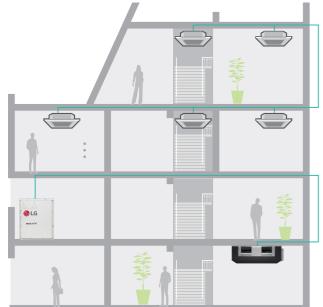


140_m Total Piping Length



70m

Longest piping length from Compressor Module to Indoor unit



30m

Longest piping length from Heat Exchanger Module to Compressor Module



Highlight





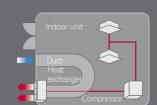


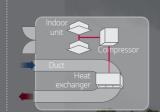


How does it work?









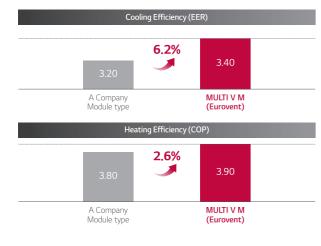
Duct Connected Case



HIGH

CLASS EFFICIENCY

Energy Efficiency



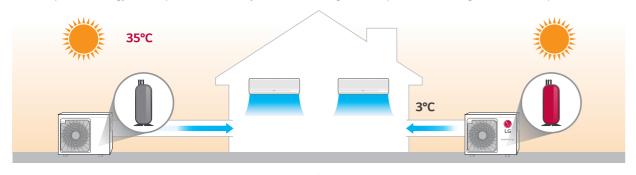
R1Compressor[™]

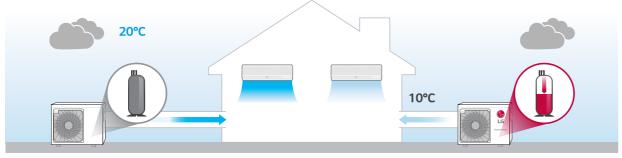
MULTI V M ensures world-class efficiency with innovative technology including R1 Compressor.

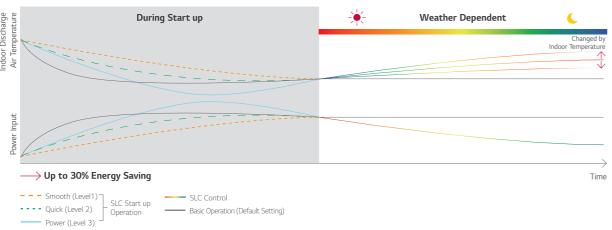


Smart Load Control

To save operation energy consumption, automatically controls the refrigerant temperature according to outdoor temperature.

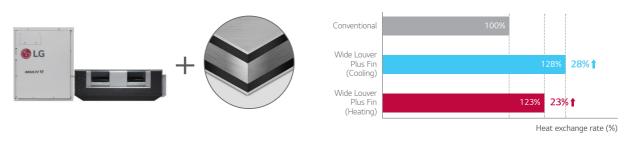






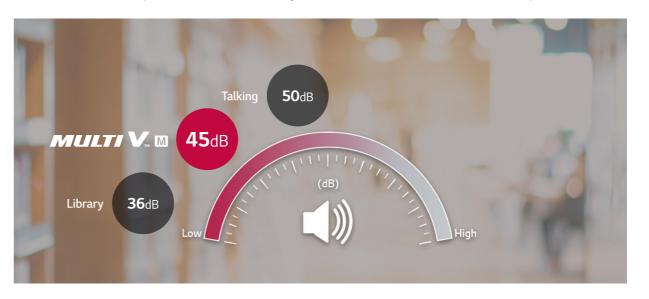
Wide Louver Plus Fin + Corrosion Resistance

Wide Louver Plus fin technology increases efficiency and heating performance compared to conventional fin.



Quiet Operation

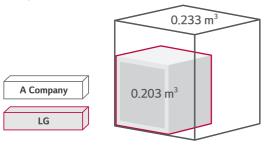
Low sound level of both compressor module and heat exchanger module allows outdoor units to be installed and operated inside.



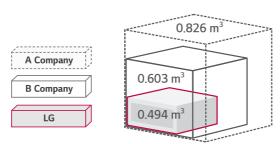
FLEXIBLE DESIGN Q٥ INSTALLATION

Volume

Compressor Module



Heat Exchanger Module



ESP Control

(External Static Pressure)

up to 30 Pa



Normal Mode



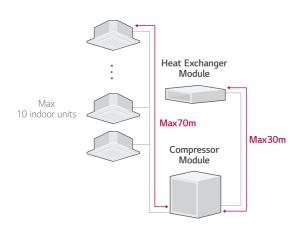


High Static Pressure Mode

Module Type

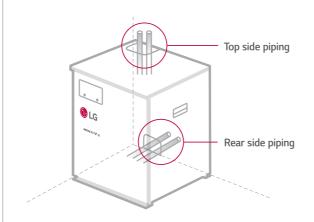
Increased design freedom

- Additional structure installation and ceiling construction not required
- Ease of service
- Compressor replacement
- Low noise with module
- Low noise by module (vs Integrated Type)



Flexible Piping Location

Tidy & simple installation with flexible piping location.



Increased Design Freedom

Additional structure installation or ceiling construction is not required, making compressor replacement and general maintenance easier. Split module provides low noise operation compared to integrated type.



Conventional Outdoor Unit



Heat exchanger module can be installed in false ceiling spaces

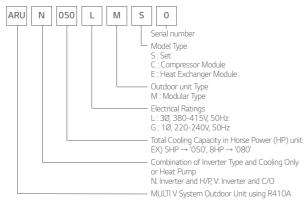


Compressor module can be installed anywhere indoors



TECHNICAL DATA

Nomenclature

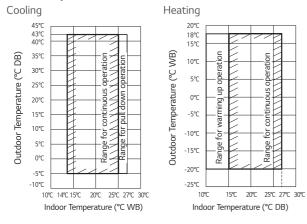


Outdoor Units Function

Catagory	Functions	Modular
Category		Modular
	Variable Path of Outdoor Unit HEX	-
Key Refrigerant Components	HiPOR [™] (High Pressure Oil Return)	-
	Humidity Sensor	-
	Corrosion Resistance Black Fin	0
	Oil Sensor	-
	Dual Sensing	-
	Low Noise Operation	0
	Hgih Static Mode of Outdoor Unit Fan	0
	Partial Defrosting	-
	Auto Dust Cleaning of Outdoor	
	Unit (Fan reverse rotation)	-
Jseful Function	Indoor Cooling Comfort Mode	
	Based Outdoor Temperature	0
	Smart Load Control (SLC)	
	(Changing indoor discharge air	0
	temperature according to load)	U
	Outdoor Unit Control Refer to	-
	Humidity	
	Defrost / Deicing	0
	High Pressure Switch	0
	Phase Protection	0
eliability	Restart Delay (3-minutes)	0
	Self Diagnosis	0
	Soft Start	0
	Test Run Function	-
	AC Ez (Simple Controller)	PQCSZ250S0
	AC Ez Touch	PACEZA000
	AC Smart IV	PACS4B000
	AC Smart 5	PACS5A000
entral Controller	ACP (Advanced Control Platform)	PACSSA000 PACP4B000
	ACP (Advanced Control Platform) 5	PACP5A000
	AC Manager 5	PACM5A000
NU (Building	ACP5 (w U60FT)	0
letwork Unit)	ACP BACnet	PONFB17C0
CERROLK OHIL)		FUNED 17CU
nstallation	Refrigerant Charging Kit	-
	Variable Water Flow Valve Control Kit	-
DI (Power	Standard	-
istribution ndicator)	Premium	-
Cool / Heat Selector		PRDSBM
ow Ambient Kit		-
O Module		D) /D C1 41 10 00
ODU Dry Contact)		PVDSMN000
Cycle Monitoring	LGMV	PRCTIL0
Device	Mobile LGMV	PLGMVW100

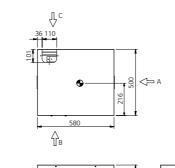
※ ○ : Applied, - : Not Applied

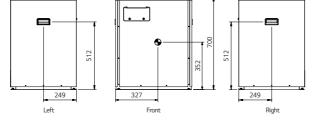
Heat Pump

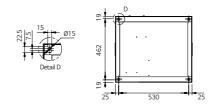


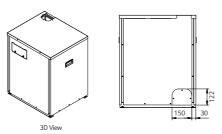
Compressor Module

[Unit:mm]

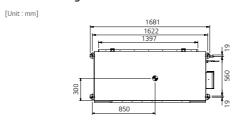


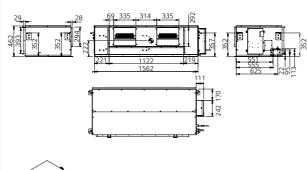


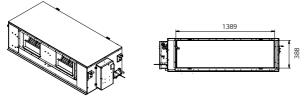




Heat Exchanger Module

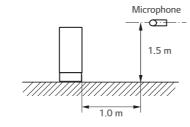






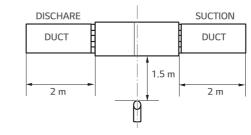
Position of Sound Pressure Level Measuring

Compressor Module



Measuring place : Anechoic chamber

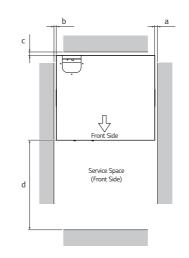
Heat Exchanger Module

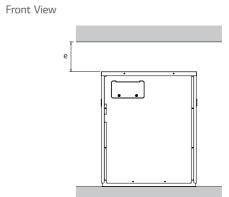


* Measuring place : Anechoic chamber

Installation Space for Compressor Module

Top View



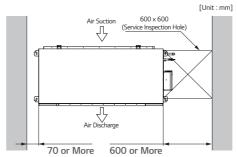


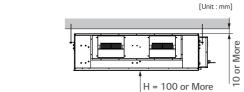
Category	Mark	Description	Installation Space (mm)
Compressor - Module -	a	Right	10 or More
	b	Left	10 or More
	С	Rear	10 or More
	d	Front	500 or More
	е	Тор	200 or More

Front View

Installation Space for Compressor Module

Top View





092

ARUN050LMC0 / ARUN050GME0







LG participates in the ECP programme for EUROVENT VRF program.
Check ongoing validity of certification

System

	НР		5	
Model Name	Set		ARUN050LMS0	
	Compressor Module		ARUN050LMC0	
	Heat Exchanger Module		ARUN050GME0	
Capacity	Cooling (Rated)	kW	14.0	
	Heating (Rated)	kW	14.0	
	Heating (Max)	kW	16.0	
Input	Cooling (Rated)	kW	5.07	
	Heating (Rated)	kW	3.71	
	Heating (Max)	kW	4.32	
EER	Based on Rated Capacity		2.76	
SEER			5.26	
СОР	Based on Rated Capacity		3.77	
	Based on Max Capacity		3.70	
SCOP			3.85	
Number of Maximum Connectable Indoor Units		r Units	10	

※ ○ : Applied, - : Not Applied

Note

1. Due to our policy of innovation some specifications may be changed without notification.

2. Wiring cable size must comply with the applicable local and national codes. And "Electric characteristics" chapter should be considered for electrical work and design. Especially the power cable and circuit breaker should be selected in accordance with that.

3. Power factor could vary less than ±1% according to the operating conditions.

4. Sound pressure level is measured on the rated condition in the anechoic rooms by ISO 3745 standard.

Sound power level is measured on the rated condition in the semi-anechoic rooms by ISO 9614 standard.

Therefore, these values can be increased owing to ambient conditons during operation.

5. Performances are based on the following conditions:

• Cooling: Indoor Ambient Temp 27°CDB / 19°CVMB, Outdoor Ambient Temp 35°CDB / 24°CWB

• Heating: Indoor Ambient Temp 20°CDB / 15°CVMB, Outdoor Ambient Temp 7°CDB / 6°CVMB

• Interconnected Pipe Length and Difference of Elevation: – Heat Exchanger Module – Compressor Module = 5m

— Compressor Module – Indoor Unit = 7.5m

— Difference of Elevation (Heat Exchanger Module- Compressor Moduler – Indoor Unit) is Zero

6. The maximum combination ratio is 130%.

7. This product contains Fluorinated greenhouse gases. (R410A, GWP(Global warming potential) = 2,087.5)

ARUN050LMC0 / ARUN050GME0







LG participates in the ECP programme for EUROVENT VRF program. Check ongoing validity of certification

Module

	HP		:	5
Ma del Nisses			Compressor Module	Heat Exchanger Module
Model Name			ARUN050LMC0	ARUN050GME0
Exterior	Color		Morning Gray	Galvanized Steel Plate
	RAL Code (Classic)		RAL 7030	-
Dimensions (W x H x D)	Net	mm x No.	580 × 700 × 500	1,562 × 460 × 688
	Shipping	mm x No.	618 × 833 × 564	1,806 × 537 × 825
Weight	Net	kg x No.	69.0	84
	Shipping	kg x No.	76.0	95
Compressor	Туре		Hermetic Motor Compressor	-
	Combination x No.		(Inverter) x 1	-
	Motor Output	W x No.	3,200	-
	Oil Type		FW68D (PVE)	-
	Oil Charge	СС	1,300	
Heat Exchanger	Туре		-	Wide Louver Plus
	Туре		-	Sirocco Fan
Fan	Motor Output x Number	W x No.	-	400 × 2
	Air Flow Rate (Rated)	m³/min x No.	-	60
External Static	Nominal (Rated, Factory Set)	mmAq (Pa)	-	3 (29)
Pressure	Max	mmAq (Pa)	-	16 (157)
	Liquid	mm (inch)	Ø9.52 (3/8) to IDU	Ø12.7 (1/2) to Comp. Module
Pipe Connection	Gas	mm (inch)	Ø15.88 (5/8) to IDU	Ø19.05 (3/4) to Comp. Module
	Drain	mm (inch)	-	25(1)
Sound Pressure Level	Cooling (Rated)	dB(A)	45	45
	Heating (Rated)	dB(A)	45	45
Sound Power Level dB(A)		-	-	
Communication Cable mm² x No. (VCTF-SB)		2C × 1.0 ~ 1.5 to IDU	$2C \times 1.0 \sim 1.5$ to Comp. Module	
Refrigerant	Refrigerant Name		R410A	R410A
	Precharged Amount	kg	2.0	-
	t-CO ₂ eq		4.175	-
	Control		-	Electronic Expansion Valve
Power Supply		V, Ø, Hz	380-415,3,50	220-240, 1, 50

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