

## Split System Air Conditioners

Come home to comfort with LG





For more information visit LG.COM/NZ

For expert advice find your local Corys 0800 4 CORYS - corys.co.nz

\* The specifications, designs and information in this brochure are subject to change without notice. Unit colours shown are as close as possible to actual unit colours. Colours may vary slightly.

### Come Home To Comfort with LG Air Conditioners

#### Why LG Air Conditioning

Designed for the way you live, our air conditioners are available in a wide range of styles - so you can create a space that's cool, comfortable and stylish.

LG is committed to providing quality products to enrich the everyday lives of New Zealand. We believe in our products and provide a **10 year compressor parts warranty**, so comfort will be with you for years to come.

With LG Split System air conditioning products, you'll also enjoy benefits such as:

- Embedded Wi-Fi so that you can control your unit with your Smartphone, even when you're not at home\*.
- Active Energy Control to help track your energy consumption.
- Low Noise LG Air Conditioners operate at low sound levels.

For ease of installation, energy efficiency and quiet performance, LG air conditioning systems are the smart choice.

#### **Home Connectivity**

LG is making your life simpler and more convenient with connected appliances so you can now control your air conditioner with the sound of your voice.

Google Assistant\* is now compatible with LG Split System Air Conditioners.

This means, you can now delegate tasks or ask your LG Air Conditioner questions via the Google Assistant app or a compatible speaker.

The list of supported Google Assistant commands includes:

- OK Google, turn on the air conditioner
- OK Google, what's the temperature of the air conditioner
- OK Google, set the temperature to 22 degrees

This not only demonstrates LG's commitment to innovative technology in our products, but continuously finding ways of helping busy New Zealand's in their day to day life.





\* Product Registration using both LG Smart ThinQ app & Google app is required. Internet, Wi-Fi connection and Google account required. Data usage may apply. Controlling devices and features requires compatible smart devices. Features and services may be changed without notice. Google is a trademark of Google LLC.



#### **STANDARD**

#### MODEL LINE-UP

#### **DELUXE**

#### **WS Series**

Built-In Wi-Fi





#### WS09TWS

Indoor: WS09TWN Outdoor: WS09TWU

Cooling: 4.5 Heating: 5.0

#### WS12TWS

Indoor: WS12TWN Outdoor: WS12TWU

Cooling: 3.0 Heating: 3.5

#### WS18TWS

Indoor: WS18TWN Outdoor: WS18TWU

Cooling: 2.0 Heating: 2.5

#### WS24TWS

Indoor: WS24TWN Outdoor: WS24TWU

Cooling: 2.0 Heating: 2.0

#### **WH Series**

Built-In Wi-Fi

R32 REFRIGERANT



#### WH09SK-18

Indoor: WH09SKN-18 Outdoor: WH09SKNU-18

Cooling: 5.0/4.5/4.5 Heating: 3.0/3.0/2.5

#### WH12SK-18

Indoor : WH12SKN-18 Outdoor : WH12SKNU-18

Cooling: 5.0/4.5/4.5 Heating: 3.0/2.5/2.0

#### WH18SL-19

Indoor: WH18SLN-19 Outdoor: WH18SLU-19 Cooling: 4.5/4.5/4.5 Heating: 3.0/2.5/2.0

#### WH24SL-18

Indoor: WH24SLN-18 Outdoor: WH24SLU-18 Cooling: 3.5/3.5/3.5 Heating: 3.0/2.0/1.5

#### WH30SR-18

Indoor: WH30SRN-18 Outdoor: WH30SRU-18 Cooling: 3.0/3.0/3.0 Heating: 3.0/2.5/2.0

#### WH34SR-18

Indoor: WH34SRN-18 Outdoor: WH34SRU-18 Cooling: 3.0/3.0/3.0 Heating: 3.0/2.5/1.5

\* Star rating (Hot/Avg/Cold)

# \*OK Google, set the air conditioner to 22 degrees."

WS24SL

Indoor: WS24SLN

Outdoor: WS24SLU

Cooling: 4.0/4.0/4.0

Heating: 3.0/2.5/1.5

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#### Control Your Air Conditioner with Your Voice.

Making it easy to control your air conditioner with your voice. Voice Control through a compatible speaker available in all LG Split

Systems with built-in Wi-Fi.

#### **KEY FEATURES**

#### **SMART**

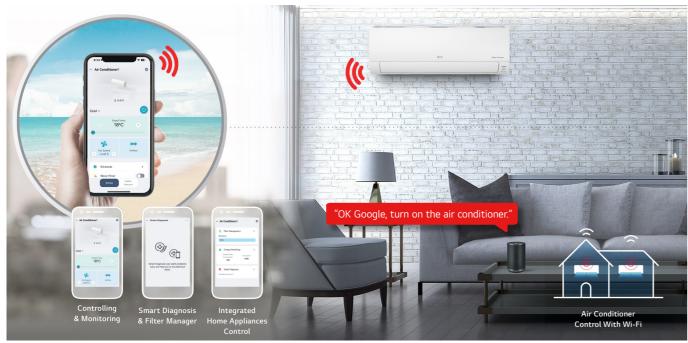
#### **CORE TECHNOLOGY**



#### **Embedded Wi-Fi**

#### Built-in Wi-Fi Smart Control

The LG Smart ThinQ App lets you access and control your air conditioner with your smartphone\* even when you're not at home.



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#### **Smart Diagnosis**

Smart Diagnosis provides usage tips and useful information based on your product usage patterns. If you experience a problem while using the product, we will help you to troubleshoot it using the Smart Diagnosis results.





#### **Smart Inverter Compressor**

#### Temperature control

The Compressor speed of the LG Smart Inverter Compressor™ is constantly adjusted and varied to maintain the desired temperature with less fluctuation than a non-inverter compressor.

# **Non-Inverter Compressor Smart Inverter**

#### **ENERGY EFFICIENCY**

#### **ENERGY EFFICIENCY**



#### **Energy Display & Monitoring**

#### View your real time energy usage

A simple push of the remote control button allows you to conveniently view current energy usage on your air conditioner's panel.





#### Benefit

#### Normal Mode Current Temperature Setting



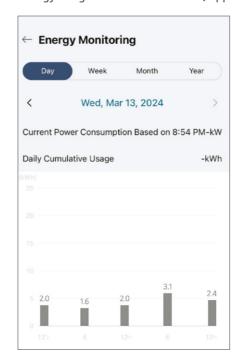






#### **Energy Monitoring**

You can also view your weekly or monthly energy usage on the Smart ThinQ app.



**KEY FEATURES** 

#### Active Energy Control 4 - Step

#### Take tighter control of your energy usage

Active energy control allows the user to adjust the energy levels to improve cooling efficiency and help reduce power consumption.

#### **How It Works**

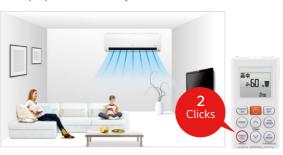
#### Normal. 100% energy usage

Many people and high-activity level



Step 2. 60% energy usage

Fewer people and low-activity levels.



Step 1. 80% energy usage

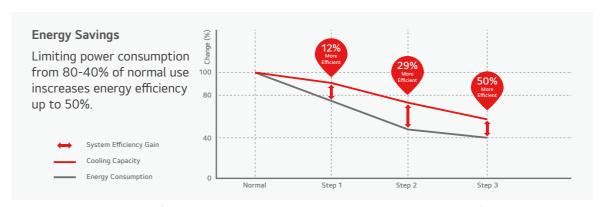
Few people and moderate-activity levels.



Step 3. 40% energy usage

Fewest people with no activity.





<sup>\*</sup> Test Conditions: Temperature. (Indoor Temperature: 27°C DB / 19°C WB, Outdoor Temperature: 35°C), Air Conditioner model WH24.

#### **CLEAN, FILTERED AIR**

#### CLEAN, FILIERED AIF



#### \*Plasmaster\* Ionizer\*\*LUS

#### Plasmaster Ioniser Plus & Auto Cleaning

The Plasmaster Ioniser generates over 3 million plasma ions which filtrate the air in the indoor environment and inside the air conditioning unit itself. The Auto Cleaning function helps to minimise the formation of mould and bacteria on the heat exchanger.

#### **Filtration and Deodorisation**



#### Auto Cleaning

Auto Cleaning dries the coil helping to minimise bacteria, mould and odours that can otherwise accumulate in an indoor unit.









\*Applicable to WS09, 12, 18

#### **KEY FEATURES**

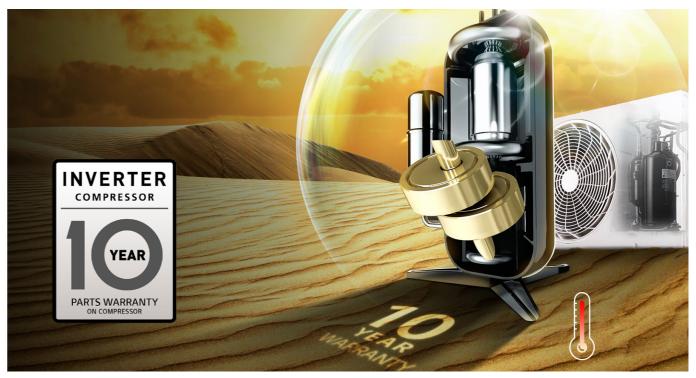
#### **DURABILITY**



#### **10-Year Compressor Parts Warranty**

#### Smart Inverter Compressor™

The LG Smart Inverter Compressor™ is designed to cope with high temperatures, so great for those hot New Zealand conditions. With the 10 year compressor parts warranty\*, you have the peace of mind that you can come home to comfort for years to come.



<sup>\* 5</sup> years parts and labour + 5 years limited parts warranty on the compressor.

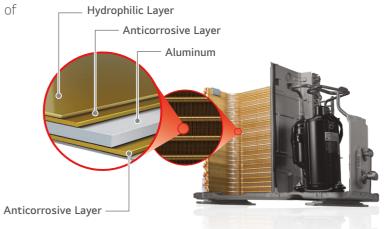


The Gold Fin<sup>™</sup> coating helps protect the surface of the heat exchanger from corrosion.

#### **How It Works**

#### Crosscut View of Heat Exchanger

The gold-coloured special coating on the fin of the heat exchanger helps prevent corrosion.



#### **QUIET & COMFORTABLE**

#### **QUIET & COMFORTABLE**



#### Sleep easy

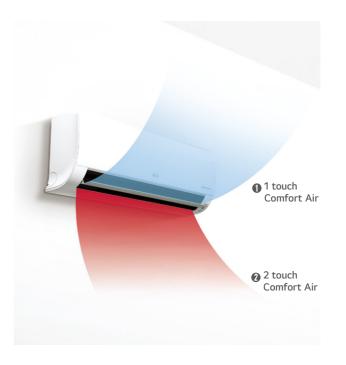
LG air conditioners operate at low sound levels, thanks to the skew fan and Smart Inverter Compressor™ which reduces unnecessary noise.





**KEY FEATURES** 

This option conveniently sets an ACs louvers to a preset position so that outflowing air is directed away from a room's occupants.



Scene 1: Inclines to a maximum 70° angle. Sets vane angle to highest position: Optimised for gentle airflow cooling.



Remote Controller Display



Scene 2: Declines to a maximum 0° angle.
Sets vane angle to lowest position:
Optimised for gentle airflow heating.



Remote Controller Display



#### **KEY FEATURES**

#### **STANDARD**

#### **DELUXE**

©-LE Seathware		Model	WS09TWS	WS12TWS	WS18TWS	WS24TWS	WS24SL
		Cool kW	2.6	3.4	4.8	6.3	7.1
		Heat kW	3.2	4.0	5.9	7.3	7.7
SMART	SMART S		•	•	•	•	•
SIMAILI			•	•	•	•	•
ENERGY	-\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	Energy Display & Monitoring	•	•	•	•	•
EFFICIENCY		Active Energy Control - 4 Step	•	•	•	•	•
CLEAN,		Plasmaster lonizer Plus	Х	Х	Х	Х	Χ
FILTERED AIR		Auto Cleaning	•	•	•	•	•
DURABILITY		10-Year Compressor Parts Warranty	•	•	•	•	•
CORE TECHNOLOGY		Smart Inverter Compressor	•	•	•	•	•
QUIET & COMFORTABLE		Low Noise	•	•	•	•	•
		Comfort Air	•	•	•	•	•
		Quick & Easy Installation	•	•	•	•	•
COMFORT	4	Swing	2-Way	2-Way	2-Way	2-Way	4-Way
COOL	OL *		•	•	•	•	•
CONTROL	DRY CONTACT	Dry Contact	•	•	•	•	•
ENERGY RATING	* * * *	Cooling	4.5	3	2	2	4.0/4.0/4.0
	* * * * *	Heating	5	3.5	2.5	2	3.0/2.5/1.5

91	i bette		Model		WH12SK-18	WH18SL-19	WH24SL-18	WH30SR-18	
		<del></del>	Cool kW	2.5	3.5	5.0	7.1	8.5	9.4
			Heat kW	3.2	4.0	6.0	8.0	9.0	10.3
SMART		Embedded	d Wi-Fi	•	•	•	•	•	•
		Smart Dia	agnosis	•	•	•	•	•	•
ENERGY	(1) (1) (1) (1) (1) (1) (1) (1) (1) (1)	Energy Di & Monitor		•	•	•	•	•	•
EFFICIENCY		Active En Control -	ergy 4 Step	•	•	•	•	•	•
CLEAN,			er` ;	•	•	•	•	•	•
FILTERED AIR		Auto Clear	ning	•	•	•	•	•	•
DURABILITY		10-Year Compressor Parts Warranty		•	•	•	•	•	•
CORE TECHNOLOGY		Smart Inverter Compressor		•	•	•	•	•	•
QUIET & COMFORTABLE		Low Noise	e	•	•	•	•	•	•
		Comfort /	Air	•	•	•	•	•	•
		Quick & E Installatio	asy on	•	•	•	•	•	•
COMFORT	4	Swing		4-Way	4-Way	4-Way	4-Way	4-Way	4-Way
COOL	*	Jet Cool		•	•	•	•	•	•
CONTROL	DRY CONTACT	Dry Contact		•	•	•	•	•	•
ENERGY RATING	* * * *	Cooling		5.0/4.5/4.5	5.0/4.5/4.5	4.5/4.5/4.5	3.5/3.5/3.5	3.0/3.0/3.0	3.0/3.0/3.0
	* * * * *	Heating		3.0/3.0/2.5	3.0/2.5/2.0	3.0/2.5/2.0	3.0/2.0/1.5	3.0/2.5/2.0	3.0/2.5/1.5

#### **CONTROL**

16

#### **Remote Control**



- 1 Comfort Air Mode
- 2 On / Off
- 3 Light Off
- 4 Operation Mode
- **5** Temperature Setting
- 6 Indoor Fan Speed
- **7** Energy Control
- 8 Jet Cool / Jet Heat
- 9 Airflow Control (Up and Down)
- Airflow Control (Left and Right)
- 11 Room Temperature
- 12 Function
- 13 Timer
- 14 Set / Clear

#### **SPECIFICATIONS**

#### **STANDARD**

#### **WS Series**

#### Built-In Wi-Fi

Indoor Unit: WS09TWN / Outdoor Unit: WS09TWU Indoor Unit: WS12TWN / Outdoor Unit: WS12TWU Indoor Unit: WS18TWN / Outdoor Unit: WS18TWU Indoor Unit: WS24TWN / Outdoor Unit: WS24TWU







Model			WS09TWS	WS12TWS	WS18TWS	WS24TWS	WS24SL	
Indoor Unit			WS09TWN	WS12TWN	WS18TWN	WS24TWN	WS24SLN	
Outdoor Unit			Unit	WS09TWU	WS12TWU	WS18TWU	WS24TWU	WS24SLU
0 11		kW	2.6	3.4	4.8	6.3	7.1	
Rated Capacity	Heating		kW	3.2	4.0	5.9	7.3	7.7
Сарастсу		Min ~ Max	kW	0.89 ~ 3.7	0.89 ~ 4.04	0.9 ~ 5.5	0.9 ~ 7.42	1-8
Capacity Range	Cooling	-	kW	0.89 ~ 5.0	0.89 ~ 4.04	0.9 ~ 5.3	0.9 ~ 7.42	1 - 8.5
	Heating	Min ~ Max		0.60		1.46		
Power Input	Cooling	Rated	kW		0.895		1.92	2,15
	Heating Rated		kW	0.743	0.99	1.675	2.235	2.1
Running Current Cooling Rated			A	3.0	4.4	6.5	8.5	9.4
	Heating	Rated	A	3.3	4.7	7.4	9.9	9.2
EER			W/W	4.33	3.80	3.29	3.28	3.30
AEER			-	4.26	3.76	3.27	3.27	3.3
COP			W/W	4.31	4.04	3.52	3.26	3.67
ACOP			-	4.25	4.00	3.5	3.25	3.66
Cooling Cooling		-	4.5 STAR	3.0 STAR	2.0 STAR	2.0 STAR	4.0,4.0,4.0	
Energy Label / St	ai Katiliys	Heating	-	5.0 STAR	3.5 STAR	2.5 STAR	2.0 STAR	3.0,2.5,1.5
Power Supply			Ø, V, Hz	1Ph, 220~240V, 50Hz	1Ph, 220~240V, 50Hz	1Ph, 220~240V, 50Hz	1Ph, 220~240V, 50Hz	1Ph, 220-240V, 50Hz
11.7		Cooling, Max / H / M / L	L/s	200 / 183 / 150 / 92	200 / 183 / 150 / 92	258 / 242 / 217 / 175	305 / 268 / 218 / 175	
	Air Flow Rate	Heating, Max / H / M / L	L/s	208 / 183 / 150 / 108	208 / 183 / 150 / 108	308 / 267 / 225 / 183	330 / 293 / 238 / 183	433 / 333 / 283 / 23
Indoor	Sound Pressure Level	Cooling, Max / H / M / L / SL	dB(A)	48 / 42 / 37 / 27 / 19	48 / 42 / 37 / 27 / 19	49 / 44 / 39 / 34 / 31	49 / 47 / 42 / 34 / 31	- / 46 / 41 / 36 / 27
	Dimensions (W × H × D)	Net	mm	837 x 308 x 189	837 x 308 x 189	998 x 345 x 210	998 x 345 x 210	1,060 x 360 x 265
	Weight	Net	kg	8.5	8.5	11.7	11.7	16.6
	Compressor		-	Twin Rotary	Twin Rotary	Twin Rotary	Twin Rotary	Twin Rotary
	Condenser	Corrosion Protection	-	Gold	Gold	Gold	Gold	Gold
	Sound Pressure Level	Cooling, Rated	dB(A)	49	49	53	54	49
		Heating, Rated	dB(A)	51	51	55	57	52
Outdoor	Sound Power Level		dB(A)	65	65	65	66	63
	Dimensions* (W × H × D)	Net	mm	770 x 545 x 288	770 x 545 x 288	770 x 545 x 288	870 x 650 x 330	870 x 650 x 330
	Weight	Net	kg	35	35	35	45	45.7
	Operation	Cooling	°C DB	-15 ~ 48	-15 ~ 48	-15 ~ 48	-15 ~ 48	-10 ~ 48
	Range	Heating	°C DB	-15 ~ 24	-15 ~ 24	-10 ~ 24	-10 ~ 24	-10 ~ 24
	, . J.	ricacing	0.00	Field Conn		10 21	10 21	10 21
Circuit Breaker			Α			20	25	20
				15	15	20	25	20
Power Supply Cab			No. x mm <sup>2</sup>	3 x 1.0	3 x 1.0	3 x 1.5	3 x 2.5	3 x 2.5
Power Supply to I			-	Outdoor	Outdoor	Outdoor	Outdoor	Outdoor
Power and Comm	unication Cable		No. x mm <sup>2</sup>	4 x 1.0	4 x 1.0	4 x 1.0	4 x 1.0	4 x 1.0
				Field Pi	ping			
	Size	Liquid	mm(inch)	Ø 6.35 (1/4)	Ø 6.35 (1/4)	Ø 6.35 (1/4)	Ø 6.35 (1/4)	ø 6.35 (1/4)
Piping	Size	Gas	mm(inch)	Ø 9.52 (3/8)	Ø 9.52 (3/8)	Ø 12.7 (1/2)	Ø 15.88 (5/8)	ø 12.7 (1/2)
Connections Method		Indoor / Outdoor	-	Flared / Flared	Flared / Flared	Flared / Flared	Flared / Flared	Flared / Flared
Drain Hose Size		O.D, I.D	mm	21.5 / 16	21.5 / 16	21.5 / 16	21.5 / 16	21.5 / 16
Between Indoor & Outdoor	Dining Lawrett	Min ~ Max	m	3 ~ 20	3 ~ 20	3 ~ 20	3 ~ 30	3 ~ 30
	Piping Length	Pre-Charge Length	m	7.5	7.5	7.5	7.5	7.5
	Max. Elevation Difference		m	10	10	10	15	20
& Outdoor	Piping Connection Heat Insulation		-	Both liquid and gas pipes	Both liquid and gas			
Туре		-	R32	R32	R32	R32	R32	
		Pre Charge	g	800	800	1000	1100	1300
Refrigerant Charg	je .	Additional Charge	g/m	20	20	20	20	20
Additional Charge  Control		9/111	Electronic Expansion	Electronic Expansion	Electronic Expansion		Electronic Expansion	

\* Dimensions do not include service valve part/cover.

LG Split System Air Conditioners 17

#### **SPECIFICATIONS**

#### **DELUXE**

#### WH Series

Built-In Wi-Fi

Indoor Unit : WH09SKN-18 / Outdoor Unit : WH09SKNU-18 Indoor Unit : WH12SKN-18 / Outdoor Unit : WH12SKNU-18 Indoor Unit : WH18SLN-19 / Outdoor Unit : WH18SLU-19







Model			WH09SK-18	WH12SK-18	WH18SL-19		
Indoor Unit				WH09SKN-18	WH12SKN-18	WH18SLN-19	
Outdoor Unit			Unit	WH09SKNU-18	WH12SKNU-18	WH18SLU-19	
Rated	Cooling		kW	2.50	3.50	5.00	
Capacity	Heating		kW	3.20	4.00	6.00	
capacity	Cooling	Min ~ Max	kW	0.89 ~ 3.70	0.89 ~ 4.20	1.0 ~ 6.0	
Capacity Range	Heating	Min ~ Max	kW	0.89 ~ 5.0	0.89 ~ 6.0	1.0 ~ 9.0	
	Cooling	Rated	kW	0.52	0.86	1.22	
Power Input	Heating	Rated	kW	0.65	0.87	1.38	
	_	Rated	A	2.80	4.00	5.10	
Running Current	Running Current		A	3.80	4.10	5.10	
Heating Rated  EER		W/W	4.88	4.10	4.10		
AEER			-	4.88	4.07	4.10	
СОР			W/W	4.90	4.60	4.35	
ACOP			-	4.90	4.60	4.35	
Energy Label / St	ar Ratings	Cooling	-	5.0/4.5/4.5	5.0/4.5/4.5	4.5/4.5/4.5	
3,		Heating	-	3.0/3.0/2.5	3.0/2.5/2.0	3.0/2.5/2.0	
Power Supply			Ø, V, Hz	1Ph, 220~240V, 50Hz	1Ph, 220~240V, 50Hz	1Ph, 220~240V, 50Hz	
	Air Flow Rate	Max / H / M / L	L/s	333 / 200 / 166 / 86	333 / 200 / 166 / 86	383 / 283 / 233 / 183	
Indoor	Sound Pressure Level	Cooling, Max / H / M / L / SL	dB(A)	- / 42 / 36 / 26 / 22	- / 42 / 36 / 26 / 22	- / 46 / 41/ 36 / 27	
	Dimensions (W × H × D) Net		mm	998 x 345 x 210	998 x 345 x 210	1,060 / 360 / 265	
	Weight	Net	kg	12.0	12.0	16.6	
!	Compressor		-	Twin Rotary	Twin Rotary	Twin Rotary	
	Condenser	Corrosion Protection	-	Gold	Gold	Gold	
	Sound Pressure	Cooling, Rated	dB(A)	49	49	54	
	Level	Heating, Rated	dB(A)	dB(A) 51 51		57	
	Sound Power Lev	rel	dB(A)	56	59	60	
	Dimensions* (W × H × D)	Net	mm	770 x 545 x 288	770 x 545 x 288	870 x 650 x 330	
	Weight	Net	kg	35	35	45.7	
	Operation	Cooling	°C DB	-10 ~ 48	-10 ~ 48	-10 ~ 48	
	Range	Heating	°C DB	-10 ~ 24	-10 ~ 24	-10 ~ 18	
				Field Connections			
Circuit Breaker			A	15	15	20	
Power Supply Cable		No. x mm <sup>2</sup>	3 x 1.0	3 x 1.0	3 x 2.5		
Power Supply to Unit		-	Outdoor	Outdoor	Outdoor		
Power and Comm	unication Cable		No. x mm <sup>2</sup>	4 x 1.0	4 x 1.0	4 x 1.0	
				Field Piping			
		Liquid	mm(inch)	Ø 6.35 (1/4)	Ø 6.35 (1/4)	Ø 6.35 (1/4)	
Distant	Size	Gas	mm(inch)	Ø 9.52 (3/8)	Ø 9.52 (3/8)	Ø 12.7 (1/2)	
Piping	Connections Method	Indoor / Outdoor	-	Flared / Flared	Flared / Flared	Flared / Flared	
Drain Hose Size			mm	21.5, 16.0	21.5, 16.0	20.0, 15.0	
		Min ~ Max	m	3 ~ 20	3 ~ 20	3 ~ 30	
Between Indoor	Piping Length	Pre-Charge Length	m	12.5	12.5	7.5	
& Outdoor			m	10	10	20	
		Max. Elevation Difference		Both liquid and gas pipes	Both liquid and gas pipes	Both liquid and gas pipes	
Piping Connection Heat Insulation			-	R32	R32	R32	
		Type Pro Chargo		900	900		
Refrigerant Charg	je	Pre Charge	g «/m			1300	
		Additional Charge	g/m	20	20	20	
		Control	-	Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve	

#### **SPECIFICATIONS**

#### **DELUXE**

#### **WH Series**

#### Built-In Wi-Fi

Indoor Unit: WH24SLN-18 / Outdoor Unit: WH24SLU-18 Indoor Unit: WH30SRN-18 / Outdoor Unit: WH30SRU-18 Indoor Unit: WH34SRN-18 / Outdoor Unit: WH34SRU-18







WH34SRN-18   WH3								
Very	Model				WH24SL-18	WH30SR-18	WH34SR-18	
WH34SRI-18   WH35SRI-18   WH3	Indoor Unit			Linit	WH24SLN-18	WH30SRN-18	WH34SRN-18	
Pactify   Pact	Outdoor Unit			UIIL	WH24SLU-18	WH30SRU-18	WH34SRU-18	
A Flow Rate   Star Ratings   Cooling   Mar   Max   M	Rated	Cooling		kW	7.10	8.50	9.40	
Marthop    Marthop	Capacity	Heating		kW	8.00	9.00	10.30	
Heating   Min - Max   NW   1.0 - 10.60   2.0 - 12.0   2.0 - 12.8	Canasitu Danas	Cooling	Min ~ Max	kW	1.0 ~ 8.60	2.0 ~ 9.50	2.0 ~ 11.20	
	Lapacity Range	Heating	Min ~ Max	kW	1.0 ~ 10.60	2.0 ~ 12.0	2.0 ~ 12.8	
Heating   Rated   RW   1.99   2.24   2.74		Cooling	Rated	kW	1.89	2.26	2.68	
Mark   Heating   Rated   A   8.90   10.00   12.30   Rated   A   8.90   3.76   3.51   Rate   A   8.90   3.76   3.51   Rated   A   8.90   3.76   3.51   Rate   A   8.90   A   8.90   3.76   3.51   Rated   A   8.90   A   8.	Power Input	Heating	Rated	kW	1.99	2.24	2.74	
Reating   Mated   A   8.90   10000   12.30		Heating  Cooling Min ~ Max  Heating Min ~ Max  Cooling Rated  Heating Rated  Heating Rated  Heating Rated  Cooling Rated  Heating Rated  Heating Rated  Heating Rated  Star Ratings  Cooling Rated  Heating Rated  Max / H / M / L  Sound Pressure Cooling, Max / H / M / L / SL  Dimensions (W × H × D)  Weight Net  Compressor  Condenser Corrosion Protect  Sound Pressure Level Heating, Rated  Sound Power Level  Dimensions* (W × H × D)  Weight Net  Cooling, Rated  Heating, Rated  Sound Power Level  Dimensions* (W × H × D)  Weight Net  Operation Cooling  Range Heating  Cable  O Unit  Inmunication Cable  Size Liquid  Gas  Connections Indoor / Outdoor	Rated	А	8.40	10.10	12.00	
Part	Running Current	Heating	Rated	А	8.90	10.00	12.30	
Part	EER			W/W	3.76	3.76	3.51	
A	AEER			-	3.76	3.76	3.51	
Cooling   -	COP			W/W	4.02	4.02	3.76	
Cooling   -   3.5/3.5/3.5   3.0/3.0/3.0   3.0/3.0/3.0     Heating   -   3.5/3.5/3.5   3.0/3.0/3.0   3.0/3.0/3.0     Heating   -   3.0/2.0/1.5   3.0/2.5/2.0   3.0/2.5/1.5     Source   Source	ACOP							
Heating   -			Cooling					
Air Flow Rate   Max / H / M / L   L/s   383 / 283 / 233 / 183   516 / 416 / 350 / 283   516 / 416 / 42 / 33   516 / 416 / 42 / 33   516 / 416 / 42 / 33   516 / 416 / 42 / 33   516 / 416 / 42 / 33   516 / 416 / 42 / 33   516 / 416 / 42 / 33   516 / 416 / 42 / 33   516 / 416 / 42 / 33   516 / 416 / 42 / 33   516 / 416 / 42 / 33   516 / 416 / 42 / 33   516 / 416 / 42 / 33   516 / 416 / 42 / 33   516 / 416 / 42 / 33   516 / 416 / 42 / 33   416 / 42 / 33   416 / 42 / 33   416 / 42 / 33   416 / 42 / 33   416 / 42 / 33   416 / 42 / 33   416 / 42 / 33   416 / 42 / 33   416 / 42 / 33   416 / 42 / 33   416 / 42 / 33   416 / 42 / 33   416 / 42 / 33   416 / 42 / 33   416 / 42 / 43 / 416 / 42 / 43 / 416 / 42 / 43 / 416 / 42 / 43 / 416 / 42 / 43 / 416 / 42 / 43 / 416 / 42 / 43 / 416 / 42 / 43 / 416 / 42 / 416 / 42 / 43 / 416 / 42 / 416 / 42 / 416	Energy Label / Sta	ar Ratings		_				
Air Flow Rate   Max / H / M / L   L/s   383 / 283 / 233 / 183   516 / 416 / 350 / 283   516 / 416 / 42 / 33   7 / 51 / 46 / 42 / 41 / 40 / 40 / 40 / 40 / 40 / 40 / 40								
Sound Pressure   Cooling, Max / H / M / L / St.				· · · · · · · · · · · · · · · · · · ·				
Dimensions   Weight   Net   Met		Sound Pressure	Cooling, Max /					
Weight   Net   kg   16.6   18.50   18.50   18.50   18.50	ndoor	Dimensions		mm	1,060 x 360 x 265	1,200 x 360 x 265	1,200 x 360 x 265	
Compressor   Corrosion Protection   Cooling, Rated   Co		Weight Net		ka	16.6	18.50	18.50	
Condenser   Corrosion Protection   -   Gold   Gol			1.122					
Cooling, Rated   dB(A)   55   55   55   55	Outdoor				,			
Level   Heating, Rated   dB(A)   56   57   57				dB(A)				
Sound Power Level   dB(A)   62   65   65								
Dimensions* (W × H × D)								
Weight   Net   kg   59.4   64.6   64.6		Dimensions*						
Operation Range         Cooling Heating         °C DB         -10 ~ 48         -10 ~ 48         -10 ~ 48         -10 ~ 48         -10 ~ 48         -10 ~ 48         -10 ~ 48         -10 ~ 48         -10 ~ 48         -10 ~ 48         -10 ~ 48         -10 ~ 48         -10 ~ 48         -10 ~ 48         -10 ~ 48         -10 ~ 48         -10 ~ 48         -10 ~ 48         -15 ~ 24         -15 ~ 25         25         25         25         25         25         3 × 2.5         3 × 2.5         3 × 2.5         3 × 2.5         3 × 2.5         3 × 2.5         3 × 2.5         3 × 2.5         3 × 2.5         3 × 2.5         4 × 1.0         4 × 1.0         4 × 1.0         4		$(W \times H \times D)$	H × D)		950 x 832 x 330	950 x 832 x 330	950 x 832 x 330	
Range   Heating   °C DB   -15 ~ 24   -15 ~ 24   -15 ~ 24		Weight	Net	kg	59.4	64.6	64.6	
Field Connections   Flared   Flare		Operation	Cooling	°C DB	-10 ~ 48	-10 ~ 48	-10 ~ 48	
Counections   Match   Match		Range	Heating	°C DB	-15 ~ 24	-15 ~ 24	-15 ~ 24	
No. x mm²   3 x 2.5   3					Field Connections			
No. x mm²   3 x 2.5   3	Circuit Breaker			А	25	25	25	
No. x mm²   A x 1.0   A x 1.0   A x 1.0   A x 1.0		le			-			
No. x mm²   4 x 1.0   4			_					
Size   Liquid   mm(inch)   Ø 9.52 (3/8)   Ø 9.52 (3/8)   Ø 9.52 (3/8)   Ø 9.52 (3/8)	Power and Communication Cable		No. x mm <sup>2</sup>					
Size   Liquid   mm(inch)   Ø 9.52 (3/8)   Ø 9.52 (3/8)   Ø 9.52 (3/8)   Ø 9.52 (3/8)				***************************************	111111			
Size         Gas         mm(inch)         Ø 15.88 (5/8)         Ø 15.88 (5/8)         Ø 15.88 (5/8)           Connections Method         Indoor / Outdoor         -         Flared / Flared         Flared / Flared         Flared / Flared           ain Hose Size         O.D, I.D         mm         20,15         20,15         20,15			Liquid	mm(inch)		Ø 9 52 (3/8)	Ø 9 52 (3/8)	
Connections Method         Indoor / Outdoor         -         Flared / Flared         Flared / Flared         Flared / Flared           ain Hose Size         O.D, I.D         mm         20,15         20,15         20,15	Piping	Size	<u> </u>					
Method		Connections		min(men)	, ,			
	Method Indoor / Outdoor			,		-		
	Drain Hose Size			mm				
Pining Length	Between Indoor	Pining Length	Min ~ Max	m	3 ~ 30	3 ~ 30	3 ~ 30	
tween Indoor Pre-Charge Length m 7.5 7.5		ping Length	Pre-Charge Length	m	7.5	7.5	7.5	
Outdoor Max. Elevation Difference m 20 20 20	& Outdoor	Max. Elevation Difference		m	20	20	20	
Piping Connection Heat Insulation - Both liquid and gas pipes Both liquid and gas pipes Both liquid and gas pipe		Piping Connectio	n Heat Insulation	-	Both liquid and gas pipes	Both liquid and gas pipes	Both liquid and gas pipes	
Type - R32 R32 R32			Туре	-	R32	R32	R32	
Pre Charge g 1750 2000 2000	Defriesess Char		Pre Charge	g	1750	2000	2000	
Additional Charge g/m 20 20 20	Refrigerant Charg	е	Additional Charge		20	20	20	
Control - Electronic Expansion Valve Electronic Expansion Valve Electronic Expansion Valve			Control	-	Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve	

<sup>\*</sup> Dimensions do not include service valve part/cover.

<sup>\*</sup> Dimensions do not include service valve part/cover.

#### **DETAILED FEATURE LIST**

#### **STANDARD**

#### WS24SL-23 Category Function WS09TWS WS12TWS WS18TWS WS24TWS Air Supply Outlet Airflow Direction Control (Left & Right) Fixed Fixed Fixed Fixed 5 Steps 6 Steps 6 Steps Airflow Direction Control (Up & Down) 6 Steps 6 Steps 6 Steps Auto Swing (Left & Right) Air Flow Auto Swing (Up & Down) Fan Speed Steps (Fan / Cool / Heat Natural Wind (Auto Wind) •/• •/• •/• •/• Jet Cool / Jet Heat (Power Wind) •/• Comfort Air Pre-filter (Washable) Deodorising Filter Micro Dust Filter Filtration Multi Protection Filter Plasma Air Filter (Ionizer) Installation Drain Pump Hot Start Self Diagnosis De-Ice Control (Defrost) Dry (Dehumidification) Operation Auto Changeover Auto Operation (Artificial Intelligence) Auto Cleaning (Coil Dry) Auto Restart Operation Child Lock<sup>1</sup> Forced Operation Group Control<sup>1</sup> Sleep Mode Timer 24hr (On/Off) / 7hr (Off) Two Thermistor Control<sup>1</sup> Low Ambient Operation Overheating Protection Low Heating Voice Control Smart Scan (PIR) LG AC Tag On (NFC) Outdoor Silent Mode Mosquito Away Smart Diagnosis Indoor Unit Display Type Number Display Number Display Number Display Number Display Number Display Indoor Unit Display Light On / Off On / Off On / Off On / Off On/Off Energy Display Energy Saving Energy Saving Energy Contro Active Energy Control | Active Energy Control | Active Energy Control | Active Energy Control | Active Energy Control Gen Mode Wired Remote Controller (Premium)<sup>2</sup> Wired Remote Controller (Standard)<sup>2</sup> Wired Remote Controller Χ (Simple with Mode Selection)<sup>2</sup> PQRCVSL0(QW) / Individual Control Wired Remote Controller Χ Χ Χ X (Simple without Mode Selection)<sup>2</sup> PREMTB(0/B)01 Hand-held (See Remote Controller Section) AKB74955603 AKB74955603 AKB74955603 AKB74955603 AKB74955603 Setting Temperature Range (Cooling) 18~30 °C (64~86 °F) Setting Temperature Range (Heating) 16~30 °C (60~86 °F) General Control Controller (Non LGAP) Network Solution (LGAP) CAC Network PQDSB1, PQDSBC, Dry Contact 2 • Function PQDSBC1, PQDSBNGCM1 PDI (Power Distribution Indicator) <sup>2</sup> Outdoor Unit PI 485<sup>2</sup> Wi-Fi <sup>2</sup> Embedded Embedded Embedded Embedded Embedded<sup>3</sup> Special Function Kit Smart Inverter Monitoring System (SIMs)<sup>2</sup> PSWM073 PSWM073 PSWM073 PSWM073 PSWM073 Cooling Only or Heating Only Heating Only Heating Only Heating Only Heating Only Others Temperature Control Thermistor Thermistor Thermistor DRED (Demand Response Enabling Device)

#### Note

• : Applied, X : Not Applied

Filters are optional in some specific areas.

: This function can be operated only when the wired remote controller is connected. The applicability of each function depends on the above table.

• <sup>2</sup> : Optional accessories must be purchased separately. If shown as "Embedded", this function is included in product.
• The function Wi-Fi is only compatible with 2.4 GHz band. (802.11 b/g/n)

Some specifications may be changed without notifications due to our policy of innovation

• The air conditioner which DRED is available is capable of DRM1, DRM2 and DRM3 and complies with standard AS/NZS 4755.3.1.

#### **DETAILED FEATURE LIST**

#### **DELUXE**

Category	Function		WH09SK-18	WH12SK-18	WH18SL-19	WH24SL-18	WH30SR-18	WH34SR-18
	Air Supply O	utlet	1	1	1	1	1	1
	Airflow Direct	tion Control (Left & Right)	5 Steps	5 Steps	5 Steps	5 Steps	5 Steps	5 Steps
		tion Control (Up & Down)	6 Steps	6 Steps	6 Steps	6 Steps	6 Steps	6 Steps
		Left & Right)	•	•	•	•	•	•
Air Flow	Auto Swing (	-	•	•	•	•	•	•
	Fan Speed Steps (Fan / Cool / Heat		6/6/6	6/6/6	6/6/6	6/6/6	6/6/6	6/6/6
	Natural Wind (Auto Wind)		•/•	• / •	• / •	•/•	• / •	•/•
	Jet Cool / Jet	t Heat (Power Wind)	•	•	•	•	•	•
	Comfort Air		•	•	•	•	•	•
Air	Pre-filter (Wa	ashable)	•	•	•	•	•	•
iltration	Plasma Air F	ilter (Ionizer)	•	•	•	•	•	•
	Hot Start		•	•	•	•	•	•
	Self Diagnos	is	•	•	•	•	•	•
Reliability	De-Ice Contr		•	•	•	•	•	•
		dification) Operation	•	•	•	•	•	•
	Auto Change	, ,	•	•	•	•	•	•
	Auto Cleanin		X	X	X	X	X	X
	Auto Restart	*	•	•	•	•	•	•
Convenience	Forced Opera		•	•	•	•	•	•
	Group Control <sup>1</sup>		X	X	X	•	•	•
	Sleep Mode		7hr	7hr	7hr	7hr	7hr	7hr
	Timer 24hr (On/Off) / 7hr (Off)		• / X	• / X	• / X	• / X	• / X	X / •
	Two Thermistor Control <sup>1</sup>		•	•	•	•	•	
		Low Ambient Operation		•	•	•	•	
	Overheating Protection		•	•	•	•	•	•
			•	•	•	•	•	•
		Outdoor Silent Mode		•		•	•	•
		Smart Diagnosis		Number Display	Number Display	Number Display	Number Display	Number Display
		Indoor Unit Display Type		On / Off	On / Off	On / Off	On / Off	On / Off
	Indoor Unit Display Light		On / Off	0117011	0117011	0117 011	017 011	0117 011
	Energy Display				-	_	Active Energy	
Energy Saving	Energy Control		Active Energy Control	Active Energy Control	Active Energy Control	Active Energy Control	Control	Active Energy Control
	Wired Remote Controller (Standard) <sup>2</sup>					PREMTB001	PREMTB001	PREMTB001
Individual Control		(See Remote Controller Section)	AKB74955603	AKB74955603	AKB74955603	AKB74955603	AKB74955603	AKB74955603
	Hand-held Wireless	Setting Temperature Range (Cooling)	18~30 °C (64~86 °F)	18~30 °C (64~86 °F)	18~30 °C (64~86 °F)	18~30 °C (64~86 °F)	18~30 °C (64~86 °F)	18~30 °C (64~86 °F)
	Controller	Setting Temperature Range (Heating)	16~30 °C (60~86 °F)	16~30 °C (60~86 °F)	16~30 °C (60~86 °F)	16~30 °C (60~86 °F)	16~30 °C (60~86 °F)	16~30 °C (60~86 °F)
	Network Soli	Network Solution (LGAP)		•	•	•	(00 00 1)	•
CAC Network Function	Dry Contact <sup>2</sup>		PDRYCB000, PDRYCB100, PDRYCB400, PDRYCB500	PDRYCB000, PDRYCB100, PDRYCB400, PDRYCB500	PDRYCB000, PDRYCB100, PDRYCB400, PDRYCB500	PQDSB1, PQDSBC, PQDSBC1, PQDSBNGCM1	PQDSB1, PQDSBC, PQDSBC1, PQDSB- NGCM1	PQDSB1, PQDSBC, PQDSBC1, PQDSBNGCM1
	Outdoor Unit	PI 485 <sup>2</sup>	PMNFP14A*	PMNFP14A*	PMNFP14A*	PMNFP14A1	PMNFP14A1	PMNFP14A1
Special	Wi-Fi		Embedded	Embedded	Embedded*	Embedded	Embedded	Embedded
Function Kit	Smart Invert	er Monitoring System (SIMs) <sup>2</sup>	PSWMOZ3	PSWMOZ3	PSWMOZ3	PSWM0Z3	PSWMOZ3	PSWM0Z3
Others		nd Response Enabling Device)	•	•	•	•	•	•

#### Note

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· Filters are optional in some specific areas.

• 1: This function can be operated only when the wired remote controller is connected. The applicability of each function depends on the above table.

ullet 2 : Optional accessories must be purchased separately. If shown as "Embedded", this function is included in product.  $\bullet$  The function Wi-Fi is only compatible with 2.4 GHz band. (802.11 b/g/n)

Some specifications may be changed without notifications due to our policy of innovation

• The air conditioner which DRED is available is capable of DRM1, DRM2 and DRM3 and complies with standard AS/NZS 4755.3.1.

#### WHY LG AIR CONDITIONERS?

#### Years of Experience

LG has been keeping New Zealand comfortable with Home Appliances. With our advanced technology and reliable heating and cooling solutions, You can count on LG to bring you comfort in your home.

#### 10 Year Compressor Parts Warranty

The LG Smart Inverter Compressor<sup>™</sup> is designed to cope with high temperatures, so great for those hot New Zealand conditions. With the 10 year compressor parts warranty\*, you have the peace of mind that you can come home to comfort for years to come.

\* 5 years parts and labour + 5 years limited parts warranty on the compressor.

#### Smart Technology\*

LG is committed to continuous improvement of our products and incorporating the latest technology in all of our products. Our Split System air conditioners not only have features to efficiently heat or cool your come, but also technology to help make it more convenient as well such as embedded WiFi – so you can control your unit with your Smartphone, even when you're not home.

LG air conditioners are now also compatible with Google Home, enabling you to control your air conditioner with the sound of your voice.

\* Product Registration using both LG Smart ThinQ app & Google app is required. Internet, Wi-Fi connection and Google account required. Data usage may apply. Controlling devices and features requires compatible smart devices. Features and services may be changed without notice. Google is a trademark of Google LLC.



