



5-Tick Rating | Compact Size | ThinQ™ | AI Air

AIR CONDITIONER

SPLIT SYSTEM / SMART INVERTER



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WHY MULTI SPLIT R32 SMART INVERTER

LG's Multi Split system provides powerful, efficient cooling up to 4 indoor units operating from a single outdoor unit. The advanced inverter technology offers powerful performance while consuming less energy, space, as well as sound.

Sleek and elegant indoor units are fitting for all room sizes.

The R32 smart inverter can be easily installed and maintained.



Index

- Higher Energy Efficiency
- NEA 5-Tick Rating
- Perfect HDB fit Compact Size
- Smarter life with ThinQ™
- Enhanced air quality with Plasmaster™ Ionizer⁺⁺
- Intelligent Comfort Redefined AI Air

LINE-UP

SINGLE SPLIT

Capacity (Btu/h)	9 k	12 k
Outdoor Units	 S3UZ091L1DA	 S3UZ121L1DA
Indoor Units	 S3NZ091L1DA	 S3NZ121L1DA

MULTI SPLIT

• OUTDOOR UNIT

Capacity (Btu/h)	18 k	28 k	34 k
Outdoor Units	 Z2UQ18GFA1	 Z3UQ28GFA1	 Z4UQ34GFA1
Connectable Indoor Units	Up to 2 indoor units	Up to 3 indoor units	Up to 4 indoor units

• INDOOR UNIT

Capacity (Btu/h)		9 k	12 k	18 k	20 k	24 k
Wall Mounted Type	ARTCOOL Mirror 	 ZMNQ09GDJR0	 ZMNQ12GDJR0	 ZMNQ18GDJR0	 ZMNQ20GDKR0	 ZMNQ24GDKR0
	AI Air 	 S3NZ091L1DA	 S3NZ121L1DA	 ZMNQ18GS1L0	 ZMNQ20GS1L0	 ZMNQ24GS1L0
	Alpha + 	 ZMNQ09GSJB0	 ZMNQ12GSJB0	 ZMNQ18GSJB0	 ZMNQ20GSKB0	 ZMNQ24GSKB0
Ceiling Cassette	4 Way		 AMNQ12GTRA1	 AMNQ18GTQA1		 AMNQ24GTPB0

* R32 Only

Wi-Fi embedded.

R32 Next-Generation Refrigerant

R32 is the next generation refrigerant that efficiently carries heat and has lower environmental impact over R410A refrigerant.

R410A		R32	
2088	Lower Global Warming Potential	675	
	Less Amount Gas Charge	USES UP TO 20 %	
More Refrigerant per kilowatt of the delivered capacity		Less Refrigerant per kilowatt of the delivered capacity	
R32 R125 50 %50 %	Single Component Refrigerant	100 %	

For more detailed information about R32 refrigerant and its benefits, please visit our website at lghvac.com/why-r32.

※ This is based on the properties of environmentally friendly refrigerant R32.

※ The amount gas charge is compared to conventional R410A model.

Caution!

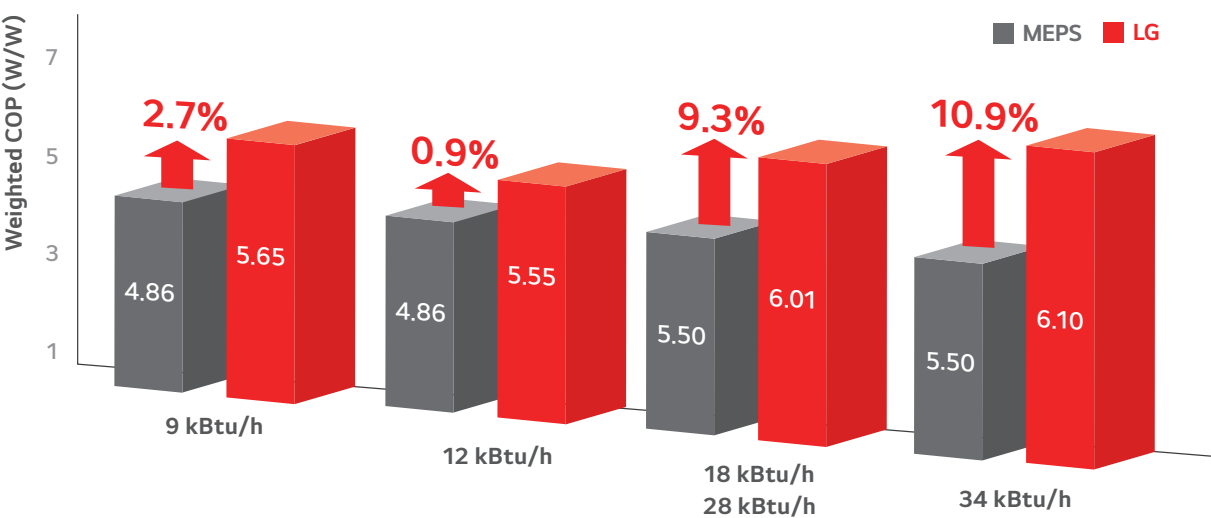
* More precaution should be needed to use R32 refrigerant due to slightly higher toxicity level.

* Higher discharge temperature may cause oil degradation in the compressor, which may damage some of the components in it.

5-Tick Rating

The Coefficient of Performance (COP) of the products is much higher than the Singapore Energy Efficiency Regulation.

Weighted COP Comparison (LG vs MEPS)



Singapore Energy Guide

	W COP	kBtu/h	Single Split		Multi Split		
			9	12	18	28	34
5-tick	5.50 ≤ W COP	Full load COP	4.65	4.12	5.00	4.90	5.00
		Weighted COP	5.65	5.55	6.01	6.01	6.10
		Tick	5	5	5	5	5

※ MEPS : Minimum Energy Performance Standard

• SINGLE SPLIT

S3UZ091L1DA

S3UZ121L1DA

• MULTI SPLIT

Z2UQ18GFA1

UP TO 2 INDOOR UNITS

Z3UQ28GFA1

UP TO 3 INDOOR UNITS

Z4UQ34GFA1

UP TO 4 INDOOR UNITS

Low Noise

LG air conditioners operate at 27 dB low noise level.

How It Works

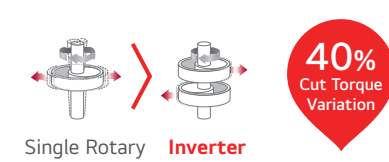
LG's Unique Skew Fan

By minimizing the surface pressure of the fan blade when in contact with the air, the noise produced by the air conditioning unit is reduced to a low level*.



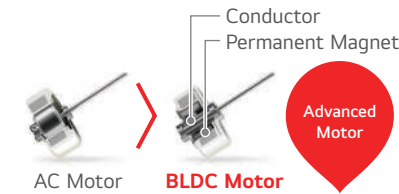
ALVC (Active Low Vibration Control)

A speed-error component estimates the load to compensate for imbalances, which are the primary causes of vibration and noise, enabling the rotation of the motor without vibration at low Hz levels.



BLDC Fan Motor

With strong torque and powerful ND magnetism as well as precise speed control of 13 different steps for smooth operation, the BLDC motor provides substantial air volume and high static pressure, while keeping electrical and mechanical noise lower, and making high-speed operation available.



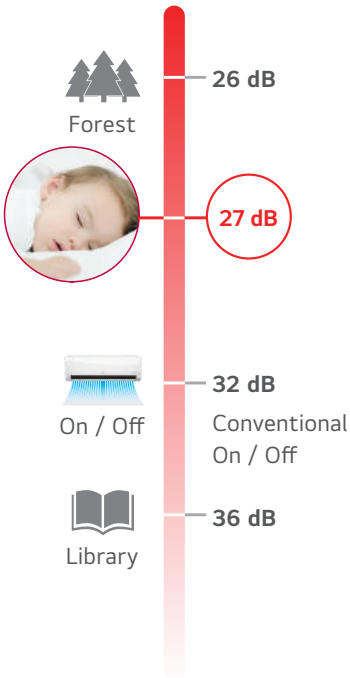
Conventional AC Motor

- Low efficiency
- Heat problem during overhauling
- Difficult precise speed control

BLDC Motor

- Low electric and mechanical noise
- Durable precise speed control

Benefit

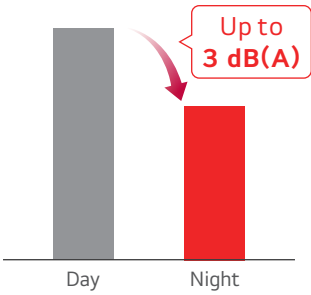
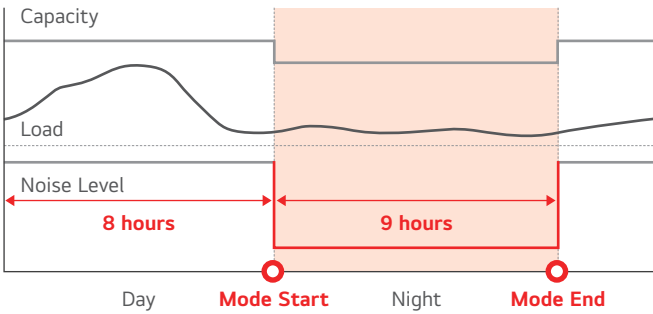


※ For our policy of continuous product improvement, specification, design and feature are subject to change without prior notice.
※ Specifications may vary for each model.

Silent Operation

Silent Operation can reduce noise levels by simply setting the dip switch on the PCB of the outdoor unit.

Cooling Mode



※ This function is only available for Cooling Mode.
※ If you want to stop the Night Quiet Mode, Change the Dip Switch.

※ Based on our policy for the products improvements, specification, design and features are subject to change without any prior notice.
※ Specifications may vary by each model or IDU / ODU combination.
※ Qualified engineer is required to set up this feature.

Compact Size

Fit for HDB Structure



New	W x H x D
S3UZ091L1DA	770 x 545 x 288 mm
S3UZ121L1DA	770 x 545 x 288 mm
Z2UQ18GFA1	770 x 545 x 288 mm
Z3UQ28GFA1	870 x 650 x 330 mm
Z4UQ34GFA1	870 x 650 x 330 mm

Intelligent cooling perfectly tuned

LG DUALCOOL™ AI Air & LG ARTCOOL™

Direction

Temp
23°C

Speed
3

Why LG DUALCOOL™ AI Air

Intelligent Comfort Redefined

Elevate your comfort effortlessly with AI-powered control. Throughout the year, our intelligent system seamlessly adjusts temperature, humidity, and airflow to offer optimal comfort every moment.



AI Comfort Control

AI Air

Revolutionize your comfort with intelligent adaptability. AI Air continuously optimizes airflow using ThinQ™ app to understand your preferences.



Proactive Energy Saving

Effortless Savings, Seamless Living

Experience smarter energy management with LG's advanced technologies that effortlessly blend efficiency and comfort. Stay in control of your energy usage with intuitive features that optimize performance without sacrificing comfort.



Hygienic Air Care

Clean Air Out, Fresh Breath In

A multi-step filtration process with Freeze Cleaning that purifies the air, removing dust and even bacteria, making sure the air you breathe is always fresh.

Soft Air

Experience cooling like never before. Indirect airflow keeps you comfortable without direct contact, while personalized wind temperature settings ensure an ideal environment.

DUAL Vane

Stay cozy all year round. Cool air flows softly from above, and warm air rises gently from below, eliminating the discomfort of direct wind exposure.

Sleep Timer+

Enjoy deeper, smarter sleep. AI learns your sleep rhythm to create a tailored nighttime environment for uninterrupted rest.

AI kW Manager by LG ThinQ™

Set your energy-saving goals with ease. The air conditioner automatically adjusts operation based on your target electricity usage and preferred time period, making energy management effortless.

Human Detecting Sensor

Save energy without lifting a finger. The system detects when a room is unoccupied and automatically switches to energy-saving mode after a set time.

Window Open Detection

Smart detection for smarter savings. If a sudden temperature change is detected within 5 minutes, the system recognizes it as an open window and adjusts operations to avoid energy waste.

All Cleaning Mode

One tap for total cleaning.

Auto Clean+

Dries the inside automatically.

Pre-Filter

Traps big dust particles.

Freeze Cleaning

Ice washing cleaning.

Allergy Filter

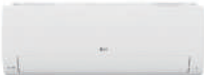
Reduce Allergens allergy.

Plasmaster™ Ionizer++

Remove 99.9% of adhering bacteria.

Feature Overview (WALL MOUNT UNIT)

INDOOR UNIT

Indoor Type		Artcool Mirror					AI Air					Alpha+				
																
But/h		9 k	12 k	18 k	21 k	24 k	9 k	12 k	18 k	21 k	24 k	9 k	12 k	18 k	21 k	24 k
Core Tech	DUAL Inverter Compressor™	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	AI Air	-	-	-	-	-	●	●	●	●	●	-	-	-	-	-
	ThinQ	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Comfort	Soft Air	-	-	-	-	-	●	●	●	●	●	-	-	-	-	-
	DUALVane™	-	-	-	-	-	●	●	●	●	●	-	-	-	-	-
	Sleep Timer	-	-	-	-	-	●	●	●	●	●	-	-	-	-	-
	Comfor Humidity Control	-	-	-	-	-	○	○	-	-	-	-	-	-	-	-
Energy Saving	Window Open Detection	-	-	-	-	-	●	●	●	●	●	-	-	-	-	-
	AI kW Manager	-	-	-	-	-	○	○	-	-	-	-	-	-	-	-
Health	Auto Clean+	●	●	●	●	●	●	●	●	●	●	-	-	-	-	-
	All Cleaning	-	-	-	-	-	○	○	-	-	-	-	-	-	-	-
	Plasmaster™ Ionizer ⁺⁺	●	●	●	●	●	●	●	●	●	●	-	-	-	-	-
Smart	Embedded Wi-Fi	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●

● : Applied to Single & Multi / ○ : Applied to only Single
※ For our policy of continuous product improvement, specification, design and feature are subject to change without prior notice.

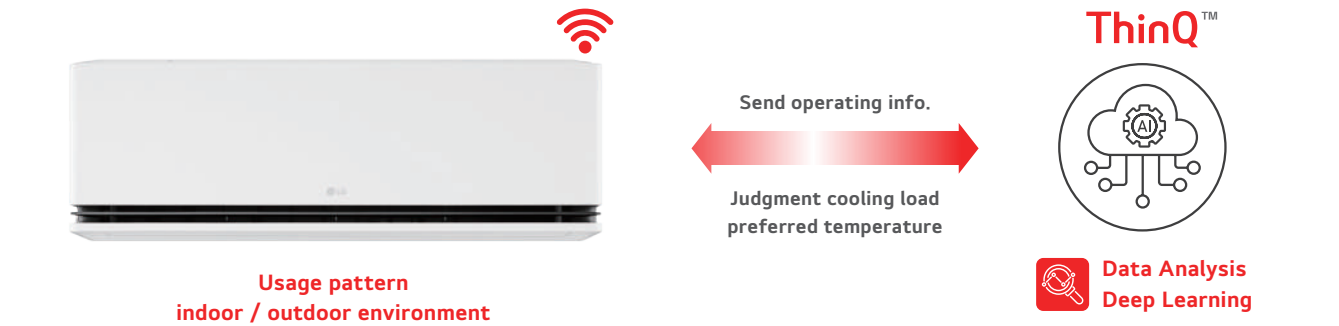
Intelligent Comfort with AI Air

INDOOR UNIT

AI Comfort Control

AI Air (by AI-powered control)

Smarter Cooling with AI Analysis of Space, Location of People
ThinQ™ analyzes not only the customer's air conditioning usage patterns but also periodically analyzes indoor environmental information to automatically set the operating mode of the product and provide customized cooling.



Benefit

Stay Comfortable Wherever You Are
Enjoy personalized comfort, no matter where you are in the room. Advanced ThinQ™ application study your usage pattern, delivering the perfect breeze for your needs—direct cooling when you're hot and gentle, indirect cooling when you've cooled down.

Perfectly Adjusted

With AI Air, comfort is always within reach. Advanced AI-driven space analysis ensures your environment is perfectly adjusted to your needs.

Soft Air

The system eliminates the discomfort of being too cold when it's on or too hot when it's off.

Customized Airflow

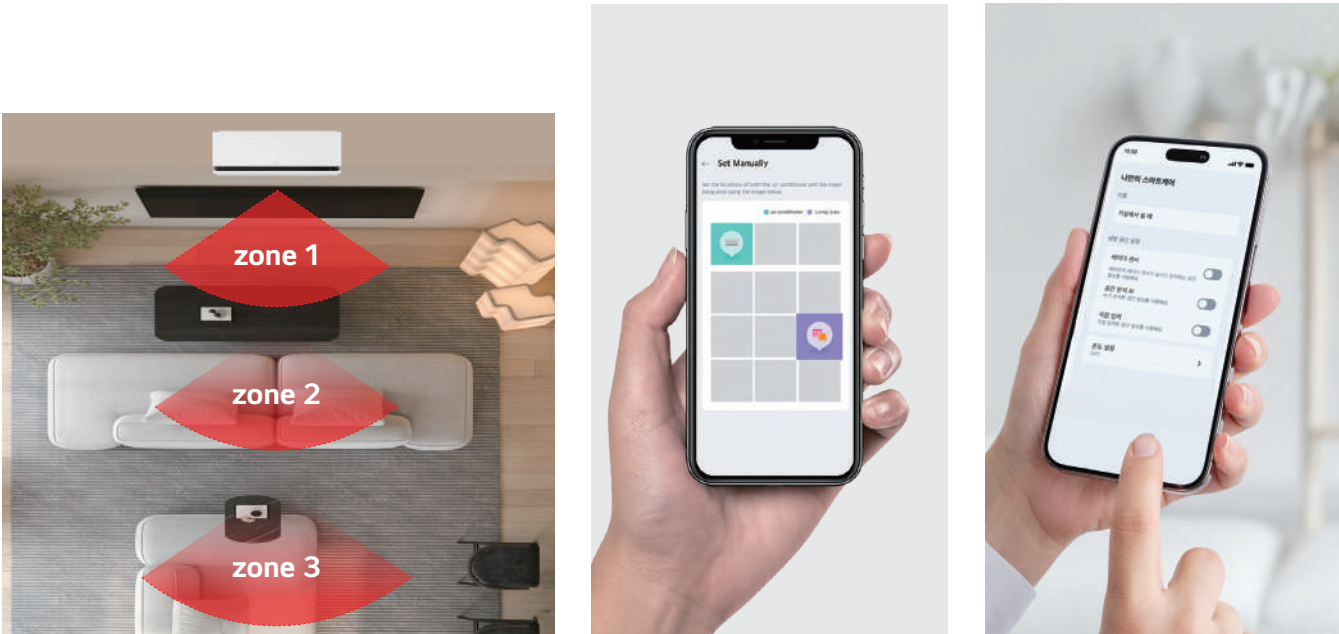
With the ThinQ™ app, you can tailored to your preferences by adjusting the location and areas. This allows you to enjoy a fully customized airflow, tailored to your unique preferences for the ultimate comfort.

AI-driven Space Analysis

This intelligent system ensures that the wind is directed exactly where it's needed, providing the most efficient and comfortable environment possible.

※ Will be applied 2025.2H through "ThinQ™ Up"
Below clip is for Korean domestic market, For Reference Only

Experience a perfectly balanced atmosphere tailored just for you, every moment of the day.



※ The AI Air function is available only in cooling mode. When the AI Air function is activated, it automatically operates in one of three modes (Direct Fast, Indirect Fast, Soft Air) using ThinQ™ settings to occupant's location. And wind direction and speed are adjusted automatically based on the indoor environment and the location of the occupant. When there are multiple occupants in the space, only the location of the nearest occupant is taken into account.
※ The AI Air function can be used by setting the positions of products and furniture in ThinQ™. Based on the set positions, the airflow, wind direction, and product performance are adjusted, but tracking functionality is not provided.
※ For our policy of continuous product improvement, specification, design and feature are subject to change without prior notice.
※ Specifications may vary for each model.

Sleep Timer+ (by AI-powered control)

AI Comfort Control

AI Learns Your Rhythm for Deeper Sleep

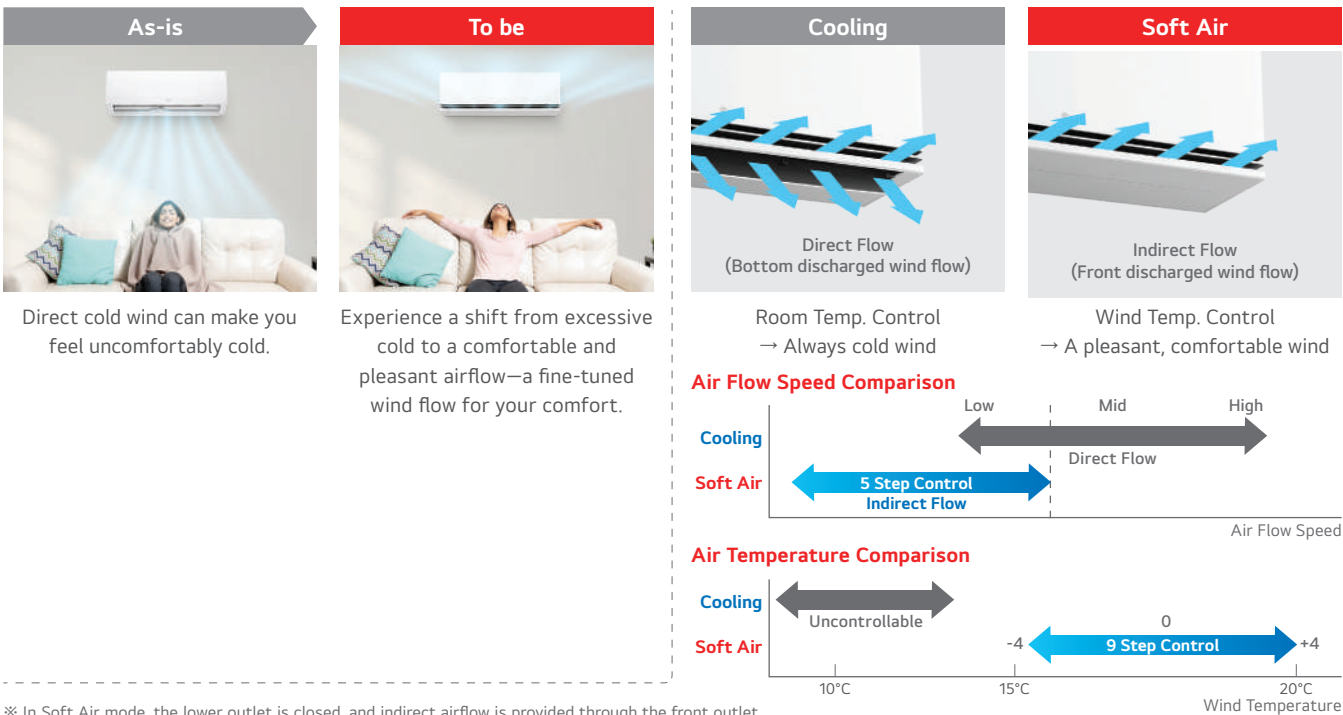
Sleep Timer+ automatically adjusts the temperature to suit your needs. By analyzing usage patterns, Sleep Timer+ mode ensures the environment remained comfortably throughout the night.



- ※ "Sleep Timer+" operates by automatically adjusting the setting temperature through user pattern analysis during sleep mode.
- ※ "Sleep Timer+" is only available in cooling mode.
- ※ "Sleep Timer+" allows the initial setting temperature to be set in the range of 22°C to 28°C.
- ※ "Sleep Timer+" is set through ThinQ™ and can be operated by ThinQ™ and remote controller.
- It can be set from a minimum of 30 minutes to a maximum of 12 hours, and after 1 hours, it can be set in 1-hour increments.
- ※ "Sleep Timer+" is deactivated when setting Energy saving, Power Cooling and Smart care.

Soft Air

Personalize breeze range and temperature.



- ※ In Soft Air mode, the lower outlet is closed, and indirect airflow is provided through the front outlet.
- ※ This function can be applied Cooling / Fan / AI Air mode only.
- ※ During AI Air mode operation, the Soft Air function is automatically activated based on the indoor environment.
- ※ To use the Soft Air function alone, it can be manually activated using the ThinQ™ app or the remote control.
- ※ The wind temperature can be set through ThinQ™ only when using the Soft Air mode alone, not during AI Air operation.
- ※ During the use of soft Air mode alone, the minimum settable room temperature is 24°C.
- ※ The airflow temperature may not increase or decrease depending on the indoor and outdoor temperatures.
- ※ When connected Multi ODU, the set temperature is automatically fixed to minimum settable temperature (24°C) in Soft Air mode.

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※ Specifications may vary for each model.

DUALVane™

AI Comfort Control

DualVane allows airflow circulation ideal for any season.



Longer Stream Wind

The innovative DualVane system combines two separate vanes into one long, unified vane, allowing airflow to reach further than traditional models. This extended airflow ensures more effective and consistent cooling throughout the room, enhancing comfort in every corner.

Indirect Flow

The DualVane system offers an indirect airflow mode for a more comfortable experience than traditional single vane. Cold air flows gently from above your head, while warm air rises from beneath your feet, minimizing the discomfort of direct wind contact and creating a more balanced and pleasant environment.



Faster Cooling

DualVane can provide optimized airflow that single vane cannot achieve. It enables cooling up to 23% faster than single vane.



※ Performance comparison vs Single Vane

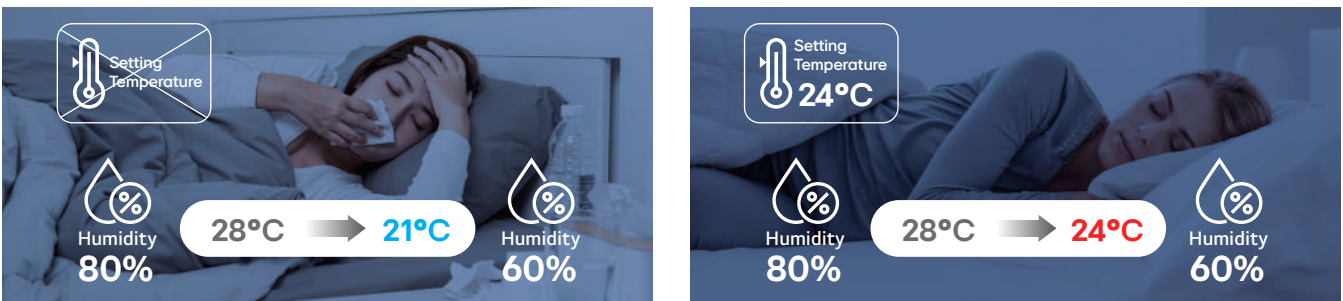
- 1) Date 2024.12, Measurement results in LG air conditioner R&D Center, installation height 2.0 m, Fan mode. Using a wind speed probe, the height range from 0.1 to 1.7 m is measured in 0.2 m increments. Measures the maximum distance reached by airflow more than 0.25 m/s speed from the products.
- 2) Date 2023.10 LG air conditioner home environment testing chamber, 20.9 m/50.1 m², Jet Mode, Indoor DB (33±0.3)°C / RH (60±5)%, Outdoor DB (35±0.3)°C / RH (50±5)% 18°C setting on cooling mode, measured the time took reduce 5°C (for Cooling), from the initial average room temperature. Test Model : S3-M12KL2MB (SK), S3-M12L1C0 (S1 New Platform)
- 3) The performance result may vary depending on actual usage conditions.

Comfort Humidity Control

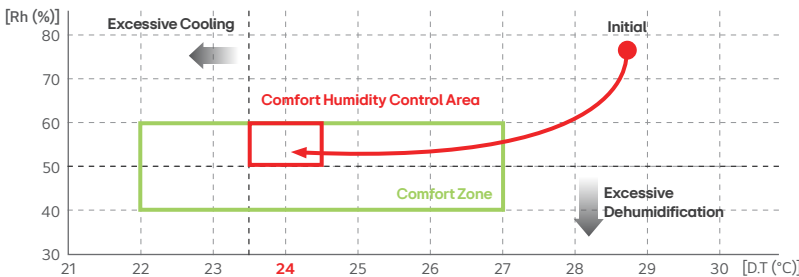
Comfort Humidity Control perfects your home with desired humidity temperature.

Conventional

LG DUALCOOL™



Operation Example (24°C Setting)



- ※ The air flow changes automatically based on the operating environment.
- ※ This function can be used through remote controller and LG ThinQ™ app.
- ※ When connected to Multi ODU, this function is not supported.

※ For our policy of continuous product improvement, specification, design and feature are subject to change without prior notice.
※ Specifications may vary for each model.
※ Only available for AI AIR 9K / 12K single split

Window Open Detection

Proactive Energy Saving

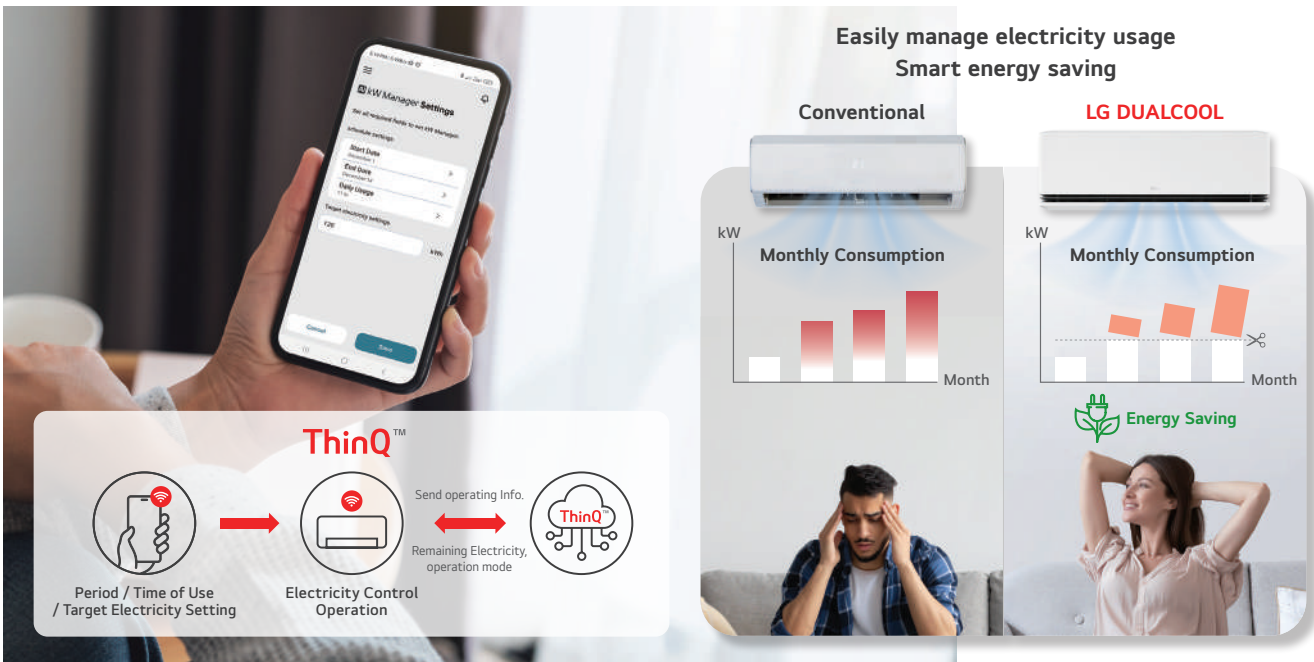
Energy saving mode is activated during change in temperature, prevents condensation when windows are open.



- ※ The initial setting is off when the product is shipped.
- ※ This function can be set up through LG ThinQ™ app only.
- ※ The "Window Open Detection" function is available in Cooling mode only.
- ※ The default energy saving mode operating time is 10 minutes and can be set up to 60 minutes through LG ThinQ™ app.

AI kW Manager

Control your energy usage via ThinQ™ app.

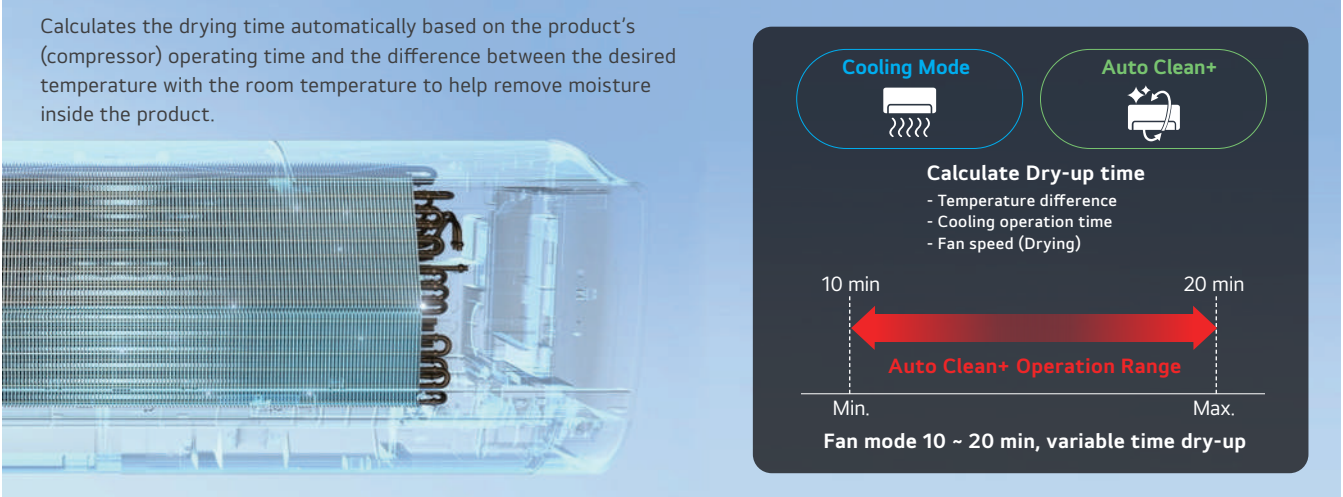


- ※ During the set period, the accumulated electricity is monitored and performance (electricity consumption) limiting operation is performed for remaining period.
- ※ If the accumulated electricity is increase due to over the daily usage time, remaining electricity is recalculated to each days for operate product. ※ This function can use through ThinQ™ only.
- ※ If the accumulated electricity within the set period exceeds the target amount, the function is released and changed to general operation mode with a ThinQ™ notification.
- ※ When connected to Multi ODU, this function is not supported.
- ※ AI kW Manager works only cooling mode.
- ※ Only available for AI AIR 9K / 12K single split

Auto Clean⁺

Hygienic Air Care

Auto Clean⁺ is activated base on compressor operating time.

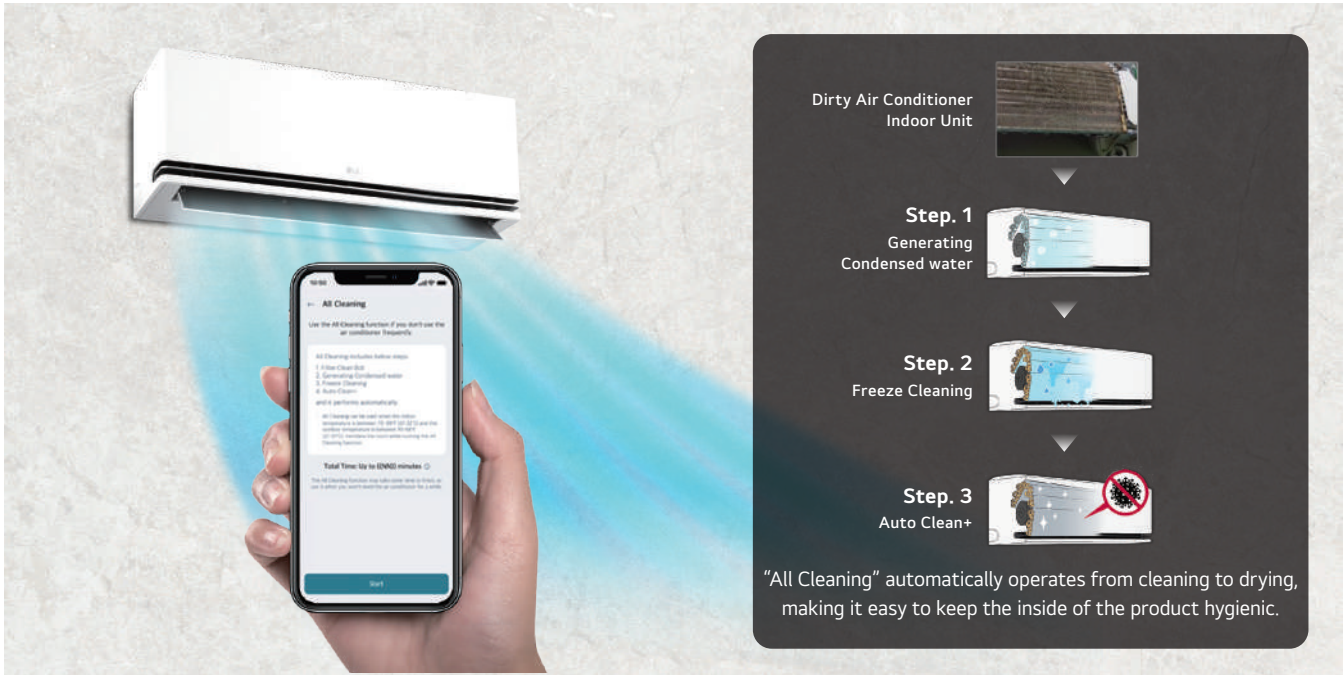


- ※ The Auto Clean+ operating time is automatically set according to the appliance usage conditions, and the progress status is displayed as the remaining minutes on the indoor unit display.
- ※ The AI dry time is automatically set up to 20 minutes. (for ARTCOOL Gallery, 15 to 25 min)
- ※ Through the ThinQ™ app, customer can set the wind speed and adjust the drying speed.
- ※ The drying condition inside the appliance may be differently depending on the temperature or humidity of the indoor air.

- ※ For our policy of continuous product improvement, specification, design and feature are subject to change without prior notice.
- ※ Specifications may vary for each model.

All Cleaning

All Cleaning can be activated via ThinQ™ app



- ※ When using the "All Cleaning", generating condensed water, Freeze Cleaning, and Auto Clean+ operate sequentially.
- ※ "All Cleaning" is only available on ThinQ™, and the function can be deactivated when stopping operation or changing modes or settings using the remote controller. When the function is activated, "AL" is displayed on the product.
- ※ "All Cleaning" can be operated at 21 ~ 32°C (indoor) / 21 ~ 37°C (outdoor).
- ※ The operation time of the "All Cleaning" may vary depending on the environment and usage conditions.
- ※ When connected to Multi ODU, this function is not supported.
- ※ Only available for AI AIR 9K / 12K single split

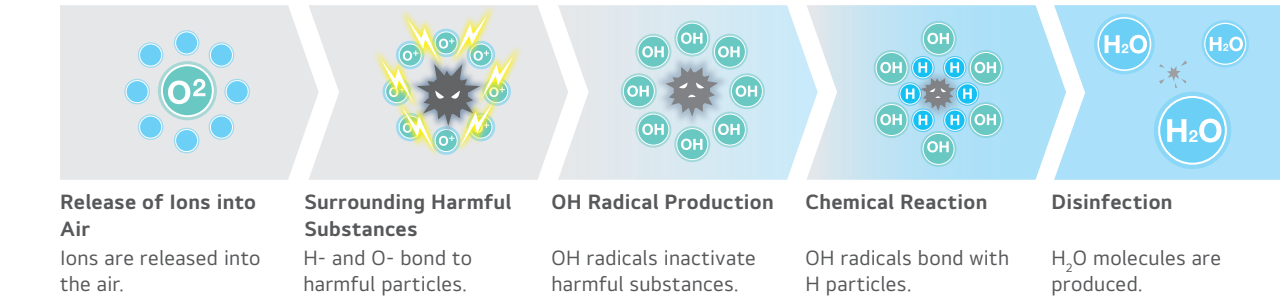
Plasmaster™ Ionizer⁺⁺

Plasmaster™ Ionizer⁺⁺ removes unpleasant odors, along with Escherichia coli and Staphylococcus on surfaces, using over 8 million ions. Experience a safer, cleaner indoor environment.

How It Works

Reduction and Deodorization (Utilizes Over 8 Million Ions)

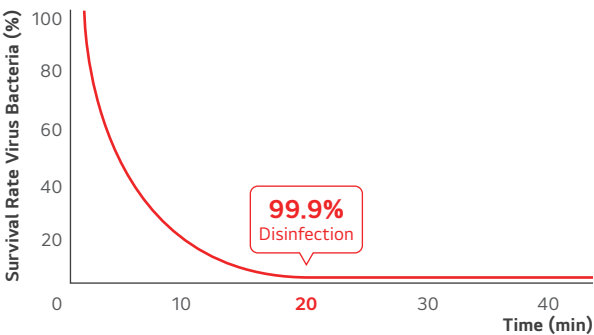
Plasmaster Ionizer⁺⁺ reduces E.coli and Staphylococcus in the surface with over 8 million ions.



Test Result

Effective Reduction Performance

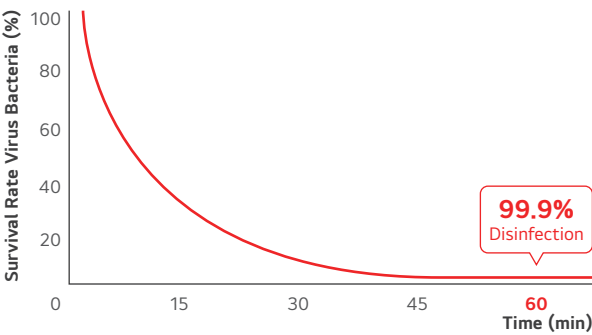
Remove Bacteria E.coli over 99.9% in 20 min



※ Test Conditions :
Space : 30 m³ Chamber (Measuring with the specimen in the center of test chamber)
Temperature & Humidity : Normal
Bacteria : Escherichia coli
Verified by Intertek & TÜV Rheinland

Effective Reduction Performance

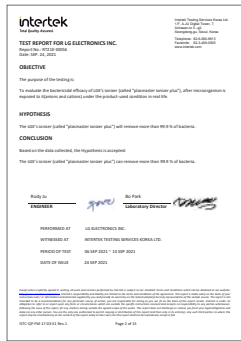
Remove Staphylococcus aureus over 99.9% in 60 min



※ Test Conditions :
Space : 30 m³ Chamber (Measuring with the specimen in the center of test chamber)
Temperature & Humidity : Normal
Bacteria : Staphylococcus Aureus
Verified by Intertek & TÜV Rheinland

Benefit & Verification

The LGE's ionizer, known as "Plasmaster Ionizer⁺⁺," has demonstrated the capability to remove more than 99.9% of bacteria, including Escherichia coli, Pseudomonas aeruginosa, and Staphylococcus aureus.



※ Depending on the experimental conditions.
※ For our policy of continuous product improvement, specification, design and feature are subject to change without prior notice.
※ Specifications may vary for each model.

ThinQ™

Download the ThinQ™ app from Google or Apple app stores.



How It Works

① Turn on "ThinQ™" on Your Air Conditioner

Download ThinQ™ on Google or Apple app stores.



② Register and Log-in

Follow the steps to activate and setup ThinQ™ account.



③ Enjoy Unlimited Innovation

Experience seamless connectivity and explore the features.

Wi-Fi Connectivity

Personalized settings can be customized for different air conditioner units and different family members preferences.

Multiple Devices



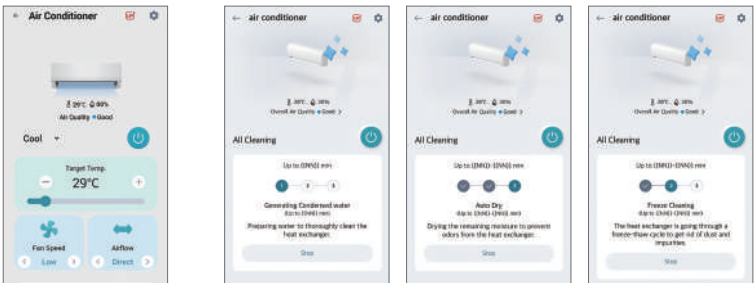
Multi-Control



※ Can be controlled by multiple users, but not simultaneously.

Benefit

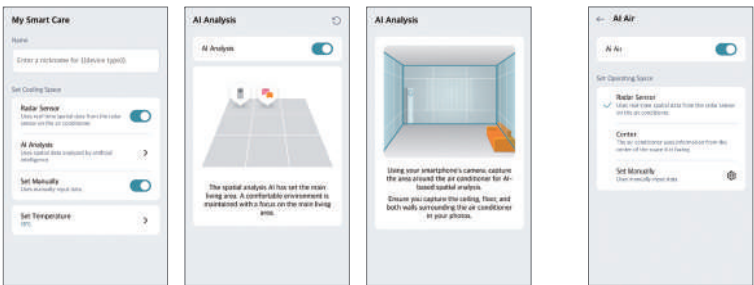
Simple Operation for Various Functions



Energy Monitoring

All Cleaning

Straight-forward Management



My Smart Care

AI Air Updated

※ For our policy of continuous ThinQ™ App improvement, specification, design and features are subject to change without prior notice.
※ For our policy of continuous product improvement, specification, design and feature are subject to change without prior notice.
※ Specifications may vary for each model.

Integrated Home Appliances Control

Monitor and control your LG appliances from one place.



Access Your Air Conditioner Anytime and Anywhere

with a Wi-Fi equipped device and LG's exclusive control app, ThinQ™.



Specification

INDOOR / OUTDOOR UNIT



SINGLE SPLIT

S3-Z091L1DA / S3-Z121L1DA



Category		Unit	S3-Z091L1DA (S3NZ091L1DA / S3UZ091L1DA)	S3-Z121L1DA (S3NZ121L1DA / S3UZ121L1DA)
Major	Minor			
Classification	Chassis (Indoor / Outdoor)	-	S1 / U18A	S1 / U18A
Power Supply	#1	V, Ø, Hz	220 - 240, 1, 50	220 - 240, 1, 50
	Limit Range of Voltage (#1)	V	187 ~ 276	187 ~ 276
Cooling Capacity	Rated	kW	2.70	3.50
		Btu/h	9,212	11,942
	Min ~ Max	kW	0.63 ~ 3.70	0.63 ~ 4.30
		Btu/h	2,150 ~ 12,624	2,150 ~ 14,672
Power Input	Rated	kW	0.58	0.85
	Min ~ Max	kW	0.20 ~ 1.10	0.20 ~ 1.35
Efficiency	EER	W/W	4.65	4.12
	WCOP	W/W	-	-
	Energy Label (Cooling)	-	5-tick	5-tick
	Rated	A	3.30	4.10
Running Current	Min ~ Max	A	0.90 ~ 5.50	0.90 ~ 6.20
Power Factor	Cooling	%	93	93
Moisture Removal	-	l/h	1.25	1.25
Indoor Fan	Type	-	Cross Flow Fan	Cross Flow Fan
	Air Flow Rate (SH / H / M / L)	m³/min	13.6 / 10.5 / 8.1 / 5.7	13.6 / 10.5 / 8.1 / 5.7
Indoor Sound Pressure Level	Motor Output	W	30	30
	(SH / H / M / L)	dB(A)	40 / 35 / 30 / 24	40 / 35 / 30 / 24
Indoor Dimensions	Net (W x H x D)	mm	895 x 307 x 235	895 x 307 x 235
	Shipping (W x H x D)	mm	967 x 383 x 296	967 x 383 x 296
Indoor Weight	Net	kg	11.0	11.0
	Shipping	kg	13.0	13.0
Indoor Exterior Color	-	-	Munsell 7.5BG 10/2 (RAL 9003)	Munsell 7.5BG 10/2 (RAL 9003)
	Material, Tube / Fin	-	Cu / Al	Cu / Al
Heat Exchanger (Indoor)	(Ø x Row x Column x FPI x L) x Qty.	#1	(Ø 7 x 2 x 16 x 21 x 686.6) x 1	(Ø 7 x 2 x 16 x 21 x 686.6) x 1
	Corrosion Protection	-	PCM	PCM
	Fin Type	-	Slit	Slit
	Air Flow Rate	m³/min x No.	30 x 1	30 x 1
Outdoor Fan	Fan Type	-	Propeller, Fan	Propeller, Fan
	Motor Type	-	BLDC	BLDC
	Motor Output	W	43	43
	Motor Speed (Min ~ Max)	rpm	220 ~ 750	220 ~ 750
	Motor Insulation	-	Class E	Class E
	Motor Enclosure / Ingress Protection	-	TEAO / IPX4	TEAO / IPX4
	Cooling, Rated	dB(A)	50	50
	Net (W x H x D)	mm	770 x 545 x 288	770 x 545 x 288
Outdoor Dimensions	Shipping (W x H x D)	mm	920 x 588 x 393	920 x 588 x 393
	Net	kg	31.2	31.2
Outdoor Weight	Shipping	kg	33.4	33.4
Max. Fuse Size	-	A	15	15
Outdoor Exterior Color Code	-	-	Munsell 9.54Y 8.34/1.31 (RAL 9001)	Munsell 9.54Y 8.34/1.31 (RAL 9001)
Outdoor Operation Range	Cooling	°C DB	18 ~ 48	18 ~ 48
	-	A	15	15
Power Supply	Cable	No. x mm²	3 x 1	3 x 1
	Unit	-	Indoor	Indoor
Connecting Cable	-	No. x mm²	4 x 1	4 x 1
	Liquid	mm	Ø 6.35	Ø 6.35
Pipe Connecting Socket	Gas	mm	Ø 9.52	Ø 9.52
	-	-	Flared / Flared	Flared / Flared
Connection Type	Indoor / Outdoor	-	Flared / Flared	Flared / Flared
Drain Hose Size	O.D, I.D	mm	20, 15	20, 15
Connecting Piping Length	Min / Standard / Max	m	3 / 7.5 / 15	3 / 7.5 / 15
	No Charge	m	7.5	7.5
Max. Elevation Difference	-	m	15	15
Piping Connection Heat Insulation	-	-	Both Liquid and Gas Pipes	Both Liquid and Gas Pipes
	Type	-	R32	R32
Refrigerant	Pre Charge	g	820	820
	Additional Charge	g/m	15	15
	Control	-	Electronic Expansion Valve	Electronic Expansion Valve
	Global Warming Potential	-	675	675
Compressor	t-CO₂ eq	-	0.554	0.554
	Type	-	Rortary	Rortary
	Model	-	KTN130D53UFZ3	KTN130D53UFZ3
	Motor Type	-	BLDC	BLDC
	Oil Type / Maker	-	Ester VG74 / -	Ester VG74 / -
	Oil Charge	cc	360	360
	O.L.P. Name	-	-	-
	Manufacturer / Country of Origin	-	GMCC / China	GMCC / China
Heat Exchanger (Outdoor)	Material, Tube / Fin	-	Cu / Al	Cu / Al
	-	(Ø x Row x Column x FPI x L) x Qty.	(Ø 5 x 3 x 25 x 21 x 823) x 1	(Ø 5 x 3 x 25 x 21 x 823) x 1
	Corrosion Protection	-	Gold	Gold
	Fin Type	-	Slit	Slit

Specification

OUTDOOR UNIT

MULTI SPLIT

Z2UQ18GFA1 / Z3UQ28GFA1 / Z4UQ34GFA1



Category		Unit	Z2UQ18GFA1	Z3UQ28GFA1	Z4UQ34GFA1
Major	Minor				
Classification	Chassis	-	U18A	U24A	U24A
Power Supply	#1	-	220 - 240, 1, 50	220 - 240, 1, 50	220 - 240, 1, 50
	Limit Range of Voltage (#1)	V	198 ~ 264	198 ~ 264	198 ~ 264
Testing Combination	-	Model x No.	S3NZ091L1DA x 2	S3NZ091L1DA x 3	S3NZ091L1DA x 4
Cooling Capacity	Rated	kW	4.54	6.80	7.80
		Btu/h	15,500	23,200	26,600
	Min ~ Max	kW	1.18 ~ 6.60	1.18 ~ 8.94	1.18 ~ 10.80
		Btu/h	4,000 ~ 22,500	4,000 ~ 30,500	4,000 ~ 36,900
Power Input (Cooling)	Rated	kW	0.91	1.39	1.56
	Min ~ Max	kW	0.25 ~ 2.12	0.23 ~ 2.32	0.31 ~ 2.97
Efficiency	EER	W/W	5.00	4.90	5.00
	WCOP	W/W	6.01	6.01	6.10
Running Current (Cooling)	Energy Label (Cooling)	-	5-tick	5-tick	5-tick
	Rated	A	4.1	6.3	7.1
Running Current	Min / Max	A	1.10 / 9.60	1.00 / 10.50	1.40 / 13.50
Running Current	Maximum Running Current	A	14.00	14.00	17.00
Outdoor Fan	Type	-	Propeller	Propeller	Propeller
	Air Flow Rate	m³/min x No.	35 x 1	50 x 1	50 x 1
Outdoor Fan Motor	Type	-	BLDC	BLDC	BLDC
	Output	W x No.	43 x 1	85 x 1	85 x 1
Compressor	Type	-	Twin Rotary	Twin Rotary	Twin Rotary
	Model x No.	-	KTN150D53 x 1	KTN150D53 x 1	KTM240D63 x 1
	Motor Type	-	BLDC	BLDC	BLDC
	Motor Output	W x No.	1,180 x 1	1,180 x 1	1,600 x 1
	Oil Type	-	POE VG74	POE VG74	POE VG74
Heat Exchanger	Oil Charging amount	cc x No.	420 x 1	420 x 1	670 x 1
	Rows x Columns x FPI	-	2 x 24 x 21	2 x 30 x 21	3 x 30 x 21
	No.	-	1	1	1
	Fin Type	-	Slit	Slit	Slit
	Material (Tube / Fin)	-	Cu / Al	Cu / Al	Cu / Al
Dimensions	Face Area	m²	0.41	0.51	0.51
	Net (W x H x D)	mm	770 x 545 x 288	870 x 650 x 330	870 x 650 x 330
	Shipping (W x H x D)	mm	920 x 588 x 388	1,046 x 713 x 461	1,046 x 713 x 461
Weight	Net	kg	33.5	43.0	48.0
	Shipping	kg	35.7	47.3	52.1
Exterior	Color	-	Warm Gray	Warm gray	Warm gray
	RAL (Classic)	-	RAL 7044	RAL 7044	RAL 7044
Protection Device	Frost Prevention	-	Thermistor	Thermistor	Thermistor
	Discharge Tempreature Control	-	Thermistor	Thermistor	Thermistor
	Inverter Protection	-	Thermistor	Thermistor	Thermistor
	Type	-	R32	R32	R32
Refrigerant	Precharged Amount	kg	0.900	1.200	1.300
	Additional Charging amount (Branch)	g/m	20	20	20
	GWP (Global Warming Potential)	-	675	675	675
	t-CO₂ eq.	-	0.608	0.810	0.878
	Chargeless-Pipe Length (Main)	m	30	30	40
	Control Type	-	EEV	EEV	EEV
Pipe Connecting Socket	Liquid	mm (inch) x No.	Ø 6.35 (1/4) x 2	Ø 6.35 (1/4) x 3	Ø 6.35 (1/4) x 4
	Gas	mm (inch) x No.	Ø 9.52 (3/8) x 2	Ø 9.52 (3/8) x 3	Ø 9.52 (3/8) x 4
	Connection Type (Liquid)	-	Flare	Flare	Flare
	Connection Type (Gas)	-	Flare	Flare	Flare
Piping Length	Total Piping (Max)	m	30	60	70
	Each Branch (Rated / Max / Min)	m	7.5 / 25 / -	7.5 / 25 / -	7.5 / 25 / -
Maximum Height Difference	IDU - ODU (Max)	m	15	15	15
	IDU - IDU (Max)	m	7.5	7.5	7.5
Sound Pressure Level (Outdoor Unit)	Cooling (@ 1.5 m height)	dB(A)	47.0	49.0	49.0
Measurement Standard (Pressure Level)	-	-	ISO 3745	ISO 3745	ISO 3745
Connecting Cable	Power Supply Cable (H07RN-F) (to ODU)	mm² x cores	2.5 x 3C	2.5 x 3C	2.5 x 3C
Electrical Characteristic	Minimum Circuit Amperes (MCA)	A	11.9	12.2	16.9
	Maximum Fuse Amperes (MFA)	A	15	15	20
	Comp_Rated Load Amperes (Max)	A	9.0	9.0	13.5
	Outdoor Fan Motor_Full Load Amperes	A	0.25	0.33	0.33
Combination Limit	Number of Indoor Units	EA	2	3	4
Allowable Total Indoor Unit Connected Capacity	Min ~ Max	kBtu/h	9 ~ 30	9 ~ 45	9 ~ 54
Allowable Max. Capacity for individual Indoor unit	Max	kBtu/h	18	24	24

MULTI SPLIT

ARTCOOL MIRROR



ZMNQ09GDJR0 / ZMNQ12GDJR0 / ZMNQ18GDJR0

Category		Unit	ZMNQ09GDJR0	ZMNQ12GDJR0	ZMNQ18GDJR0
Major	Minor				
Classification	Chassis	-	SJ (Artcool)	SJ (Artcool)	SK (Artcool)
Cooling Capacity	Rated	kW	2.6	3.5	5.0
		Btu/h	9,000	12,000	17,100
Power Supply	#1	-	220 - 240, 1, 50	220 - 240, 1, 50	220 - 240, 1, 50
	Limit Range of Voltage (#1)	V	198 ~ 264	198 ~ 264	198 ~ 264
Power Input (Indoor)	H / M / L	W	30 / 18 / 11	30 / 19 / 11	40 / 25 / 12
Running Current	Maximum Running Current	A	0.2	0.2	0.3
Running Current (Indoor)	H / M / L	A	0.20 / 0.16 / 0.10	0.20 / 0.17 / 0.10	0.30 / 0.20 / 0.10
Indoor Fan	Type	-	Cross Flow Fan	Cross Flow Fan	Cross Flow Fan
	Air Flow Rate (Cooling (SH) / H / M / L)	m³/min	- / 9.2 / 7.4 / 5.6	- / 9.6 / 8.1 / 5.6	- / 11.0 / 8.9 / 6.1
Indoor Fan Motor	Type	-	BLDC	BLDC	BLDC
	Drive	-	Internal	Internal	Internal
	Output	W	30	30	30
		No.	1	1	1
Heat Exchanger	Rows x Columns x FPI	-	2 x 15 x 19	2 x 15 x 19	2 x 15 x 19
	No.	-	1	1	1
	Face Area	m²	0.19	0.19	0.19
Dimensions	Net (W x H x D)	mm	837 x 308 x 192	837 x 308 x 192	837 x 308 x 192
	Shipping (W x H x D)	mm	909 x 383 x 256	909 x 383 x 256	909 x 383 x 256
Weight	Net	kg	9.5	9.5	9.5
	Shipping	kg	10.7	10.7	10.7
Exterior	Color	-	Munsell 7.5PB 0.2/20	Munsell 7.5PB 0.2/20	Munsell 7.5PB 0.2/20
	RAL (Classic)	-	RAL 9005	RAL 9005	RAL 9005
Protection Device	Fuse	-	O	O	O
	Overload Protector for Fan Motor	-	O	O	O
Refrigerant	Type	-	R32	R32	R32
Drain Pipe (Natural Drainage)	O.D / I.D	mm (inch)	Ø 21.5 (27/32) / 16 (5/8)	Ø 21.5 (27/32) / 16 (5/8)	Ø 21.5 (27/32) / 16 (5/8)
Piping Connection	Liquid	mm (inch)	Ø 6.35 (1/4)	Ø 6.35 (1/4)	Ø 6.35 (1/4)
	Gas	mm (inch)	Ø 9.52 (3/8)	Ø 9.52 (3/8)	Ø 9.52 (3/8)
Pipe Connecting Socket	Liquid (Indoor Unit)	mm (inch)	Ø 6.35 (1/4)	Ø 6.35 (1/4)	Ø 6.35 (1/4)
	Gas (Indoor Unit)	mm (inch)	Ø 9.52 (3/8)	Ø 9.52 (3/8)	Ø 9.52 (3/8)
	Connection Type (Liquid)	-	Flare	Flare	Flare
	Connection Type (Gas)	-	Flare	Flare	Flare
Sound Pressure Level (Indoor Unit)	Cooling ((SH) / H / M / L)	dB(A)	- / 36 / 33 / 27	- / 40 / 35 / 27	- / 44 / 37 / 29
Measurement Standard (Pressure Level)		-	ISO 3745	ISO 3745	ISO 3745
Connecting Cable	Power and Communication Cable (H07RN-F)	mm² x cores	0.75 x 4C	0.75 x 4C	0.75 x 4C
Power Supply Type to Indoor	-	-	Supplied from ODU	Supplied from ODU	Supplied from ODU
Electrical Characteristic	Indoor Fan Motor_Full Load Amperes (FLA)	A	0.2	0.2	0.3

MULTI SPLIT

ARTCOOL MIRROR



ZMNQ20GDKR0 / ZMNQ24GDKR0

Category		Unit	ZMNQ20GDKR0	ZMNQ24GDKR0
Major	Minor			
Classification	Chassis	-	SK (Artcool)	SK (Artcool)
Cooling Capacity	Rated	kW	6.0	7.0
		Btu/h	20,500	24,000
Power Supply	#1	-	220 - 240, 1, 50	220 - 240, 1, 50
	Limit Range of Voltage (#1)	V	198 ~ 264	198 ~ 264
Power Input (Indoor)	H / M / L	W	60 / 40 / 24	60 / 45 / 27
Running Current	Maximum Running Current	A	0.4	0.4
Running Current (Indoor)	H / M / L	A	0.40 / 0.28 / 0.20	0.40 / 0.33 / 0.24
Indoor Fan	Type	-	Cross Flow Fan	Cross Flow Fan
	Air Flow Rate (Cooling (SH) / H / M / L)	m³/min	- / 16.0 / 12.4 / 10.0	- / 16.9 / 12.8 / 10.4
Indoor Fan Motor	Type	-	BLDC	BLDC
	Drive	-	Internal	Internal
	Output	W	30	60
		No.	1	1
Heat Exchanger	Rows x Columns x FPI	-	2 x 16 x 18	2 x 16 x 18
	No.	-	1	1
	Face Area	m²	0.24	0.24
Dimensions	Net (W x H x D)	mm	998 x 345 x 212	998 x 345 x 212
	Shipping (W x H x D)	mm	1,063 x 420 x 274	1,063 x 420 x 274
Weight	Net	kg	12.3	13.0
	Shipping	kg	13.7	14.4
Exterior	Color	-	Munsell 7.5PB 0.2/20	Munsell 7.5PB 0.2/20
	RAL (Classic)	-	RAL 9005	RAL 9005
Protection Device	Fuse	-	O	O
	Overload Protector for Fan Motor	-	O	O
Refrigerant	Type	-	R32	R32
Drain Pipe (Natural Drainage)	O.D / I.D	mm (inch)	Ø 21.5 (27/32) / 16 (5/8)	Ø 21.5 (27/32) / 16 (5/8)
Piping Connection	Liquid	mm (inch)	Ø 6.35 (1/4)	Ø 6.35 (1/4)
	Gas	mm (inch)	Ø 12.7 (1/2)	Ø 12.7 (1/2)
Pipe Connecting Socket	Liquid (Indoor Unit)	mm (inch)	Ø 6.35 (1/4)	Ø 6.35 (1/4)
	Gas (Indoor Unit)	mm (inch)	Ø 12.7 (1/2)	Ø 12.7 (1/2)
	Connection Type (Liquid)	-	Flare	Flare
	Connection Type (Gas)	-	Flare	Flare
Sound Pressure Level (Indoor Unit)	Cooling ((SH) / H / M / L)	dB(A)	- / 45 / 38 / 34	- / 46 / 41 / 36
Measurement Standard (Pressure Level)		-	ISO 3745	ISO 3745
Connecting Cable	Power and Communication Cable (H07RN-F)	mm² x cores	0.75 x 4C	0.75 x 4C
Power Supply Type to Indoor	-	-	Supplied from ODU	Supplied from ODU
Electrical Characteristic	Indoor Fan Motor_Full Load Amperes (FLA)	A	0.4	0.4

MULTI SPLIT

DUALCOOL™ AI Air

Ionizer

Wi-Fi



S3NZ091L1DA / S3NZ121L1DA

Category		Unit	S3NZ091L1DA	S3NZ121L1DA
Major	Minor			
Classification	Chassis	-	S1 (AI air)	S1 (AI air)
Cooling Capacity	Rated	kW	2.6	3.5
		Btu/h	9,000	12,000
Power Supply	#1	-	220 - 240, 1, 50	220 - 240, 1, 50
	Limit Range of Voltage (#1)	V	198 ~ 264	198 ~ 264
Power Input (Indoor)	H / M / L	W	20 / 18 / 16	25 / 20 / 16
Running Current	Maximum Running Current	A	0.15	0.20
Running Current (Indoor)	H / M / L	A	0.15 / 0.12 / 0.10	0.20 / 0.14 / 0.10
Indoor Fan	Type	-	Cross Flow Fan	Cross Flow Fan
	Air Flow Rate (Cooling (SH))/H/M/L	m³/min	- / 9.5 / 7.6 / 5.7	- / 10.5 / 8.1 / 5.7
Indoor Fan Motor	Type	-	BLDC	BLDC
	Drive	-	Internal	Internal
	Output	W	30	30
		No.	1	1
Heat Exchanger	Rows x Columns x FPI	-	2 x 16 x 21	2 x 16 x 21
	No.	-	1	1
	Face Area	m²	0.23	0.23
Dimensions	Net (W x H x D)	mm	895 x 307 x 235	895 x 307 x 235
	Shipping (W x H x D)	mm	967 x 383 x 296	967 x 383 x 296
Weight	Net	kg	10.6	10.6
	Shipping	kg	12.5	12.5
Exterior	Color	-	Munsell 7.5P 9/2	Munsell 7.5P 9/2
	RAL (Classic)	-	RAL 9003	RAL 9003
Protection Device	Fuse	-	O	O
	Overload Protector for Fan Motor	-	O	O
Refrigerant	Type	-	R32	R32
Drain Pipe (Natural Drainage)	O.D / I.D	mm (inch)	Ø 21.5 (27/32) / 16 (5/8)	Ø 21.5 (27/32) / 16 (5/8)
Piping Connection	Liquid	mm (inch)	Ø 6.35 (1/4)	Ø 6.35 (1/4)
	Gas	mm (inch)	Ø 9.52 (3/8)	Ø 9.52 (3/8)
Pipe Connecting Socket	Liquid (Indoor Unit)	mm (inch)	Ø 6.35 (1/4)	Ø 6.35 (1/4)
	Gas (Indoor Unit)	mm (inch)	Ø 9.52 (3/8)	Ø 9.52 (3/8)
	Connection Type (Liquid)	-	Flare	Flare
	Connection Type (Gas)	-	Flare	Flare
Sound Pressure Level (Indoor Unit)	Cooling ((SH) / H / M / L)	dB(A)	- / 36 / 33 / 30	- / 40 / 35 / 30
Measurement Standard (Pressure Level)		-	ISO 3745	ISO 3745
Connecting Cable	Power and Communication Cable (H07RN-F)	mm² x cores	1 x 4C	1 x 4C
Power Supply Type to Indoor	-	-	Supplied from ODU	Supplied from ODU
Electrical Characteristic	Indoor Fan Motor_Full Load Amperes (FLA)	A	0.15	0.20

MULTI SPLIT

DUALCOOL™ AI Air

Ionizer

Wi-Fi



ZMNQ18GS1L0 / ZMNQ20GS1L0 / ZMNQ24GS1L0

Category		Unit	ZMNQ18GS1L0	ZMNQ20GS1L0	ZMNQ24GS1L0
Major	Minor				
Classification	Chassis	-	S1 (AI air)	S1 (AI air)	S1 (AI air)
Cooling Capacity	Rated	kW	5.0	6.0	6.45
		Btu/h	17,100	20,500	22,000
Power Supply	#1	-	220 - 240, 1, 50	220 - 240, 1, 50	220 - 240, 1, 50
	Limit Range of Voltage (#1)	V	198 ~ 264	198 ~ 264	198 ~ 264
Power Input (Indoor)	H / M / L	W	35 / 20 / 18	40 / 25 / 20	50 / 35 / 20
Running Current	Maximum Running Current	A	0.24	0.30	0.40
Running Current (Indoor)	H / M / L	A	0.24 / 0.15 / 0.12	0.30 / 0.20 / 0.15	0.40 / 0.30 / 0.15
Indoor Fan	Type	-	Cross Flow Fan	Cross Flow Fan	Cross Flow Fan
	Air Flow Rate (Cooling (SH))/H/M/L	m³/min	- / 13.0 / 9.4 / 7.1	- / 14.0 / 12.0 / 10.5	- / 15.0 / 13.0 / 10.5
Indoor Fan Motor	Type	-	BLDC	BLDC	BLDC
	Drive	-	Internal	Internal	Internal
	Output	W	30	30	30
		No.	1	1	1
Heat Exchanger	Rows x Columns x FPI	-	2 x 16 x 21	2 x 16 x 21	2 x 16 x 21
	No.	-	1	1	1
	Face Area	m²	0.23	0.23	0.23
Dimensions	Net (W x H x D)	mm	895 x 307 x 235	895 x 307 x 235	895 x 307 x 235
	Shipping (W x H x D)	mm	967 x 383 x 296	967 x 383 x 296	967 x 383 x 296
Weight	Net	kg	10.6	10.8	10.8
	Shipping	kg	12.5	12.7	12.7
Exterior	Color	-	Munsell 7.5P 9/2	Munsell 7.5P 9/2	Munsell 7.5P 9/2
	RAL (Classic)	-	RAL 9003	RAL 9003	RAL 9003
Protection Device	Fuse	-	O	O	O
	Overload Protector for Fan Motor	-	O	O	O
Refrigerant	Type	-	R32	R32	R32
Drain Pipe (Natural Drainage)	O.D / I.D	mm (inch)	Ø 21.5 (27/32) / 16 (5/8)	Ø 21.5 (27/32) / 16 (5/8)	Ø 21.5 (27/32) / 16 (5/8)
Piping Connection	Liquid	mm (inch)	Ø 6.35 (1/4)	Ø 6.35 (1/4)	Ø 6.35 (1/4)
	Gas	mm (inch)	Ø 9.52 (3/8)	Ø 12.7 (1/2)	Ø 12.7 (1/2)
Pipe Connecting Socket	Liquid (Indoor Unit)	mm (inch)	Ø 6.35 (1/4)	Ø 6.35 (1/4)	Ø 6.35 (1/4)
	Gas (Indoor Unit)	mm (inch)	Ø 9.52 (3/8)	Ø 12.7 (1/2)	Ø 12.7 (1/2)
	Connection Type (Liquid)	-	Flare	Flare	Flare
	Connection Type (Gas)	-	Flare	Flare	Flare
Sound Pressure Level (Indoor Unit)	Cooling ((SH) / H / M / L)	dB(A)	- / 42 / 38 / 33	- / 45 / 40 / 34	- / 47 / 42 / 34
Measurement Standard (Pressure Level)		-	ISO 3745	ISO 3745	ISO 3745
Connecting Cable	Power and Communication Cable (H07RN-F)	mm² x cores	0.75 x 4C	0.75 x 4C	0.75 x 4C
Power Supply Type to Indoor	-	-	Supplied from ODU	Supplied from ODU	Supplied from ODU
Electrical Characteristic	Indoor Fan Motor_Full Load Amperes (FLA)	A	0.24	0.30	0.40

MULTI SPLIT

ALPHA +

ZMNQ09GSJB0 / ZMNQ12GSJB0 / ZMNQ18GSJB0



Category		Unit	ZMNQ09GSJB0	ZMNQ12GSJB0	ZMNQ18GSJB0
Major	Minor				
Classification	Chassis	-	SJ (R,Semi-R,E)	SJ (R,Semi-R,E)	SJ (R,Semi-R,E)
Cooling Capacity	Rated	kW	2.6	3.5	5.0
		Btu/h	9,000	12,000	17,100
Power Supply	#1	-	220 - 240, 1, 50	220 - 240, 1, 50	220 - 240, 1, 50
	Limit Range of Voltage (#1)	V	198 ~ 264	198 ~ 264	198 ~ 264
Power Input (Indoor)	H / M / L	W	30 / 18 / 11	30 / 19 / 11	40 / 25 / 12
Running Current	Maximum Running Current	A	0.2	0.2	0.3
Running Current (Indoor)	H / M / L	A	0.20 / 0.16 / 0.10	0.20 / 0.17 / 0.10	0.30 / 0.20 / 0.10
Indoor Fan	Type	-	Cross Flow Fan	Cross Flow Fan	Cross Flow Fan
	Air Flow Rate (Cooling (SH) / H / M / L)	m³/min	- / 9.2 / 7.4 / 5.6	- / 9.6 / 8.1 / 5.6	- / 11.0 / 8.9 / 6.1
Indoor Fan Motor	Type	-	BLDC	BLDC	BLDC
	Drive	-	Internal	Internal	Internal
	Output	W	30	30	30
		No.	1	1	1
Heat Exchanger	Rows x Columns x FPI	-	2 x 15 x 19	2 x 15 x 19	2 x 15 x 19
	No.	-	1	1	1
	Face Area	m²	0.19	0.19	0.19
Dimensions	Net (W x H x D)	mm	837 x 308 x 189	837 x 308 x 189	837 x 308 x 189
	Shipping (W x H x D)	mm	892 x 381 x 249	892 x 381 x 249	892 x 381 x 249
Weight	Net	kg	8.3	8.3	8.3
	Shipping	kg	9.4	9.4	9.4
Exterior	Color	-	Munsell 7.5BG 10/2	Munsell 7.5BG 10/2	Munsell 7.5BG 10/2
	RAL (Classic)	-	RAL 9016	RAL 9016	RAL 9016
Protection Device	Fuse	-	O	O	O
	Overload Protector for Fan Motor	-	O	O	O
Refrigerant	Type	-	R32	R32	R32
Drain Pipe (Natural Drainage)	O.D / I.D	mm (inch)	Ø 21.5 (27/32) / 16 (5/8)	Ø 21.5 (27/32) / 16 (5/8)	Ø 21.5 (27/32) / 16 (5/8)
Piping Connection	Liquid	mm (inch)	Ø 6.35 (1/4)	Ø 6.35 (1/4)	Ø 6.35 (1/4)
	Gas	mm (inch)	Ø 9.52 (3/8)	Ø 9.52 (3/8)	Ø 9.52 (3/8)
Pipe Connecting Socket	Liquid (Indoor Unit)	mm (inch)	Ø 6.35 (1/4)	Ø 6.35 (1/4)	Ø 6.35 (1/4)
	Gas (Indoor Unit)	mm (inch)	Ø 9.52 (3/8)	Ø 9.52 (3/8)	Ø 9.52 (3/8)
	Connection Type (Liquid)	-	Flare	Flare	Flare
	Connection Type (Gas)	-	Flare	Flare	Flare
Sound Pressure Level (Indoor Unit)	Cooling ((SH) / H / M / L)	dB(A)	- / 36 / 33 / 27	- / 40 / 35 / 27	- / 44 / 37 / 29
Measurement Standard (Pressure Level)		-	ISO 3745	ISO 3745	ISO 3745
Connecting Cable	Power and Communication Cable (H07RN-F)	mm² x cores	0.75 x 4C	0.75 x 4C	0.75 x 4C
Power Supply Type to Indoor	-	-	Supplied from ODU	Supplied from ODU	Supplied from ODU
Electrical Characteristic	Indoor Fan Motor_Full Load Amperes (FLA)	A	0.2	0.2	0.3

MULTI SPLIT

ALPHA +

ZMNQ20GSKB0 / ZMNQ24GSKB0



Category		Unit	ZMNQ20GSKB0	ZMNQ24GSKB0
Major	Minor			
Classification	Chassis	-	SJ (R,Semi-R,E)	SJ (R,Semi-R,E)
Cooling Capacity	Rated	kW	6.0	7.0
		Btu/h	20,500	24,000
Power Supply	#1	-	220 - 240, 1, 50	220 - 240, 1, 50
	Limit Range of Voltage (#1)	V	198 ~ 264	198 ~ 264
Power Input (Indoor)	H / M / L	W	60 / 40 / 24	60 / 45 / 27
Running Current	Maximum Running Current	A	0.4	0.4
Running Current (Indoor)	H / M / L	A	0.40 / 0.28 / 0.20	0.40 / 0.33 / 0.24
Indoor Fan	Type	-	Cross Flow Fan	Cross Flow Fan
	Air Flow Rate (Cooling (SH) / H / M / L)	m³/min	- / 16.0 / 12.4 / 10.0	- / 16.9 / 12.8 / 10.4
Indoor Fan Motor	Type	-	BLDC	BLDC
	Drive	-	Internal	Internal
	Output	W	30	60
		No.	1	1
Heat Exchanger	Rows x Columns x FPI	-	2 x 16 x 18	2 x 16 x 18
	No.	-	1	1
	Face Area	m²	0.24	0.24
Dimensions	Net (W x H x D)	mm	998 x 345 x 210	998 x 345 x 210
	Shipping (W x H x D)	mm	1,063 x 420 x 274	1,063 x 420 x 274
Weight	Net	kg	10.9	11.6
	Shipping	kg	12.5	13.2
Exterior	Color	-	Munsell 7.5BG 10/2	Munsell 7.5BG 10/2
	RAL (Classic)	-	RAL 9016	RAL 9016
Protection Device	Fuse	-	O	O
	Overload Protector for Fan Motor	-	O	O
Refrigerant	Type	-	R32	R32
Drain Pipe (Natural Drainage)	O.D / I.D	mm (inch)	Ø 21.5 (27/32) / 16 (5/8)	Ø 21.5 (27/32) / 16 (5/8)
Piping Connection	Liquid	mm (inch)	Ø 6.35 (1/4)	Ø 6.35 (1/4)
	Gas	mm (inch)	Ø 12.7 (1/2)	Ø 12.7 (1/2)
Pipe Connecting Socket	Liquid (Indoor Unit)	mm (inch)	Ø 6.35 (1/4)	Ø 6.35 (1/4)
	Gas (Indoor Unit)	mm (inch)	Ø 12.7 (1/2)	Ø 12.7 (1/2)
	Connection Type (Liquid)	-	Flare	Flare
	Connection Type (Gas)	-	Flare	Flare
Sound Pressure Level (Indoor Unit)	Cooling ((SH) / H / M / L)	dB(A)	- / 45 / 38 / 34	- / 46 / 41 / 36
Measurement Standard (Pressure Level)		-	ISO 3745	ISO 3745
Connecting Cable	Power and Communication Cable (H07RN-F)	mm² x cores	0.75 x 4C	0.75 x 4C
Power Supply Type to Indoor	-	-	Supplied from ODU	Supplied from ODU
Electrical Characteristic	Indoor Fan Motor_Full Load Amperes (FLA)	A	0.4	0.4

Specification

INDOOR UNIT

MULTI SPLIT
4WAY CASSETTE

AMNQ12GTRA1 / AMNQ18GTQA1 / AMNQ24GTPB0



Category		Unit	AMNQ12GTRA1	AMNQ18GTQA1	AMNQ24GTPB0
Major	Minor				
Classification	Chassis	-	TR	TQ	TP-B
Cooling Capacity	Rated	kW	3.5	5.3	7.0
		Btu/h	12,000	18,000	24,000
Power Supply	#1	-	220 - 230 - 240, 1, 50/60	220 - 230 - 240, 1, 50/60	220 - 230 - 240, 1, 50/60
	Limit Range of Voltage (#1)	V	198 ~ 264	198 ~ 264	198 ~ 264
Power Input (Indoor)	H / M / L	W	28 / 24 / 20	30 / 26 / 22	36 / 26 / 21
Running Current	Maximum Running Current	A	0.4	0.4	0.6
Running Current (Indoor)	H / M / L	A	0.32 / 0.30 / 0.28	0.33 / 0.31 / 0.29	0.50 / 0.46 / 0.44
Indoor Fan	Type	-	Turbo Fan	Turbo Fan	3D Turbo Fan
	Air Flow Rate (Cooling (SH)/H/M/L)	m³/min	- / 9.5 / 8.0 / 7.0	- / 13.0 / 12.0 / 11.0	- / 17.0 / 15.0 / 13.0
Indoor Fan Motor	Type	-	BLDC	BLDC	BLDC
	Drive	-	Internal	Internal	Internal
	Output	W	43	43	50.25
		No.	1	1	1
Heat Exchanger	Rows x Columns x FPI	-	2 x 8 x 18	2 x 10 x 18	3 x 8 x 21
	No.	-	1	1	1
	Face Area	m²	0.22	0.28	0.33
Dimensions	Net (W x H x D)	mm	570 x 214 x 570	570 x 256 x 570	840 x 204 x 840
	Shipping (W x H x D)	mm	667 x 285 x 646	667 x 327 x 646	922 x 276 x 917
Weight	Net	kg	12.4	13.9	21.1
	Shipping	kg	15.6	16.9	26.5
Exterior	Color	-	Steel Gray	Steel Gray	Steel Gray
Protection Device	Fuse	-	O	O	O
	Overload Protector for Fan Motor	-	O	O	O
Refrigerant	Type	-	R410A / R32	R410A / R32	R410A / R32
Drain Pipe (Natural Drainage)	O.D / I.D	mm (inch)	Ø 32 (1-1/4) / 25 (31/32)	Ø 32 (1-1/4) / 25 (31/32)	Ø 32 (1-1/4) / 25 (31/32)
Piping Connection	Liquid	mm (inch)	Ø 6.35 (1/4)	Ø 6.35 (1/4)	Ø 9.52 (3/8)
	Gas	mm (inch)	Ø 9.52 (3/8)	Ø 12.7 (1/2)	Ø 15.88 (5/8)
Pipe Connecting Socket	Liquid (Indoor Unit)	mm (inch)	Ø 6.35 (1/4)	Ø 6.35 (1/4)	Ø 6.35 (1/4)
	Gas (Indoor Unit)	mm (inch)	Ø 9.52 (3/8)	Ø 12.7 (1/2)	Ø 12.7 (1/2)
	Connection Type (Liquid)	-	Flare	Flare	Flare
	Connection Type (Gas)	-	Flare	Flare	Flare
Sound Pressure Level (Indoor Unit)	Cooling ((SH) / H / M / L)	dB(A)	- / 38 / 35 / 32	- / 41 / 39 / 37	- / 38 / 36 / 34
Measurement Standard (Pressure Level)		-	ISO 3745	ISO 3745	ISO 3745
Connecting Cable	Power and Communication Cable (H07RN-F)	mm² x cores	0.75 x 4C	0.75 x 4C	0.75 x 4C
Power Supply Type to Indoor	-	-	Supplied from ODU	Supplied from ODU	Supplied from ODU
Electrical Characteristic	Indoor Fan Motor_Full Load Amperes (FLA)	A	0.4	0.4	0.6

Combination Table (MULTI SPLIT)

Z2UQ18GFA1 Cooling_Combination of 8.5 Ampere Limited

Operation	Combination (kW)			Each Capacity (kW)		Total Capacity (kW)			Total Input (W)			Total Current (A)		
	Unit-A	Unit-B	Total	Unit-A	Unit-B	Min	Rated	Max	Min	Rated	Max	Min	Rated	Max
1	2.6	-	2.6	2.6	-	1,180	2,638	3,561	250	580	860	1.1	2.6	3.9
	3.5	-	3.5	3.5	-	1,180	3,517	4,220	250	810	1,240	1.1	3.7	5.6
	5.3	-	5.3	4.5	-	1,475	4,540	5,012	330	1,230	1,760	1.5	5.6	8.0
2	2.6	2.6	5.3	2.3	2.3	1,816	4,540	6,010	380	908	2,120	1.7	4.1	8.5
	2.6	3.5	6.2	1.9	2.6	1,816	4,540	6,010	380	908	2,120	1.7	4.1	8.5
	3.5	3.5	7.0	2.3	2.3	1,816	4,540	6,010	380	908	2,120	1.7	4.1	8.5
	2.6	5.3	7.9	1.5	3.0	1,816	4,540	6,164	380	908	2,120	1.7	4.1	8.5
	3.5	5.3	8.8	1.8	2.7	1,816	4,540	6,164	380	908	2,120	1.7	4.1	8.5

Z2UQ18GFA1 Cooling_Combination of 11 Ampere Limited / Full Load Ampere

Operation	Combination (kW)			Each Capacity (kW)		Total Capacity (kW)			Total Input (W)			Total Current (A)		
	Unit-A	Unit-B	Total	Unit-A	Unit-B	Min	Rated	Max	Min	Rated	Max	Min	Rated	Max
1	2.6	-	2.6	2.6	-	1,180	2,638	3,561	250	580	860	1.1	2.6	3.9
	3.5	-	3.5	3.5	-	1,180	3,517	4,220	250	810	1,240	1.1	3.7	5.6
	5.3	-	5.3	4.5	-	1,475	4,540	5,012	330	1,230	1,760	1.5	5.6	8.0
2	2.6	2.6	5.3	2.3	2.3	1,816	4,540	6,435	380	908	2,120	1.7	4.1	9.6
	2.6	3.5	6.2	1.9	2.6	1,816	4,540	6,435	380	908	2,120	1.7	4.1	9.6
	3.5	3.5	7.0	2.3	2.3	1,816	4,540	6,435	380	908	2,120	1.7	4.1	9.6
	2.6	5.3	7.9	1.5	3.0	1,816	4,540	6,600	380	908	2,120	1.7	4.1	9.6
	3.5	5.3	8.8	1.8	2.7	1,816	4,540	6,600	380	908	2,120	1.7	4.1	9.6

Note
Capacities are based on the following conditions :
- Cooling : Indoor Ambient Temp. 27°CDB / 19°CWB, Outdoor Ambient Temp. 35°CDB / 24°CWB
- Interconnected piping is standard length and difference of Elevation (Outdoor ~ Indoor Unit) is 0 m.
At least two indoor units should be connected. And minimum limit of combination ratio is 40% approximately for rated capacity of outdoor unit.
Don't exceed the maximum connectable indoor units number, it can be found in Specifications or combination table of outdoor unit model.

Combination Table (MULTI SPLIT)

Z3UQ28GFA1 Cooling_Combination of 8.5 Ampere Limited

Operation	Combination (kW)				Each Capacity (kW)			Total Capacity (kW)			Total Input (W)			Total Current (A)		
	Unit-A	Unit-B	Unit-C	Total	Unit-A	Unit-B	Unit-C	Min	Rated	Max	Min	Rated	Max	Min	Rated	Max
1	2.6	-	-	2.6	2.6	-	-	1,180	2,638	3,561	230	560	840	1.0	2.5	3.8
	3.5	-	-	3.5	3.5	-	-	1,180	3,517	4,220	230	790	1,130	1.0	3.6	5.1
	5.3	-	-	5.3	5.0	-	-	1,475	5,012	5,513	310	1,300	1,710	1.4	5.9	7.7
	5.9	-	-	5.9	6.0	-	-	1,622	6,008	6,308	490	1,695	1,877	2.2	7.7	8.5
	7.0	-	-	7.0	6.4	-	-	1,921	6,404	6,660	580	1,820	1,877	2.6	8.2	8.5
2	2.6	2.6	-	5.3	2.6	2.6	-	2,110	5,275	6,858	510	1,310	1,770	2.3	5.9	8.0
	2.6	3.5	-	6.2	2.6	3.5	-	2,110	6,154	7,200	510	1,397	1,877	2.3	6.3	8.5
	2.6	5.3	-	7.9	2.3	4.5	-	2,216	6,800	7,200	550	1,570	1,877	2.5	7.1	8.5
	2.6	5.9	-	8.5	2.1	4.7	-	2,216	6,800	7,200	550	1,570	1,877	2.5	7.1	8.5
	2.6	7.0	-	9.7	1.9	4.9	-	2,216	6,800	7,200	550	1,570	1,877	2.5	7.1	8.5
	3.5	3.5	-	7.0	3.4	3.4	-	2,216	6,800	7,200	550	1,570	1,877	2.5	7.1	8.5
	3.5	5.3	-	8.8	2.7	4.1	-	2,216	6,800	7,200	550	1,570	1,877	2.5	7.1	8.5
	3.5	5.9	-	9.4	2.6	4.3	-	2,216	6,800	7,200	550	1,570	1,877	2.5	7.1	8.5
	3.5	7.0	-	10.6	2.3	4.5	-	2,216	6,800	7,200	550	1,570	1,877	2.5	5.6	8.5
	5.3	5.3	-	10.6	3.4	3.4	-	2,216	6,800	7,200	550	1,570	1,877	2.5	5.6	8.5
	5.3	5.9	-	11.1	3.2	3.6	-	2,216	6,800	7,200	550	1,570	1,877	2.5	5.6	8.5
	5.3	7.0	-	12.3	2.9	3.9	-	2,216	6,800	7,200	550	1,570	1,877	2.5	5.6	8.5
	5.9	5.9	-	11.7	3.4	3.4	-	2,216	6,800	7,200	550	1,570	1,877	2.5	5.6	8.5
	5.9	7.0	-	12.9	3.1	3.7	-	2,216	6,800	7,200	550	1,570	1,877	2.5	5.6	8.5
3	2.6	2.6	2.6	7.9	2.3	2.3	2.3	2,720	6,800	7,910	585	1,388	1,877	2.6	5.6	8.5
	2.6	2.6	3.5	8.8	2.0	2.0	2.7	2,720	6,800	7,910	585	1,388	1,877	2.6	5.6	8.5
	2.6	2.6	5.3	10.6	1.7	1.7	3.4	2,720	6,800	7,910	585	1,388	1,877	2.6	5.6	8.5
	2.6	2.6	5.9	11.1	1.6	1.6	3.6	2,720	6,800	7,910	585	1,388	1,877	2.6	5.6	8.5
	2.6	2.6	7.0	12.3	1.5	1.5	3.9	2,720	6,800	7,910	585	1,388	1,877	2.6	5.6	8.5
	2.6	3.5	3.5	9.7	1.9	2.5	2.5	2,720	6,800	7,910	585	1,388	1,877	2.6	5.6	8.5
	2.6	3.5	5.3	11.4	1.6	2.1	3.1	2,720	6,800	7,910	585	1,388	1,877	2.6	5.6	8.5
	2.6	3.5	5.9	12.0	1.5	2.0	3.3	2,720	6,800	7,910	585	1,388	1,877	2.6	5.6	8.5
	2.6	3.5	7.0	13.2	1.4	1.8	3.6	2,720	6,800	7,910	585	1,388	1,877	2.6	5.6	8.5
	3.5	3.5	3.5	10.6	2.3	2.3	2.3	2,720	6,800	7,910	585	1,388	1,877	2.6	5.6	8.5
	3.5	3.5	5.3	12.3	1.9	1.9	2.9	2,720	6,800	7,910	585	1,388	1,877	2.6	5.6	8.5
	3.5	3.5	5.9	12.9	1.9	1.9	3.1	2,720	6,800	7,910	585	1,388	1,877	2.6	5.6	8.5
	3.5	3.5	7.0	14.1	1.6	1.6	3.6	2,720	6,800	7,910	585	1,388	1,877	2.6	5.6	8.5

Z3UQ28GFA1 Cooling_Combination of 11 Ampere Limited / Full Load Ampere

Operation	Combination (kBtu/h)				Each Capacity (kBtu/h)			Total Capacity (Btu/h)			Total Input (W)			Total Current (A)		
	Unit-A	Unit-B	Unit-C	Total	Unit-A	Unit-B	Unit-C	Min	Rated	Max	Min	Rated	Max	Min	Rated	Max
1	2.6	-	-	2.6	2.6	-	-	1,180	2,638	3,561	230	560	840	1.0	2.5	3.8
	3.5	-	-	3.5	3.5	-	-	1,180	3,517	4,220	230	790	1,130	1.0	3.6	5.1
	5.3	-	-	5.3	5.0	-	-	1,475	5,012	5,513	310	1,300	1,710	1.4	5.9	7.7
	5.9	-	-	5.9	6.0	-	-	1,622	6,008	6,368	490	1,695	1,903	2.2	7.7	8.6
	7.0	-	-	7.0	6.4	-	-	1,921	6,404	6,916	580	1,820	2,290	2.6	8.2	10.4
2	2.6	2.6	-	5.3	2.6	2.6	-	2,110	5,275	6,858	510	1,310	1,770	2.3	5.9	8.0
	2.6	3.5	-	6.2	2.6	3.5	-	2,110	6,154	7,385	510	1,397	1,915	2.3	6.3	8.7
	2.6	5.3	-	7.9	2.3	4.5	-	2,216	6,800	7,820	550	1,570	2,205	2.5	7.1	10.0
	2.6	5.9	-	8.5	2.1	4.7	-	2,216	6,800	7,990	550	1,570	2,205	2.5	7.1	10.0
	2.6	7.0	-	9.7	1.9	4.9	-	2,216	6,800	7,990	550	1,570	2,205	2.5	7.1	10.0
	3.5	3.5	-	7.0	3.4	3.4	-	2,216	6,800	7,820	550	1,570	2,205	2.5	7.1	10.0
	3.5	5.3	-	8.8	2.7	4.1	-	2,216	6,800	7,990	550	1,570	2,205	2.5	7.1	10.0
	3.5	5.9	-	9.4	2.6	4.3	-	2,216	6,800	7,990	550	1,570	2,205	2.5	7.1	10.0
	3.5	7.0	-	10.6	2.3	4.5	-	2,216	6,800	7,990	550	1,570	2,205	2.5	7.1	10.0
	5.3	5.3	-	10.6	3.4	3.4	-	2,216	6,800	7,990	550	1,570	2,205	2.5	7.1	10.0
	5.3	5.9	-	11.1	3.2	3.6	-	2,216	6,800	7,990	550	1,570	2,205	2.5	7.1	10.0
	5.3	7.0	-	12.3	2.9	3.9	-	2,216	6,800	7,990	550	1,570	2,205	2.5	7.1	10.0
	5.9	5.9	-	11.7	3.4	3.4	-	2,216	6,800	7,990	550	1,570	2,205	2.5	7.1	10.0
	5.9	7.0	-	12.9	3.1	3.7	-	2,216	6,800	7,990	550	1,570	2,205	2.5	7.1	10.0
3	2.6	2.6	2.6	7.9	2.3	2.3	2.3	2,720	6,800	8,568	585	1,388	2,320	2.6	6.3	10.5
	2.6	2.6	3.5	8.8	2.0	2.0	2.7	2,720	6,800	8,568	585	1,388	2,320	2.6	6.3	10.5
	2.6	2.6	5.3	10.6	1.7	1.7	3.4	2,720	6,800	8,738	585	1,388	2,320	2.6	6.3	10.5
	2.6	2.6	5.9	11.1	1.6	1.6	3.6	2,720	6,800	8,940	585	1,388	2,320	2.6	6.3	10.5
	2.6	2.6	7.0	12.3	1.5	1.5	3.9	2,720	6,800	8,940	585	1,388	2,320	2.6	6.3	10.5
	2.6	3.5	3.5	9.7	1.9	2.5	2.5	2,720	6,800	8,940	585	1,388	2,320	2.6	6.3	10.5
	2.6	3.5	5.3	11.4	1.6	2.1	3.1	2,720	6,800	8,738	585	1,388	2,320	2.6	6.3	10.5
	2.6	3.5	5.9	12.0	1.5	2.0	3.3	2,720	6,800	8,940	585	1,388	2,320	2.6	6.3	10.5
	2.6	3.5	7.0	13.2	1.4	1.8	3.6	2,720	6,800	8,940	585	1,388	2,320	2.6	6.3	10.5
	3.5	3.5	3.5	10.6	2.3	2.3	2.3	2,720	6,800	8,568	585	1,388	2,320	2.6	6.3	10.5
	3.5	3.5	5.3	12.3	1.9	1.9	2.9	2,720	6,800	8,738	585	1,388	2,320	2.6	6.3	10.5
	3.5	3.5	5.9	12.9	1.9	1.9	3.1	2,720	6,800	8,940	585	1,388	2,320	2.6	6.3	10.5
	3.5	3.5	7.0	14.1	1.6	1.6	3.6	2,720	6,800	8,940	585	1,388	2,320	2.6	6.3	10.5

Note
Capacities are based on the following conditions :
- Cooling : Indoor Ambient Temp. 27°CDB / 19°CWB, Outdoor Ambient Temp. 35°CDB / 24°CWB
- Interconnected piping is standard length and difference of Elevation (Outdoor ~ Indoor Unit) is 0 m.
At least two indoor units should be connected. And minimum limit of combination ratio is 40% approximately for rated capacity of outdoor unit.
Don't exceed the maximum connectable indoor units number, it can be found in Specifications or combination table of outdoor unit model.

Z4UQ34GFA1 Cooling_Combination of 8.5 Ampere Limited

Operation	Combination (kW)					Each Capacity (kW)				Total Capacity (kW)			Total Input (W)			Total Current (A)		
	Unit-A	Unit-B	Unit-C	Unit-D	Total	Unit-A	Unit-B	Unit-C	Unit-D	Min	Rated	Max	Min	Rated	Max	Min	Rated	Max
1	2.6	-	-	-	2.6	2.6	-	-	-	1,180	2,638	3,561	310	580	880	1.4	2.6	4.0
	3.5	-	-	-	3.5	3.5	-	-	-	1,180	3,517	4,220	310	812	1,262	1.4	3.7	5.7
	5.3	-	-	-	5.3	5.0	-	-	-	1,475	5,012	5,387	350	1,206	1,877	1.6	5.5	8.5
	5.9	-	-	-	5.9	6.0	-	-	-	1,622	6,008	6,308	530	1,469	1,877	2.4	6.7	8.5
	7.0	-	-	-	7.0	7.0	-	-	-	2,110	7,034	7,210	610	1,740	1,877	2.8	7.9	8.5
2	2.6	2.6	-	-	5.3	2.6	2.6	-	-	2,216	5,275	6,858	550	1,180	1,877	2.5	5.3	8.5
	2.6	3.5	-	-	6.2	2.6	3.5	-	-	2,216	6,154	7,370	550	1,447	1,877	2.5	6.6	8.5
	2.6	5.3	-	-	7.9	2.5	4.9	-	-	2,574	7,370	7,370	550	1,877	1,877	2.5	8.5	8.5
	2.6	5.9	-	-	8.5	2.3	5.1	-	-	2,574	7,370	7,370	550	1,877	1,877	2.5	8.5	8.5
	2.6	7.0	-	-	9.7	2.0	5.4	-	-	2,574	7,370	7,370	550	1,877	1,877	2.5	8.5	8.5
	3.5	3.5	-	-	7.0	3.7	3.7	-	-	2,574	7,370	7,370	550	1,877	1,877	2.5	8.5	8.5
	3.5	5.3	-	-	8.8	2.9	4.4	-	-	2,574	7,370	7,370	550	1,877	1,877	2.5	8.5	8.5
	3.5	5.9	-	-	9.4	2.8	4.6	-	-	2,574	7,370	7,370	550	1,877	1,877	2.5	8.5	8.5
	3.5	7.0	-	-	10.6	2.5	4.9	-	-	2,574	7,370	7,370	550	1,877	1,877	2.5	8.5	8.5
	5.3	5.3	-	-	10.6	3.7	3.7	-	-	2,574	7,370	7,370	550	1,877	1,877	2.5	8.5	8.5
	5.3	5.9	-	-	11.1	3.5	3.9	-	-	2,574	7,370	7,370	550	1,877	1,877	2.5	8.5	8.5
	5.3	7.0	-	-	12.3	3.2	4.2	-	-	2,574	7,370	7,370	550	1,877	1,877	2.5	8.5	8.5
	5.9	5.9	-	-	11.7	3.7	3.7	-	-	2,574	7,370	7,370	550	1,877	1,877	2.5	8.5	8.5
	7.0	7.0	-	-	14.1	3.7	3.7	-	-	2,574	7,370	7,370	550	1,877	1,877	2.5	8.5	8.5
	3	2.6	2.6	2.6	-	7.9	2.6	2.6	2.6	-	2,730	7,800	7,950	550	1,790	1,877	2.5	8.1
2.6		2.6	3.5	-	8.8	2.3	2.3	3.1	-	2,730	7,800	7,950	550	1,790	1,877	2.5	8.1	8.5
2.6		2.6	5.3	-	10.6	2.0	2.0	3.9	-	2,730	7,800	7,950	550	1,790	1,877	2.5	8.1	8.5
2.6		2.6	5.9	-	11.1	1.8	1.8	4.1	-	2,730	7,800	7,950	550	1,790	1,877	2.5	8.1	8.5
2.6		2.6	7.0	-	12.3	1.7	1.7	4.5	-	2,730	7,800	7,950	550	1,790	1,877	2.5	8.1	8.5
2.6		3.5	3.5	-	9.7	2.1	2.8	2.8	-	2,730	7,800	7,950	550	1,790	1,877	2.5	8.1	8.5
2.6		3.5	5.3	-	11.4	1.8	2.4	3.6	-	2,730	7,800	7,950	550	1,790	1,877	2.5	8.1	8.5
2.6		3.5	5.9	-	12.0	1.7	2.3	3.8	-	2,730	7,800	7,950	550	1,790	1,877	2.5	8.1	8.5
2.6		3.5	7.0	-	13.2	1.6	2.1	4.2	-	2,730	7,800	7,950	550	1,790	1,877	2.5	8.1	8.5
2.6		5.3	5.3	-	13.2	1.6	3.1	3.1	-	2,730	7,800	7,950	550	1,790	1,877	2.5	8.1	8.5
2.6		5.3	5.9	-	13.8	1.5	3.0	3.3	-	2,730	7,800	7,950	550	1,790	1,877	2.5	8.1	8.5
2.6		5.3	7.0	-	14.9	1.4	2.8	3.7	-	2,730	7,800	7,950	550	1,790	1,877	2.5	8.1	8.5
2.6		5.9	5.9	-	14.4	1.4	3.2	3.2	-	2,730	7,800	7,950	550	1,790	1,877	2.5	8.1	8.5
2.6		5.9	7.0	-	15.5	1.3	2.9	3.5	-	2,730	7,800	7,950	550	1,790	1,877	2.5	8.1	8.5
3.5		3.5	3.5	-	10.6	2.6	2.6	2.6	-	2,730	7,800	7,950	550	1,790	1,877	2.5	8.1	8.5
3.5		3.5	5.3	-	12.3	2.2	2.2	3.3	-	2,730	7,800	7,950	550	1,790	1,877	2.5	8.1	8.5
3.5		3.5	5.9	-	12.9	2.1	2.1	3.5	-	2,730	7,800	7,950	550	1,790	1,877	2.5	8.1	8.5
3.5		3.5	7.0	-	14.1	2.0	2.0	3.9	-	2,730	7,800	7,950	550	1,790	1,877	2.5	8.1	8.5
3.5		5.3	5.3	-	14.1	2.0	2.9	2.9	-	2,730	7,800	7,950	550	1,790	1,877	2.5	8.1	8.5
3.5		5.3	5.9	-	14.7	1.9	2.8	3.1	-	2,730	7,800	7,950	550	1,790	1,877	2.5	8.1	8.5
3.5	5.3	7.0	-	15.8	1.7	2.6	3.5	-	2,730	7,800	7,950	550	1,790	1,877	2.5	8.1	8.5	
3.5	5.9	5.9	-	15.2	1.8	3.0	3.0	-	2,730	7,800	7,950	550	1,790	1,877	2.5	8.1	8.5	
3.5	5.3	5.3	-	15.8	2.6	2.6	2.6	-	2,730	7,800	7,930	550	1,790	1,877	2.5	8.1	8.5	
4	2.6	2.6	2.6	2.6	10.6	2.0	2.0	2.0	2.0	3,120	7,800	8,280	600	1,560	1,877	2.7	7.1	8.5
	2.6	2.6	2.6	3.5	11.4	1.8	1.8	1.8	2.4	3,120	7,800	8,280	600	1,560	1,877	2.7	7.1	8.5
	2.6	2.6	2.6	5.3	13.2	1.6	1.6	1.6	3.1	3,120	7,800	8,280	600	1,560	1,877	2.7	7.1	8.5
	2.6	2.6	2.6	5.9	13.8	1.5	1.5	1.5	3.3	3,120	7,800	8,280	600	1,560	1,877	2.7	7.1	8.5
	2.6	2.6	2.6	7.0	14.9	1.4	1.4	1.4	3.7	3,120	7,800	8,280	600	1,560	1,877	2.7	7.1	8.5
	2.6	2.6	3.5	3.5	12.3	1.7	1.7	2.2	2.2	3,120	7,800	8,280	600	1,560	1,877	2.7	7.1	8.5
	2.6	2.6	3.5	5.3	14.1	1.5	1.5	2.0	2.9	3,120	7,800	8,280	600	1,560	1,877	2.7	7.1	8.5
	2.6	2.6	3.5	5.9	14.7	1.4	1.4	1.9	3.1	3,120	7,800	8,280	600	1,560	1,877	2.7	7.1	8.5
	2.6	2.6	3.5	7.0	15.8	1.3	1.3	1.7	3.5	3,120	7,800	8,280	600	1,560	1,877	2.7	7.1	8.5
	2.6	2.6	5.3	5.3	15.8	1.3	1.3	2.6	2.6	3,120	7,800	8,280	600	1,560	1,877	2.7	7.1	8.5
	2.6	3.5	3.5	3.5	13.2	1.6	2.1	2.1	2.1	3,120	7,800	8,280	600	1,560	1,877	2.7	7.1	8.5
	2.6	3.5	3.5	5.3	14.9	1.4	1.8	1.8	2.8	3,120	7,800	8,280	600	1,560	1,877	2.7	7.1	8.5
	2.6	3.5	3.5	5.9	15.5	1.3	1.8	1.8	2.9	3,120	7,800	8,280	600	1,560	1,877	2.7	7.1	8.5
	3.5	3.5	3.5	3.5	14.1	2.0	2.0	2.0	2.0	3,120	7,800	8,280	600	1,560	1,877	2.7	7.1	8.5
	3.5	3.5	3.5	5.3	15.8	1.7	1.7	1.7	2.6	3,120	7,800	8,280	600	1,560	1,877	2.7	7.1	8.5

Combination Table (MULTI SPLIT)

Z4UQ34GFA1 Cooling_Combination of 11 Ampere Limited

Operation	Combination (kW)					Each Capacity (kW)				Total Capacity (kW)			Total Input (W)			Total Current (A)		
	Unit-A	Unit-B	Unit-C	Unit-D	Total	Unit-A	Unit-B	Unit-C	Unit-D	Min	Rated	Max	Min	Rated	Max	Min	Rated	Max
1	2.6	-	-	-	2.6	2.6	-	-	-	1,180	2,638	3,561	310	580	880	1.4	2.6	4.0
	3.5	-	-	-	3.5	3.5	-	-	-	1,180	3,517	4,220	310	812	1,262	1.4	3.7	5.7
	5.3	-	-	-	5.3	5.0	-	-	-	1,475	5,012	5,763	350	1,206	2,026	1.6	5.5	9.2
	5.9	-	-	-	5.9	6.0	-	-	-	1,622	6,008	6,609	530	1,469	2,281	2.4	6.7	10.3
	7.0	-	-	-	7.0	7.0	-	-	-	2,110	7,034	7,910	610	1,740	2,429	2.8	7.9	11.0
2	2.6	2.6	-	-	5.3	2.6	2.6	-	-	2,216	5,275	6,858	550	1,180	1,930	2.5	5.3	8.7
	2.6	3.5	-	-	6.2	2.6	3.5	-	-	2,216	6,154	7,385	550	1,447	2,260	2.5	6.6	10.2
	2.6	5.3	-	-	7.9	2.6	5.2	-	-	2,574	7,800	8,250	550	1,980	2,429	2.5	9.0	11.0
	2.6	5.9	-	-	8.5	2.4	5.4	-	-	2,574	7,800	8,250	550	1,980	2,429	2.5	9.0	11.0
	2.6	7.0	-	-	9.7	2.1	5.7	-	-	2,574	7,800	8,250	550	1,980	2,429	2.5	9.0	11.0
	3.5	3.5	-	-	7.0	3.9	3.9	-	-	2,574	7,800	8,250	550	1,980	2,429	2.5	9.0	11.0
	3.5	5.3	-	-	8.8	3.1	4.7	-	-	2,574	7,800	8,250	550	1,980	2,429	2.5	9.0	11.0
	3.5	5.9	-	-	9.4	2.9	4.9	-	-	2,574	7,800	8,250	550	1,980	2,429	2.5	9.0	11.0
	3.5	7.0	-	-	10.6	2.6	5.2	-	-	2,574	7,800	8,250	550	1,980	2,429	2.5	9.0	11.0
	5.3	5.3	-	-	10.6	3.9	3.9	-	-	2,574	7,800	8,250	550	1,980	2,429	2.5	9.0	11.0
	5.3	5.9	-	-	11.1	3.7	4.1	-	-	2,574	7,800	8,250	550	1,980	2,429	2.5	9.0	11.0
	5.3	7.0	-	-	12.3	3.3	4.5	-	-	2,574	7,800	8,250	550	1,980	2,429	2.5	9.0	11.0
	5.9	5.9	-	-	11.7	3.9	3.9	-	-	2,574	7,800	8,250	550	1,980	2,429	2.5	9.0	11.0
	7.0	7.0	-	-	14.1	3.9	3.9	-	-	2,574	7,800	8,250	550	1,980	2,429	2.5	9.0	11.0
3	2.6	2.6	2.6	-	7.9	2.6	2.6	2.6	-	2,730	7,800	8,910	550	1,790	2,429	2.5	8.1	11.0
	2.6	2.6	3.5	-	8.8	2.3	2.3	3.1	-	2,730	7,800	8,910	550	1,790	2,429	2.5	8.1	11.0
	2.6	2.6	5.3	-	10.6	2.0	2.0	3.9	-	2,730	7,800	8,910	550	1,790	2,429	2.5	8.1	11.0
	2.6	2.6	5.9	-	11.1	1.8	1.8	4.1	-	2,730	7,800	8,910	550	1,790	2,429	2.5	8.1	11.0
	2.6	2.6	7.0	-	12.3	1.7	1.7	4.5	-	2,730	7,800	8,910	550	1,790	2,429	2.5	8.1	11.0
	2.6	3.5	3.5	-	9.7	2.1	2.8	2.8	-	2,730	7,800	8,910	550	1,790	2,429	2.5	8.1	11.0
	2.6	3.5	5.3	-	11.4	1.8	2.4	3.6	-	2,730	7,800	8,910	550	1,790	2,429	2.5	8.1	11.0
	2.6	3.5	5.9	-	12.0	1.7	2.3	3.8	-	2,730	7,800	8,910	550	1,790	2,429	2.5	8.1	11.0
	2.6	3.5	7.0	-	13.2	1.6	2.1	4.2	-	2,730	7,800	8,910	550	1,790	2,429	2.5	8.1	11.0
	2.6	5.3	5.3	-	13.2	1.6	3.1	3.1	-	2,730	7,800	8,910	550	1,790	2,429	2.5	8.1	11.0
	2.6	5.3	5.9	-	13.8	1.5	3.0	3.3	-	2,730	7,800	8,910	550	1,790	2,429	2.5	8.1	11.0
	2.6	5.3	7.0	-	14.9	1.4	2.8	3.7	-	2,730	7,800	8,910	550	1,790	2,429	2.5	8.1	11.0
	2.6	5.9	5.9	-	14.4	1.4	3.2	3.2	-	2,730	7,800	8,910	550	1,790	2,429	2.5	8.1	11.0
	2.6	5.9	7.0	-	15.5	1.3	2.9	3.5	-	2,730	7,800	8,910	550	1,790	2,429	2.5	8.1	11.0
	3.5	3.5	3.5	-	10.6	2.6	2.6	2.6	-	2,730	7,800	8,910	550	1,790	2,429	2.5	8.1	11.0
	3.5	3.5	5.3	-	12.3	2.2	2.2	3.3	-	2,730	7,800	8,910	550	1,790	2,429	2.5	8.1	11.0
	3.5	3.5	5.9	-	12.9	2.1	2.1	3.5	-	2,730	7,800	8,910	550	1,790	2,429	2.5	8.1	11.0
	3.5	3.5	7.0	-	14.1	2.0	2.0	3.9	-	2,730	7,800	8,910	550	1,790	2,429	2.5	8.1	11.0
	3.5	5.3	5.3	-	14.1	2.0	2.9	2.9	-	2,730	7,800	8,910	550	1,790	2,429	2.5	8.1	11.0
	3.5	5.3	5.9	-	14.7	1.9	2.8	3.1	-	2,730	7,800	8,910	550	1,790	2,429	2.5	8.1	11.0
	3.5	5.3	7.0	-	15.8	1.7	2.6	3.5	-	2,730	7,800	8,910	550	1,790	2,429	2.5	8.1	11.0
	3.5	5.9	5.9	-	15.2	1.8	3.0	3.0	-	2,730	7,800	8,910	550	1,790	2,429	2.5	8.1	11.0
	5.3	5.3	5.3	-	15.8	2.6	2.6	2.6	-	2,730	7,800	8,910	550	1,790	2,429	2.5	8.1	11.0
4	2.6	2.6	2.6	2.6	10.6	2.0	2.0	2.0	2.0	3,120	7,800	9,560	600	1,560	2,429	2.7	7.1	11.0
	2.6	2.6	2.6	3.5	11.4	1.8	1.8	1.8	2.4	3,120	7,800	9,560	600	1,560	2,429	2.7	7.1	11.0
	2.6	2.6	2.6	5.3	13.2	1.6	1.6	1.6	3.1	3,120	7,800	9,560	600	1,560	2,429	2.7	7.1	11.0
	2.6	2.6	2.6	5.9	13.8	1.5	1.5	1.5	3.3	3,120	7,800	9,560	600	1,560	2,429	2.7	7.1	11.0
	2.6	2.6	2.6	7.0	14.9	1.4	1.4	1.4	3.7	3,120	7,800	9,560	600	1,560	2,429	2.7	7.1	11.0
	2.6	2.6	3.5	3.5	12.3	1.7	1.7	2.2	2.2	3,120	7,800	9,560	600	1,560	2,429	2.7	7.1	11.0
	2.6	2.6	3.5	5.3	14.1	1.5	1.5	2.0	2.9	3,120	7,800	9,560	600	1,560	2,429	2.7	7.1	11.0
	2.6	2.6	3.5	5.9	14.7	1.4	1.4	1.9	3.1	3,120	7,800	9,560	600	1,560	2,429	2.7	7.1	11.0
	2.6	2.6	3.5	7.0	15.8	1.3	1.3	1.7	3.5	3,120	7,800	9,560	600	1,560	2,429	2.7	7.1	11.0
	2.6	2.6	5.3	5.3	15.8	1.3	1.3	2.6	2.6	3,120	7,800	9,560	600	1,560	2,429	2.7	7.1	11.0
	2.6	3.5	3.5	3.5	13.2	1.6	2.1	2.1	2.1	3,120	7,800	9,560	600	1,560	2,429	2.7	7.1	11.0
	2.6	3.5	3.5	5.3	14.9	1.4	1.8	1.8	2.8	3,120	7,800	9,560	600	1,560	2,429	2.7	7.1	11.0
	2.6	3.5	3.5	5.9	15.5	1.3	1.8	1.8	2.9	3,120	7,800	9,560	600	1,560	2,429	2.7	7.1	11.0
	3.5	3.5	3.5	3.5	14.1	2.0	2.0	2.0	2.0	3,120	7,800	9,560	600	1,560	2,429	2.7	7.1	11.0
	3.5	3.5	3.5	5.3	15.8	1.7	1.7	1.7	2.6	3,120	7,800	9,560	600	1,560	2,429	2.7	7.1	11.0

Note
Capacities are based on the following conditions :
- Cooling : Indoor Ambient Temp. 27°CDB / 19°CWB, Outdoor Ambient Temp. 35°CDB / 24°CWB
- Interconnected piping is standard length and difference of Elevation (Outdoor ~ Indoor Unit) is 0 m.
At least two indoor units should be connected. And minimum limit of combination ratio is 40% approximately for rated capacity of outdoor unit.
Don't exceed the maximum connectable indoor units number, it can be found in Specifications or combination table of outdoor unit model.

Z4UQ34GFA1 Cooling_Combination of Full Load Ampere

Operation	Combination (kBtu/h)					Each Capacity (kBtu/h)				Total Capacity (Btu/h)			Total Input (W)			Total Current (A)		
	Unit-A	Unit-B	Unit-C	Unit-D	Total	Unit-A	Unit-B	Unit-C	Unit-D	Min	Rated	Max	Min	Rated	Max	Min	Rated	Max
1	2.6	-	-	-	2.6	2.6	-	-	-	1,180	2,638	3,561	310	580	880	1.4	2.6	4.0
	3.5	-	-	-	3.5	3.5	-	-	-	1,180	3,517	4,220	310	812	1,262	1.4	3.7	5.7
	5.3	-	-	-	5.3	5.0	-	-	-	1,475	5,012	5,763	350	1,206	2,026	1.6	5.5	9.2
	5.9	-	-	-	5.9	6.0	-	-	-	1,622	6,008	6,609	530	1,469	2,281	2.4	6.7	10.3
	7.0	-	-	-	7.0	7.0	-	-	-	2,110	7,034	8,059	610	1,740	2,790	2.8	7.9	12.6
2	2.6	2.6	-	-	5.3	2.6	2.6	-	-	2,216	5,275	6,858	550	1,180	1,930	2.5	5.3	8.7
	2.6	3.5	-	-	6.2	2.6	3.5	-	-	2,216	6,154	7,385	550	1,447	2,260	2.5	6.6	10.2
	2.6	5.3	-	-	7.9	2.6	5.2	-	-	2,574	7,800	8,268	550	1,980	2,920	2.5	9.0	13.2
	2.6	5.9	-	-	8.5	2.4	5.4	-	-	2,574	7,800	8,658	550	1,980	2,920	2.5	9.0	13.2
	2.6	7.0	-	-	9.7	2.1	5.7	-	-	2,574	7,800	8,658	550	1,980	2,920	2.5	9.0	13.2
	3.5	3.5	-	-	7.0	3.9	3.9	-	-	2,574	7,800	8,268	550	1,980	2,920	2.5	9.0	13.2
	3.5	5.3	-	-	8.8	3.1	4.7	-	-	2,574	7,800	8,463	550	1,980	2,920	2.5	9.0	13.2
	3.5	5.9	-	-	9.4	2.9	4.9	-	-	2,574	7,800	8,658	550	1,980	2,920	2.5	9.0	13.2
	3.5	7.0	-	-	10.6	2.6	5.2	-	-	2,574	7,800	8,658	550	1,980	2,920	2.5	9.0	13.2
	5.3	5.3	-	-	10.6	3.9	3.9	-	-	2,574	7,800	8,853	550	1,980	2,920	2.5	9.0	13.2
	5.3	5.9	-	-	11.1	3.7	4.1	-	-	2,574	7,800	9,048	550	1,980	2,920	2.5	9.0	13.2
	5.3	7.0	-	-	12.3	3.3	4.5	-	-	2,574	7,800	9,048	550	1,980	2,920	2.5	9.0	13.2
	5.9	5.9	-	-	11.7	3.9	3.9	-	-	2,574	7,800	9,243	550	1,980	2,920	2.5	9.0	13.2
7.0	7.0	-	-	14.1	3.9	3.9	-	-	2,574	7,800	9,243	550	1,980	2,920	2.5	9.0	13.2	
3	2.6	2.6	2.6	-	7.9	2.6	2.6	2.6	-	2,730	7,800	9,970	550	1,790	2,890	2.5	8.1	13.1
	2.6	2.6	3.5	-	8.8	2.3	2.3	3.1	-	2,730	7,800	8,970	550	1,790	2,890	2.5	8.1	13.1
	2.6	2.6	5.3	-	10.6	2.0	2.0	3.9	-	2,730	7,800	9,165	550	1,790	2,890	2.5	8.1	13.1
	2.6	2.6	5.9	-	11.1	1.8	1.8	4.1	-	2,730	7,800	9,360	550	1,790	2,890	2.5	8.1	13.1
	2.6	2.6	7.0	-	12.3	1.7	1.7	4.5	-	2,730	7,800	9,360	550	1,790	2,890	2.5	8.1	13.1
	2.6	3.5	3.5	-	9.7	2.1	2.8	2.8	-	2,730	7,800	8,970	550	1,790	2,890	2.5	8.1	13.1
	2.6	3.5	5.3	-	11.4	1.8	2.4	3.6	-	2,730	7,800	9,165	550	1,790	2,890	2.5	8.1	13.1
	2.6	3.5	5.9	-	12.0	1.7	2.3	3.8	-	2,730	7,800	9,360	550	1,790	2,890	2.5	8.1	13.1
	2.6	3.5	7.0	-	13.2	1.6	2.1	4.2	-	2,730	7,800	9,360	550	1,790	2,890	2.5	8.1	13.1
	2.6	5.3	5.3	-	13.2	1.6	3.1	3.1	-	2,730	7,800	9,555	550	1,790	2,890	2.5	8.1	13.1
	2.6	5.3	5.9	-	13.8	1.5	3.0	3.3	-	2,730	7,800	9,750	550	1,790	2,890	2.5	8.1	13.1
	2.6	5.3	7.0	-	14.9	1.4	2.8	3.7	-	2,730	7,800	9,750	550	1,790	2,890	2.5	8.1	13.1
	2.6	5.9	5.9	-	14.4	1.4	3.2	3.2	-	2,730	7,800	9,945	550	1,790	2,890	2.5	8.1	13.1
	2.6	5.9	7.0	-	15.5	1.3	2.9	3.5	-	2,730	7,800	9,945	550	1,790	2,890	2.5	8.1	13.1
	3.5	3.5	3.5	-	10.6	2.6	2.6	2.6	-	2,730	7,800	8,970	550	1,790	2,890	2.5	8.1	13.1
	3.5	3.5	5.3	-	12.3	2.2	2.2	3.3	-	2,730	7,800	9,165	550	1,790	2,890	2.5	8.1	13.1
	3.5	3.5	5.9	-	12.9	2.1	2.1	3.5	-	2,730	7,800	9,360	550	1,790	2,890	2.5	8.1	13.1
	3.5	3.5	7.0	-	14.1	2.0	2.0	3.9	-	2,730	7,800	9,360	550	1,790	2,890	2.5	8.1	13.1
	3.5	5.3	5.3	-	14.1	2.0	2.9	2.9	-	2,730	7,800	9,555	550	1,790	2,890	2.5	8.1	13.1
	3.5	5.3	5.9	-	14.7	1.9	2.8	3.1	-	2,730	7,800	9,750	550	1,790	2,890	2.5	8.1	13.1
3.5	5.3	7.0	-	15.8	1.7	2.6	3.5	-	2,730	7,800	9,750	550	1,790	2,890	2.5	8.1	13.1	
3.5	5.9	5.9	-	15.2	1.8	3.0	3.0	-	2,730	7,800	9,945	550	1,790	2,890	2.5	8.1	13.1	
5.3	5.3	5.3	-	15.8	2.6	2.6	2.6	-	2,730	7,800	9,945	550	1,790	2,890	2.5	8.1	13.1	
4	2.6	2.6	2.6	2.6	10.6	2.0	2.0	2.0	2.0	3,120	7,800	10,218	600	1,560	2,970	2.7	7.1	13.5
	2.6	2.6	2.6	3.5	11.4	1.8	1.8	1.8	2.4	3,120	7,800	10,218	600	1,560	2,970	2.7	7.1	13.5
	2.6	2.6	2.6	5.3	13.2	1.6	1.6	1.6	3.1	3,120	7,800	10,413	600	1,560	2,970	2.7	7.1	13.5
	2.6	2.6	2.6	5.9	13.8	1.5	1.5	1.5	3.3	3,120	7,800	10,608	600	1,560	2,970	2.7	7.1	13.5
	2.6	2.6	2.6	7.0	14.9	1.4	1.4	1.4	3.7	3,120	7,800	10,608	600	1,560	2,970	2.7	7.1	13.5
	2.6	2.6	3.5	3.5	12.3	1.7	1.7	2.2	2.2	3,120	7,800	10,218	600	1,560	2,970	2.7	7.1	13.5
	2.6	2.6	3.5	5.3	14.1	1.5	1.5	2.0	2.9	3,120	7,800	10,413	600	1,560	2,970	2.7	7.1	13.5
	2.6	2.6	3.5	5.9	14.7	1.4	1.4	1.9	3.1	3,120	7,800	10,608	600	1,560	2,970	2.7	7.1	13.5
	2.6	2.6	3.5	7.0	15.8	1.3	1.3	1.7	3.5	3,120	7,800	10,608	600	1,560	2,970	2.7	7.1	13.5
	2.6	2.6	5.3	5.3	15.8	1.3	1.3	2.6	2.6	3,120	7,800	10,800	600	1,560	2,970	2.7	7.1	13.5
	2.6	3.5	3.5	3.5	13.2	1.6	2.1	2.1	2.1	3,120	7,800	10,218	600	1,560	2,970	2.7	7.1	13.5
	2.6	3.5	3.5	5.3	14.9	1.4	1.8	1.8	2.8	3,120	7,800	10,413	600	1,560	2,970	2.7	7.1	13.5
	2.6	3.5	3.5	5.9	15.5	1.3	1.8	1.8	2.9	3,120	7,800	10,608	600	1,560	2,970	2.7	7.1	13.5
	3.5	3.5	3.5	3.5	14.1	2.0	2.0	2.0	2.0	3,120	7,800	10,218	600	1,560	2,970	2.7	7.1	13.5
	3.5	3.5	3.5	5.3	15.8	1.7	1.7	1.7	2.6	3,120	7,800	10,413	600	1,560	2,970	2.7	7.1	13.5