		mm	Ø 9.52	Ø 9.52	Ø 9.52	Ø 9.52
	Gas		mm	Ø 15.88	Ø 15.88	Ø 15.88	Ø 15.88

Note : 1. Due to our policy of innovation some specifications may be changed without notification.
2. Capacities are based on the in accordance with ASNZS3823.1.2
Cooling: - Indoor Temperature 27°C DB /19°C WB Heating: - Indoor Temperature 20°C DB / 15°C WB
- Outdoor Temperature 35°C DB /24°C WB - Outdoor Temperature 7°C DB / 6°C WB

INVERTER

B62AWYN9L6

B70AWYU7L6



Indoor				B62AWYN9L6
Capacity	Cooling	Min / Nom / Max	kW	7.2 ~ 18.0 ~ 19.8
	Heating	Min / Nom / Max	kW	8.2 ~ 20.6 ~ 22.7
Power Input	Cooling	Rated	kW	5.47
	Heating	Rated	kW	5.49
Running Current	Cooling	Rated	A	9.3
	Heating	Rated	A	9.6
EER			W	3.29
COP			W	3.75
Power Supply			ø / V / Hz	220~240 / 1 / 50
Dimension	Body	W x H x D	mm	1,563 × 458 × 791
Net Weight	Body		kg	89
Fan	Type			Sirocco Fan
	Air Flow Rate	H / M / L	L/S	1,333 / 1,200 / 1,067
	(Standard Mode)		m^3/min	80/72/64
Dehumidification Rate			l/h	1.35
Sound Pressure	Cooling	H / M / L	dB(A)	43 / 41 / 40
Piping Connections	Liquid		mm (inch)	ø12.7 (1/2)
	Gas		mm (inch)	ø22.2 (7/8)
	Drain (O.D / I.D)		mm	ø32.0 / 25.0
Outdoor				**B62AWYU7L6**
Compressor	Type			Hermetically Sealed Scroll
Power Supply			ø / V / Hz	380~415 / 3 / 50
Dimension		W x H x D	mm	1,090 × 1,625 × 380
Net Weight			kg	144
Refrigerant	Type			R410A
	Pre-charged Amount		g	5,500
	Pre-charge		m	15
Sound Pressure Level	Cooling	Rated	dB(A)	59
	Heating	Rated	dB(A)	60
Sound Power Level	Cooling		dB(A)	71
Piping Connections	Liquid	Outer Dia.	mm	ø12.7
	Gas	Outer Dia.	mm	ø22.2
Piping Length		Max.	m (ft)	75 (246.0)
Maximum Hight	O.D.U ~ I.D.U	Max.	m (ft)	30 (98.4)
Operation Range	Cooling	Min ~ Max.	°C DB	-20 ~ 48
(Outdoor Temperature)	Heating	Min ~ Max.	°C WB	-18 ~ 18

Note : 1. Due to our policy of innovation some specifications may be changed without notification.
2. Capacities are based on the in accordance with ASNZS3823.1.2
Cooling: - Indoor Temperature 27°C DB /19°C WB - Outdoor Temperature 35°C DB /24°C WB
Heating: - Indoor Temperature 20°C DB / 15°C WB - Outdoor Temperature 7°C DB / 6°C WB

INVERTER

B70AWYN9L6

B70AWYU7L6

Indoor				B70AWYN9L6
Capacity	Cooling	Min / Nom / Max	kW	8.0 ~ 20.0 ~ 22.0
	Heating	Min / Nom / Max	kW	9.0 ~ 22.6 ~ 24.9
Power Input	Cooling	Rated	kW	6.47
	Heating	Rated	kW	6.19
Running Current	Cooling	Rated	A	10.9
	Heating	Rated	A	10.5
EER			W	3.09
COP			W	3.65
Power Supply			ø / V / Hz	220~240 / 1 / 50
Dimension	Body	W x H x D	mm	1,563 × 458 × 791
Net Weight	Body		kg	89
Fan	Type			Sirocco Fan
	Air Flow Rate	H / M / L	L/S	1,333 / 1,200 / 1,067
	(Standard Mode)		m^3/min	80/72/64
Dehumidification Rate			l/h	3.13
Sound Pressure	Cooling	H / M / L	dB(A)	43 / 41 / 40
Piping Connections	Liquid		mm (inch)	ø12.7 (1/2)
	Gas		mm (inch)	ø22.2 (7/8)
	Drain (O.D / I.D)		mm	ø32.0 / 25.0
Outdoor				**B70AWYU7L6**
Compressor	Type			Hermetically Sealed Scroll
Power Supply			ø / V / Hz	380~415 / 3 / 50
Dimension		W x H x D	mm	1,090 × 1,625 × 380
Net Weight			kg	144
Refrigerant	Type			R410A
	Pre-charged Amount		g	5,500
	Pre-charge		m	15
Sound Pressure Level	Cooling	Rated	dB(A)	59
	Heating	Rated	dB(A)	60
Sound Power Level	Cooling		dB(A)	71
Piping Connections	Liquid	Outer Dia.	mm	ø12.7
	Gas	Outer Dia.	mm	ø22.2
Piping Length		Max.	m (ft)	75 (246.0)
Maximum Hight	O.D.U ~ I.D.U	Max.	m (ft)	30 (98.4)
Operation Range	Cooling	Min ~ Max.	ºC DB	-20 ~ 48
(Outdoor Temperature)	Heating	Min ~ Max.	ºC WB	-18 ~ 18

Note : 1. Due to our policy of innovation some specifications may be changed without notification.
2. Capacities are based on the in accordance with ASNZS3823.1.2
Cooling: - Indoor Temperature 27°C DB /19°C WB - Outdoor Temperature 35°C DB /24°C WB
Heating: - Indoor Temperature 20°C DB / 15°C WB - Outdoor Temperature 7°C DB / 6°C WB

ACCESSORY

Central Control

Control Method	Objective/Use	Unit Name and Model	Function	Parts	Features
AC-EZ PQCSZ250S0	Provides a centralised point where up to 32 indoor units or indoor unit groups can be controlled and monitored		• Remote control & Monitor • 8programmable schedules with mode and set point control • Error code display during unit or system malfunction	• Controller • Manual • Screw 6EA • Screw 4EA	• LED indicator for operating status • Max 32 IDU control
AC-Smart Premium PQCSW421E0A	Provides a centralised point where up to 128 indoor units or indoor unit groups can be controlled and monitored		• Visual navigation (structure mapping) • Remote control & Monitor • Web control • Email error alarm	• Controller • Manual	• 10.2 inch touch screen with user friendly GUI

*All central control devices require PI485 interface per outdoor unit

Control Method	Objective/Use	Unit Name and Model	Function	Parts	Features
ACP PQCPC22N0 PQCPC22A0	To control all indoor unit just like remote controller		• Control/Monitoring • Schedule • History Peak Power Control PDI Monitoring • Setting Max 256 Indoor units Without IO (Install with AC Manager, Interlocking is impossible)	• ACP • Power cord • Manual	• Embedded web server (Can connected internet) • Include Central Program in the ACP Web Server Directly IP Setting by using key & LCD Without DI/DO Port
AC Manager PQCSSA21E0	To control all indoor unit just like remote controller		• Control/Monitoring • Schedule • History Peak Power Control • Auto control (Auto Changeover, temperature limit control) Interlocking PDI data Manage • Setting Max 8,192 Indoor units	• PC S/W(CD) • Lock key • Manual	• Install with several ACP supply more detail control & upgraded function Print & down with excel of all data Function Lock & Set Temp range restriction Icon/List View individual unit operating time manage • Max 32 ACP connectable (Max 8,192 Indoors)

ACCESSORY

Interface Device

Control Method	Objective/Use	Unit Name and Model	Function	Parts	Features
PI485 PMNFP14A0	To connect Outdoor unit to CNU or Simple Central Controller		• RS485 Converter with software • For Max.16 Indoor	• PCB Assembly • Bracket • Lead wire: 3ea • Screw 4EA • Tie wrap • Clamp • Manual	• 1set/1 Outdoor
Dry Contact PQDSA1/ PQDSB1	For connect Indoor unit to other Forced on/off Controller	 	• RS485 Converter with software	• PCB Assembly • Top case • Bottom case • Screw • Lead wire 3 • Sub PCB set (1 leadwire + 1 sub PCB) • Manual	• 1set/1 Indoor unit • PQDSB1 (24V) • PQDSA1 (24V)
Dry Contact PQDSBC/ PQDSRCDUMO*	For connect Indoor unit to other Forced on/off Controller	 	• Contact signal to air-con signal converter	• PCB Assembly • Top/Bottom case • Screw • Lead wire 3ea • Sub PCB set (1 leadwire + 1 sub PCB) • Manual	• 1set/1 indoor unit • 2 Contact points • No need AC input • Expected temperature setting is possible

*Dred/Dry contact.

Building Management Devices

Control Method	Objective/Use	Unit Name and Model	Function	Parts	Features
BNU-LW PLNWKB000	To connect PI485 to LONWORKS BMS system		• Interface between BMS and LG air-conditioners (LonMark certified : Operation system based on LNS)	• Interface Assembly • 12V DC adaptor • Manual	• 64 indoor units • ACP function (central controller) included
BNU-BAC PQNFB17C 0	To connect PI485 to BACnet BMS system		• Interface between BMS and LG air-conditioners (BTL certified : Operation system based on BACnet service)	• Interface Assembly • 12V DC adaptor • Manual	• 256 Indoor units • ACP function (central controller) included • BTL certification (B-ASC)
PDI PQNUD1S00	To Power consumption Distribution of each indoor unit		• Accumulation of total power consumption • Indication of current power in use • Indication of accumulated power for period • Indication of standby power (option setting)	• PDI Assembly Manual	• 1 PDI / 1 Outdoor
PDI Premium PQNUD1S40	To power consumption distribution of each indoor unit		• Accumulation of total power consumption • Indication of current power in use • Indication of accumulated power for period • Indication of standby power • Blackout protection	•PDI Assembly manual	• 1 PDI / 8 Outdoor

1) PI485 : Product Interface unit for RS 485 transmission

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Warranty Brief

- All LG Electronics Air Conditioning Units are covered by a 5-Year Parts and Labour Warranty when used in Residential Applications. Commercial Applications attract a 2-Year Parts and Labour Warranty.*
- Air Conditioning units carry an on-site warranty.*

*Further conditions apply, see the Warranty Card for further information.

ISO 9001 ISO 14001

LG Electronics Changwon Facility Achieved ISO9001 Certification Under Series 9000 of International Standard Organization(ISO) Based on Quality Systems For Design & Manufacture of Air Conditioners, Hermetic Refrication Compressors.

Disclaimer

The descriptions and specifications in this brochure are relevant as at the date of publication.
In the interest of product development, LG Electronics reserves the right to carry out alterations and improvements to products and specifications. Future releases of products, accessories and parts for them may differ from, and may not be compatible with current versions. As it may be difficult to determine the exact nature of a product from its depiction in this brochure.
LG Electronics strongly recommends that you confirm with your retailer that the product shown or described in this brochure meets your requirements before you purchase the product.