

ETNA



AIR CONDITIONER

2025 PRODUCT CATALOGUE

M Plus Series Features



Highlights

- SLEEP MODE
- AUTOMATIC CLEANING
- FIVE FILE WIND SPEED
- HIDDEN DISPLAY
- WIDE-ANGLE AIR SUPPLY
- 4 WAY AIRFIOW
- SILENT
- SILVER ION FILTER
- TIMING CONTROLL
- ACTIVE CARBON FILTER
- VITAMIN C FILTER
- XTRA-LARGE AIR SPAN

MA Panel (Matte)



MB Panel (Matte)



MC Panel (Matte + High Glossy)



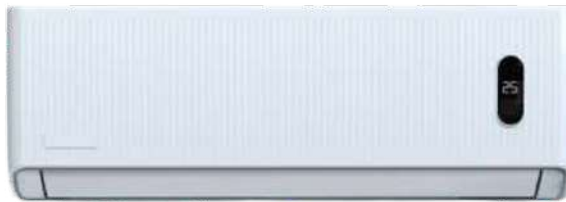
MD Panel (Matte + High Glossy)



ME Panel (Matte)



MF Panel(Wave)



MG Panel(Matte)



M Plus Series Features



MC Panel (Matte + High Glossy)



NEW AIR FLUE DESIGN

The newly designed air flow path greatly reduces the air flow resistance so that the air flow is smoother and the air volume is larger.

ENERGY SAVING 30%

Adopt the world famous high efficiency compressor, fast refrigeration and heating so that the air conditioning energy saving more than 30%.

PCB EASY MAINTENANCE DESIGN

Unique electric control box and frame structure design, can make PCB inspection and maintenance more convenient and fast.

WIFI 3.0

The new WIFI control experience lets you do whatever you want anytime, anywhere.

NEGATIVE ION 3.0

It can generate small particle size high activity, natural migration distance of negative ionseffectively degrade a variety of indoor air pollutants, and provide people with air vitamin - negative oxygen ions.

UVC STERILIZATION

It destroys the molecular structure of DNA or RNA in microbial cellsit is a pure physical disinfection with broad spectrum, high efficiencyfast and thorough, no need to add chemical agents.no drug resistance and no secondary pollution.

ECO FUNCTION

Press ECO in Refrigeration mode and the temperature will be automatically adjusted to 26 degrees celsius.

M Plus Series



Main Supplier Main Strategy Cooperation Supplier



M Plus Series



Main Supplier Main Strategy Cooperation Supplier



M Plus Series



Main Supplier Main Strategy Cooperation Supplier



M Plus Series Features

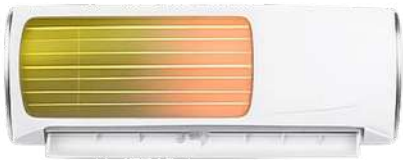
MBO air conditioner is equipped with intelligent washing technology. Easy four steps cleaning fins more quickly

1



The initial condensation moistens the stain and prepares it for cleaning

2



Deep coagulation water washing dirt and air conditioning cleaning

3



Evaporation removes residual moisture from the evaporator

4

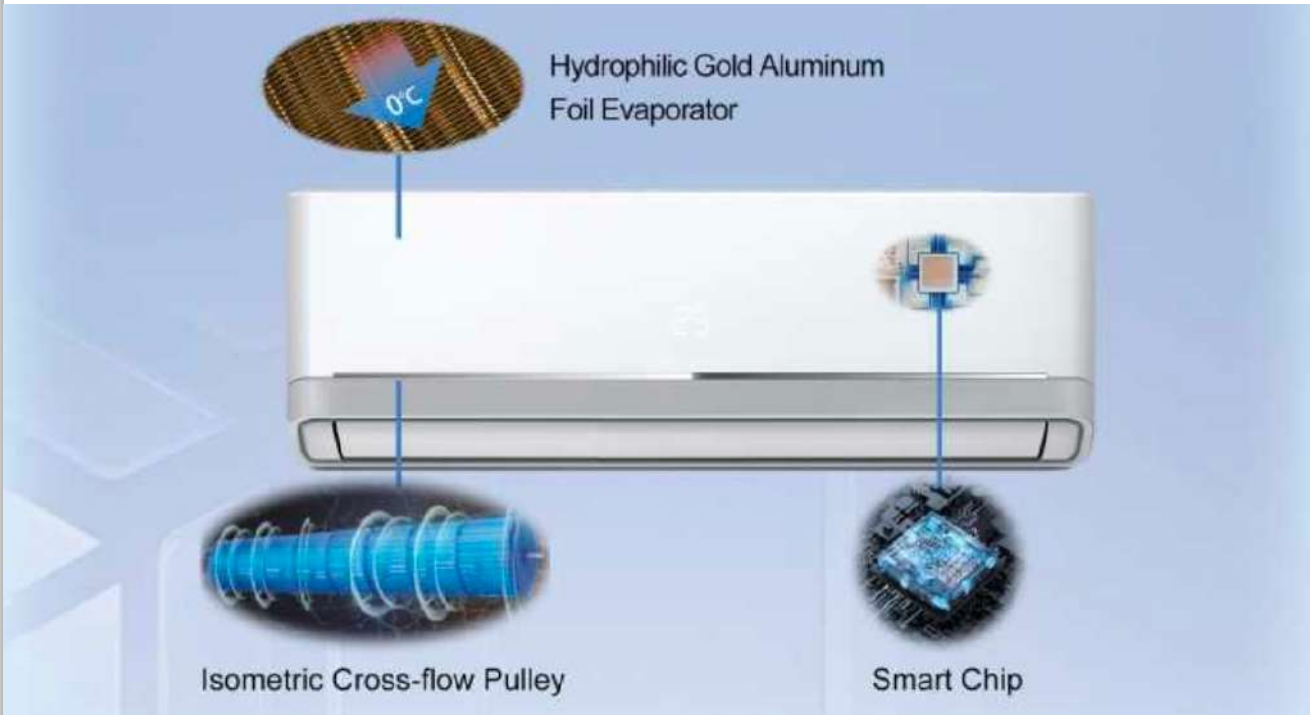


Air supply and cooling bring fresh air

NEW Outdoor Unit



Technical Features

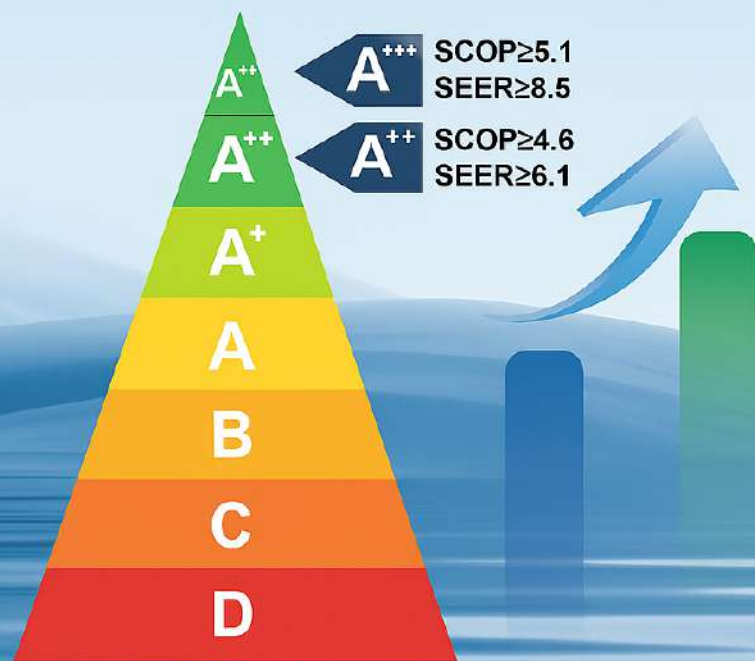


Outdoor Unit



More Energy and Electricity Saving

Our products have obtained CE certification compared with traditional air conditioners, The saves 51.76% of electricity



ECO

- Saving energy and electricity
- Environmental friendly refrigerant



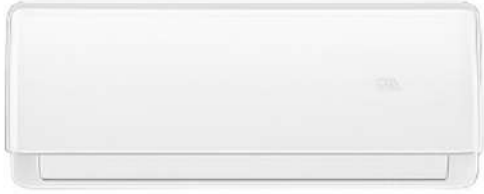
R32、R290、R410a

- Saving energy and electricity
- Environmental friendly refrigerant

Air Series



AA



AE



AB



AF



AC



AG



AD



AH

Air Series - AA Panel



Highlights

- SLEEP MODE
- HIDDEN DISPLAY
- WIDE-ANGLE AIR SUPPLY
- FIVE FILE WIND SPEED
- AUTOMATIC CLEANING
- QUIENT
- TIMER
- SELF-DIAGNOSIS
- RAPID COOLING/HEATING

Key Features

- 100% COPPER CONDENSER
- ANTI-DUST AIR FILTRATION
- AUTO SMART CHECK
- ECO-FRIENDLY REFRIGERANT
- TURBO MODE
- WIRELESS LED REMOTE CONTROL

Air Series - AB Panel



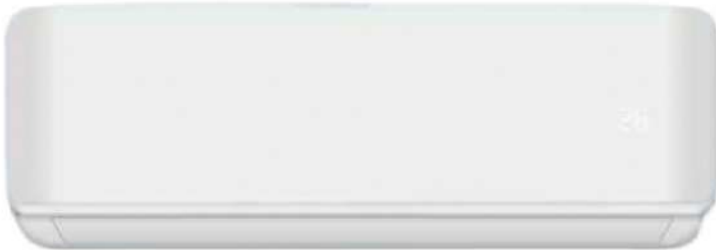
Highlights

- SLEEP MODE
- HIDDEN DISPLAY
- WIDE-ANGLE AIR SUPPLY
- FIVE FILE WIND SPEED
- AUTOMATIC CLEANING
- QUIENT
- TIMER
- SELF-DIAGNOSIS
- DUST FILTER
- SILVER ION FILTER
- 4 WAY AIRFLO

Key Features

- 100% COPPER CONDENSER
- ANTI-DUST AIR FILTRATION
- AUTO SMART CHECK
- ECO-FRIENDLY REFRIGERANT
- TURBO MODE
- WIRELESS LED REMOTE CONTROL

Air Series - AC Panel



Air Series AD Panel



Air Series - AD Panel



Air Series AE Panel



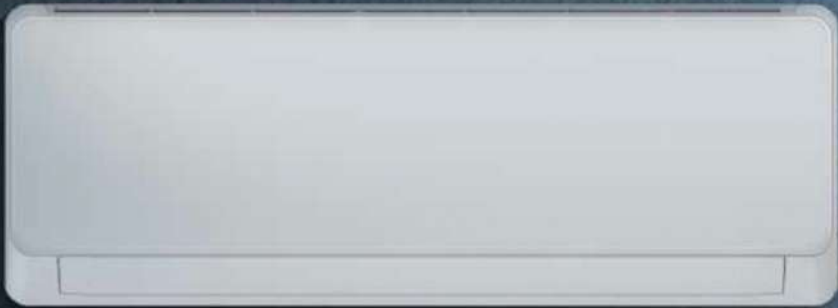
Highlights

- 4 WAY AIRFLO
- HIDDEN DISPLAY
- WIDE-ANGLE AIR SUPPLY
- SILVER ION FILTER
- AUTOMATIC CLEANING
- QUIENT
- TIMER
- DUST FILTER
- ACTIVE CARBON FILTER
- XTRA-LARGE AIR SPAN
- MULTIPLE WIND SPEEDS

Air Series AE Panel



Air Series AF Panel



Air Series - AF Panel



Air Series AG Panel



Highlights

- VITAMIN C FILTER
- HIDDEN DISPLAY
- WIDE-ANGLE AIR SUPPLY
- 4 WAY AIRFLO
- AUTOMATIC CLEANING
- QUIENT
- TIMING CONTROL
- SILVER ION FILTER
- ACTIVE CARBON FILTER
- XTRA-LARGE AIR SPAN
- FIVE FILE WIND SPEED
- DUST FILTER



Air Series AH Panel



Highlights

- VITAMIN C FILTER
- HIDDEN DISPLAY
- WIDE-ANGLE AIR SUPPLY
- 4 WAY AIRFLO
- AUTOMATIC CLEANING
- QUIENT
- TIMING CONTROL
- SILVER LON FILTER

Air Series AH Panel





Air Series Specifications

Series:			Air Series		Air Series	
Model:			MSB-12HVCN		MSA-18HVCN	
Type:			INVERTER		INVERTER	
Items			Unit	Heating Pump	Heating Pump	
Nameplate Parameter	Rated Capacity		Cooling (A2)	BTU/h	12000	18100
			Cooling (A2)	W	3516	5305
			Heating (H1N)	BTU/h	12300	18600
			Heating (H1N)	W	3605	5451
	Rated Power Input		Cooling (A2)	W	877.1	1343.4
			Heating (H1N)	W	1047.5	1510.2
	Rated Current		Cooling (A2)	A	12	8.1
			Heating (H1N)	A	12	8.1
	Test Conditions		Cooling (A2)	AHRI	ID:26.7DB / 19.4WB	OD:35DB / 23.9WB
			Heating (H1N)	AHRI	ID:21.1DB / 15.6WB	OD:8.3DB / 6.1WB
	Max. Input Power			W	1450	2050
	Max. Input Current			A	12.6	9.5
	EER Cooling			Btu/Wh	SEER2 23.9	SEER2 21.20
				Btu/Wh	EER2 13.05	EER2 13.15
	COP Heating			Btu/Wh	HSPF2 8.25	HSPF2 8.9
	Power Supply Source			V/Ph/Hz	115V-1-60Hz	220V-1-60Hz
	Refrigerant				R32	R32
	Refrigerant Charged			g	850	800
	Max. Discharge Pressure			MPa	4.2	4.2
	Max. Suction Pressure			MPa	1.2	1.2
Air Flow Volume			m3/h	900	1250	
IDU-Noise Level (SPrL)			dB(A)	43	48	
ODU-Noise Level (SPrL)			dB(A)	52	55	
Indoor Unit Weight (Net)			kg	11	13	
Outdoor Unit Weight (Net)			kg	36	43	
Indoor Unit Weight (Gross)			kg	14	16	
Outdoor Unit Weight (Gross)			kg	40	47	
Indoor unit configuration	Evaporator	Multi-bend			3	3
		Rows			2	2
		Tube Pitch×Row Pich		mm	21*13.37*2	21*13.37*2
	Tube	Material			Inner-grooved Copper	Inner-grooved Copper
		Length		mm	670	850
		Diameter × Thickness		mm	Φ7	Φ7
		No. of Hair Pin			16U	16U
	Fin	Material			Hydrophilic Aluminium Foil	Hydrophilic Aluminium Foil
		Fin Type			Window Type	Window Type
		Thickness		mm	0.095	0.095
		Fin Spaceing		mm	1.5	1.5
	Face Area		m²	0.225	0.286	

Indoor Unit Configuration	Fan System	Fan	Type		Cross-flow fan	Cross-flow fan
			Material		AS+Glass Fiber	AS+Glass Fiber
			Diameter × Length	mm	Φ107.9*660	Φ108*840
		Fan Motor	Model		ZWR30-8	ZWR50-L
			Type	AC/DC	DC	DC
			Capacitor	μF	NA	NA
			Insulation Grade		E	E
			Motor Speed (H/M/L)	rpm	1250/1150/1030/850/550	1250/1150/1030/850/550
			Air Circulation (H/M/L)	m³/h	900/830/750/620/550	1300/1150/1000/900/750
			Rated Output Power	W	30	50
	Dimensions	Packing Type (6 face/4 face)			6	6
		Net Dimension (Width x Depth x Height)		mm	920*320*230	1100*320*230
		Packing Dimension (Width x Depth x Height)		mm	985*380*320	1168*405*330
	Power Supply Cord	Cabel Length		m	1.5	1.5
Outdoor Unit Configuration			Plug		/	/
	Condensate Drainage Pipe (0.D)			mm	Φ16	Φ16
	Condensate Drainage Pipe (L)			mm	2000	2000
	Connect Pipe		Liquid tube Diameter × Thickness	mm	Φ6.35*0.55	Φ6.35*0.55
			Gas Tube Diameter × Thickness	mm	Φ12.7*0.7	Φ15.88*0.75
	Stop Valve		Liquid Valve	Inch	1/4	1/4
			Gas Valve	Inch	1/2	5/8
	Compressor Model				KSN98D64UFZ3	KSN140D53UFZ3
	Compressor Parameter	Drive mode		AC/DC	DC	DC
		Type			ROTARY	ROTARY
		Brand			GMCC	GMCC
	Fan System	Fan	Type		Axial-flow Fan	Axial-flow Fan
			Vane Number		3	3
			Blade Material		AS	AS
			Diameter	mm	Φ429	Φ470
		Motor	Model		RD34HA2	ZKSP-70-8
			Output Power	W	35	70
			Type	AC/DC	DC	DC
			Insulation Grade		E	E
			Capacitor	μF	NA	NA
	Condenser	Rows		Row	2	2
		Tube Pitch×Row Pich		mm	25.4*18.19*2	25.4*18.19*2
		Bended or Flat			Bended	Bended
		Tube	Material		Inner-grooved Copper	Inner-grooved Copper
			Length	mm	875	790
			Diameter	mm	Φ7	Φ7
			Quantity	U-PIPE	20U	24U
		Fin	Material		Hydrophilic Aluminium Foil	Hydrophilic Aluminium Foil
			Fin Type		Corrugated	Corrugated
			Fin Spaceing		1.4	1.4
		Throttling Gear			Capillary	Capillary
	Dimension	Net Dimension (Width x Depth x Height)		mm	795*290*555	833*322*655
		Packing Dimension (Width x Depth x Height)		mm	900*400*620	933*422*715

Series:		Air Series	Air Series	
Model:		MSB-12HVCN	MSA-18HVCM	
Type:		INVERTER	INVERTER	
Items		Unit	Heating Pump	
Heating Pump		Heating Pump	Heating Pump	
Features & Functions	Display on Front Panel		Hidden Display	Hidden Display
	LCD Wireless Remote Controller		Y	Y
	Washable PP Filter (Anti Dust)		Y	Y
	Active Charcoal Filter		OPTIONAL	OPTIONAL
	Catechin Filter		OPTIONAL	OPTIONAL
	Negative Ion Filter		OPTIONAL	OPTIONAL
	Vitamin-C Filter		OPTIONAL	OPTIONAL
	MUTE		OPTIONAL	OPTIONAL
	Golden Fin Evaporator		OPTIONAL	OPTIONAL
	Golden Fin Condensor		OPTIONAL	OPTIONAL
	Manual Adjustable Vertical Louver		Y	Y
	Cold Air Protection		NA	NA
	REMOTE CONTROLLER	Auto Restart	Y	Y
		Timer	Y	Y
		TURBO / STRONG Function	Y	Y
		ECO	OPTIONAL	OPTIONAL
		FAN SPEED	Y	Y
		DISPLAY ON/OFF SELECTION	Y	Y
		ELECTRIC HEATER	NA	NA
		ANTI-MILDEW	OPTIONAL	OPTIONAL
		4 Way Swing	OPTIONAL	OPTIONAL
		KIDS LOCK	Y	Y
		Sleep Function	Y	Y
		Auto Defrost	Y	Y
		Dehumidification Function	Y	Y
		Auto Clean	OPTIONAL	OPTIONAL
		HEALTH	OPTIONAL	OPTIONAL
Accessories	Remote Wall Holder	OPTIONAL	OPTIONAL	
	Outdoor Value Cover	OPTIONAL	OPTIONAL	
	Accessorie - Outdoor Bracket	OPTIONAL	OPTIONAL	
Container Loading Qty (CBU) 40'HC (with Pipe)		196	155	
REMARK	1. Draft Specification, final data might be adjusted based on actual testing & product development;			
	2. Feature & Functions may differ from the final remote selection, pls double check with Sales Team.			

M Plus Series Specifications

Series:								
Model:								
Type:								
Items			Unit	M Plus 12K (800) INVERTER Heating Pump	M Plus 12K (800) INVERTER Heating Pump	M Plus 18K INVERTER Heating Pump	M Plus 24K INVERTER Heating Pump	M Plus 36K INVERTER Heating Pump
Nameplate Parameter	Rated Capacity	Cooling	BTU/h	12000 (3500-13500)	12000 (3500-13500)	18000 (3500-20000)	24000 (4000-26000)	36000 (7000-38000)
		Heating	BTU/h	12000 (3500-13500)	12000 (3500-13500)	18000 (3500-20000)	24000 (4000-26000)	36000 (7000-38000)
	Rated Power Input	Cooling	W	980	1020	1520	2160	3600
		Heating	W	920	992	1450	1998	2900
	Rated Current	Cooling	A	8.6	4.6	6.9	9.8	16.5
		Heating	A	8.1	4.5	6.6	9.1	13.3
	Max. Input Power		W	1650	1710	2115	3000	4900
	Max. Input Current		A	15.5	8.3	9.6	13.6	22.6
	EER Cooling		Btu/Wh	SEER2 18.325	SEER2 18.375	SEER2 18.375	SEER2 18.2	SEER2 18.1
	COP Heating		Btu/Wh	HSPF2 8.2	HSPF2 8.375	HSPF2 8.375	HSPF2 8.2	HSPF2 8.2
	Power Supply Source		V/Ph/Hz	115V-1-60Hz	220V-1-60Hz	220V-1-60Hz	220V-1-60Hz	220V-1-60Hz
	Refrigerant			R32	R32	R32	R32	R32
	Refrigerant Charged		g	510	510	680	800	1440
	Max. Discharge Pressure		MPa	4.2	4.2	4.2	4.2	4.2
	Max. Suction Pressure		MPa	1.2	1.2	1.2	1.2	1.2
	Air Flow Volume		m³/h	650	650	900	1000	2100
	IDU-Noise Level (SPrL)		dB(A)	35	35	42	45	48
	ODU-Noise Level (SPrL)		dB(A)	50	50	51	53	56
	Indoor Unit Weight (Net)		kg	8	8	10	14	25
	Outdoor Unit Weight (Net)		kg	21	21	24	30	37
Indoor unit configuration	Indoor Unit Weight (Gross)		kg	10	10	13	17	30
	Outdoor Unit Weight (Gross)		kg	23	23	26	33	40
	Evaporator	Multi-bend			3	3	3	3
		Rows			2	2	2	2
		Tube Pitch×Row Pich		mm	21*13.37*2	21*13.37*2	21*13.37*2	21*13.37*2
		Tube	Material			Inner-grooved Copper	Inner-grooved Copper	Inner-grooved Copper
			Length		mm	602	602	670
			Diameter × Thickness		mm	Φ7	Φ7	Φ7
			No. of Hair Pin			12U	12U	16U
		Fin	Material			Hydrophilic Aluminium Foil	Hydrophilic Aluminium Foil	Hydrophilic Aluminium Foil
			Fin Type			Window Type	Window Type	Window Type
			Thickness		mm	0.095	0.095	0.095
			Fin Spaceing		mm	1.5	1.5	1.5
		Face Area		m²	0.156	0.156	0.225	0.286
							0.286	0.695

Indoor Unit Configuration	Fan System	Fan	Type		Cross-flow Fan	Cross-flow Fan	Cross-flow Fan	Cross-flow Fan	Cross-flow Fan
			Material		AS+Glass Fiber	AS+Glass Fiber	AS+Glass Fiber	AS+Glass Fiber	AS+Glass Fiber
			Diameter × Length	mm	Φ90.4*607	Φ90.4*607	Φ107.9*660	Φ108*840	Φ118*1115
		Fan Motor	Model		ZWRN-20-11L	ZWRN-20-11L	ZWR30-8	ZWR50-L	T10WZ70-N06
			Type	AC/DC	DC	DC	DC	DC	DC
			Capacitor	μF	NA	NA	NA	NA	NA
			Insulation Grade		E	E	E	E	E
			Motor Speed (H/M/L)	rpm	1250/1180/1050/900/750	1250/1180/1050/900/750	1250/1150/1030/850/550	1250/1150/1030/850/550	1250/1150/1030/850/550
			Air Circulation (H/M/L)	m³/h	900/850/780/650/550	900/850/780/650/550	900/830/750/620/550	1300/1150/1000/900/750	2140/1960/1730/1380/840
			Rated Output Power	W	20	20	30	50	70
Dimensions	Packing Type (6 face/4 face)			6	6	6	6	6	
	Net Dimension (Width x Depth x Height)		mm	800*290*190	800*290*190	920*320*230	1100*320*230	1400*390*285	
	Packing Dimension (Width x Depth x Height)		mm	875*375*285	875*375*285	985*375*315	1168*405*330	1570*500*410	
Power Supply Cord	Cabel Length		m	1.5	1.5	1.5	1.5	1.5	
	Plug			/	/	/	/	/	
Condensate Drainage Pipe (O.D)			mm	Φ16	Φ16	Φ16	Φ16	Φ16	
Condensate Drainage Pipe (L)			mm	2000	2000	2000	2000	2000	
Outdoor Unit Configuration	Connect Pipe		Liquid tube Diameter × Thickness	mm	Φ6.35*0.55	Φ6.35*0.55	Φ6.35*0.55	Φ6.35*0.55	Φ6.35*0.55
			Gas Tube Diameter × Thickness	mm	Φ9.52*0.6	Φ9.52*0.6	Φ12.7*0.7	Φ15.88*0.75	Φ15.88*0.75
	Stop Valve		Liquid Valve	Inch	1/4'	1/4'	1/4'	1/4'	1/4'
			Gas Valve	Inch	3/8'	3/8'	1/2'	5/8'	5/8'
	Compressor Model				FTz-AN089ACBA-D	FTz-AN089ACBA-D	QXF-A098Zc130H	FTz-SN150AXBA-B	KTM240D43UMT
	Compressor Parameter	Drive mode		AC/DC	DC	DC	DC	DC	DC
		Type			ROTARY	ROTARY	ROTARY	ROTARY	ROTARY
		Brand			GREE	GREE	GREE	GREE	GMCC
	Fan System	Fan	Type		Axial-flow Fan	Axial-flow Fan	Axial-flow Fan	Axial-flow Fan	Axial-flow Fan
			Vane Number		3	3	3	3	3
			Blade Material		AS	AS	AS	AS	AS
			Diameter	mm	Φ350	Φ350	Φ402	Φ442	Φ470
		Motor	Model		ZKFN-33-10-20L	ZKFN-33-10-20L	ZKFN-33-10-21L	RD (AL) 45HF	ZKSP-70-8-3
			Output Power	W	33	33	33	45	70
			Type	AC/DC	DC	DC	DC	DC	DC
			Insulation Grade		E	E	E	E	E
	Condenser			μF	NA	NA	NA	NA	NA
Rows		Row	1	1	2	2	2		
Tube Pitch×Row Pich		mm	25.4*18.19	25.4*18.19	25.4*18.19*2	25.4*18.19*2	25.4*18.19*2		
Bended or Flat			Bended	Bended	Bended	Bended	Bended		
Tube		Material		Inner-grooved Copper	Inner-grooved Copper	Inner-grooved Copper	Inner-grooved Copper	Inner-grooved Copper	
		Length	mm	620	620	645	776	780	
		Diameter	mm	Φ7	Φ7	Φ7	Φ7	Φ7	
		Quantity	U-PIPE	10U	10U	20U	22U	24U	
Fin		Material		Hydrophilic Aluminium Foil	Hydrophilic Aluminium Foil	Hydrophilic Aluminium Foil	Hydrophilic Aluminium Foil	Hydrophilic Aluminium Foil	
		Fin Type		Window	Window	Window	Window	Window	
		Fin Spaceing		1.4	1.4	1.4	1.4	1.4	
		Throttling Gear			Capillary	Capillary	Capillary	Capillary	Capillary
Dimension	Net Dimension (Width x Depth x Height)		mm	680*246*462	680*246*462	718*300*540	818*295*600	833*322*655	
	Packing Dimension (Width x Depth x Height)		mm	775*315*515	775*315*515	825*380*590	915*390*670	933*422*715	

Features & Functions	Display on Front Panel		Hidden Display	Hidden Display	Hidden Display	Hidden Display	Hidden Display
	LCD Wireless Remote Controller		Y	Y	Y	Y	Y
	Washable PP Filter (Anti Dust)		Y	Y	Y	Y	Y
	Active Charcoal Filter		OPTIONAL	OPTIONAL	OPTIONAL	OPTIONAL	OPTIONAL
	Catechin Filter		OPTIONAL	OPTIONAL	OPTIONAL	OPTIONAL	OPTIONAL
	Negative Ion Filter		OPTIONAL	OPTIONAL	OPTIONAL	OPTIONAL	OPTIONAL
	Vitamin–C Filter		OPTIONAL	OPTIONAL	OPTIONAL	OPTIONAL	OPTIONAL
	MUTE		OPTIONAL	OPTIONAL	OPTIONAL	OPTIONAL	OPTIONAL
	Golden Fin Evaporator		OPTIONAL	OPTIONAL	OPTIONAL	OPTIONAL	OPTIONAL
	Golden Fin Condensor		OPTIONAL	OPTIONAL	OPTIONAL	OPTIONAL	OPTIONAL
	Manual Adjustable Vertical Louver		Y	Y	Y	Y	Y
	Cold Air Protection		Y	Y	Y	Y	Y
	REMOTE CONTROLLER	Auto Restart	Y	Y	Y	Y	Y
		Timer	Y	Y	Y	Y	Y
		TURBO / STRONG Function	Y	Y	Y	Y	Y
		ECO	OPTIONAL	OPTIONAL	OPTIONAL	OPTIONAL	OPTIONAL
		FAN SPEED	Y	Y	Y	Y	Y
		DISPLAY ON/OFF SELECTION	Y	Y	Y	Y	Y
		ELECTRIC HEATER	OPTIONAL	OPTIONAL	OPTIONAL	OPTIONAL	OPTIONAL
		ANTI–MILDEW	OPTIONAL	OPTIONAL	OPTIONAL	OPTIONAL	OPTIONAL
		4 Way Swing	OPTIONAL	OPTIONAL	OPTIONAL	OPTIONAL	OPTIONAL
		KIDS LOCK	OPTIONAL	OPTIONAL	OPTIONAL	OPTIONAL	OPTIONAL
		Sleep Function	Y	Y	Y	Y	Y
		Auto Defrost	Y	Y	Y	Y	Y
		Dehumidification Function	Y	Y	Y	Y	Y
		Auto Clean	OPTIONAL	OPTIONAL	OPTIONAL	OPTIONAL	OPTIONAL
		HEALTH	OPTIONAL	OPTIONAL	OPTIONAL	OPTIONAL	OPTIONAL
	Accessories	Remote Wall Holder	OPTIONAL	OPTIONAL	OPTIONAL	OPTIONAL	OPTIONAL
		Outdoor Value Cover	OPTIONAL	OPTIONAL	OPTIONAL	OPTIONAL	OPTIONAL
		Acessorie – Outdoor Bracket	OPTIONAL	OPTIONAL	OPTIONAL	OPTIONAL	OPTIONAL
Container Loading Qty (CBU) 40’HC (with Pipe)			305	305	220	168	112
REMARK	1. Draft Specification, final data might be adjusted based on actual testing & product development;						
	2. Feature & Functions may differ from the final remote selection, pls double check with Sales Team.						