



الإنفيرتر الاستوائي

من إل جي

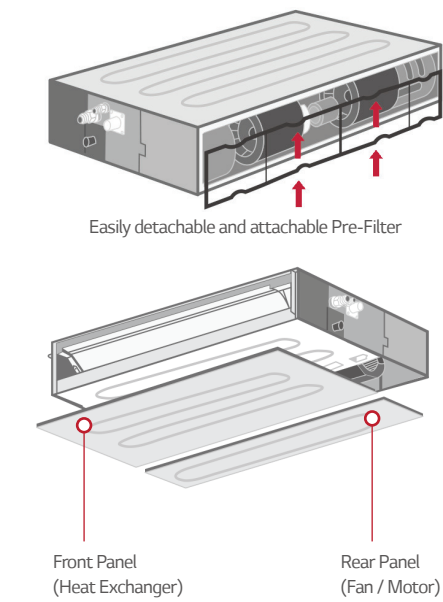
LG INVERTER SINGLE SPLIT



Ceiling Concealed Duct

Easy Service and Maintenance

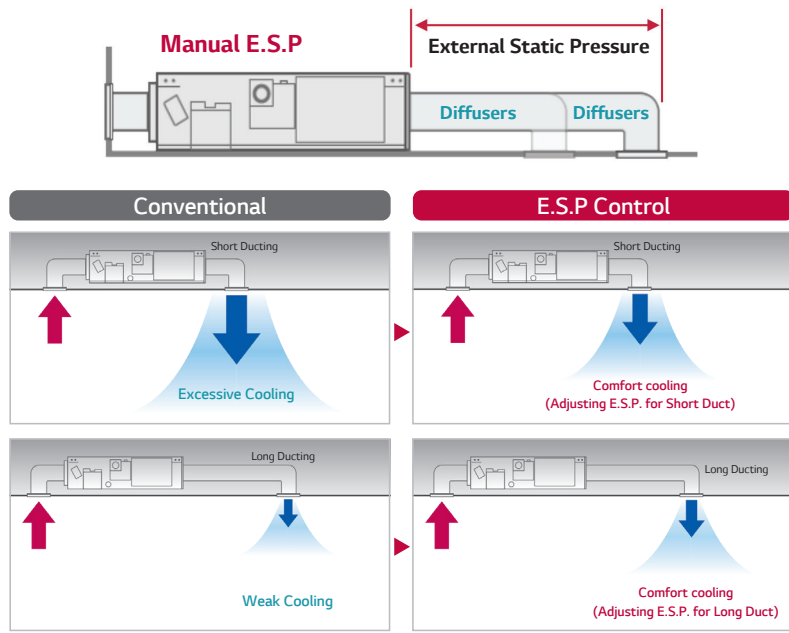
Since the panels are divided into panel for heat exchanger and panel for fan / motor, there is no need to open the entire panel for maintenance



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	ABUW24GM1S2	ABUW30GM1S2	ABUW36GM3S2	ABUW48GM3S2	ABUW60GM3S2	
	Indoor unit			ABUW18GM1S2	ABUW24GM1S2	ABUW30GM1S2	ABUW36GM3S2	ABUW48GM3S2	ABUW60GM3S2	
Capacity	Cooling ¹	Min. – Rated – Max. @T1	kW	4.98	7.15	7.76	10.5	14.06	17.00	
		Min. – Rated – Max. @T1	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	kW	4.36	5.74	6.21	8.50	11.72	13.24	
	Cooling ¹	Rated @T3	Btu/h	14,900	19,600	21,200	29,000	40,000	45,200	
		Heating	Min. – Rated – Max.	kW	5.00	7.40	7.80	9.60	14.80	16.40
		Heating	Min. – Rated – Max.	Btu/h	18,000	25,200	26,600	32,700	50,500	56,000
Power Input	Cooling ¹	Rated @T1	kW	1.37	2.22	2.60	3.36	3.87	5.19	
	Cooling ¹	Rated @T3	kW	1.72	2.25	2.56	3.37	4.39	5.68	
	Heating	Rated	kW	1.26	1.95	2.3	2.4	3.7	4.61	
EER / COP			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 9.52 (3/8)	Ø 9.52 (3/8)	
	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		ØD / I.D.	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	
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 ² (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 ¹	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	
Weight			kg (lbs)	31.8	45.5	45.5	58.9	93.5	93.5	
Refrigerant			Type	-	R410A	R410A	R410A	R410A	R410A	
Fan	Motor Type		-	Axial	Axial	Axial	Axial	Axial	Axial	
	Air Flow Rate		m ³ /min x No.	28 x 1	50 x 1	50 x 1	60 x 1	60 x 2	60 x 2	
Fan Motor	Type		-	BLDC	BLDC	BLDC	BLDC	BLDC	BLDC	
	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	
	Cooling ¹	Rated	dB (A)	49	50	50	51	55	55	
Sound Pressure Level	Heating	Rated	dB (A)	51	52	52	53	57	57	
	Piping Length		m (ft)	30	50	50	50	50	50	
Maximum Height Difference (ODU – IDU)			Max.	m (ft)	20	30	30	30	30	
Operation Range (Outdoor Temperature)			Cooling ¹	Min. – Max.	°C/DB	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	900 x 270 x 700	900 x 270 x 700	900 x 270 x 700	1,100 x 338 x 773	1,450 x 428 x 773	
Net Weight			kg (lbs)	23.8	25.3	25.3	37.1	43	43	
Fan Motor	Air Flow Rate		SH / H / M / L	m ³ /min	16.5	18	18	30	38	48
	Motor Type		-	BLDC	BLDC	BLDC	BLDC	BLDC	BLDC	
	Cooling ¹	Rated	dB (A)	34 / 32 / 30	37 / 35 / 32	37 / 35 / 32	36 / 33 / 31	38 / 36 / 34	46 / 44 / 42	
Sound Pressure Level	Heating	SH / H / M / L	dB (A)	34 / 32 / 30	37 / 35 / 32	37 / 35 / 32	36 / 33 / 31	38 / 36 / 34	46 / 44 / 42	
	Power and Communication Cable (included Earth)			No. x mm ² (AWG)	4C x 0.75	4C x 0.75	4C x 0.75	4C x 0.75	4C x 0.75	

Notes

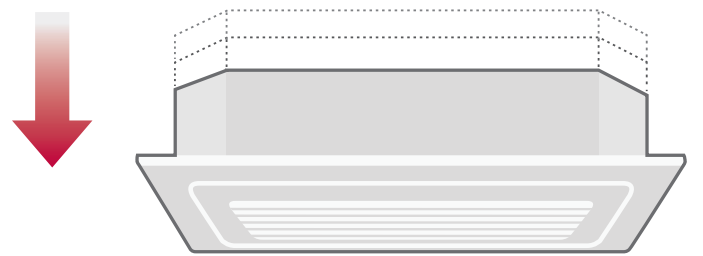
- Cooling¹: Indoor Temperature 27°C (80.6°F) DB / 19°C (66.2°F) WB, Outdoor Temperature 35°C (95°F) DB / 24°C (75.2°F) WB
- Cooling²: Indoor Temperature 29°C (84.2°F) DB / 19°C (66.2°F) WB, Outdoor Temperature 46°C (114.8°F) DB / 24°C (75.2°F) WB
- Heating Temperature: Indoor 20°C (68°F) DB / 15°C (59°F) WB, Outdoor 7°C (44.6°F) DB / 6°C (42.8°F) WB

Ceiling Mounted Cassette

Space Saving

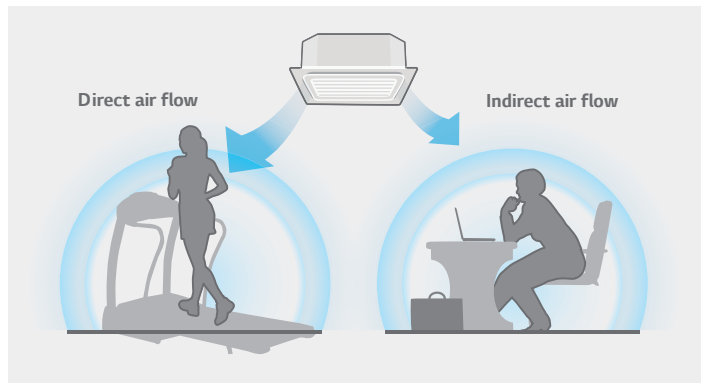
The indoor unit with slim and compact size has reduced the restriction which enables successful installation in various spaces.

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		AUW24GS1		AUW30GS1		AUW36GS1		ATUW48GMLS1		ATUW54GMLS1					
	Indoor unit			ATUW18GPLS1	ATUW24GPLS1	ATUW30GPLS1	ATUW36GPLS1	ATUW48GMLS1	ATUW54GMLS1										
Capacity	Cooling ¹	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										
		Min. - Rated - Max. @T1	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	kW	4.20	5.75	6.40	8.70	12.10	12.40										
	Cooling ¹	Rated @T3	Btu/h	14,300	19,600	21,800	29,700	41,300	42,300										
		Min. - Rated - Max.	kW	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										
		Min. - Rated - Max.	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	22,300 - 57,700 - 62,100										
Heating	Rated @T1	kW	1.620	2.235	2.590	3.490	4.960												
	Rated @T3	kW	1,750	2,600	3,150	3,500	5,140	5,250											
	Heating	kW	1,560	2,235	2,770	3,190	4,490	4,540											
EER / COP			WW	3.01 / 3.01	3.00 / 3.51	3.20 / 3.41	3.03 / 3.10	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 9.52 (3/8)	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		OD / ID	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 ² (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 ¹	Rated	A	7.00		10.00		11.10		13.50		18.70		8.00					
		Heating	A	7.20		10.00		11.40		13.10		19.70		7.50					
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					
Weight			Body	kg (lbs)		35.5 (78.3)		44.8 (98.8)		44.8 (98.8)		58.0 (127.9)		90.0 (198.4)					
Refrigerant	Type	-	R410A		R410A		R410A		R410A		R410A		R410A		R410A				
		Motor Type	-	Propeller		Propeller		Propeller		Propeller		Propeller		Propeller					
		Air Flow Rate	m ³ /min x No.	28 x 1		50 x 1		50 x 1		58 x 1		58 x 2		58 x 2					
Fan Motor			Type	BLDC		BLDC		BLDC		BLDC		BLDC		BLDC					
Sound Pressure Level			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				
Sound Pressure Level	Cooling ¹	Rated	dB (A)	53		55		55		55		56		55					
		Heating	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)					
Maximum Height Difference (ODU - IDU)			Max.	m (ft)		15 (49.2)		30 (98.4)		30 (98.4)		30 (98.4)		30 (98.4)					
Operation Range (Outdoor Temperature)			Cooling ¹	Min. - Max.	°C/DB		-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 288 x 840		840 x 288 x 840					
Net Weight			kg (lbs)	21 (46.3)		21 (46.3)		21 (46.3)		28 (61.7)		28 (61.7)		28 (61.7)					
Fan Motor	Air Flow Rate	H / M / L	m ³ /min		16.5 / 14.5 / 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		32.0 / 30.0 / 27.5				
		Type	BLDC		BLDC		BLDC		BLDC		BLDC		BLDC		BLDC				
		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					
Sound Pressure Level	Cooling ¹	Rated	dB (A)	38 / 36 / 34		40 / 38 / 36		42 / 39 / 37		48 / 46 / 44		52 / 51 / 48		52 / 51 / 48					
		Heating	dB (A)	38 / 36 / 34		40 / 38 / 36		42 / 39 / 37		48 / 46 / 44		52 / 51 / 48		52 / 51 / 48					
		Power and Communication Cable (included Earth)													No. x mm ² (AWG)	4C x 0.75 (18)		4C x 0.75 (18)	
Decoration Panel	Model Name		-	PT-MCHWD		PT-MCHWD		PT-MCHWD		PT-MCHWD		PT-MCHWD		PT-MCHWD					
	Ceiling 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)					
	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

- Cooling¹: 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
- Cooling²: 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

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	ATLV36GYLT1	ATLV48GYLT1
	Indoor unit			ATLV36GYLT1	ATLV48GYLT1
Capacity	Cooling 1	Min - Rated - Max @T1	kW	3.40 - 10.25 - 10.80	4.20 - 14.65 - 17.40
		Min - Rated - Max @T1	Btu/h	11,600 - 35,000 - 36,850	14,330 - 50,000 - 59,370
	Cooling 2	Rated @T3	kW	8.2	11.42
		Rated @T3	Btu/h	28,000	39,000
Power Input	Heating	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
	Cooling 1	Min - Rated - Max	kW	3.18	4.36
		Cooling 2	Min - Rated - Max	kW	3.45
EER / COP	Heating	Min - Rated - Max	kW	0.75 - 3.10 - 4.06	1.15 - 5.30 - 8.00
			W/W	3.24 / 3.55	3.24 / 3.15
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	O.D. / I.D.	mm	Ø 32.0 / 25.0	Ø 32.0 / 25.0
Outdoor					
Compressor			Type	Inverter Scroll	Inverter Scroll
Power Supply			V, Ø, Hz	220-240, 1, 50	220-240, 1, 50
Wiring Connections			No. x mm ² (AWG)	3C x 2.5	3C x 4.0
Running Current	Cooling 1	Rated	A	14	19.2
	Heating	Rated	A	13.7	23.4
Dimensions	W x H x D		mm	950 x 834 x 330	950 x 834 x 330
	Body		kg (lbs)	60	88
Refrigerant	Type		-	R410A	R410A
	Motor Type		-	Propeller	Propeller
Fan	Air Flow Rate		m ³ /min x No.	70 x 1	60 x 2
	Type		-	BLDC	BLDC
Fan Motor	Output		Wx No.	124.2 x 1	124.2 x 2
	Cooling	Rated	dB (A)	51	55
Sound Pressure Level	Heating		Rated	53	57
	Max.		m	50	75
Piping Length			Max.	m	30
Maximum Height Difference (ODU - IDU)			Max.	m	30
Operation Range (Outdoor Temperature)			Cooling	Min - Max	CDB
				0 - 54	0 - 54
Indoor					
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
Net Weight				kg (lbs)	30
Fan Motor	Air Flow Rate		m ³ /min	146 x 1	136 x 1
	Type		-	BLDC	BLDC
Sound Pressure Level	Cooling 1	H / M / L	dB (A)	39 / 37 / 34	47 / 44 / 39
	Heating	H / M / L	dB (A)	39 / 37 / 34	47 / 44 / 39
Power and Communication Cable (included Earth)			No. x mm ² (AWG)	4C x 1.0	4C x 1.0

Easy Installation

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



LG Electronics

www.lg.com/levant_en/business/single-split-air-solution

الكاسيت الدائري



Quiet Airflow

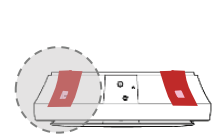
Round Design



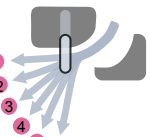
Compact size



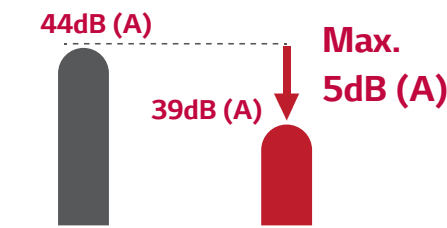
Crystal Vane



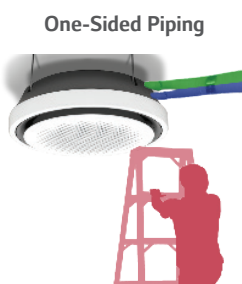
Hanger cover



6-Step Vane control



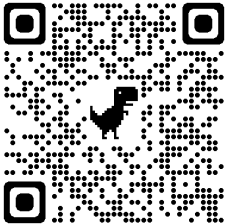
Other brand LG Round Cassette



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)
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

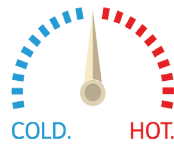
توفير في استهلاك الكهرباء باستخدام تكنولوجيا الانفيرتر



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

