



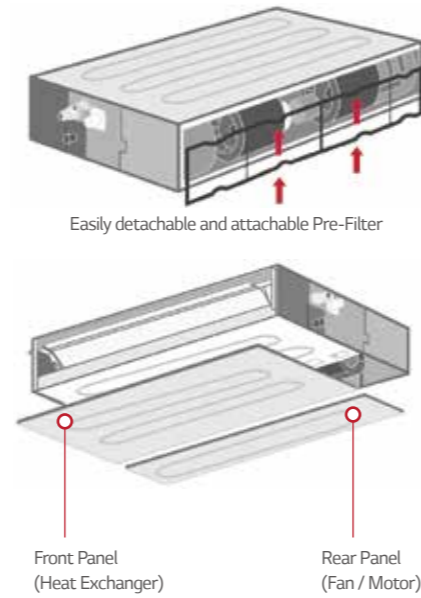
# الإنفيرتر الاستوائي من إل جي LG INVERTER SINGLE SPLIT



## Ceiling Concealed Duct

### Easy Service and Maintenance

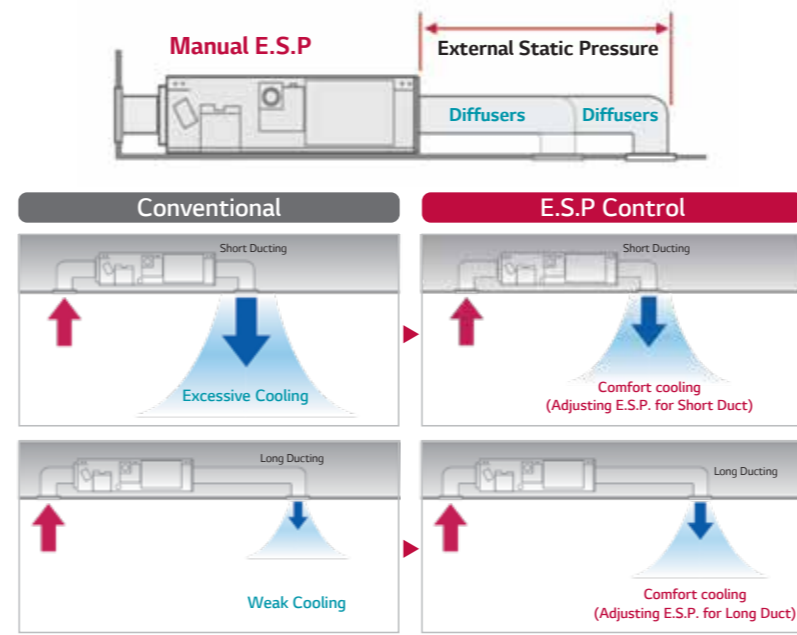
Since the panels are divided into panel for heat exchanger and panel for fan / motor, there is no need to open the entire panel for maintenance



## جهاز دكت مخفي في السقف

### E.S.P. (External Static Pressure) Control

The air volume rate can be controlled according to the external static pressure through E.S.P. (External Static Pressure) Control Function



## SPECIFICATION

### CEILING CONCEALED DUCT

Combination	Outdoor unit		Unit	ABUW18GM1S2/GM1T5	ABUW24GM1S2/GM1T5	ABUW30GM1S2	ABUW36GM2S2/GM3T5	ABUW48GM3S2/GM3T5	ABUW60GM3S2/GM3T5
	Indoor unit			ABNW18GM1S2/GM1T5	ABNW24GM1S2/GM1T5	ABNW30GM1S2	ABNW36GM2S2/GM3T5	ABNW48GM3S2/GM3T5	ABNW60GM3S2/GM3T5
Capacity	Cooling <sup>1</sup>	Min - Rated - Max @T1	kW	4.98	7.15	7.76	10.5	14.06	17.00
		Rated @T3	kW	4.36	5.74	6.21	8.50	11.72	13.24
	Cooling <sup>2</sup>	Min - Rated - Max	Btu/h	7,200 - 17,000 - 20,000	9,600 - 24,400 - 26,000	9,600 - 26,500 - 28,500	12,800 - 36,000 - 38,000	19,200 - 48,000 - 54,000	21,600 - 58,000 - 58,100
		Rated @T3	Btu/h	14,900	19,600	21,200	29,000	40,000	45,200
	Heating	Min - Rated - Max	Btu/h	5.00	7.40	7.80	9.60	14.80	16.40
		Rated @T1	Btu/h	18,000	25,200	26,600	32,700	50,500	56,000
Power Input	Cooling <sup>1</sup>	Rated @T1	kW	1.37	2.22	2.60	3.36	3.87	5.19
	Cooling <sup>2</sup>	Rated @T3	kW	1.72	2.25	2.56	3.37	4.39	5.68
EER / COP	Heating	Rated	kW	1.26	1.95	2.3	2.4	3.7	4.61
	W/W			3.6 / 4.2	3.2 / 3.8	3.0 / 3.4	3.1 / 4	3.6 / 4	3.27 / 3.55
Piping Connections	Liquid Side	mm (inch)		Ø 6.35 (1/4)	Ø 9.52 (3/8)	Ø 9.52 (3/8)	Ø 9.52 (3/8)	Ø 5.32 (3/8)	Ø 6.35 (1/4)
	Gas Side	mm (inch)		Ø 12.7 (1/2)	Ø 15.88 (5/8)	Ø 15.88 (5/8)	Ø 15.88 (5/8)	Ø 19.05 (3/4)	Ø 19.05 (3/4)
	Drain Pipe	mm		Ø 32.0 / 25.0	Ø 32.0 / 25.0	Ø 32.0 / 25.0	Ø 32.0 / 25.0	Ø 32.0 / 25.0	Ø 32.0 / 25.0
Outdoor									
Compressor	V, Ø, Hz			Twin Rotary	Twin Rotary	Twin Rotary	Twin Rotary	Twin Rotary	Twin Rotary
Power Supply	V, Ø, Hz			220-240, 1, 50	220-240, 1, 50	220-240, 1, 50	220-240, 1, 50	220-240, 1, 50	220-240, 1, 50
Wiring Connections	No. x mm <sup>2</sup> (AWG)			3C x 2.5	3C x 2.5	3C x 2.5	3C x 2.5	3C x 6.0	3C x 6.0
Running Current	Cooling <sup>1</sup>	Rated	A	6	9.7	11.4	14.8	17	22.8
	Heating	Rated	A	5.5	8.6	10.1	10.5	16.2	20.2
Dimensions	W x H x D		mm	770 x 545 x 288	870 x 650 x 330	870 x 650 x 330	950 x 834 x 330	950 x 1380 x 330	950 x 1380 x 330
Weight	kg (lbs)			31.8 (70.5)	45.5 (100.3)	45.5 (100.3)	58.9 (130.0)	93.5 (206.3)	93.5 (206.3)
Refrigerant	Type			R410A	R410A	R410A	R410A	R410A	R410A
	Motor Type			Axial	Axial	Axial	Axial	Axial	Axial
Fan	Air Flow Rate	m <sup>3</sup> /min x No.		28 x 1	50 x 1	50 x 1	60 x 1	60 x 2	60 x 2
	Type			BLDC	BLDC	BLDC	BLDC	BLDC	BLDC
Fan Motor	Output	W x No.		43 x 1	85 x 1	85 x 1	124.2 x 1	124.2 x 2	124.2 x 2
	Type			BLDC	BLDC	BLDC	BLDC	BLDC	BLDC
Sound Pressure Level	Cooling <sup>1</sup>	Rated	(dB(A))	49	50	50	51	55	55
	Heating	Rated	(dB(A))	51	52	52	53	57	57
Piping Length	Max.	m (ft)		30	50	50	50	50	50
	Maximum Height Difference (ODU - IDU)	Max.	m (ft)	20	30	30	30	30	30
Operation Range (Outdoor Temperature)	Cooling <sup>1</sup>	Min. - Max.	°C/DB	0 - 54	0 - 54	0 - 54	0 - 54	0 - 54	0 - 54
	Indoor								
Power Supply			V, Ø, Hz	220-240, 1, 50	220-240, 1, 50	220-240, 1, 50	220-240, 1, 50	220-240, 1, 50	220-240, 1, 50
Dimensions			W x H x D	mm	840 x 204 x 840	840 x 204 x 840	840 x 204 x 840	840 x 204 x 840	840 x 204 x 840
Net Weight			kg (lbs)	21 (46.3)	21 (46.3)	21 (46.3)	21 (46.3)	21 (46.3)	21 (46.3)
Fan Motor	Air Flow Rate	H/M/L		16.5 / 14.5 / 13.0	17.0 / 15.0 / 13.0	17.0 / 15.0 / 13.0	19.0 / 17.0 / 15.0	28.5 / 24.5 / 21.0	32.0 / 30.0 / 27.5
	Type			BLDC	BLDC	BLDC	BLDC	BLDC	BLDC
Sound Pressure Level	Cooling <sup>1</sup>	H/M/L	(dB(A))	38 / 36 / 34	40 / 38 / 36	40 / 38 / 36	42 / 39 / 37	48 / 46 / 44	52 / 51 / 48
	Heating	H/M/L	(dB(A))	38 / 36 / 34	40 / 38 / 36	40 / 38 / 36	42 / 39 / 37	48 / 46 / 44	52 / 51 / 48
Power and Communication Cable (Included Earth)			No. x mm <sup>2</sup> (AWG)	4C x 0.75 (18)	4C x 0.75 (18)	4C x 0.75 (18)	4C x 0.75 (18)	4C x 0.75 (18)	4C x 0.75 (18)
Model Name				PT-MCHW0	PT-MCHW0	PT-MCHW0	PT-MCHW0	PT-MCHW0	PT-MCHW0
Color				Morning Fog	Morning Fog	Morning Fog	Morning Fog	Morning Fog	Morning Fog
Dimensions			W x H x D	mm	950 x 25 x 950	950 x 25 x 950	950 x 25 x 950	950 x 25 x 950	950 x 25 x 950
Net Weight			kg (lbs)	5.0 (11.0)	5.0 (11.0)	5.0 (11.0)	5.0 (11.0)	5.0 (11.0)	5.0 (11.0)
Shipping Weight			kg (lbs)	8.8 (19.4)	8.8 (19.4)	8.8 (19.4)	8.8 (19.4)	8.8 (19.4)	8.8 (19.4)

### Notes

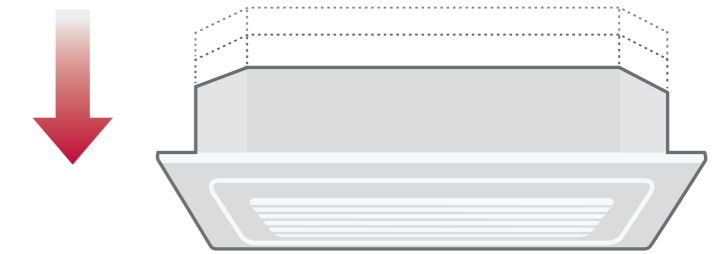
- Cooling<sup>1</sup>: Indoor Temperature 27°C (80.6°F) DB / 19°C (66.2°F) WB, Outdoor Temperature 35°C (95°F) DB / 24°C (75.2°F) WB
- Cooling<sup>2</sup>: Indoor Temperature 29°C (84.2°F) DB / 19°C (66.2°F) WB, Outdoor Temperature 46°C (114.8°F) DB / 24°C (75.2°F) WB
- Heating Temperature: Indoor 20°C (68°F) DB / 15°C (59°F) WB, Outdoor 7°C (44.6°F) DB / 6°C (42.8°F) WB
- The specifications are subject to change without prior notice for product improvement, please check with the dealer.

## Ceiling Mounted Cassette

### Space Saving

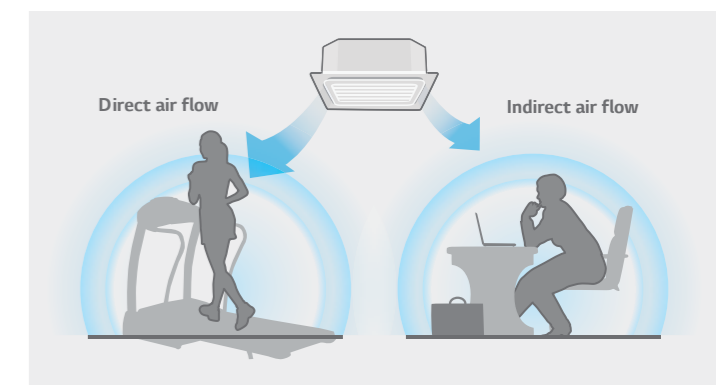
The indoor unit with slim and compact size has reduced the restriction which enables successful installation in various spaces.

## جهاز كاسيت مخفي في السقف



### Comfort Cooling for every corner

The independent vane operation feature uses separate motors, making it possible to control all four vanes independently.



## SPECIFICATION

### MOUNTED CASSETTE

Combination	Outdoor unit		Unit	AUW18GS1/ATUW18GPL1	AUW24GS1/ATUW24GPL1	AUW30GS1/ATUW30GPL1	AUW36GS1/ATUW36GMLS1	ATUW48GMLS1	ATUW54GMLS1
	Indoor unit			ATNW18GPL1	ATNW24GPL1	ATNW30GPL1	ATNW36GMLS1	ATNW48GMLS1	ATNW54GMLS1
Capacity	Cooling <sup>1</sup>	Min - Rated - Max @T1	kW	1.8 - 5.2 - 5.5	2.8 - 7.0 - 8.1	3.0 - 7.8 - 8.4	4.0 - 10.5 - 11.0	5.6 - 14.0 - 15.0	6.0 - 15.0 - 16.0
		Rated @T3	kW	4.20	5.75	6.40	8.70	12.10	14.40
	Cooling <sup>2</sup>	Min - Rated - Max	Btu/h	6,100 - 17,700 - 18,800	9,600 - 23,900 - 27,600	10,200 - 26,600 - 28,700	13,600 - 35,800 - 37,500	19,100 - 47,800 - 51,200	20,500 - 51,200 - 54,600
		Rated @T3	Btu/h	14,300	19,600	21,800	29,700	41,300	42,300
	Heating	Min - Rated - Max	Btu/h	1.9 - 5.3 - 5.8	3.0 - 7.6 - 8.6	3.2 - 8.4 - 8.8	4.3 - 11.2 - 11.7	6.1 - 15.3 - 16.5	6.8 - 16.9 - 18.2
		Rated @T1	Btu/h	6,500 - 18,100 - 19,800	10,200 - 25,900 - 29,300	10,900 - 28,700 - 30,000	14,700 - 38,200 - 39,900	20,800 - 52,200 - 56,300	23,200 - 57,700 - 62,100
Power Input	Cooling <sup>1</sup>	Rated @T1	kW	1.620	2.225	2.590	3.490	4.380	4.950
	Cooling <sup>2</sup>	Rated @T3	kW	1.750	2.600	3.150	3.500	5.140	5.250
EER / COP	Heating	Rated	kW	1.560	2.235	2.770	3.190	4.490	5.450
	W/W			3.21 / 3.41	3.01 / 3.40	3.01 / 3.01	3.00 / 3.51	3.20 / 3.41	3.03 / 3.10
Piping Connections	Liquid Side	mm (inch)		Ø 6.35 (1/4)	Ø 9.52 (3/8)	Ø 6.35 (1/4)	Ø 9.52 (3/8)	Ø 9.52 (3/8)	Ø 9.52 (3/8)
	Gas Side	mm (inch)		Ø 12.7 (1/2)	Ø 15.88 (5/8)	Ø 12.7 (1/2)	Ø 15.88 (5/8)	Ø 19.05 (3/4)	Ø 19.05 (3/4)
	Drain Pipe	mm		Ø 32 / 25	Ø 32 / 25	Ø 32 / 25	Ø 32 / 25	Ø 32 / 25	Ø 32 / 25
Outdoor									
Compressor	V, Ø, Hz			LG Twin Rotary Inverter	LG Twin Rotary Inverter	LG Twin Rotary Inverter	LG Twin Rotary Inverter	LG Twin Rotary Inverter	LG Twin Rotary Inverter
Power Supply	V, Ø, Hz			220-240, 1, 50	220-240, 1, 50	220-240, 1, 50	220-240, 1, 50	220-240, 1, 50	220-240, 1, 50
Wiring Connections	No. x mm <sup>2</sup> (AWG)			3C x 2.5 (12)	3C x 2.5 (12)	3C x 2.5 (12)	3C x 2.5 (12)	3C x 6.0 (10)	3C x 6.0 (10)
Running Current	Cooling <sup>1</sup>	Rated	A	6.7	10.00	11.10	15.0	18.6	21.0
	Heating	Rated	A	6.5	9.5	12.0	13.6	18.1	23.2
Dimensions	W x H x D		mm	770 x 545 x 288	870 x 650 x 330	870 x 650 x 330	950 x 834 x 330	950 x 1380 x 330	950 x 1380 x 330
Weight	kg (lbs)			35.5 (78.3)	44.8 (98.8)	44.8 (98.8)	58.0 (128.0)	90.0 (198.4)	90.0 (198.4)
Refrigerant	Type			R410A	R410A	R410A	R410A	R410A	R410A
	Motor Type			Propeller	Propeller	Propeller	Propeller	Propeller	Propeller
Fan	Air Flow Rate	m <sup>3</sup> /min x No.		28 x 1	50 x 1	50 x 1	58 x 1	58 x 2	58 x 2
	Type			BLDC	BLDC	BLDC	BLDC	BLDC	BLDC
Fan Motor	Output	W x No.		43 x 1	85 x 1	85 x 1	124.2 x 1	124.2 x 2	124.2 x 2
	Type			BLDC	BLDC	BLDC	BLDC	BLDC	BLDC
Sound Pressure Level	Cooling <sup>1</sup>	Rated	(dB(A))	53	55	55	56	57	57
	Heating	Rated	(dB(A))	54	56	56	58	57	57
Piping Length	Max.	m (ft)		25 (82.0)	30 (98.4)	30 (98.4)	40 (131.2)	50 (164.0)	50 (164.0)
	Maximum Height Difference (ODU - IDU)	Max.	m (ft)	15 (49.2)	30 (98.4)	30 (98.4)	30 (98.4)	30 (98.4)	30 (98.4)
Operation Range (Outdoor Temperature)	Cooling <sup>1</sup>	Min. - Max.	°C/DB	-10 - 54	-10 - 54	-10 - 54	-10 - 54	-10 - 54	-10 - 54
	Indoor								
Power Supply			V, Ø, Hz	220-240, 1, 50	220-240, 1, 50	220-240, 1, 50	220-240, 1, 50	220-240, 1, 50	220-240, 1, 50
Dimensions			W x H x D	mm	840 x 204 x 840	840 x 204 x 840	840 x 204 x 840	840 x 204 x 840	840 x 204 x 840
Net Weight			kg (lbs)	21 (46.3)	21 (46.3)	21 (46.3)	21 (46.3)	21 (46.3)	21 (46.3)
Fan Motor	Air Flow Rate	H/M/L		16.5 / 14.5 / 13.0	17.0 / 15.0 / 13.0	17.0 / 15.0 / 13.0	19.0 / 17.0 / 15.0	28.5 / 24.5 / 21.0	32.0 / 30.0 / 27.5
	Type			BLDC	BLDC	BLDC	BLDC	BLDC	BLDC
Sound Pressure Level	Cooling <sup>1</sup>	H/M/L	(dB(A))	38 / 36 / 34	40 / 38 / 36	40 / 38 / 36	42 / 39 / 37	48 / 46 / 44	52 / 51 / 48
	Heating	H/M/L	(dB(A))	38 / 36 / 34	40 / 38 / 36	40 / 38 / 36	42 / 39 / 37	48 / 46 / 44	52 / 51 / 48
Power and Communication Cable (Included Earth)			No. x mm <sup>2</sup> (AWG)	4C x 0.75 (18)	4C x 0.75 (18)	4C x 0.75 (18)	4C x 0.75 (18)	4C x 0.75 (18)	4C x 0.75 (18)
Model Name				PT-MCHW0	PT-MCHW0	PT-MCHW0	PT-MCHW0	PT-MCHW0	PT-MCHW0
Color				Morning Fog	Morning Fog	Morning Fog	Morning Fog	Morning Fog	Morning Fog
Dimensions			W x H x D	mm	950 x 25 x 950	950 x 25 x 950	950 x 25 x 950	950 x 25 x 950	950 x 25 x 95

## Ceiling Round Cassette

### Premium Design

LG Round Cassette provides an aesthetic design that makes space more luxurious and attractive.

### Comfortable Airflow

Circular airflow of the LG Round Cassette reaches exactly where you want with low noise.

### SPECIFICATION MOUNTED CASSETTE

Combination	Outdoor unit		Unit	ATUW36GYLT1	ATUW48GYLT1
	Indoor unit			ATUW36GYLT1	ATUW48GYLT1
Capacity	Cooling <sup>1</sup>	Min. - Rated - Max @T1	kW	3.40 - 10.25 - 10.80	4.20 - 14.06 - 17.40
		Min. - Rated - Max @T1	Btu/h	11,600 - 35,000 - 36,850	14,330 - 48,000 - 59,370
	Rated @T3	kW	8.2	11.42	
		Btu/h	28,000	39,000	
Power Input	Cooling <sup>1</sup>	Min. - Rated - Max	kW	4.20 - 11.00 - 13.00	6.10 - 16.70 - 19.20
		Min. - Rated - Max	Btu/h	14,330 - 37,537 - 44,350	20,810 - 57,000 - 65,510
	Heating	Min. - Rated - Max	kW	3.18	4.36
		Min. - Rated - Max	Btu/h	8,700 - 11,700 - 14,800	11,900 - 16,000 - 20,800
EER / COP	Cooling <sup>1</sup>	Min. - Rated - Max	kW	3.45	4.81
		Min. - Rated - Max	Btu/h	11,900 - 16,000 - 20,800	16,000 - 21,600 - 28,000
	Heating	Min. - Rated - Max	kW	0.75 - 3.10 - 4.06	1.15 - 5.30 - 8.00
		Min. - Rated - Max	Btu/h	2,580 - 8,400 - 13,900	3,900 - 14,400 - 22,800
Piping Connections	Liquid Side	mm (inch)	Ø 9.52 (3/8)	Ø 9.52 (3/8)	
	Gas Side	mm (inch)	Ø 15.88 (5/8)	Ø 19.05 (3/4)	
	Drain Pipe	Ø.D. / I.D.	Ø 32.0 / 25.0	Ø 32.0 / 25.0	
<b>Outdoor</b>					
Compressor	Type		Inverter Scroll	Inverter Scroll	
Power Supply	V, Ø, Hz		220-240, 1, 50	220-240, 1, 50	
Wiring Connections	No. x mm <sup>2</sup> (AWG)		3C x 2.5	3C x 4.0	
Running Current	Cooling <sup>1</sup>	Rated	A	14	
		Rated	A	19.2	
Dimensions	W x H x D	mm	950 x 834 x 330	950 x 1380 x 330	
		kg (lbs)	60	88	
Refrigerant	Type		R410A	R410A	
	Motor Type		Propeller	Propeller	
Fan	Air Flow Rate	m <sup>3</sup> /min x No.	70 x 1	60 x 2	
	Type		BLDC	BLDC	
Fan Motor	Output	WxNo	124.2 x 1	124.2 x 2	
		WxNo	124.2 x 1	124.2 x 2	
Sound Pressure Level	Cooling	Rated	dB (A)	51	
		Rated	dB (A)	55	
Piping Length	Max.	m	53	57	
		m	50	75	
Maximum Height Difference (ODU - IDU)	Max.	m	30	30	
Operation Range (Outdoor temperature)	Cooling	Min. - Max	CDB	0 - 54	
<b>Indoor</b>					
Power Supply	V, Ø, Hz		220-240, 1, 50	220-240, 1, 50	
Dimensions	W x H x D	mm	1,050 x 330 x 1,050	1,050 x 330 x 1,050	
Net Weight	kg (lbs)		30	30	
Fan Motor	Air Flow Rate	m <sup>3</sup> /min	146 x 1	136 x 1	
	Type		BLDC	BLDC	
Sound Pressure Level	Cooling <sup>1</sup>	H / M / L	dB (A)	39 / 37 / 34	
		H / M / L	dB (A)	47 / 44 / 39	
Power and Communication Cable (included Earth)	Heating	H / M / L	dB (A)	39 / 37 / 34	
		H / M / L	dB (A)	47 / 44 / 39	
	No. x mm <sup>2</sup> (AWG)		4C x 1.0	4C x 1.0	

- The specifications are subject to change without prior notice for product improvement, please check with the dealer.

### Easy Installation

Designed for convenience of workers, installation and service can be done easily and quickly.



www.lg.com/levant\_en/business/single-split-air-solution

## الكاسيت الدائري



Quiet Airflow



Round Design



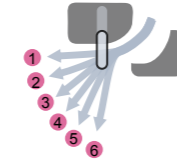
Compact size



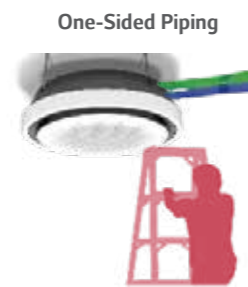
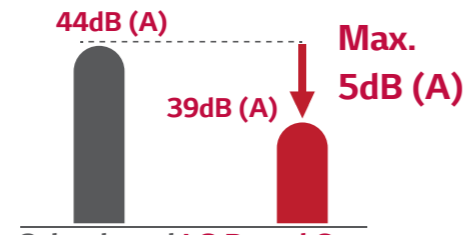
Crystal Vane



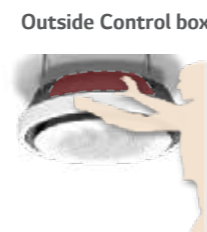
Hanger cover



6-Step Vane control



One-Sided Piping



Outside Control box



## Wide Operation Range

LG's superior compressor technologies guarantee stable performance across a wide range of temperatures.

مصمم خصيصاً للعمل في الأجواء الاستوائية حتى درجة حرارة 54 مئوية صيفاً



Capacity (Btu/h)	18,000 (طن 1.5)	24,000 (طن 2)	30,000 (طن 2.5)	36,000 (طن 3)	48,000 (طن 4)	54,000 (طن 4.5)	60,000 (طن 5)
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Power Supply 1 Phase 220-240V / 50Hz

	Product					
جهاز كاسيت Ceiling Cassette (Heat Pump)						
جهاز مخفي في السقف Ceiling Concealed Duct (Heat Pump)						
جهاز كاسيت دائري Round Cassette (Heat Pump)						

Notes

\* Unit Power supply is available in 3 phase, 380-415v, 50hz / single phase, 220-240v, 50hz

## ENERGY SAVING

LG's latest Inverter Single Split solutions are all equipped with the company's advanced Inverter technology. Unlike traditional constant speed compressors, LG's Inverter compressor brings an entirely different level of intelligence to all air solutions that it is installed in.

إن الأداء المرن والذكي للكمبريسور الانفيرتر يمكنه من العمل بظروف مختلفة وتوفير استهلاك للطاقة أعلى مقارنة بالمكيفات التقليدية وغير الذكية

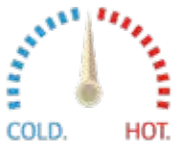
## توفير في استهلاك الكهرباء باستخدام تكنولوجيا الانفيرتر



## COMFORT

While constant speed compressors often create irregular temperature differences due to their stop-start operation nature, LG's Inverter compressor maximizes user comfort by adjusting output to ensure that room temperature remains at the set temperature. Users will also benefit from the quick-cooling capabilities.

الإنفيرتر من إل جي مصمم ليوفر الراحة التامة للمستخدم من خلال التحكم الدقيق بالحرارة الداخلية بحسب طلب الزبون



## RELIABILITY

Ideal for regions with unstable electricity supply, LG's Inverter Single Split air conditioners operate at a higher degree of stability and reliability with wide operation range.

صمم جهاز الإنفيرتر من إل جي ليعمل باستقرار عالٍ في ظروف الكهرباء غير المستقرة



## مرونة في الأداء