

BRIA



DC INVERTER

Air Conditioners



An aerial photograph of a vast, dense tropical rainforest. The canopy is a rich, vibrant green, with numerous tall, thin tree trunks visible through the foliage. The forest extends to the horizon under a clear sky.

Green Design

Bria Air Conditioners are designed with special consideration on the environmental impacts during their whole life-cycle.

The overall objective of Green design products is to reduce greenhouse gas emissions at low cost, through reduced energy demand. Eco-design products are environment friendly as they use R410a refrigerant. This translates in to considerable savings through reduced energy demand during operation. In addition, Bria units are designed and produced taking into account other environmental considerations including materials use; water use; polluting emissions; waste issues and recycling.

3D DC Inverter Technology

Save Energy and enjoy maximum comfort levels with BRIA 3D DC INVERTER technology

The advanced 3D DC Inverter technology allows continuous adjustment and control of the frequency of the compressor and the fan motors of the indoor and the outdoor units.

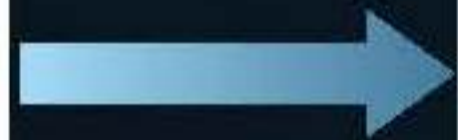
By varying the frequency of the compressor, there is a continuous adjustment of the unit performance to create the perfect indoor conditions fast, smoothly and economically.

The DC Inverter motor of the outdoor unit offers a wide operating range, allowing the unit to work seamlessly in extreme outdoor weather conditions and with great savings of up to 50%. In addition, the internal DC Inverter fan, adjusts with high accuracy the indoor conditions achieving stability in room temperature without fluctuations.

Indoor Unit



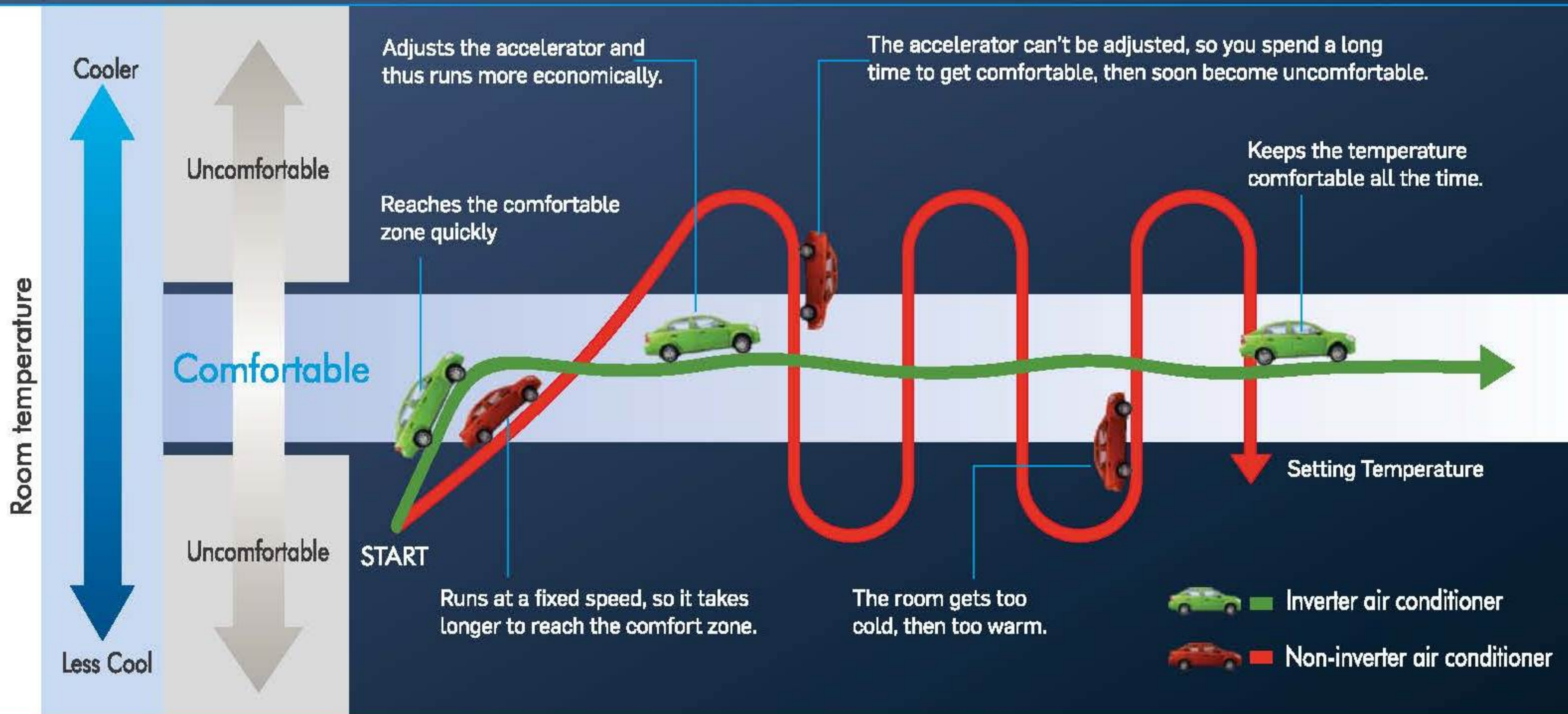
Outdoor Unit



The Advantages of Inverter Control

Comparing inverter and non-inverter air conditioners to cars...

*Image of output power fluctuation



ENHANCED COMFORT:

- Reaches set-point quickly. Uniform temperature is maintained by finely-tuned control of DC motor speed.
- More accurate adjustment to reach set temperature. Eliminates peaks and valleys of temperature swings.
- Precise rotation speed control provides comfortable and consistent room temperature to occupants.

BLDC MOTORS:

- Uses Brush Less Direct Current (BLDC) motor with efficiency up to 90%.
- The motor bearing can operate 80,000 hours continuously.
- The motor adopts fully enclosed structure design.

QUIET OPERATION:

- Step less change of fan speed with very low minimum rpm further helps in reducing the noise level.
- Fan blades with optimized design make the aerodynamic performance better and with low noise.
- The motor bearing with unique design makes less operation vibration.

DC Inverter High Wall Split



- Capacity range: 0.75 Tr to 2.0 Tr
- Heating & Cooling option
- Larger air sweep for better area coverage
- 2 IDU & ODU Combination possible

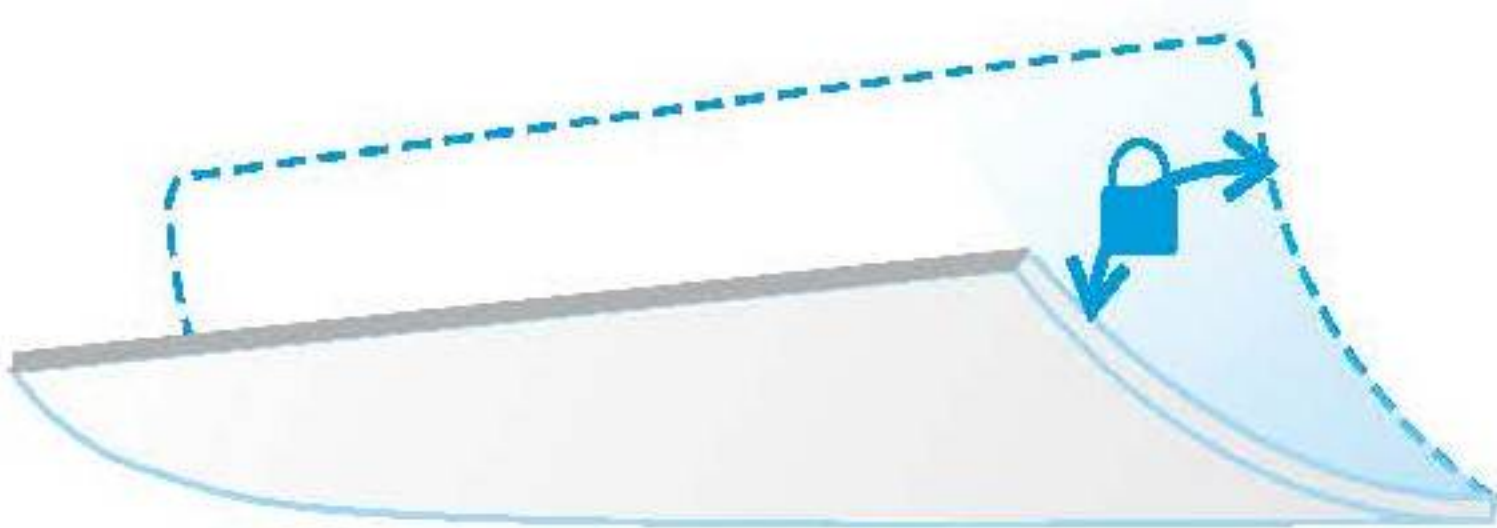
3D Air Flow

Combines vertical and horizontal auto swing to ensure an even distribution of air throughout the room.



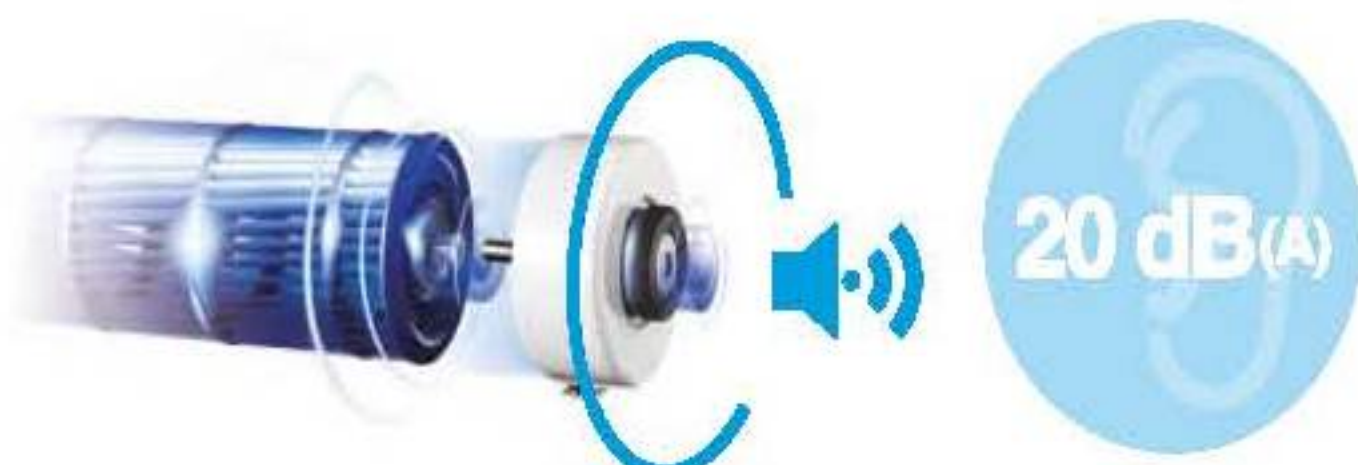
Louver Position Memory Function

Horizontal louver will automatically move to the same position as you set last time when the unit turned on.



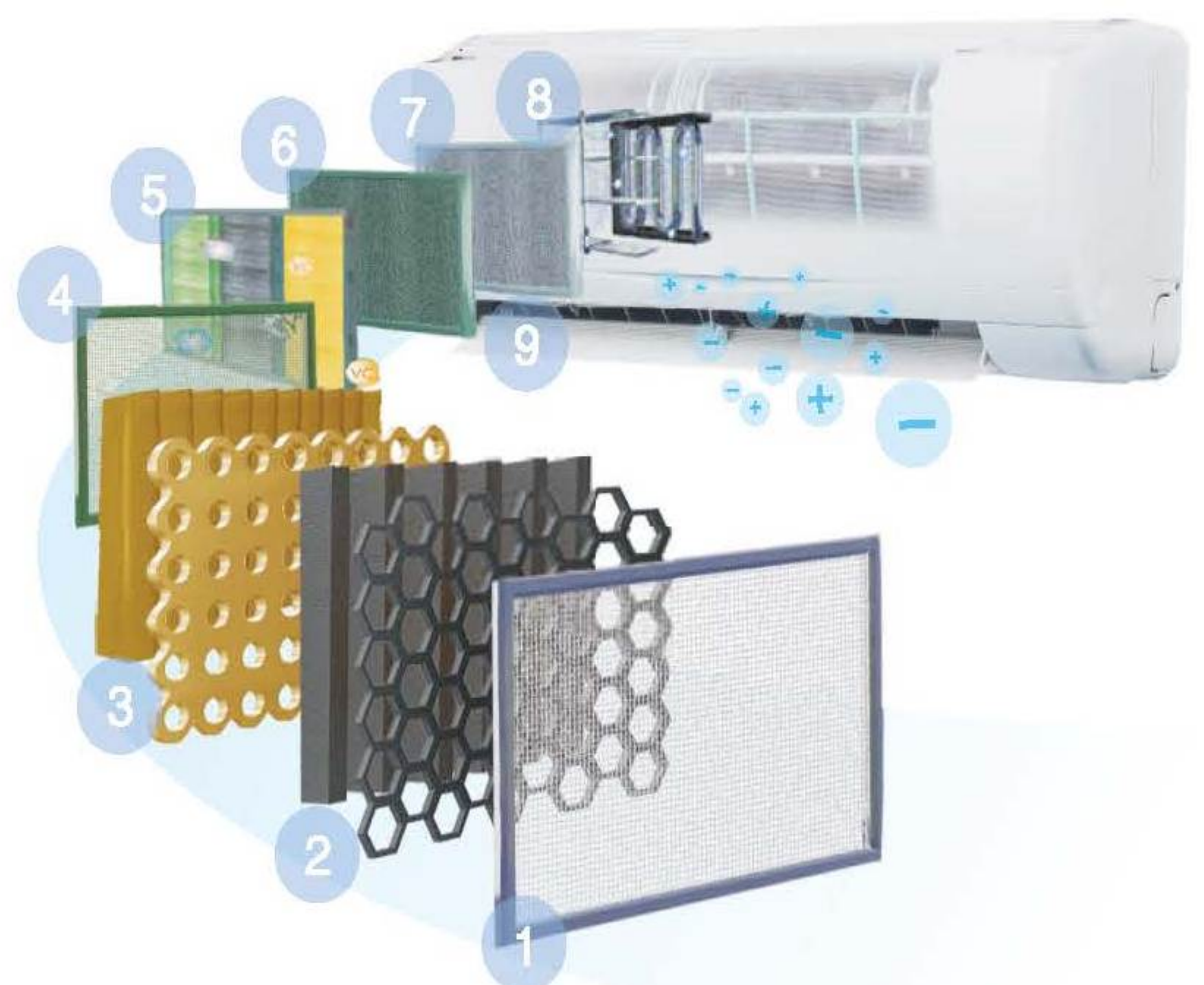
Silent Mode

Indoor fan will run at super breeze speed & indoor unit noise level can be extremely low to 20dB(A) when the unit enters silent mode operation.



Healthy Air Filter System

Bria's Fresco Tech brings you clean and refreshing air and fills your room with the soothing scent of nature.



- | | | | |
|---|----------------------|---|-----------------------|
| 1 | Silver Ion Filter | 6 | 3M HAF Filter |
| 2 | Cold Catalyst Filter | 7 | Negative Ion Filter |
| 3 | Vitamin C Filter | 8 | Plasma Dust Collector |
| 4 | Bio Filter | 9 | Ionizer |
| 5 | Compound Filter | | |

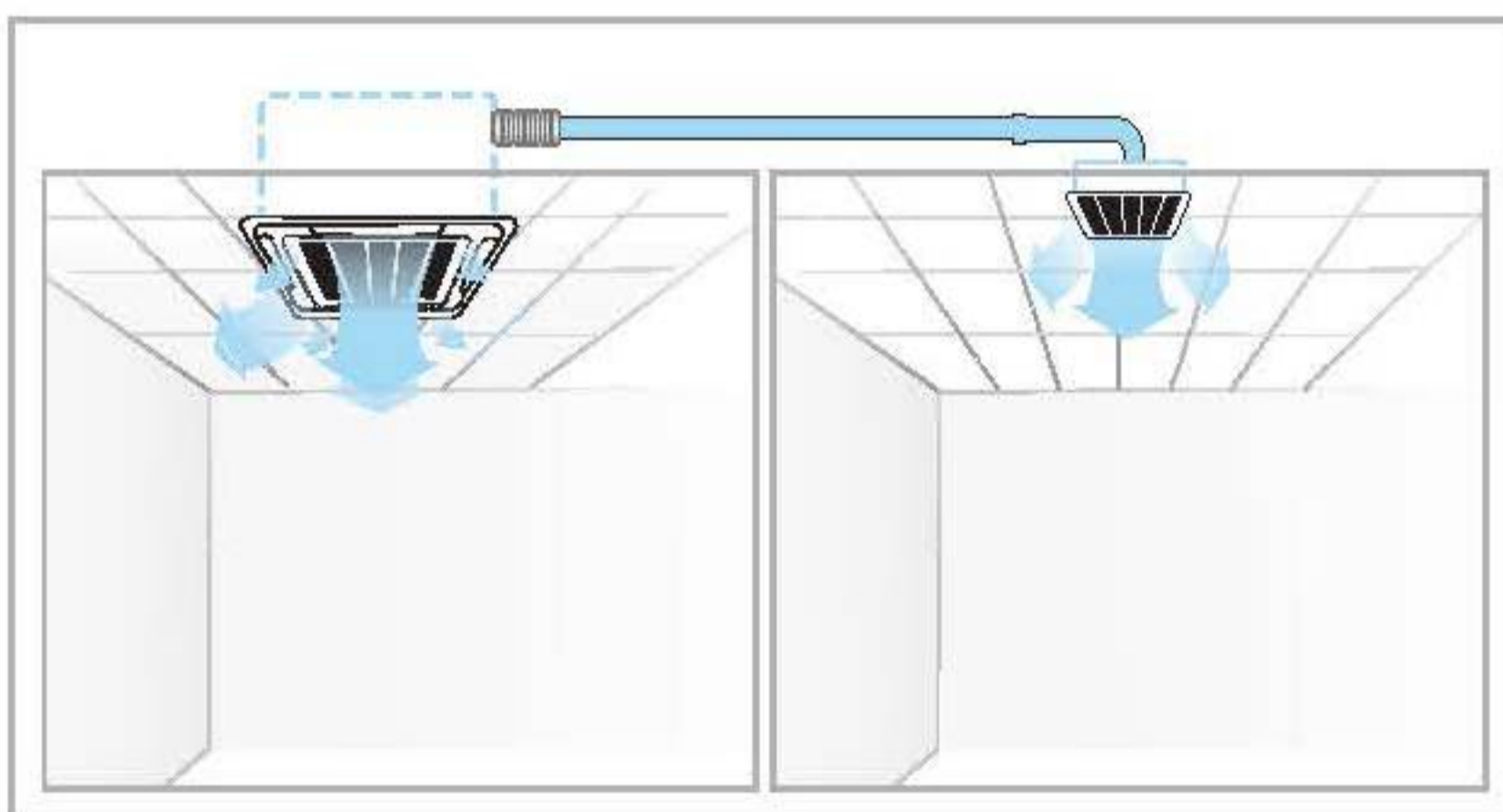
DC Inverter Super Slim Cassette



- Super Slim Cassette Design
 - ◆ 205mm for 1.5Tr and 2Tr
 - ◆ 245mm for 3Tr to 5Tr
- Drop down Filter-upto 4m drop
- 360° Flow Grill Design
- Heating & Cooling options available
- Capacity range : 1.5Tr to 5Tr
- 2 IDU & 1 ODU combination possible

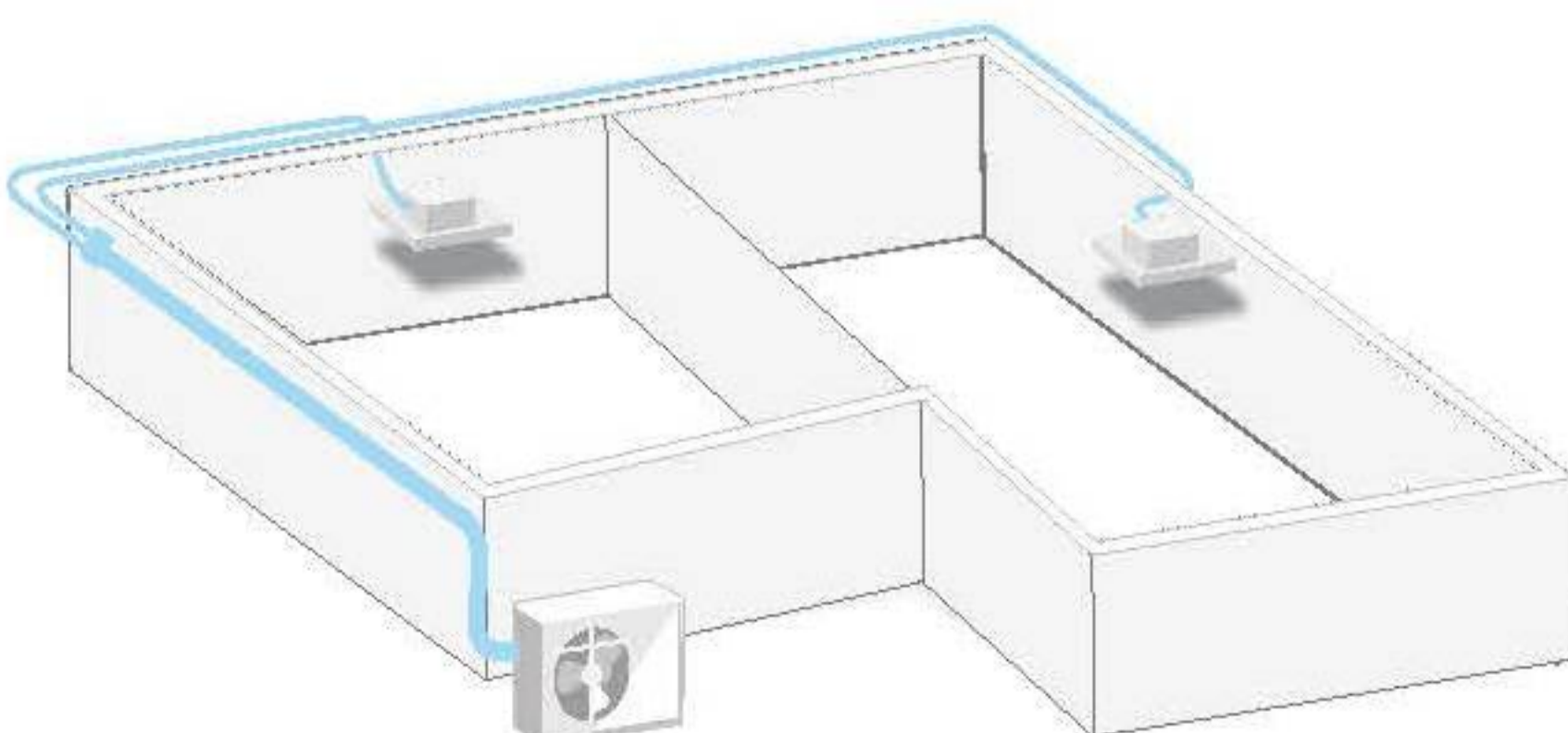
Reserved Air Outlet

Reserves the space for air outlet from the indoor side, the unit also can be connected to air duct from each side of the body to the nearby small room.



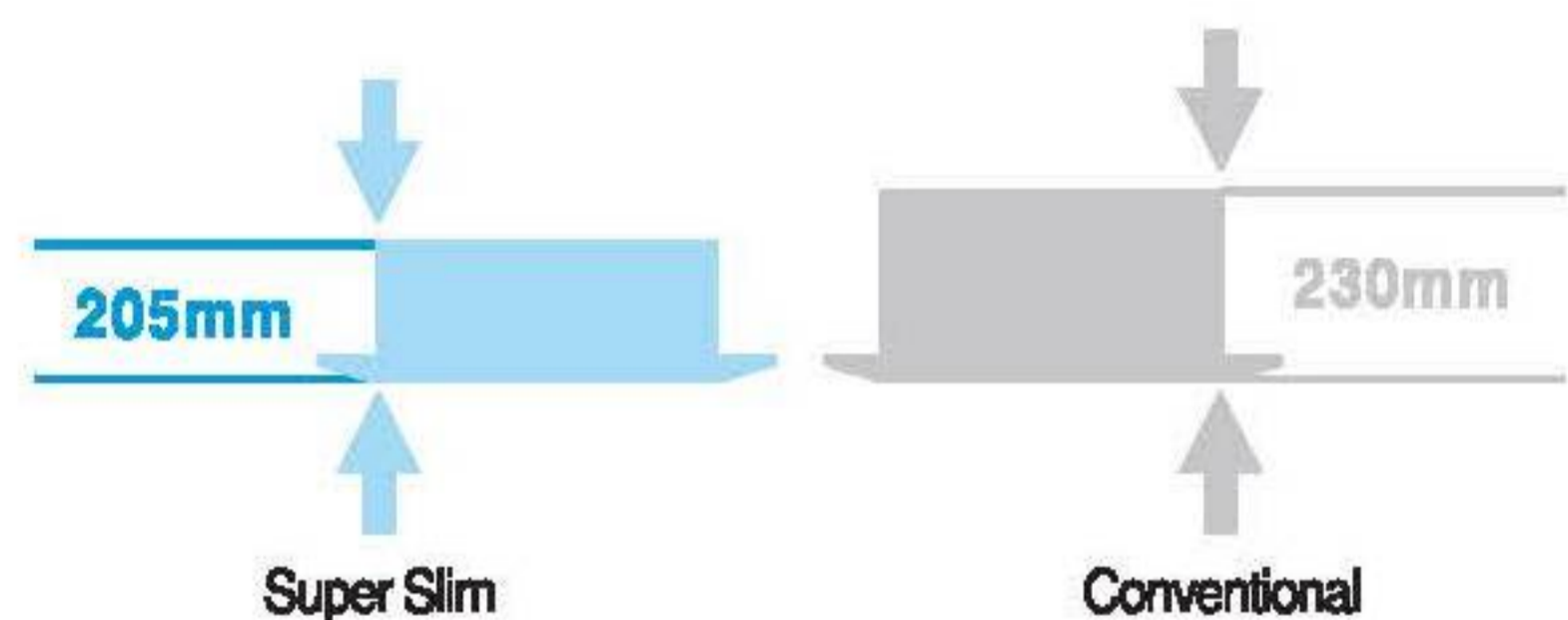
Twin Combination (optional)

The units can be installed as twin systems, one outdoor unit can connect with two indoor units. The indoor units can be combined in any of the different available ratings.



Super Slim Design

Height 205mm up to 2.5Tr & 245mm for 3 & 4Tr



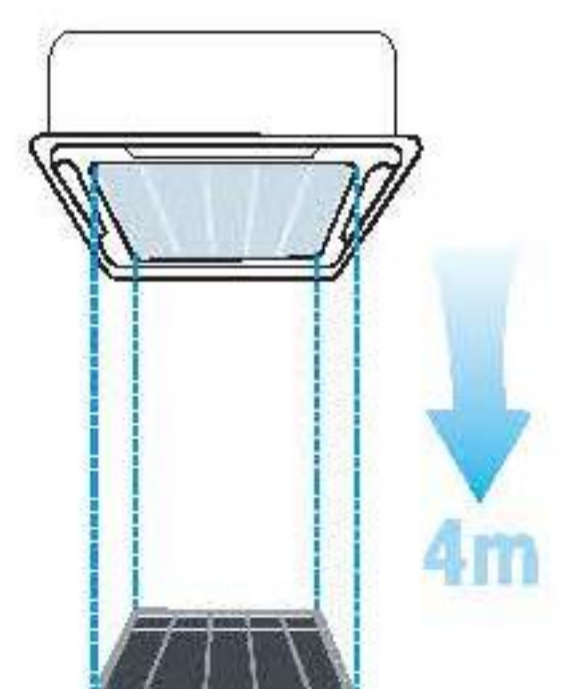
360° Air Flow Panel

360° air outlet creates a soft and gentle air flow which circulates throughout the whole space and provides an even temperature distribution in the room.



Drop Down Filter Possible (optional)

The removable lifting panel makes the cleaning process much easier.



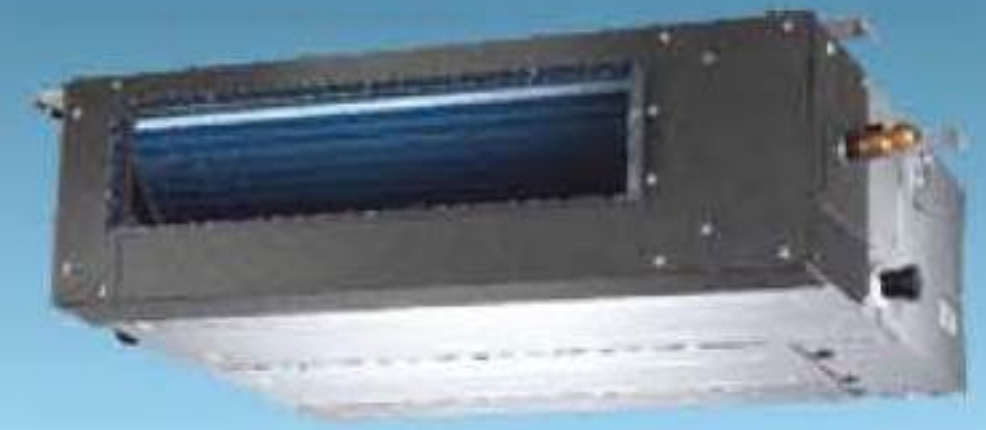
Multi Inverter Split Air Conditioner



High Wall



Compact Cassette



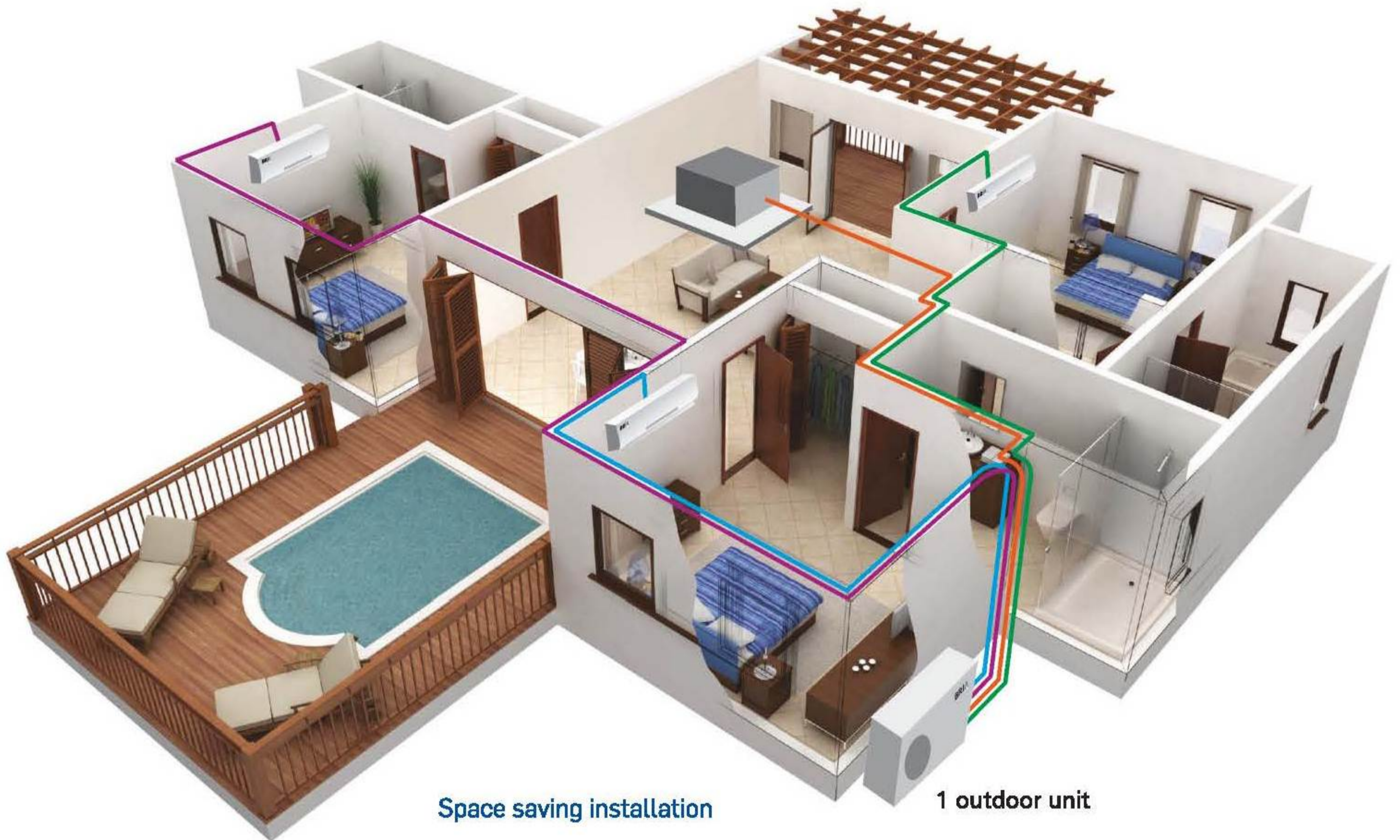
Middle Static Duct



Ceiling & Floor



- Connects up to 5 Indoor Units.
- Excellent Operation in extreme weather conditions without efficiency loss.
- Operating Range: Cooling -15°C ~ 43°C / Heating -15°C ~ 30°C .
- Flexible Installation: Maximum total pipe length up to 75m.
- Wide Voltage Range (198-264V).
- Discharge Pipe Sensor Protection.
- Electronic Expansion Valve Per Circuit.
- Error Diagnosis Display.



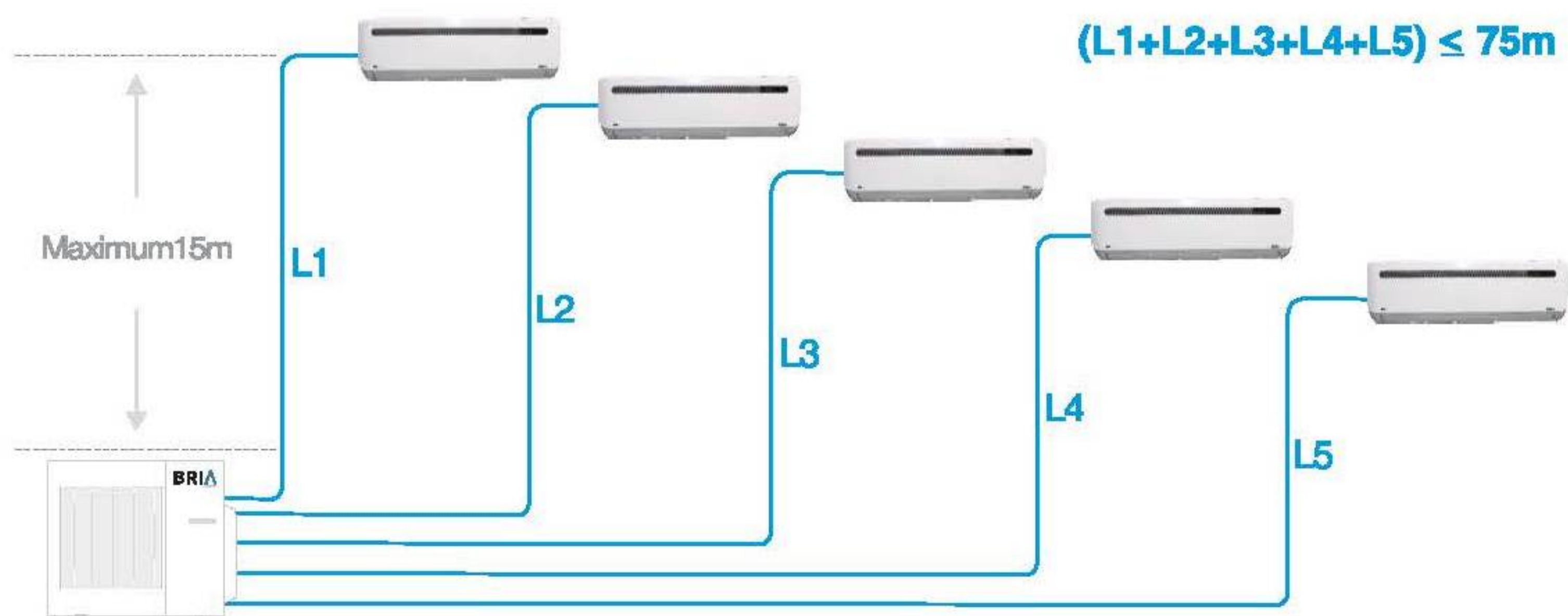
Space saving installation

1 outdoor unit

Up to five indoor units can be connected to a single outdoor unit, reducing the number of outdoor units required. All indoor units can be individually controlled and do not need to be installed even at the same time.

Flexible installation

With the long piping design, up to a maximum total piping length of 75m, a maximum height difference of 15m can be supported, allowing a wide choice of installation sites and making installation simple and economical.



DC Inverter High Wall Split



R410a

Model		Unit	MS11D-12CRDN1-QC2	MS11D-18CRDN1-QC2	MS11D-21CRDN1-QC2W
Indoor Airflow	(H/M/L)	CMH	600/530/400	1100/1000/830	1100/1000/830
Cooling nor (min-max)	Capacity	Btu/h	12000 (5000~14000)	18000 (8000~20000)	21000 (10000~22000)
	Power Input	W	1090 (380~1420)	1640 (600~2020)	1920 (750~2220)
Indoor Sound Pressure	(H/M/L)	db(A)	39/34/31	47/44/39	47/44/39
Power Supply		V/Ph/Hz	220~240/1/50	220~240/1/50	220~240/1/50
Input Current		A	5.0 (1.8~6.4)	7.5 (2.8~8.9)	8.8 (3.4~10.1)
Dimensions (WxDxH)	Indoor	mm	770x188x255	1030x218x315	1030x218x315
	Outdoor	mm	780x250x540	760x285x590	845x320x700
Weight	Indoor	kg	7.5	12	12
	Outdoor	kg	28	34.5	45
Diameter	Liquid/Gas	mm	Ø6.35/Ø9.52	Ø6.35/Ø12.7	Ø9.52/Ø15.9
	Drain	mm	ODØ25	ODØ25	ODØ25
Ambient Temp. Cooling		°C	-15~50	-15~50	-15~50

DC Inverter Super Slim Cassette



R410a

Model		Unit	MCD-18HRDN1-Q	MCD-24HRDN1-Q	MCD-36HRDN1-Q	MCD-48HRDN1-Q	MCD-60HRDN
Indoor Airflow	H/M/L	CMH	1000/820/700	1250/1050/900	1800/1600/1400	1750/1550/1350	2000/1700/1500
Capacity nor (min-max)	Cooling	Btu/h	18000 (5425~19280)	24000 (5400~27000)	36000 (9800~42310)	48000 (11600~51200)	54592 (19243~57731)
	Heating	Btu/h	20000 (5000~20935)	26000 (5800~29000)	38000 (12600~45050)	52000 (14330~54600)	65000 (22928~68786)
Power Input	Cooling	W	1640 (490~2130)	2160 (650~2800)	3240 (970~4210)	4320 (1300~5610)	4990 (2070~6220)
	Heating	W	1590 (480~2070)	2060 (620~2680)	3140 (940~4080)	4130 (1240~5380)	4850 (2200~6590)
Indoor Sound Pressure	H/M/L	dB(A)	37/34/32	43/41/38	48/46/45	48/46/45	57/50/46
Power Supply		V/Ph/Hz	220~240/1/50	220~240/1/50	380~415/3/50	380~415/3/50	380~420/3/50
Dimensions(WxDxH)	Indoor	mm	840x840x205	840x840x205	840x840x245	840x840x245	840x840x287
	Panel	mm	950x950x55	950x950x55	950x950x55	950x950x55	950x950x55
	Outdoor	mm	760x285x590	845x320x700	990x354x966	938x392x1369	938x392x1369
Weight	Indoor	kg	26.5	26.5	29.5	32	36
	Outdoor	kg	42	52	81	102	107
Diameter	Liquid/Gas	mm	Ø6.35/Ø12.7	Ø9.52/Ø15.9	Ø9.52/Ø15.9	Ø9.52/Ø15.9	Ø9.52/Ø15.9
	Drain	mm	ODØ32	ODØ32	ODØ32	ODØ32	ODØ32
Ambient Temperature	Cooling	°C	-15~50	-15~50	-15~50	-15~50	-15~50
	Heating	°C	-15~24	-15~24	-15~24	-15~24	-15~24



R410a

Multi Inverter Split Air Conditioner

Outdoor Units

Model		Unit	M30C1-21HRDN1-Q	M30C1-27HRDN1-Q	M40C-36HRDN1-Q	M50A-36HRDN1-Q
System Format			1 drive 3	1 drive 3	1 drive 4	1 drive 5
Capacity nor (min-max)	Cooling	Btu/h	21000 (7000~25000)	26000 (7000~28000)	36000 (7000~43000)	36000 (7000~43000)
	Heating	Btu/h	23000 (9000~26000)	28000 (10000~31000)	38000 (9000~45000)	41000 (9000~48000)
Power Input	Cooling	W	1920	2380	3450	3420
	Heating	W	1870	2275	3380	3400
Sound Pressure		dB(A)	58	58	61	65
Power Supply		V/Ph/Hz	220~240/1/50	220~240/1/50	220~240/1/50	220~240/1/50
Operating Current	Cooling/Heating	A	8.6/8.4	10.8/10.4	15.5/15.2	15.8/15.8
Dimensions(WxDxH)		mm	845 x 320 x 700	845 x 320 x 700	990 x 345 x 965	990 x 345 x 965
Weight		kg	45	51	79	80
Diameter	Liquid/Gas	mm	3x(Ø6.35/Ø9.52)	3x(Ø6.35/Ø9.52)	4x(Ø6.35/Ø9.52)	5x(Ø6.35/Ø9.52)



Compact Cassette



Middle Static Duct

Model	Unit	MCA2I-09HRDN1	MCA2I-12HRDN1	MCA2I-18HRDN1	MTB1-09HRDN1-Q	MTB1-12HRDN1-Q	MTB1-18HRDN1-Q	
Airflow	m3/h	580	580	750	600	600	900	
Cooling Capacity	Btu/h	9000	12000	18000	9000	12000	18000	
Heating Capacity	Btu/h	11000	13000	20500	11000	13000	20000	
Indoor Sound Pressure	H/M/L	dB(A)	42/38/32	42/38/32	44/39/33	39/34/28	39/34/28	41/34/29
Dimensions	Indoor WxDxH	mm	570 x 570 x 260	570 x 570 x 260	570 x 570 x 260	700x635x210	700x635x210	920x635x210
	Panel WxDxH	mm	647 x 647 x 50	647 x 647 x 50	647 x 647 x 50	-	-	-
Weight		kg	18.5	19.5	20.5	20	20	23
Diameter	Liquid/Gas	mm	Ø6.35/Ø9.52	Ø6.35/Ø9.52	Ø6.35/Ø12.7	Ø6.35/Ø9.52	Ø6.35/Ø9.52	Ø6.35/Ø12.7



High Wall



Ceiling & Floor

Model	Unit	MS11DI-09HRDN1-Q	MS11DI-12HRDN1-Q	MS11DI-18HRDN1-Q	MUBI-12HRDN1	MUBI-18HRDN1	
Airflow	m3/h	530	630	850	584	800	
Cooling Capacity	Btu/h	9000	12000	17000	12000	18000	
Heating Capacity	Btu/h	10000	13000	18000	13000	20000	
Indoor Sound Pressure	H/M/L	dB(A)	36/30/28	38/36/28	42/40/35	39/36/33	39/36/33
Dimensions	WxDxH	mm	680 x 178 x 255	770 x 188 x 255	905 x 198 x 275	990 x 203 x 660	990 x 203 x 660
Weight		kg	7	7.5	9	24	24
Diameter	Liquid/Gas	mm	Ø6.35/Ø9.52	Ø6.35/Ø9.52	Ø6.35/Ø12.7	Ø6.35/Ø9.52	Ø6.35/Ø12.7

BHUTORIA



BHUTORIA AIRCONDITIONING PVT. LTD.
340 / 2722, Motilal Nagar No. 2, Link Road, Goregaon (W), Mumbai 400090. INDIA.
+91 22 28788849 / 54 | info@bria.net.in | www.bria.net.in