

FIXED SPEED DUCT WITH R410A

Built for Cooling Big Spaces
with Reliable & Flexible Application.



Reliable
Technology



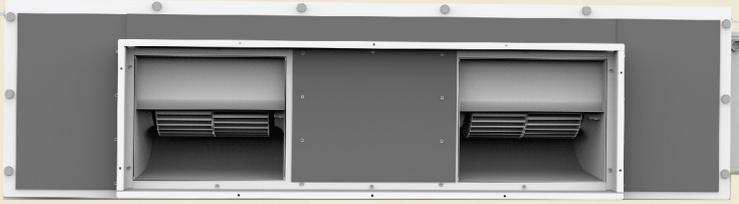
Superior
Durability



Ease of Design
and Comfort

Life's Good.

ABOUT LG FIXED SPEED DUCT



The LG Fixed Speed Duct Air Conditioner features 3 fan speed modes (Low, Medium, High), offering quick cooling and comfort. The outdoor unit uses an on-off operation that turns on to cool to the set temperature and switches off once that preset temperature is reached. The air conditioner restarts when the temperature rises above the preset level.

BENEFITS OF LG FIXED SPEED DUCT



Advanced Compressors

Equipped with energy-efficient R410A scroll compressors it provides improved cooling performance with no ozone depletion.



Pre-Charged Outdoor Units

Outdoor units come pre-charged with refrigerant and are LQC-tested, to guarantee quality assurance.



Simplified Installation

Outdoor units are designed with SVC valves, streamlining the installation process.



Effortless Maintenance

The inclusion of an ODU SVC valve allows for pump-down functionality, enabling hassle-free maintenance.



Enhanced Safety Features

The PCB is equipped with an overcurrent protection relay, offering additional compressor safety against power surges, spikes, or single-phase issues.



Cost-Efficient Installation

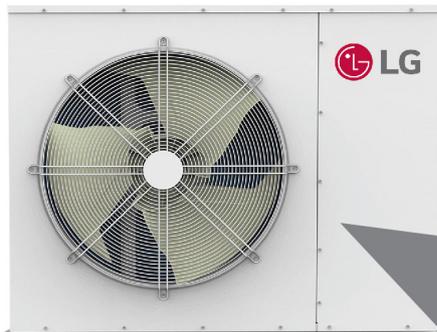
Best-in-class interconnecting pipe sizes reduce installation costs compared to competitors.



RELIABLE TECHNOLOGY

Scroll Compressor Technology

The Scroll Compressor features a robust and optimized design, delivering low vibration and minimal noise. Its fixed-speed mechanism ensures exceptional efficiency and superior cooling performance.



- Low Oil Circulation Rate
- High Performance and Reliability
- Solid Compressor Operation
- High Durability
- Low Noise
- Low Vibration

QCO Certified Excellence

LG Air Conditioners now meet the latest QCO regulations, effective from October 1, 2023, ensuring superior quality and safety.



ISI Mark of Assurance: Endorsed by the Bureau of Indian Standards, the ISI mark on LG Air Conditioners signifies trust, reliability and unmatched performance.

SUPERIOR DURABILITY

Corrosion Resistant Heat Exchanger

LG's "Blue Fin" heat exchanger is designed for long-lasting performance, even in harsh and corrosive environments. The anti-corrosive Blue coating shields it from corrosion caused by external environmental conditions, and the hydrophilic film helps prevent water buildup, minimizing moisture. This enhances durability, allowing the product to last longer while keeping maintenance and running costs low.



Anti-Corrosion Blue Coating on the Fin

Embedded Safety Features for Enhanced System Durability:



EOCR (Electronic Over Current Relay): Protects the compressor and fan motor by detecting and preventing damage from overload conditions.

Smart PCB Design: Ensures system reliability by sensing and responding to unhealthy power supply issues like overvoltage, undervoltage, phase reversal, missing phase, or imbalance.



High & Low Pressure Switches: Safeguards the system by detecting abnormal pressure levels, ensuring stable and efficient operation.

Wide Cooling Operation Range

LG Fixed Speed Duct is well-suited for high-temperature regions, due to the Scroll Compressor's wide operating envelope.

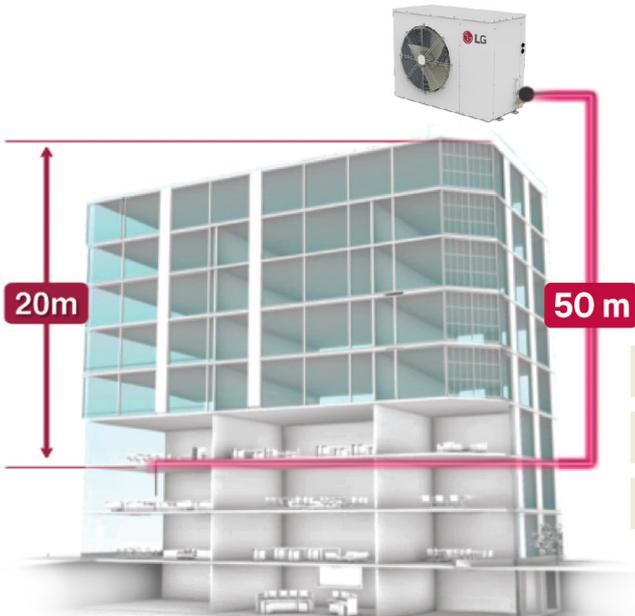


COOLS UP TO
52°

EASE OF DESIGN AND COMFORT

Flexible Installation

The Fixed Speed Duct units are designed for a 20-meter vertical height and a total refrigerant piping distance of 50 meters between the indoor and outdoor units.



High Static Duct	5.5 T	8.5 T	11.0 T
Total	50	50	50
Vertical	20	20	20



Wired Remote Controller

Each unit is managed by a microprocessor based controller, offering a range of advanced features like:

- 7 Segment LCD Display
- ALL button Lock (Child Lock)
- Indoor Temperature Display
- Fan speed Control; Low, Medium, High and Auto
- Run-time equalization & Compressor On indicator*
- Error Check

* For 11T Twin Circuit model

SPECIFICATIONS

High Static Duct				5.5 T	8.5 T	11 T
Combination	Outdoor unit			ABUC66LA	ABUC102LA	ABUC132LA x 2 Nos.*
	Indoor unit			ABNC66LA	ABNC102LA	ABNC132LA
Capacity	Cooling	Rated	kW	19.34	29.90	38.68
INDOOR UNIT						
Model Name			Unit	ABNC66LA	ABNC102LA	ABNC132LA
Power Supply			V, Ø, Hz	230V, 1-Ph, 50Hz		
Airflow Rate	H / M / L		m ³ /min	62.3 / 52.0 / 45.0	111.7 / 101.0 / 91.0	124.6 / 109.5 / 99.6
	H / M / L		CFM	2200 / 1836 / 1590	3940 / 3560 / 3210	4400 / 3870 / 3520
Fan Motor	Type			Single Phase Induction		
Dimensions	Net	W x H x D	mm	1180 x 460 x 600	1660 x 450 x 650	1820 x 465 x 660
Net Weight	Body		kg	58	95	105
Piping Connections	Liquid Side		mm	Φ 9.52 (3/8")	Φ 12.7 (1/2")	Φ 9.52 (3/8")
	Gas Side		mm	Φ 22.22 (7/8")	Φ 28.58 (1 1/8")	Φ 22.22 (7/8")
	Drain Pipe	O.D. / I.D.	mm	Φ 27 / 22.4		
Power and Communication Cable (included Earth)			No. x mm ² (AWG)	Communication - 2 Core x 1.0 sqmm (17 AWG) Power - 3 Core x 2.5 sqmm (14 AWG)		
OUTDOOR UNIT						
Model Name			Unit	ABUC66LA	ABUC102LA	ABUC132LA x 2 Nos
Power Supply			V, Ø, Hz	415V, 3-Ph, 50Hz		
Compressor	Type			Scroll		
Heat Exchanger	Type (Coating)			Hydrophilic Blue Fin Coating		
Refrigerant	Type			R 410A		
	Precharged Amount		gms	3000	4200	3000
Fan Motor	Type			Single Phase Induction		
	Output		W x No.	310 x 1 No.	540 x 1 No.	310 x 1 No.
Wiring Connections	Power Supply Cable (included Earth)		No. x mm ² (AWG)	5 Core x 4 Sqmm (12 AWG)	5 Core x 6 Sqmm (10 AWG)	5 Core x 4 Sqmm (12 AWG)
Dimensions	W x H x D		mm	1090 x 870 x 480	1200 x 913 x 546	1090 x 870 x 480
Net Weight				105 (231)	130 (286.6)	105 (231)
Piping Connections	Liquid	Outer Dia.	mm	Φ 9.52 (3/8")	Φ 12.7 (1/2")	Φ 9.52 (3/8")
	Gas	Outer Dia.	mm	Φ 22.22 (7/8")	Φ 28.58 (1 1/8")	Φ 22.22 (7/8")
Piping Length	Max.		m	50 (164.0)	50 (164.0)	50 (164.0)
Maximum Height Difference	Max.		m	20 (65.62)	20 (65.62)	20 (65.62)
Operation Range (Outdoor Temperature)	Cooling	- Max.	°C DB	52		
Safety Devices Inbuilt in ODU				LP Switch / HP Switch / Over Voltage / Under Voltage / Phase Reversal / Phase Missing / Phase Unbalance / Over Current Protection		

*ABUC132LA is 5.5 T ODU. 2 Nos of ABUC132LA to be connected with 11T Twin Circuit IDU.

Creative Visualization. Product images shown are for representation purpose only. Product image may vary in size. Product features may vary from model to model.

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