

SPECIFICATIONS

CEILING CONCEALED DUCT HIGH STATIC PRESSURE

* Indoor unit includes standard wired remote controller

Indoor Unit				UB70 N94	UB85 N94
Capacity	Cooling	Min / Nom / Max	kW	TO BE CONFIRMED	9.2 / 23.0 / 25.3
	Heating	Min / Nom / Max	kW		10.8 / 27.0 / 29.7
Low Temperature Capacity	Heating -7°C	Max	kW		24.0
Power Input (Set)	Cooling	Nom	kW		8.19
	Heating	Nom	kW		8.31
Running Current	Cooling / Heating	Nom	A		13.5 / 13.6
Power Supply			Φ / V / Hz		1 / 220-240 / 50
EER					2.81
COP					3.25
Piping Connection	Liquid		mm (inch)		12.7 (1/2)
	Gas		mm (inch)		22.2 (7/8)
	Drain	O.D./I.D.	mm		32.0 / 25.0
Air Flow Rate		High / Medium / Low	m3 / min		80.0 / 72.0 / 64.0
Sound Pressure	Cooling	High / Medium / Low	dB(A)		43 / 41 / 40
Sound Power	Cooling	Max	dB(A)		61
Dehumidification Rate			l/h (pts/h)		5.14 (11.9)
Dimensions	Body	W x H x D	mm		1563 x 458 x 791
Net Weight	Body		kg		90
External Static Pressure		Min-Max	mmAq (Pa)		6~25 (60~250)

Outdoor Unit				UU70W U34	UU85W U74
Compressor	Type			TO BE CONFIRMED	Hermetically Sealed Scroll
Air Flow Rate		Nom	m3/min		190
Sound Pressure	Cooling	Nom	dBA		59
	Heating	Nom	dBA		60
Sound Power	Cooling	Max	dBA		74
Dimensions	WxHxD		mm		1090 x 1625 x 380
Net Weight			kg		144.0
Refrigerant	Type				R410A
	Precharged		g		5,500
	Additional Charge (after 15m)		g/m		70
	Control				Electric Expansion Valve
Operation Range (Outdoor)	Cooling	Min-Max	°C DB		-20 ~ 48
	Heating	Min-Max	°C WB		-18 ~ 18
Power Supply			Φ / V / Hz		3 / 380-415 / 50
Power Supply Cable			No. x mm²		5C x 2.5
Transmission Cable			No. x mm²		4C x 1.0
Circuit Breaker			A		30
Piping Length Total		Min-Max	m		75
Piping Elevation Difference	IDU-ODU	Max	m		30
Piping Connection	Liquid	Outer Dia.	mm(inch)		12.7 (1/2)
	Gas	Outer Dia.	mm(inch)		22.2 (7/8)

ACCESSORIES

Device		Model
Central Controller	AC EZ	PQCSZ2250S0
	AC Smart Premium	PQCSW421E0A
	ACP Standard / Premium	PQCPC22N0 / PQCPC22A0
	AC Manager Plus	PQCSSA21E0
	PI485	PMNFP14A1
	DO (Digital Output) Kit	PQNFP00T0
BNU (Building Network unit)	LonWorks Gateway	PLNWKB000
	BACnet Gateway	PQNFB17C0
Outdoor Dry Contact		Included (on/off control)
High Head Drain Pump		PBDP9
AHU Communication Kit	Normal	PUCKA0
	0-10V Control	To be Confirmed



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LG
HVAC
SOLUTION



FEATURES

CEILING CONCEALED DUCT HIGH STATIC PRESSURE

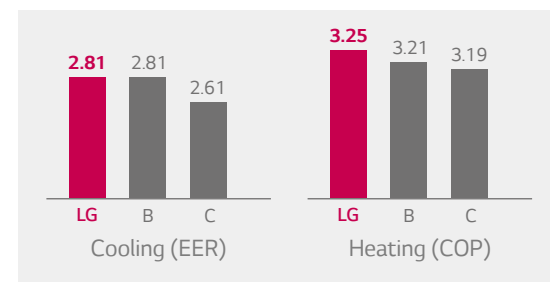
LG's new high static ducted unit is the ideal solution for commercial buildings with high performance and flexibility.

Full Range of Light Commercial Applications

kW	2.5	3.5	5.0	7.1	8.0	10.0	12.5	14.0	15.0	20.0	25.0
H-Inverter											
Standard Inverter											

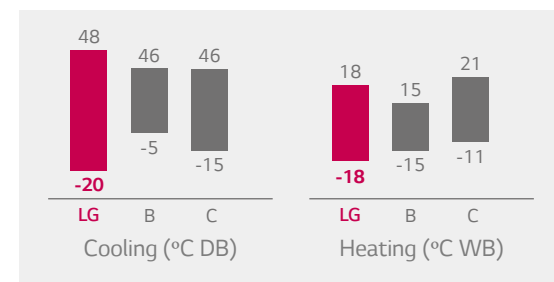
High Efficiency

- Energy Efficiency Ratio



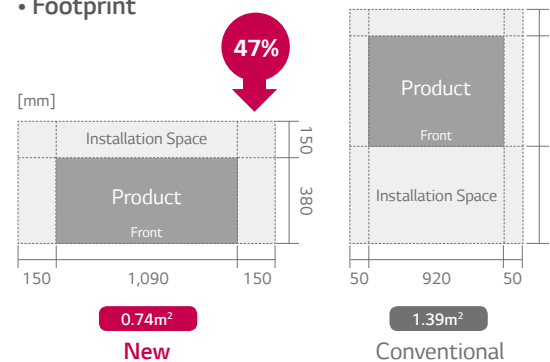
Wide Operation Range

- Outdoor temperature range for operation

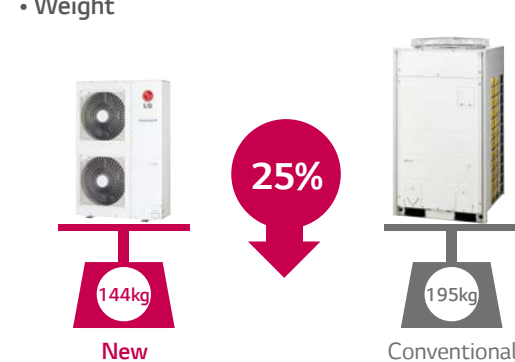


Compact & Light

- Footprint

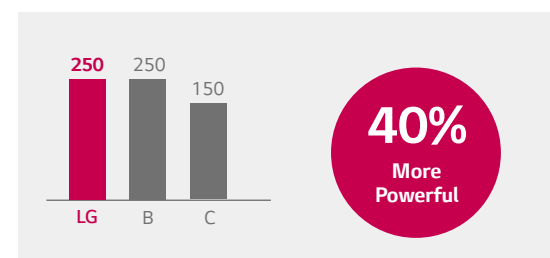


- Weight

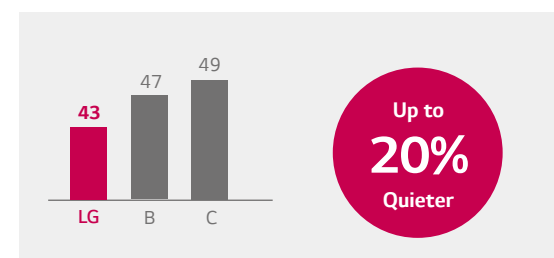


Quiet in High ESP*

- Max. ESP (Pa)



- Sound Pressure of Indoor Unit (dB(A))



* ESP : External Static Pressure

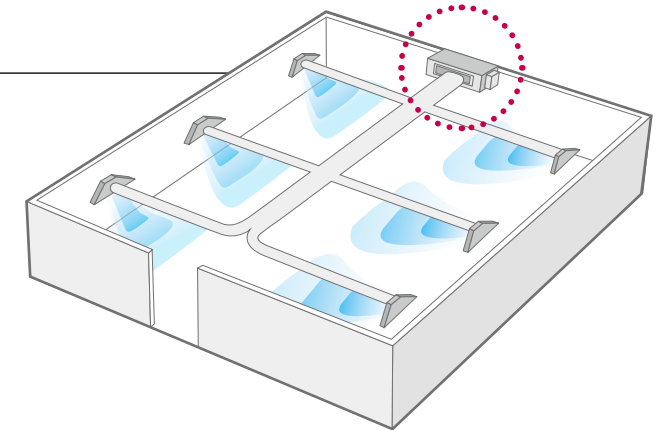
APPLICATIONS

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Flexible combinations provide economic and efficient solutions to various commercial sites.

Single Duct Combination

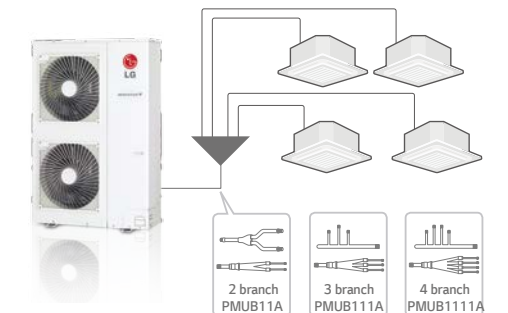
Up to 250 Pa of external static pressure and powerful air flow allow installation in various applications which have large space or high ceiling.



Synchro Operation

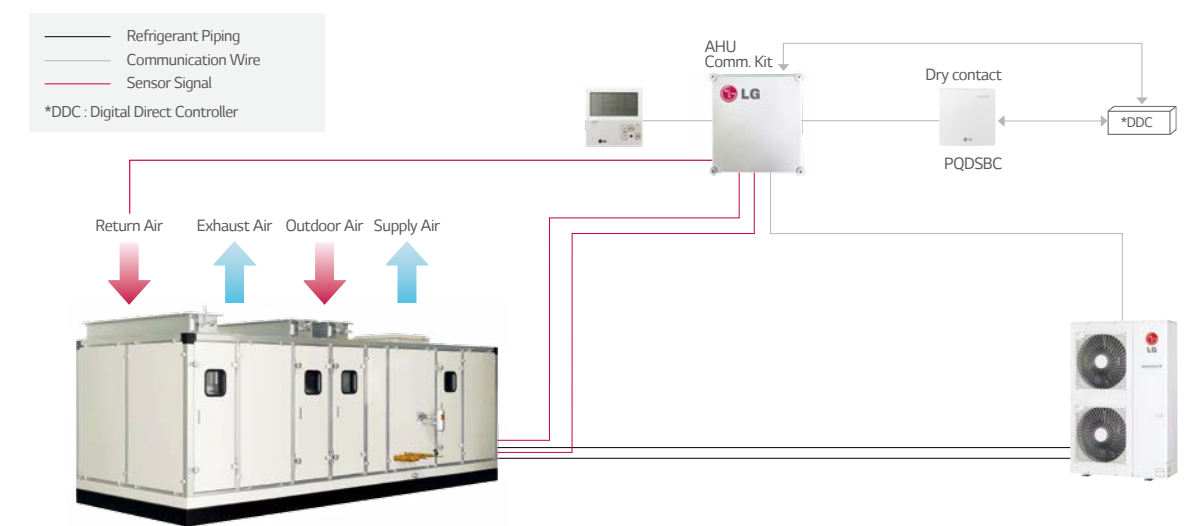
High capacity outdoor unit can operate with up to 4 small indoor units. Synchro is suitable solution for single wide spaces such as shops, restaurants, and offices.

Indoor Unit	Combination		
	Duo	Trio	Quartet
Cassette Type	12.5kW x 2	7.1kW x 3	5.0kW x 4
Duct Type	12.5kW x 2	7.1kW x 3	5.0kW x 4
Ceiling Suspended Type	12.5kW x 2	7.1kW x 3	5.0kW x 4
Pipe Branch	PMUB11A	PMUB111A	PMUB1111A
Controller	Standard Wired Controller : PQRCVSL0(QW)		



AHU* Combination

Outdoor unit is compatible with AHU, using AHU communication kit. This combination is an economic solution for uses in large areas.



* AHU : Air Handling Unit