



TADIRAN
PRODUCT CATALOG
2020



WE ARE DRIVING THE FUTURE OF AIR

With our wide range of advanced air conditioning solutions for residential and light commercial applications, Tadiran is a leading global air conditioning manufacturer.

We create the perfect environment through sophisticated, smart technology and innovative design.

Pioneering R&D labs and our globally recognized state of the art production facility challenge the industry with cutting edge initiatives. Our products deliver low maintenance and long lifespan.

We are committed to constantly innovate. Our breakthrough technological developments, dedication to customer service, and 60 years expertise in a highly competitive market guarantee that every Tadiran customer enjoys a superior air experience.

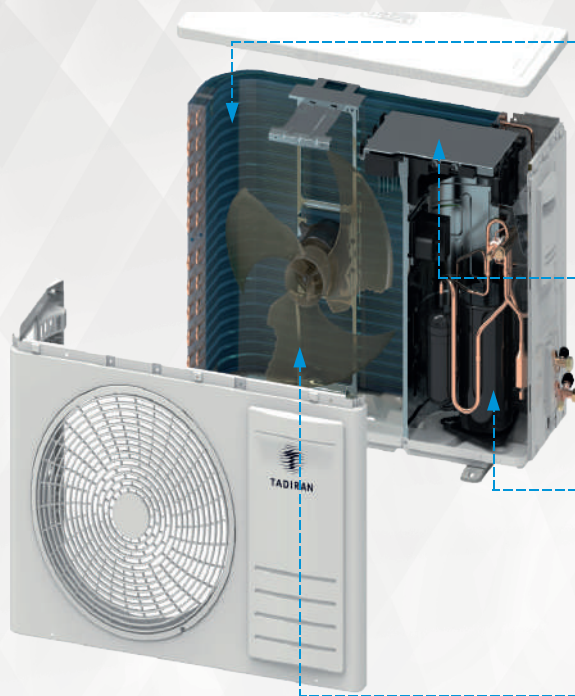
We shape the future of air.



TADIRAN

Outstanding Features

High Standard Components



High Efficiency Heat Exchanger

Combined with hydrophilic anti-corrosion aluminum fins and inner grooved copper tubes, the heat exchanger is high efficient and high reliable.

High-anticorrosion Golden Fins (Option)

High Quality PCB

The well protected designed PCB ensures the unit's good performance and long-lasting under high temperature and humidity

High Performance Compressor

All new design compressor highly reduces the energy consuming & noise during operation. It has high reliability and longer service life under tropical condition which manufactured according to JIS industrial standard.

All new design aerodynamic fan blades

Optimized air flow and lower noise thank to fan blades designed according to the latest aerodynamic simulation.

DC Inverter Compressor

Strong cooling & heating power from high efficiency DC Inverter compressor.

Energy saving

All new design of compressor chamber and high efficient motor, highly reduce the energy consuming during operation.



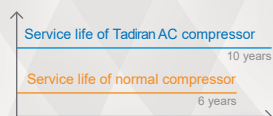
Low noise

Quiet operation thanks to the particular noise reduction technology.



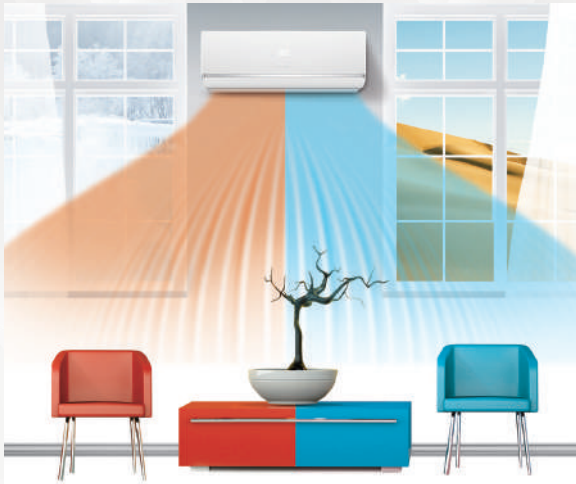
Longer service life

Compressor is manufactured according to the strictest JIS industrial standard from Japan with high reliability and longer service life.



Wide Operation Temperature Range

The unit runs smoothly under the extreme outdoor temperature conditions from -25 °C to 54 °C with the latest inverter technology which stabilize the operation of DC inverter compressor and BLDC motor.



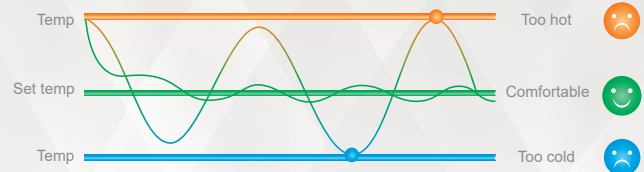
Filter-clean Reminder

'CL' is displayed automatically to remind you to clean the filter once the accumulating time reaches the setting value.



Automatic Temperature Control Technology

Keeping stable comfort indoor environment by the automatic temperature control technology which make tiny temperature fluctuation.



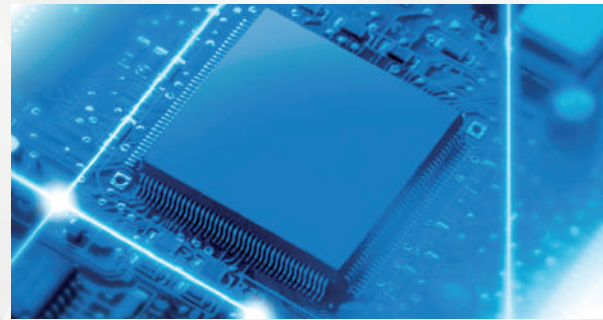
Fast Cooling / Heating

You can enjoy cooling or heating in minutes. Strong performance of compressor ensure the fast reaching of the setting temperature.



Memory Function

Keeps the same running status as the last time once the unit is turned on.



I-FEEL

Ambient temperature is detected by the remote controller in your hand, thus the temperature is precise and closer to your status. The air conditioner will keep comfortable surrounding.





Residential Air Conditioners



Multiple Air Purification

IFD module (Optional)

The IFD (Intense Field Dielectric) module is efficient solution for removing off the small dust particles from the air. The dust collector can be easily cleaned by washing and reusing.



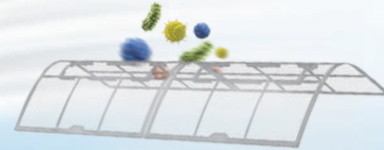
Alternative filters

Photocatalytic filter/ Catechin filter/ Active carbon filter/ Silver ion filter/ HCHO purification filter / Multi-functional filter.



High density anti-mildew filter

Authenticated by Canton Microbiology Detection Center, the mildew-proof level of this filter can effectively control the growth of common mildew and fungus.



Cold plasma generator (Optional)

The cold plasma generator can effectively eliminate bacteria and odor in the air.

1. The H₂O molecules are ionized
2. Neutral reaction between the positive ions and negative ions eliminates bacteria and odor molecules.



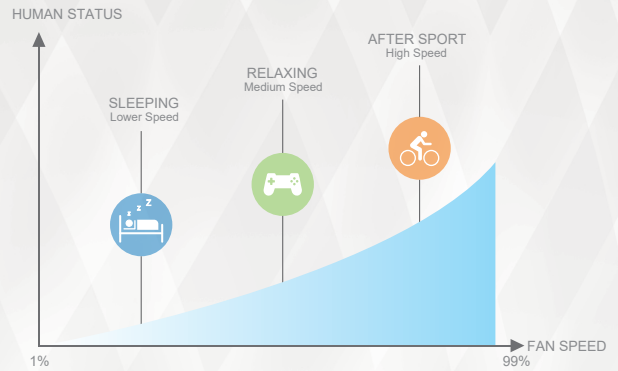
● Clean

"Clean" function can be operated when the air conditioner is OFF, the fan will run at medium speed for 10 minutes to dry the heat exchanger and avoid mildew.



● Stepless Fan Speed

The fan motor speed is stepless with minimum adjustment of 1%.



● Fashion Cylindrical Appearance Design

● High sensitivity touch control

All hidden LED display with high sensitive touch control function, response even if your finger is 1cm away from the panel.

● New classical floor standing

Integrated large front panel, simple and fashion in color.



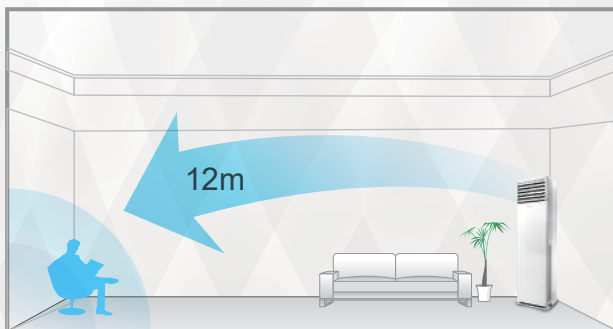
● 3D air swing, cool air for all corners

Optimized design for air deflectors, with 90° vertical angle and 120° horizontal angle respectively.



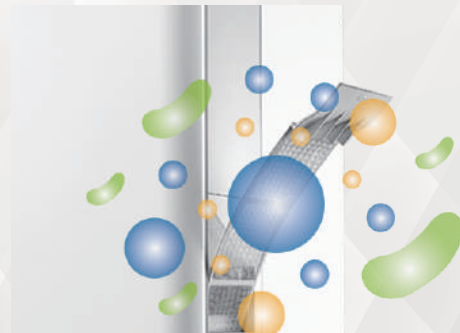
● Long distance air supply

With bigger centrifugal fan blades and powerful fan motor, the air supply distance is up to 12 meters.



● Easy-clean air filters

Air filters are easy to remove and clean.



ART Series R32 50/60Hz Inverter

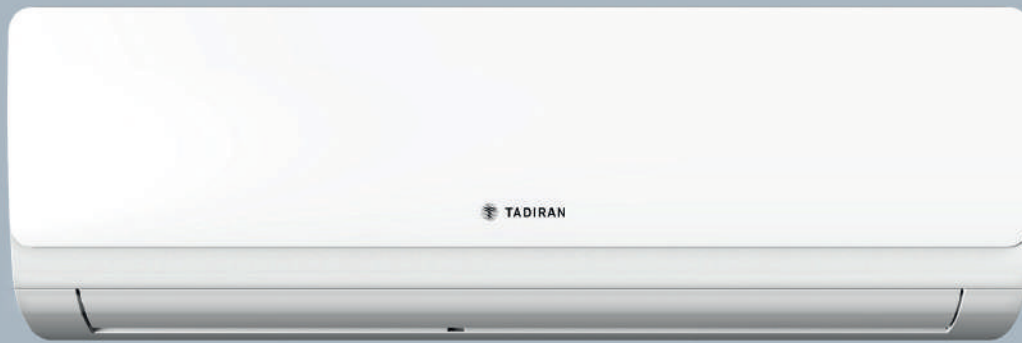
Model Name			ART inverter 9R	ART inverter 12R
Function			Heat Pump	Heat Pump
Capacity	Cooling	BTU/h	8871	11942
	Heating	BTU/h	9554	12454
Capacity range	Cooling	BTU/h	1365~11260	1877~13648
	Heating	BTU/h	1365~13989	2047~17504
PdesignC		kW	2.6	3.5
PdesignH		kW	2.6	3.2
EER/COP		W/W	4.0/3.94	4.0/3.90
Energy level			A+++/A++	A+++/A++
Power Supply		Ph,V,HZ	1ph,220V-240V,50/60Hz	1ph,220V-240V,50/60Hz
Power Input	Cooling	W	650	875
	Heating	W	710	975
Rated Current	Cooling	A	3.6	4.8
	Heating	A	3.4	4.4
	Refrigerant		R32	R32
	Airflow Volume	m³/h	520/440/230/150	580/500/300/230
Indoor Unit	Sound Pressure Level	dB(A)(SH/H/M/L)	38/34/21/19	40/35/22/20
	Outline Dimension	W×H×D	910x303x200	910x303x200
	Package Dimension	W×H×D	997x293x374	997x293x374
	Net Weight/Gross Weight	kg	12/15	12/15
	Sound Pressure Level	dB(A)	52	53
		Piping Connection	Gas	φ9.52
Outdoor Unit		Liquid	φ6	φ6
	Outline Dimension	W×H×D	830X540X325	890X598X372
	Package Dimension	W×H×D	879×605×366	941x663x412
	Net Weight/Gross Weight	kg	30/32.5	38/41
Loading Quantity		40'GP	sets	204
		40'HQ	sets	170
				230
				194





● ALPHA Series R32 50Hz Inverter

Model Name			ALPHA inverter 9R	ALPHA inverter 12R	ALPHA inverter 18R	ALPHA inverter 24R
Function			Heat Pump	Heat Pump	Heat Pump	Heat Pump
Capacity	Cooling	BTU/h	8530	11601	17981	22007
	Heating	BTU/h	9554	12283	18766	22519
Capacity range	Cooling	BTU/h	1365~9895	1877~13307	3412~22860	4777~23884
	Heating	BTU/h	1365~11260	2047~14330	3753~23202	5118~26955
PdesignC		kW	2.5	3.4	5.2	6.4
PdesignH		kW	2.5	3.0	5.0	6.2
SEER/SCOP		W/W	6.1/4.0	6.1/4.0	6.3/4.0	6.4/4.0
Energy level			A++/A+	A++/A+	A++/A+	A++/A+
Power Supply		Ph,V,Hz	1ph,220V-240V,50Hz	1ph,220V-240V,50Hz	1ph,220V-240V,50Hz	1ph,220V-240V,50Hz
Power Input	Cooling	W	750	1020	1540	1840
	Heating	W	775	995	1480	1750
Rated Current	Cooling	A	3.3	4.5	7	8.9
	Heating	A	3.4	4.4	6.3	8.4
Refrigerant			R32	R32	R32	R32
Airflow Volume		m³/h	520/440/230/150	550/470/250/180	850/720/610/520	1150/1050/950/850
Indoor Unit	Sound Pressure Level	dB(A)(SH/H/M/L)	40/36/24/19	41/37/25/20	46/42/39/36	48/45/42/39
	Outline Dimension	W×H×D mm	821x283x200	821x283x200	972x302x224	1081x327x248
Package Dimension	W×H×D mm	898x291x353	898x291x353	1047x314x377	1158x352x413	
Net Weight/Gross Weight		kg	9.0/11	9.0/11	13/15.5	16/19
Sound Pressure Level		dB(A)	52	53	55	59
	Piping Connection	Gas	φ9.52	φ9.52	φ12	φ16
Outdoor Unit		Liquid	φ6	φ6	φ6	φ6
	Outline Dimension	W×H×D mm	830X540X325	830X540X325	890x598x372	960×700×396
Package Dimension	W×H×D mm	879×605×366	879×605×366	941×663×412	1011×763×455	
Net Weight/Gross Weight		kg	27/29.5	29/31.5	40/43	43.5/47
Loading Quantity	40'GP	sets	227	227	164	120
	40'HQ	sets	255	243	186	135



● SUPREME Series

Model Name			SUPREME inverter 9R	SUPREME inverter 12R	SUPREME inverter 18R	SUPREME inverter 24R
Function			Heat Pump	Heat Pump	Heat Pump	Heat Pump
Capacity	Cooling	BTU/h	8871	11942	17504	22007
	Heating	BTU/h	9554	13648	17981	22519
Capacity range	Cooling	BTU/h	1365~11260	1877~13648	3412~22860	4777~23884
	Heating	BTU/h	1365~13989	2047~17504	3753~23202	5118~26955
PdesignC		kW	2.6	3.5	5.2	6.4
PdesignH		kW	2.6	3.2	5.0	6.2
SEER/SCOP		W/W	6.7/4.0	6.5/4.0	6.3/4.0	6.4/4.0
Energy level			A++/A+	A++/A+	A++/A+	A++/A+
Power Supply		Ph,V,Hz	1ph,220V-240V,50Hz	1ph,220V-240V,50Hz	1ph,220V-240V,50Hz	1ph,220V-240V,50Hz
Power Input	Cooling	W	750	1010	1540	1840
	Heating	W	745	970	1480	1750
Rated Current	Cooling	A	3.6	4.8	7.0	8.9
	Heating	A	3.4	4.4	6.3	8.4
	Refrigerant		R32	R32	R32	R32
	Airflow Volume	m³/h	520/440/230/150	580/500/300/230	850/760/570/480	1090/930/670/560
Indoor Unit	Sound Pressure Level	dB(A)(SH/H/M/L)	39/34/21/19	40/35/22/20	47/44/31/29	48/44/35/33
	Outline Dimension	W×H×D mm	821x283x200	884x298x205	1003x310x222	1109x331x250
	Package Dimension	W×H×D mm	898x291x353	951x298x369	1080x314x383	1181x354x417
	Net Weight/Gross Weight	kg	9.5/11.5	10.5/12.5	14/16.5	16.5/19.5
	Sound Pressure Level	dB(A)	52	53	55	59
Outdoor Unit	Piping Connection	Gas mm	φ9.52	φ9.52	φ12	φ16
		Liquid mm	φ6	φ6	φ6	φ6
	Outline Dimension	W×H×D mm	830X540X325	830X540X325	890x598x372	960×700×396
	Package Dimension	W×H×D mm	879×605×366	879×605×366	941×663×412	1011×763×455
	Net Weight/Gross Weight	kg	29/32	30/33	40/43	43.5/48
Loading Quantity		40'GP sets	224	205	162	116
		40'HQ sets	249	242	182	130



ALPHA SERIES



- | | | | | | | | | | |
|---|---|---|---|--|--|--|--|--|--|
| 
Sleep Mode | 
I Feel | 
Turbo | 
Dry Anti-Mildew Design | 
Anti-Cold Air | 
Anti-Corrosion | 
Auto Defrosting | 
LED Display | 
Timer | 
Clock |
| 
Child Lock | 
Auto Restart | 
Self-Diagnosis | 
Filter Cleaning reminder | 
0.5W Standby | | | | | |
| 
Low Ambient Cooling-15°C | 
Low Ambient Heating-15°C | 
Golden Fins | 
Healthy Filters | 
Cold Plasma | 
Horizontal Swing | 
Low Voltage Startup | | | |

Functions: ● Standard ● Optional

● ALPHA Series (Inverter,EU, A++/A+)

Model Name			ALPHA inverter 9A	ALPHA inverter 12A	ALPHA inverter 18A	ALPHA inverter 24A	
Function			Heat Pump	Heat Pump	Heat Pump	Heat Pump	
Capacity	Cooling	BTU/h	8870	11940	17500	22000	
	Pdesign(C)	BTU/h	8870	11940	17400	21840	
	Heating	BTU/h	9550	12450	17980	22520	
	Pdesign(H)	BTU/h	8870	10240	13990	17740	
Capacity range	Cooling	BTU/h	1360~11260	1880~13650	3410~22860	4780~23880	
	Heating	BTU/h	1360~14000	2050~17500	3750~23200	5120~26960	
EER/COP		W/W	3.23/3.71	3.23/3.71	3.25/3.71	3.23/3.71	
SEER/SCOP		W/W	6.15/4.06	6.15/4.06	6.12/4.06	6.12/4.06	
Power Supply		Ph,V,Hz	1 Ph,220-240V,50Hz	1 Ph,220-240V,50Hz	1 Ph,220-240V,50Hz	1 Ph,220-240V,50Hz	
Power Input	Cooling	W	805	1085	1580	2000	
	Heating	W	755	985	1420	1780	
Rated Current	Cooling	A	6.34	6.92	10.91	12.42	
	Heating	A	6.88	7.32	10.2	11.09	
Refrigerant			R410A	R410A	R410A	R410A	
Indoor Unit	Airflow Volume		m³/h	560/490/430/330	660/540/460/330	800/720/610/520	1150/1050/950/850
	Sound Pressure Level		dB(A)(SH/H/M/L)	39/34/32/26	42/38/33/27	46/42/39/36	48/45/42/39
	Outline Dimension	W×H×D	mm	792×279×195	850×291×203	972×302×224	1081×327×248
	Package Dimension	W×H×D	mm	871×290×352	930×297×368	1047×314×377	1158×352×413
	Net Weight/Gross Weight		kg	9/11.5	10/12.5	13.5/16.5	16/19.5
Outdoor Unit	Sound Pressure Level		dB(A)	52	53	56	60
	Piping Connection	Gas	mm	φ9.52	φ9.52	φ12	φ16
		Liquid	mm	φ6	φ6	φ6	φ6
	Outline Dimension	W×H×D	mm	830×540×325	830×540×325	960×700×396	960×700×396
	Package Dimension	W×H×D	mm	879×605×366	879×605×366	1011×763×455	1011×763×455
Net Weight/Gross Weight		kg	29/32	30/33	43/47.5	43.5/48	
Loading Quantity	40'GP		sets	227	208	128	120
	40'HQ		sets	255	243	150	135

● ALPHA Series (ON-OFF, Normal Efficiency)

Model Name			ALPHA 9A	ALPHA 12A	ALPHA 18A	ALPHA 24A	
Function			Heat Pump	Heat Pump	Heat Pump	Heat Pump	
Capacity	Cooling	BTU/h	8871	11942	18000	22000	
	Heating	BTU/h	8871	11942	18000	22000	
EER/COP		W/W	3.21/3.61	3.21/3.6	3.22/3.61	3.21/3.61	
Power Supply		Ph,V,Hz	1 Ph,220-240 V,50 Hz	1 Ph,220-240 V,50 Hz	1 Ph,220-240 V,50 Hz	1 Ph,220-240 V,50 Hz	
Power Input	Cooling	W	810	1095	1640	2010	
	Heating	W	720	975	1460	1785	
Rated Current	Cooling	A	3.9	4.85	7.3	10.5	
	Heating	A	3.3	4.2	6.5	9.85	
Refrigerant			R410A	R410A	R410A	R410A	
Indoor Unit	Airflow Volume		m³/h	500/400/390/320	500/450/410/320	900/840/800/770	900/840/800/770
	Sound Pressure Level		dB(A)(SH/H/M/L)	37/34/28/23	39/36/31/26	48/45/40/35	48/44/40/36
	Outline Dimension	W×H×D	mm	743×278×194	821×283×200	1003×310×222	1003×310×222
	Package Dimension	W×H×D	mm	822×291×353	898×291×353	1080×314×383	1080×314×383
	Net Weight/Gross Weight		kg	9/11	10/12.5	13.5/16	14/16.5
Outdoor Unit	Sound Pressure Level		dB(A)	48	52	50	55
	Piping Connection	Gas	mm	φ9.52	φ12	φ12	φ16
		Liquid	mm	φ6	φ6	φ6	φ6
	Outline Dimension	W×H×D	mm	729×431×318	830×540×325	830×540×325	960×700×396
	Package Dimension	W×H×D	mm	774×492×351	879×605×366	879×605×366	1011×763×455
Net Weight/Gross Weight		kg	24.5/27	29.5/32.5	37.5/40.5	47/51	
Loading Quantity	40'GP		sets	300	227	185	128
	40'HQ		sets	336	255	213	150



STYLE series

-  Sleep Mode
-  I Feel
-  Turbo
-  Horizontal Swing
-  Dry Anti-Mildew Dsign
-  Anti-Cold Air
-  Anti-Corrosion
-  Auto Defrosting
-  LED Display
-  Timer
-  Clock
-  Child Lock
-  Auto Restart
-  Self-Diagnosis
-  Filter Cleaning reminder
-  Low Ambient Cooling-15°C
-  Low Ambient Heating-15°C
-  Healthy Filters
-  Cold Plasma

Functions: ● Standard ● Optional

● STYLE Series Inverter, Heat Pump

Model Name			STYLE inverter 48A	
Function			Heat Pump	
Capacity	Cooling	BTU/h	48000	
	Heating	BTU/h	48000	
EER/COP		W/W	3.0/3.46	
Power Supply		Ph,V,Hz	3 Ph,380-415 V,50 Hz	
Power Input	Cooling	W	4670	
	Heating	W	4050	
Rated Current	Cooling	A	8.41	
	Heating	A	7.30	
Refrigerant			R410A	
Indoor Unit	Airflow Volume		m ³ /h	1850
	Sound Pressure Level		dB(A)	44-50
	Outline Dimension	W×H×D	mm	1890X 388 X582
	Package Dimension	W×H×D	mm	2026x 537 x708
	Net Weight/Gross Weight		kg	58/68
Outdoor Unit	Sound Pressure Level		dB(A)	60
	Piping Connection	Gas	mm	φ16
		Liquid	mm	φ9.52
	Outline Dimension	W×H×D	mm	1020x1350x396
	Package Dimension	W×H×D	mm	1101x1500x448
	Net Weight/Gross Weight		kg	99/109
Loading Quantity	40'GP	sets	36	
	40'HQ	sets	43	

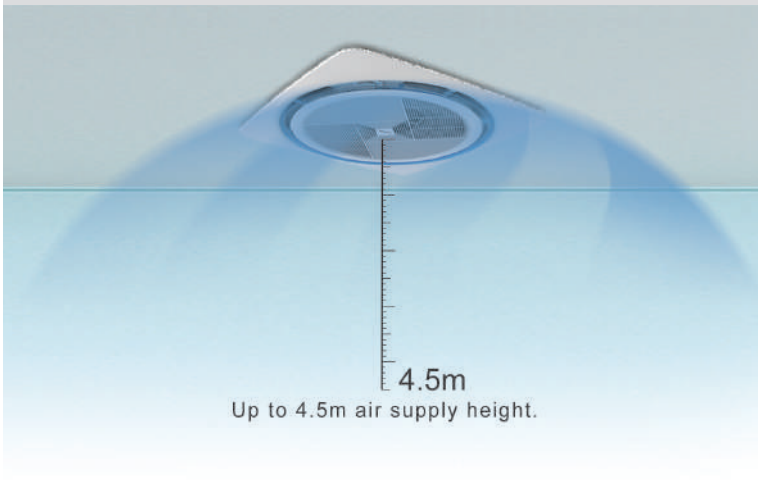
● STYLE Series ON-OFF, Heat Pump

Model Name			STYLE 48A	
Function			Heat Pump	
Capacity	Cooling	BTU/h	48000	
	Heating	BTU/h	50000	
EER/COP		W/W	2.8/2.87	
Power Supply		Ph,V,Hz	3 Ph,380-415 V,50 Hz	
Power Input	Cooling	W	5050	
	Heating	W	5100	
Rated Current	Cooling	A	8.7	
	Heating	A	8.8	
Refrigerant			R410A	
Indoor Unit	Airflow Volume		m ³ /h	2000
	Sound Pressure Level		dB(A)	44-50
	Outline Dimension	W×H×D	mm	1890 x 388 x582
	Package Dimension	W×H×D	mm	2026x 537 x708
	Net Weight/Gross Weight		kg	62/72
Outdoor Unit	Sound Pressure Level		dB(A)	60
	Piping Connection	Gas	mm	φ19
		Liquid	mm	φ12
	Outline Dimension	W×H×D	mm	1020x1350x396
	Package Dimension	W×H×D	mm	1101x1500x448
	Net Weight/Gross Weight		kg	103/115
Loading Quantity	40'GP	sets	36	
	40'HQ	sets	43	



Light Commercial Air Conditioners

● Strong Air Flow



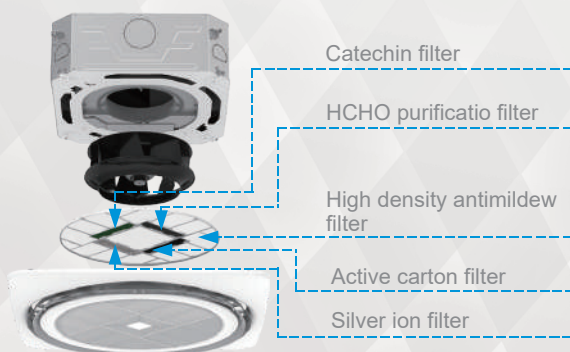
● Fresh Air Hole Design

The unit can meet fresh air installation requirement with its two provided fresh air holes. The fresh air volume is free adjustable from 0 to 20% that you can enjoy the natural fresh air with the window closed.



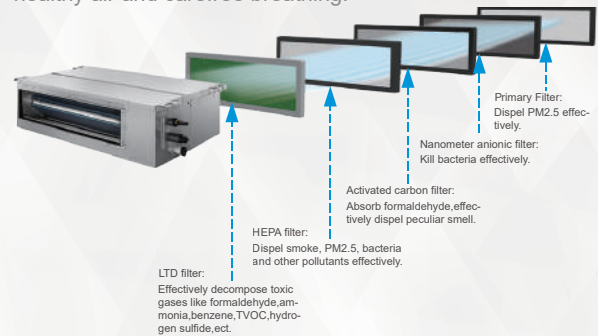
● Air Purification System

Multiple layers of air filters are available with clean remind and automatic clean, which constantly offer you healthy air.



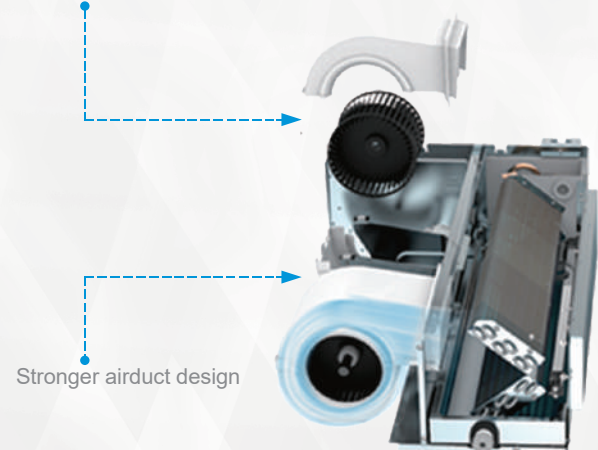
● High Efficiency Purification Filters

5 types of high efficiency purification filters: the users can choose anyone of them as their actual needs to enjoy healthy air and carefree breathing.



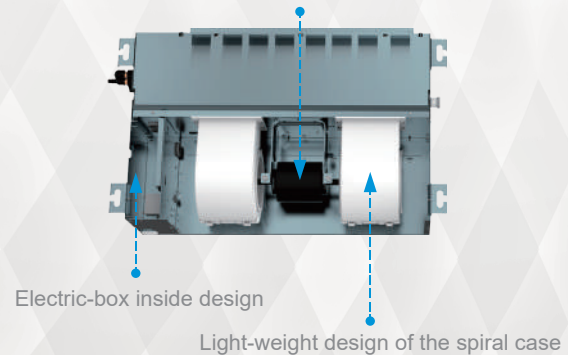
● Stronger Air Volume

Large centrifugal motor diameter ensures high air volume while reducing speed at the same time.



● Lower Noise

Mute motor is suitable to the new type motor bracket design, the product is running to reduce excessive vibration.





Cassette series



Sleep Mode



Turbo



Dry Anti-Mildew
Design



Anti-Cold Air



Anti-Corrosion



Auto Defrosting



LED Display



Timer



Clock



Child Lock



Auto Restart



Self-Diagnosis



0.5W Standby



Low Ambient
Cooling-15°C



Low Ambient
Heating-15°C



Golden Fins



Healthy Filters



Low Voltage
Startup



Filter Cleaning
reminder



I Feel



Door Control



Central Control

Functions: ● Standard ● Optional



DC Inverter,EU, A++/A+

Model				CASSETTE inverter 18	CASSETTE inverter 24	CASSETTE inverter 36	
Function				Heat Pump	Heat Pump	Heat Pump	
Capacity	Cooling			Btu/h	18000	24000	36000
	Pdesign (C)			Btu/h	18000	24000	36000
	Heating			Btu/h	18800	24000	36000
	Pdesign (H)			Btu/h	18800	18800	36000
Capacity Range	Cooling			Btu/h	3600~21600	4800~28800	7200~43200
	Heating			Btu/h	3760~22560	4800~28800	7200~43200
SEER /SCOP				W/W	6.1/4.0	6.1/4.0	6.1/4.0
Power Supply				Ph,V,Hz	1Ph,220~240V,50Hz	1Ph,220~240V,50Hz	3Ph,380~415V,50Hz
Power Input	Cooling			W	1250	2230	3280
	Heating			W	1600	1840	2630
Rated Current	Cooling			A	5.43	9.7	5.91
	Heating			A	6.96	8.0	4.74
Refrigerant				R410A / R32		R410A / R32	R410A
Indoor Unit	Air Flow Volume			m ³ /h	1250	1250	2000
	Sound Pressure Level			dB (A)	42/39/36	42/39/36	53/49/44
	Outline Dimension	Body	W×H×D	mm	840×225×840	840×225×840	840×300×840
		Panel	W×H×D	mm	950×65×950	950×65×950	950×65×950
	Package Dimension	Body	W×H×D	mm	978×294×952	978×294×952	978×364×952
		Panel	W×H×D	mm	1047×135×1047	1047×135×1047	1047×135×1047
	Net Weight / Gross Weight	Body	W×H×D	kg	27.5/32	27.5/32	33/39
		Panel	W×H×D	kg	8/10.5	8/10.5	8/10.5
Outdoor Unit	Sound Pressure Level			dB (A)	60	60	59
	Piping Connection	Gas		mm	φ12	φ16	φ16
		Liquid		mm	φ6	φ6	φ9.52
	Outline Dimension	W×H×D		mm	960×700×396	960×700×396	1020×998×396
	Package Dimension	W×H×D		mm	1011×763×455	1011×763×455	1101×1075×448
	Net Weight / Gross Weight			kg	46/50.5	46/50.5	75/79.5
Loading Quantity	40' GP		Sets	79	79	56	
	40' HQ		Sets	89	89	67	

DC Inverter,EU, A++/A+

Model				CASSETTE inverter 42	CASSETTE inverter 48	CASSETTE inverter 60	
Function				Heat Pump	Heat Pump	Heat Pump	
Capacity	Cooling			Btu/h	42000	48000	60000
	Pdesign (C)			Btu/h	42000	48000	60000
	Heating			Btu/h	42000	48000	60000
	Pdesign (H)			Btu/h	42000	35800	40900
Capacity Range	Cooling			Btu/h	8400~50400	9600~57600	12000~72000
	Heating			Btu/h	8400~50400	9600~57600	12000~72000
SEER /SCOP				W/W	6.1/4.0	5.6/4.0	5.6/4.0
Power Supply				Ph,V,Hz	3Ph,380~415V,50Hz	3Ph,380~415V,50Hz	3Ph,380~415V,50Hz
Power Input	Cooling			W	3950	4850	5600
	Heating			W	3350	3850	4700
Rated Current	Cooling			A	7.12	8.74	10.09
	Heating			A	6.04	6.94	8.47
Refrigerant				R410A		R410A	R410A
Indoor Unit	Air Flow Volume			m ³ /h	2000	2100	2100
	Sound Pressure Level			dB (A)	53/49/44	53/49/44	53/49/44
	Outline Dimension	Body	W×H×D	mm	840×300×840	840×300×840	840×300×840
		Panel	W×H×D	mm	950×65×950	950×65×950	950×65×950
	Package Dimension	Body	W×H×D	mm	978×364×952	978×364×952	978×364×952
		Panel	W×H×D	mm	1047×135×1047	1047×135×1047	1047×135×1047
	Net Weight / Gross Weight	Body	W×H×D	kg	33/39	35/41	35/41
		Panel	W×H×D	kg	8/10.5	8/10.5	8/10.5
Outdoor Unit	Sound Pressure Level			dB (A)	59	60	61
	Piping Connection	Gas		mm	φ16	φ16	φ19
		Liquid		mm	φ9.52	φ9.52	φ9.52
	Outline Dimension	W×H×D		mm	1020×998×396	1020×1350×396	1020×1350×396
	Package Dimension	W×H×D		mm	1101×1075×448	1101×1500×448	1101×1500×448
	Net Weight / Gross Weight			kg	75/79.5	99/109	110/120
Loading Quantity	40' GP		Sets	56	46	46	
	40' HQ		Sets	67	52	52	

Ducted series



Sleep Mode



Turbo



Dry Anti-Mildew Design



Anti-Cold Air



Anti-Corrosion



Auto Defrosting



Timer



Clock



Child Lock



Auto Restart



Self-Diagnosis



0.5W Standby



Low Ambient Cooling-15°C



Low Ambient Heating-15°C



Golden Fins



Healthy Filters



Low Voltage Startup



Filter Cleaning reminder



I Feel



Door Control



Central Control



LED Display

Functions: ● Standard ● Optional

DC Inverter,EU, A++/A+

Model Name			DUCTED Inverter 12	DUCTED Inverter 18	DUCTED Inverter 24	DUCTED Inverter 36	
Function			Heat Pump	Heat Pump	Heat Pump	Heat Pump	
Capacity	Cooling	BTU/h	12000	18000	24000	36000	
	Pdesign (C)	BTU/h	12000	18000	24000	36000	
	Heating	BTU/h	12000	18000	24000	36000	
	Pdesign (H)	BTU/h	10200	14000	18800	36000	
Capacity range	Cooling	BTU/h	2400~14400	3600~21600	4800~28800	7200~43200	
	Heating	BTU/h	2400~14400	3600~21600	4800~28800	7200~43200	
SEER/SCOP		WW	6.1/4.0	6.1/4.0	6.1/4.0	6.1/4.0	
Power Supply		Ph,V,Hz	1Ph,220~240V,50Hz	1Ph,220~240V,50Hz	1Ph,220~240V,50Hz	3Ph,380~415V,50Hz	
Power Input	Cooling	W	1080	1560	2230	3500	
	Heating	W	980	1330	1840	3500	
Rated Current	Cooling	A	4.70	6.78	9.70	6.31	
	Heating	A	4.26	5.78	8.00	4.74	
Refrigerant			R410A / R32	R410A / R32	R410A / R32	R410A	
Indoor Unit	Airflow Volume		m³/h	800	920	1300	2000
	ESP Rated		pa	25	25	25	37
	ESP Range		pa	0~25	0~25	0~25	0~37
	Sound Pressure Level		dB(A)(SH/H/ML)	40/31/28	42/39/36	42/38/35	54/47/45/43
	Outline Dimension	W×H×D	mm	1000×200×450	1000×200×450	1300×200×450	1430×280×715
	Package Dimension	W×H×D	mm	1188×266×539	1188×266×539	1489×266×539	1523×350×816
	Net Weight/Gross Weight		kg	23/26	23/26	27/31	48/53
Outdoor Unit	Sound Pressure Level		dB(A)	53	58	60	59
	Piping Connection	Gas	mm	φ9.52	φ12	φ16	φ16
		Liquid	mm	φ6	φ6	φ6	φ9.52
	Outline Dimension	W×H×D	mm	830×540×325	960×700×396	960×700×396	1020×998×396
	Package Dimension	W×H×D	mm	879×605×366	1011×763×455	1011×763×455	1101×1075×448
	Net Weight/Gross Weight		kg	30/33	44/48.5	46/50.5	75/79.5
Loading Quantity	40'GP		sets	165	116	106	56
	40'HQ		sets	192	130	120	66

DC Inverter,EU, A++/A+

Model Name			DUCTED Inverter 42	DUCTED Inverter 48	DUCTED Inverter 60	
Function			Heat Pump	Heat Pump	Heat Pump	
Capacity	Cooling	BTU/h	42000	48000	60000	
	Pdesign (C)	BTU/h	42000	48000	60000	
	Heating	BTU/h	42000	48000	60000	
	Pdesign (H)	BTU/h	42000	35800	40900	
Capacity range	Cooling	BTU/h	8400~50400	9600~57600	12000~72000	
	Heating	BTU/h	8400~50400	9600~57600	12000~72000	
SEER/SCOP		WW	6.1/4.0	5.6/4.0	5.6/4.0	
Power Supply		Ph,V,Hz	3Ph,380~415V,50Hz	3Ph,380~415V,50Hz	3Ph,380~415V,50Hz	
Power Input	Cooling	W	4200	5100	5900	
	Heating	W	4200	5100	5900	
Rated Current	Cooling	A	7.57	8.4	10.63	
	Heating	A	7.57	8.4	10.63	
Refrigerant			R410A	R410A	R410A	
Indoor Unit	Airflow Volume		m³/h	2150	2150	2150
	ESP Rated		pa	37	50	50
	ESP Range		pa	0~37	0~50	0~50
	Sound Pressure Level		dB(A)(SH/H/ML)	54/47/45/43	54/47/45/43	54/47/45/43
	Outline Dimension	W×H×D	mm	1430×280×715	1430×280×715	1430×280×715
	Package Dimension	W×H×D	mm	1523×350×816	1523×350×816	1523×350×816
	Net Weight/Gross Weight		kg	48/53	48/53	48/53
Outdoor Unit	Sound Pressure Level		dB(A)	59	60	61
	Piping Connection	Gas	mm	φ16	φ16	φ19
		Liquid	mm	φ9.52	φ9.52	φ9.52
	Outline Dimension	W×H×D	mm	1020×998×396	1020×1350×396	1020×1350×396
	Package Dimension	W×H×D	mm	1101×1075×448	1101×1500×448	1101×1500×448
	Net Weight/Gross Weight		kg	75/79.5	99/109	106/116
Loading Quantity	40'GP		sets	56	50	50
	40'HQ		sets	66	52	52

Multi Split



Sleep Mode



I Feel



Turbo



Anti-Mildew Design



Anti-Cold Air



Anti-Corrosion



Auto Defrosting



LED Display



Timer



Clock



Child Lock



Auto Restart



Self-Diagnosis



Filter Cleaning reminder



Low Voltage Startup



0.5W Standby



Low Ambient Cooling-15°C



Low Ambient Heating-15°C



Golden Fins



Healthy Filters



Cold Plasma

R410A R32

Functions: ● Standard ● Optional

◎ R32 Multi Series (Outdoor Unit)

Model			MULTI inverter 1:2R	MULTI inverter 1:3R	MULTI inverter 1:4AR	MULTI inverter 1:4BR	MULTI inverter 1:5R
Function			Heat Pump	Heat Pump	Heat Pump	Heat Pump	Heat Pump
Capacity	Cooling	Btu/h	17742	23884	27978	35826	41285
	Heating	Btu/h	17742	23884	27978	35826	41285
SEER / SCOP		W/W	6.1/4.0	6.1/4.0	6.1/4.0	6.1/4.0	5.6/4.0
Power Supply		Ph,V,Hz	1Ph,220~240V,50Hz	1Ph,220~240V,50Hz	1Ph,220~240V,50Hz	1Ph,220~240V,50Hz	1Ph,220~240V,50Hz
Energy Level			A++/A+	A++/A+	A++/A+	A++/A+	A+/A+
Power Input	Cooling	W	1400	1900	2300	3600	4500
	Heating	W	1250	1700	2100	3200	4200
Rated Current	Cooling	A	11.09	14.64	10.2	15.81	19.76
	Heating	A	9.98	14.20	9.32	14.05	18.45
Refrigerant			R32	R32	R32	R32	R32
Sound Pressure Level		dB (A)	54	55	55	58	58
Piping Connection	Liquid/Gas	mm	φ6/φ9.52	φ6/φ9.52	φ6/φ9.52	φ6/φ9.52	φ6/φ9.52
		mm	φ6/φ9.52	φ6/φ9.52	φ6/φ9.52	φ6/φ9.52	φ6/φ9.52
		mm	-	φ6/φ9.52	φ6/φ9.52	φ6/φ12.7	φ6/φ12.7
		mm	-	-	φ6/φ9.52	φ6/φ15.9	φ6/φ12.7
		mm	-	-	-	-	-
Outline Dimension		W×H×D mm	960×700×396	990×790×426	990×426×790	1020×396×997	1020×396×997
Package Dimension		W×H×D mm	1014×763×455	1057×479×832	1054×479×832	1098×445×1028	1098×445×1028
Net Weight / Gross Weight		kg	45/48.5	55/60	64/69	84/94	85/95
Loading Quantity	40' GP	Sets	171	96	96	104	104
	40' HQ	Sets	171	144	144	104	104

◎ R410A Multi Series (Outdoor Unit)

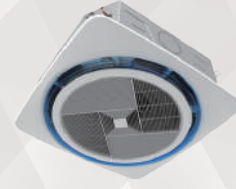
Model			MULTI inverter 1:2A	MULTI inverter 1:3A	MULTI inverter 1:4A	MULTI inverter 1:4B	MULTI inverter 1:5A
Function			Heat Pump	Heat Pump	Heat Pump	Heat Pump	Heat Pump
Capacity	Cooling	Btu/h	18000	24000	28000	36000	42000
	Heating	Btu/h	18000	24000	28000	36000	42000
Capacity Range	Cooling	Btu/h	7150-20000	7800-28800	7800-33000	12000-42650	12000-46000
	Heating	Btu/h	7150-20000	7800-28800	7800-33000	12000-42650	12000-46000
SEER / SCOP		W/W	6.1/4.0	6.1/4.0	6.1/4.0	6.1/4.0	5.6/4.0
Power Supply		Ph,V,Hz	1Ph,220~240V,50Hz	1Ph,220~240V,50Hz	1Ph,220~240V,50Hz	1Ph,220~240V,50Hz	1Ph,220~240V,50Hz
Energy Level			A++/A+	A++/A+	A++/A+	A++/A+	A+/A+
Power Input	Cooling	W	1500	2050	2300	3600	4500
	Heating	W	1400	1930	2100	3200	4200
Rated Current	Cooling	A	6.65	9.05	10.15	15.85	19.85
	Heating	A	6.15	8.55	9.25	14.15	18.55
Refrigerant			R410A	R410A	R410A	R410A	R410A
Sound Pressure Level		dB (A)	54	55	55	58	58
Piping Connection	Liquid/Gas	mm	φ6/φ9.52	φ6/φ9.52	φ6/φ9.52	φ6/φ9.52	φ6/φ9.52
		mm	φ6/φ9.52	φ6/φ9.52	φ6/φ9.52	φ6/φ9.52	φ6/φ9.52
		mm	-	φ6/φ9.52	φ6/φ9.52	φ6/φ12.7	φ6/φ12.7
		mm	-	-	φ6/φ9.52	φ6/φ15.9	φ6/φ12.7
		mm	-	-	-	-	φ6/φ15.9
Outline Dimension		W×H×D mm	960×700×396	990×790×426	990×790×426	1020×997×396	1020×997×396
Package Dimension		W×H×D mm	1011×763×455	1057×855×482	1057×855×482	1101×1148×445	1101×1148×445
Net Weight / Gross Weight		kg	45/49.5	60/65	64/69	84/94	85/95
Loading Quantity	40' GP	Sets	171	96	96	104	104
	40' HQ	Sets	171	144	144	104	104

R32 / R410A

Units Combinations

Outdoor Units	Indoor units combination										
	1	2		3			4			5	
MULTI 1:2R	7K	7K+7K	7K+9K								
	9K	7K+12K	9K+9K								
	12K	9K+12K	12K+12K								
MULTI 1:3R	7K+7K	7K+9K	7K+7K+7K	7K+7K+9K	7K+7K+12K						
	7K+12K	7K+18K	7K+7K+18K	7K+9K+9K	7K+9K+12K						
	9K+9K	9K+12K	7K+9K+18K	7K+12K+12K	9K+9K+9K						
	9K+18K	12K+12K	9K+9K+12K	9K+9K+18K	9K+12K+12K						
MULTI 1:4AR	7K+7K	7K+9K	7K+7K+7K	7K+7K+9K	7K+7K+12K	7K+7K+7K+7K	7K+7K+7K+9K	7K+7K+7K+12K			
	7K+12K	7K+18K	7K+7K+18K	7K+9K+9K	7K+9K+12K	7K+7K+7K+18K	7K+7K+9K+9K	7K+7K+9K+12K			
	9K+9K	9K+12K	7K+9K+18K	7K+12K+12K	7K+12K+18K	7K+7K+9K+18K	7K+7K+12K+12K	7K+9K+9K+9K			
	9K+18K	12K+12K	9K+9K+9K	9K+9K+12K	9K+9K+18K	7K+9K+9K+12K	7K+9K+12K+12K	9K+9K+9K+9K			
	12K+18K	18K+18K	9K+12K+12K	9K+12K+18K	12K+12K+12K	9K+9K+9K+12K	9K+9K+12K+12K	-			
MULTI 1:4BR	-	-	12K+12K+18K	-	-	-	-	-			
	7K+12K	18K+24K	7K+7K+7K	7K+12K+24K	9K+18K+24K	7K+7K+7K+7K	7K+7K+12K+24K	9K+9K+9K+12K			
	7K+18K	24K+24K	7K+7K+9K	7K+18K+18K	12K+12K+12K	7K+7K+7K+9K	7K+7K+18K+18K	9K+9K+9K+18K			
	7K+24K	-	7K+7K+12K	7K+18K+24K	12K+12K+18K	7K+7K+7K+12K	7K+9K+9K+9K	9K+9K+9K+24K			
	9K+9K	-	7K+7K+18K	9K+9K+9K	12K+12K+24K	7K+7K+7K+18K	7K+9K+9K+12K	9K+9K+12K+12K			
	9K+12K	-	7K+7K+24K	9K+9K+12K	12K+18K+18K	7K+7K+7K+24K	7K+9K+9K+18K	9K+9K+12K+18K			
	9K+18K	-	7K+9K+9K	9K+9K+18K	12K+18K+24K	7K+7K+9K+9K	7K+9K+9K+24K	9K+9K+18K+18K			
	9K+24K	-	7K+9K+12K	9K+9K+24K	-	7K+7K+9K+12K	7K+9K+12K+12K	9K+12K+12K+12K			
	12K+12K	-	7K+9K+18K	9K+12K+12K	-	7K+7K+9K+18K	7K+9K+12K+18K	9K+12K+12K+18K			
	12K+18K	-	7K+9K+24K	9K+12K+18K	-	7K+7K+9K+24K	7K+9K+12K+24K	12K+12K+12K+12K			
	12K+24K	-	7K+12K+12K	9K+12K+24K	-	7K+7K+12K+12K	7K+9K+18K+18K	-			
18K+18K	-	7K+12K+18K	9K+18K+18K	-	7K+7K+12K+18K	9K+9K+9K+9K	-				
MULTI 1:5R	7K+18K	-	7K+7K+7K	7K+24K+24K	12K+18K+18K	7K+7K+7K+7K	7K+9K+9K+9K	7K+18K+18K+18K	7K+7K+7K+7K+7K	7K+7K+9K+9K+18K	7K+12K+12K+12K+12K
	7K+24K	-	7K+7K+9K	9K+9K+9K	12K+18K+24K	7K+7K+7K+9K	7K+9K+9K+12K	9K+9K+9K+9K	7K+7K+7K+7K+9K	7K+7K+9K+9K+24K	9K+9K+9K+9K+9K
	9K+12K	-	7K+7K+12K	9K+9K+12K	12K+24K+24K	7K+7K+7K+12K	7K+9K+9K+18K	9K+9K+9K+12K	7K+7K+7K+7K+12K	7K+7K+9K+12K+12K	9K+9K+9K+9K+12K
	9K+18K	-	7K+7K+18K	9K+9K+18K	18K+18K+18K	7K+7K+7K+18K	7K+9K+9K+24K	9K+9K+9K+18K	7K+7K+7K+7K+18K	7K+7K+9K+12K+18K	9K+9K+9K+9K+18K
	9K+24K	-	7K+7K+24K	9K+9K+24K	18K+18K+24K	7K+7K+7K+24K	7K+9K+12K+12K	9K+9K+9K+24K	7K+7K+7K+7K+24K	7K+7K+9K+12K+24K	9K+9K+9K+12K+12K
	12K+12K	-	7K+9K+9K	9K+12K+12K	-	7K+7K+9K+9K	7K+9K+12K+18K	9K+9K+12K+12K	7K+7K+7K+9K+9K	7K+7K+12K+12K+12K	9K+9K+12K+12K+12K
	12K+18K	-	7K+9K+12K	9K+12K+18K	-	7K+7K+9K+12K	7K+9K+12K+24K	9K+9K+12K+18K	7K+7K+7K+9K+12K	7K+7K+12K+12K+18K	-
	12K+24K	-	7K+9K+18K	9K+12K+24K	-	7K+7K+9K+18K	7K+9K+18K+18K	9K+9K+12K+24K	7K+7K+7K+9K+18K	7K+9K+9K+9K+9K	-
	18K+18K	-	7K+9K+24K	9K+18K+18K	-	7K+7K+9K+24K	7K+9K+18K+24K	9K+9K+18K+18K	7K+7K+7K+9K+24K	7K+9K+9K+9K+12K	-
	18K+24K	-	7K+12K+12K	9K+18K+24K	-	7K+7K+12K+12K	7K+12K+12K+12K	9K+12K+12K+12K	7K+7K+7K+12K+12K	7K+9K+9K+9K+18K	-
	24K+24K	-	7K+12K+18K	9K+24K+24K	-	7K+7K+12K+18K	7K+12K+12K+18K	9K+12K+12K+18K	7K+7K+7K+12K+18K	7K+9K+9K+9K+24K	-
	-	-	7K+12K+24K	12K+12K+12K	-	7K+7K+12K+24K	7K+12K+12K+24K	9K+12K+12K+24K	7K+7K+7K+12K+24K	7K+9K+9K+12K+12K	-
	-	-	7K+18K+18K	12K+12K+18K	-	7K+7K+18K+18K	7K+12K+18K+18K	12K+12K+12K+12K	7K+7K+9K+9K+9K	7K+9K+9K+12K+18K	-
-	-	7K+18K+24K	12K+12K+24K	-	7K+7K+18K+24K	7K+12K+18K+24K	12K+12K+12K+18K	7K+7K+9K+9K+12K	7K+9K+12K+12K+12K	-	

● Cassette Type (Indoor Unit)



Model			CASSETTE inverter 12	CASSETTE inverter 18S	CASSETTE inverter 18L	CASSETTE inverter 24	
Capacity	Cooling	Btu/h	12000	18000	18000	24000	
	Heating	Btu/h	12000	18000	19000	24000	
Power Supply		Ph,V,Hz	1PH,220~240V,50Hz	1PH,220~240V,50Hz	1PH,220~240V,50Hz	1PH,220~240V,50Hz	
Power Input	Cooling	W	60	73	102	102	
	Heating	W	60	73	102	102	
Rated Current	Cooling	A	0.26	0.32	0.45	0.45	
	Heating	A	0.26	0.32	0.45	0.45	
Refrigerant			R410A/R32	R410A/R32	R410A/R32	R410A/R32	
Airflow Volume		m ³ /h	700	760	1250	1250	
Sound Pressure Level		dB (A)(H/M/L)	47/44/39	47/44/39	42/39/36	42/39/36	
Piping Connection	Gas	mm	φ9.52	φ12.7	φ12.7	φ15.9	
	Liquid	mm	φ6	φ6	φ6	φ6	
Outline Dimension	Body	W×D×H	mm	570×570×260	570×570×260	840×840×225	840×840×225
	Panel	W×D×H	mm	650×650×28	650×650×28	950×950×65	950×950×65
Package Dimension	Body	W×D×H	mm	725×725×300	725×725×300	978×952×294	978×952×294
	Panel	W×D×H	mm	745×745×100	745×745×100	1047×1047×135	1047×1047×135
Net Weight / Gross Weight	Body	kg	19/22	19/22	27.5/32	27.5/32	
	Panel	kg	2.2/4	2.2/4	8/10.5	8/10.5	
Loading Quantity	40' GP	Sets	266	266	146	146	
	40' HQ	Sets	304	304	162	162	
Size		mm	Four-way Cassette 600×600		360 Round Cassette 800×800		



● Ducted Type (Indoor Unit)

Model			DUCTED inverter 9	DUCTED inverter 12	DUCTED inverter 18	DUCTED inverter 24
Capacity	Cooling	Btu/h	9000	12000	18000	24000
	Heating	Btu/h	9000	12000	18000	24000
Power Supply		Ph,V,Hz	1Ph,220~240V,50Hz	1Ph,220~240V,50Hz	1Ph,220~240V,50Hz	1Ph,220~240V,50Hz
Power Input	Cooling	W	70	90	125	135
	Heating	W	70	90	125	135
Rated Current	Cooling	A	0.31	0.4	0.55	0.60
	Heating	A	0.31	0.4	0.55	0.60
Refrigerant			R410A/R32	R410A/R32	R410A/R32	R410A/R32
Airflow Volume		m ³ /h	600	800	920	1300
ESP Rated		Pa	25	25	25	25
Sound Pressure Level		dB (A)	40/39/27/22	42/41/30/27	43/42/37/33	43/42/37/33
Piping Connection	Gas	mm	φ9.52	φ9.52	φ12.7	φ15.9
	Liquid	mm	φ6	φ6	φ6	φ6
Outline Dimension	W×H×D	mm	700×200×450	700×200×450	1000×200×450	1300×200×450
Package Dimension	W×H×D	mm	887×263×539	887×263×539	1188×263×539	1489×263×539
Net Weight / Gross Weight		kg	16.5/18.5	17/19	23/25.5	27/31
Loading Quantity	40' GP	Sets	456	456	336	256
	40' HQ	Sets	570	570	420	320



● Wall Mounted Type (Indoor Unit)

Model			ALPHA inverter 8	ALPHA inverter 9	ALPHA inverter 12	ALPHA inverter 18	ALPHA inverter 24
Capacity	Cooling	Btu/h	7165.2	8871.2	11942	17981.24	22007.4
	Heating	Btu/h	7847.6	9553.6	12453.8	18766	22519.2
Power Supply		Ph,V,Hz	1Ph,220~240V,50Hz	1Ph,220~240V,50Hz	1Ph,220~240V,50Hz	1Ph,220~240V,50Hz	1Ph,220~240V,50Hz
Power Input	Cooling	W	34	34	41	61	90
	Heating	W	34	34	41	61	90
Rated Current	Cooling	A	0.15	0.15	0.18	0.27	0.4
	Heating	A	0.15	0.15	0.18	0.27	0.4
Refrigerant			R32 / R410A	R32 / R410A	R32 / R410A	R32 / R410A	R32 / R410A
Airflow Volume		m ³ /h	480	520	580	850	1090
Sound Pressure Level		dB (A)	37/33/21/19	38/34/21/19	40/35/22/20	47/44/31/29	48/44/35/33
Piping Connection	Liquid/Gas	mm	φ6/φ9.52	φ6/φ9.52	φ6/φ9.52	φ6/φ12	φ6/φ16
Outline Dimension	W×H×D	mm	792x279x195	792x279x195	850x291x203	972x302x224	1081x327x248
Package Dimension	W×H×D	mm	871x290x352	871x290x352	930x297x368	1047x314x377	1158x352x413
Net Weight / Gross Weight		kg	7/9	7/9	7/10	7/13	7/16
Loading Quantity	40' GP	Sets	702	702	618	476	348
	40' HQ	Sets	789	789	695	544	406



● Console Type (Indoor Unit)

Model			CONSOLE inverter 9R	CONSOLE inverter 12R
Function			Heat Pump	Heat Pump
Capacity	Cooling	Btu/h	8871	11942
	Heating	Btu/h	8871	11942
Power Supply		Ph,V,Hz	1Ph,220~240V,50Hz	1Ph,220~240V,50Hz
Power Input	Cooling	W	70	90
	Heating	W	70	90
Rated Current	Cooling	A	0.31	0.4
	Heating	A	0.31	0.4
Refrigerant			R32	R32
Airflow Volume		m ³ /h	550	650
Sound Pressure Level		dB (A)	42	45
Piping Connection	Liquid/Gas	mm	φ9.52	φ9.52
		mm	φ6	φ6
Outline Dimension	W×H×D	mm	570×570×260	570×570×260
Package Dimension	W×H×D	mm	700×600×215	778×683×278
Net Weight / Gross Weight		kg	16/18.5	17/19.5
Loading Quantity	40' CP	Sets	442	442
	40' HQ	Sets	493	493



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