



Midea is my idea

**World's No.1
Air Treatment Brand**



* Source Euromonitor International (Shanghai)Limited; Consumer Appliances
22ed, retail volume sales in unit, 2021 data

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Heating and Cooling Solutions

**R32 DUCTED
SYSTEMS**



Midea is My Idea

Midea, established in 1968 is a public company listed and since July 2016 a Fortune 500 company offering one of the most comprehensive ranges in the home appliances industry. Midea specializes in air treatment (residential and commercial solutions), refrigeration, laundry, cooking appliances, small kitchen appliances, water appliances, floor care and lighting.



Midea is My Idea

Our objective is to deliver the best home solutions for every Australia family. Our home solutions are inspired by the ideas and needs of Australian consumers. Therefore, we created the slogan “Midea is My Idea”

Midea Appliances Australia

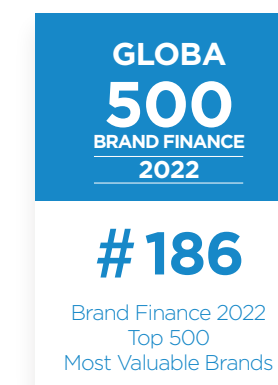
Midea Appliances Australia commenced operation in January 2019. Our current business domains include air conditioning, dishwasher, small household appliances, microwaves and ovens. While enhancing our presence in Australia, Midea Appliances Australia will continue pursuing in introducing full range of Midea products.

Local After Sales Service and Support

Midea has an established service department for all service and technical enquiries.

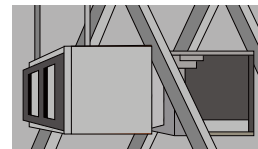
5 Year Parts and Labour Warranty

Midea Australia aims at providing high performance and quality products for the Australian market. The R32 duct system are standard with 5 years warranty including parts and labor.

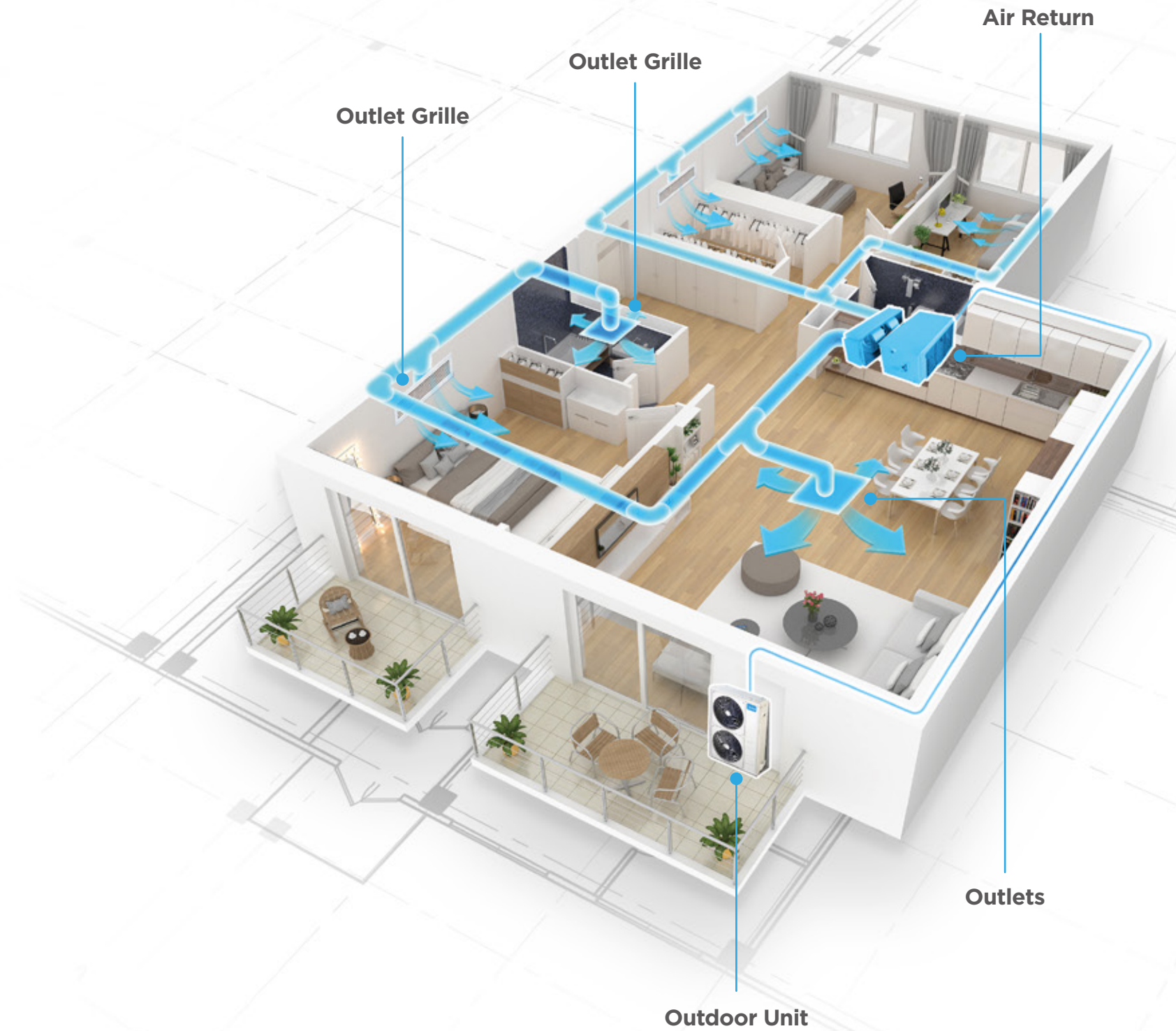
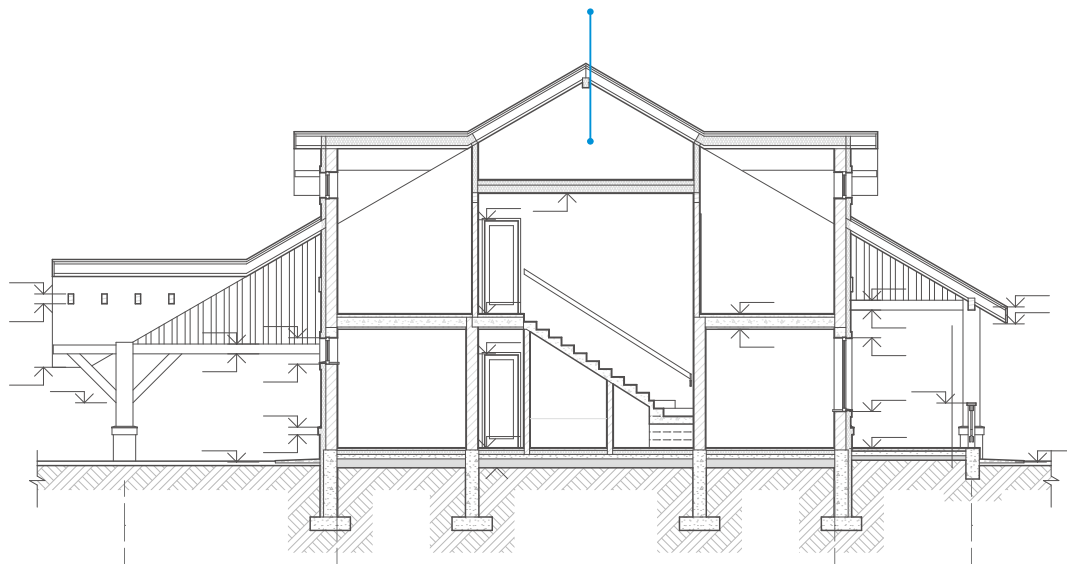


Midea Ducted Systems

Midea Ducted system can provide air conditioning through the air ducts and provide cooling or heating comfort for the whole house. Since it is concealed in the ceiling, only the wired controller and air grilles are visible inside the room. Its invisible beauty can fit harmoniously to your interior design and make your room more esthetic, bringing you more beautiful and comfortable home.



Ducted Systems



Midea Technology

01

Easy installation and Maintenance

- Split Design HSP duct indoor unit*
- Aerostic
(Constant Airflow)
- Optimized Outdoor
(Compact 7kw and Optimized 2 Fan Outdoor)
- Safer Design
 - 1.Functional Auxiliary Board
 - 2.Optimized Wire Terminals
 - 3.Standard with DR Connection Ports
 - 4.Reserved Wire Connection Holes
 - 5.Ingression Proof Metal Shield Plate

02

Reliability and High Efficiency

- Inner Groove High Efficiency Tubes
- Indoor and Outdoor Units Prime Guard
- Durable R32 GMCC Compressor
- Refrigerant Cooling
- Heating Belt for Compressors and Base Pan Heater (optional)
- Outdoor Unit Active Clean

03

Comfort and Energy Saving

- GA Genetic Algorithm Inverter
- ECO Energy Saving
- 8℃ Geating(FP)

04

Health

- I-Clean Active Clean
- Fresh Air

05

SMART

- Color Screen Wireless Network Wired Controller
- Dual Control
- Centralized Control
- Remote Control

INDOOR UNIT



OUTDOOR UNIT



Indoor Unit Technology



A6 MSP Duct

- Constant Air Volume Control
- I-clean Active Clean
- Fresh Air
- Energy Saver

Constant Air Volume Control

With constant air volume control technology, optimal air flow cools every room consistently and accurately with both short pipes and long pipes.

Fresh Air

Ducted (low profile) are equipped with fresh air intake, which can continuously brings outdoor air into the room.

I-clean Active Clean

To make the use of condensing water to clean evaporator and dry it automatically.

Energy Saver

Compared with fixed-speed air conditioners, full DC inverter air conditioners can reduce approximately 55% of power consumption in a year.

HSP Duct

- Split Design HSP Duct Indoor Unit
(Only for 17.5KW)
- Constant Air Volume Control
- I-clean Active Clean
- Energy Saver

Split Design HSP Duct Indoor Unit

With split design structure, the HSP duct indoor unit*for 17kw model only can be easily separated into coil part and fan part, and reassembled within the ceiling for installation.

This saves installation labor and make it easier for maintenance too.

Constant Air Volume Control

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Outdoor Unit Technology



Safer Design



Ice Defense:
High Efficiency Tube



Prime Guard



Durable R32
GMCC Compressor



Refrigerant Radiation
Technology



Wide Operation
Range



Outdoor Unit
Active Clean



GA Inverter
Better Comfort

Safer Design

Reserved Wire Connection Holes

Lower part reserved wire connection holes, easier for PVC tube installation of connection wires between indoor and outdoor unit.

Ingression Proof Metal Shield Plate

Ingression proof metal shield plate can prevent rats, frogs, geckoes, bugs, etc. from entering the outdoor. This will make the outdoor unit more durable.

Ice Defense: High Efficiency Tube

The increase of heat exchange area improves the efficiency of heat transfer, enabling fast heating.

Prime Guard

The unique anticorrosive golden coating on the heat exchangers can withstand the salty air, rain and other corrosive elements. It also effectively prevents bacteria from breeding and improves heat efficiency.

Durable R32 GMCC Compressor

Midea Australia R32 full DC Inverter Duct Split use GMCC R32 twin rotary compressors which adopts rare earth materials for its long term lifespan and high efficiency. About 1/3 of world AC compressors are from GMCC because of its stable quality and excellent performance. GMCC is one of the largest AC compressor manufacturers in the world.

Refrigerant Radiation Technology

The new designed refrigerant circuit radiator utilizes the refrigerant to cool down the E-Box efficiently, which can highly improve the unit reliability and performance under high ambient temperature.

Wide Operation Range

Heat Shield

Even in an environment with high temperature of up to 60°C the compressor still works well to ensure continuous cooling.

Refrigerant Radiation Technology

The new designed refrigerant circuit radiator utilizes the refrigerant to cool down the E-Box efficiently, which can highly improve the unit reliability and performance under high ambient temperature.

Ice Defense

Heating mode: Work under lowest outdoor ambient -20°C

Outdoor Unit Active Clean

The outdoor unit will reverse the fan flow direction and blow away the dust, sand, leaves, etc. on the heat exchanger of outdoor unit. This will clean the heat exchanger automatically and keep high heat exchange efficiency in the long run.

GA Inverter, Better Comfort

Incomparable Comfort Control

Full DC inverter air conditioners outperform fixed-speed air conditioners in the aspect of precision temperature control.

GA Compressor Frequency Control

The frequency of traditional air conditioner has $\pm 1^{\circ}\text{C}$ fluctuation of room of room temp during operation. However, Midea core genius inverter technology breaks away from this pattern. This technology control 0.6HZ for every Step. Its inverter frequency variation is so smooth that you wouldn't notice the room temperature $\pm 0.5^{\circ}\text{C}$ fluctuation at all.

Control Options

Wired Controller



Dual Control

The 2 wired controls connected with the same AC can be installed on different positions so that people can adjust AC settings through nearest wired controller conveniently in large space instead of moving long distance to reach the control. It needs both air conditioners and wired control have dual control function.



Centralized Controller

The XYE port on the indoor unit PCB can support centralized control through a centralized controller or BMS gateway (BACnet, LonWorks, Modbus). One centralized controller (e.g., CCM30) can control up to 64 indoor units.

Midea Extra



4.3 In LCD
Display Screen



Wireless
Network



Programmable
Weekly Timer



Group Control
Dual Control



Error Code
Display



Touch Button

Control Options

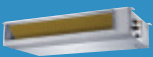


Voice Control

Based on the M-Smart Security Protocol, Midea ducted system provides wireless solutions such as MSmartHome App control and voice control options.



Features and Functions

CATEGORY	FEATURE ● standard ○ optional	DESCRIPTION	DUCTED UNITS (low profile AG)  INVERTER	DUCTED UNITS (high static MHG)  INVERTER
ECONOMY	 ECO Mode	Midea new energy-saving AC apply innovative ECO Mode, by pressing this button, AC will run into a 8-hour saving mode ,	●	●
	 GA compressor Frequency Control	The frequency of traditional air conditioner has dramatic fluctuation during operation, leading to the instability of room temperature. However, Midea air conditioners break away from this pattern with our unique GA Stepless Comfort Technology. Its inverter frequency variation is so smooth that you wouldn't notice the room temperature fluctuation at all.	●	●
	 Gear	Three operating power options 50% , 75% , 100%	○ (Depend on remote and wire controller model)	○ (Depend on remote and wire controller model)
	 8°C Heating	In heating operation, the preset temperature of the air conditioner can be set as low as 8 C, which keeps the room temperature steady at 8 C and prevents the house from freezing when it is unoccupied for a long time in sever cold weather.	○ (Depend on remote and wire controller model)	○ (Depend on remote and wire controller model)
	 Multi Outdoor Fan Speed	Due to the DC fan motor, outdoor fan speeds are increased from 2 grades to 9 grades, more comfortable and energy saving.	●	●
COMFORT	 Indoor Stepless Fan Speed	Silent mode - between 1-20% Low mode - between 21-40% Medium mode - between 41-60% High mode - between 61-80% Super high - between 81-100%** Auto - selected by system Fan speed cannot be adjusted like this in Auto or Dry operation	○ (Depend on remote and wire controller model)	○ (Depend on remote and wire controller model)
	 Follow Me	Temperature sensor built in the remote controller will sense its surrounding temperature.So the unit can adjust room temperature more accurately to give you comfort.	○ Optional (depend on the remote / wire controller)	○ Optional (depend on the remote / wire controller)
	 Turbo Mode	This function gives you a boost in cooling and heating power for a period, and makes the room cool down or heat up rapidly.	●	●
	 Power Down Memory	Revert back to last settings in the event of power outage	●	●
	 Timer	Set the unit to start and stop automatically in a 24h period.	●	●
	 Weekly Timer	Preset the operation of every day on wired controller for a period of 7 days. And this presetting will rotate over every 7 days.	○ (Depend on remote and wire controller model)	○ (Depend on remote and wire controller model)
	 Anti-Cold Air Function	Indoor fan speed is regulated automatically from the lowest grade to the setting grade according to evaporator temperature when the unit just starts heating operation.This function can prevent cold air blowing out to avoid discomfort to the users.	●	●
	 Sleep Mode	The function enables the air conditioner to automatically increase cooling or decrease heating 1C per hour for the first 2 hours, then holds steady for the next 5 hours, after that it will switch off.This function maintains both energy saving and comfort at night.	●	●
	 Fast Cool/Heat Function	Once start this function, the compressor will maximize running frequency, thus you can enjoy cooling and heating in seconds.	●	●
	 Temperature Compensation	The temperature sensed by indoor unit is always different from the actual floor temperature due to different installation heights of indoor unit. This function can revise this temperature difference to make a more accurate temperature control.	●	●
	 Independent Dehumidification	Under independent dehumidification mode, AC will efficiently dehumidify the room.	●	●
	 Auto Defrosting	Prevent evaporator from freezing and maintain dehumidifying effect under low temperature environ- ment.	●	●
	 0.5 Display	The temperature display can be accurate to 0.5 degrees.	○ (Depend on remote and wire controller model)	○ (Depend on remote and wire controller model)
	 Stream Cool Design	Outdoor Inverter PCB's are cooled by liquid refrigerant allowing for greater performace in higher ambients.	●	●
	 Prime Guard	Effectively prevent bacteria breeding and improve heat transfer efficiency. The unique anti-corrosive golden coating on the condenser can withstand the salty air rain and other corrosive elements.	●	●
	 New Fresh Air	Resever port for the new fresh air motor	●	
HEALTH	 I-Clean	Indoor unit will continue running at special combined mode blow and dry indoor evaporator after the unit switched off so as to keep clean and healthy.	●	●
	 Dual Sweep	After the air conditioner is shut down, the outdoor fan automatically reverses and uses the reverse air flow to clean the dust on the condenser, which can maintain the good heat exchange efficiency of the condenser for a long time, save energy and increase efficiency, and prolong the service life of the air conditioner.	●	●

IOT	 App Control	With the mobile phone App control, you can easily turn off the AC outside your house via smart device. Furthermore, you can turn it on before you come back.	○	○
	 AI Speaker	Support google speaker , Alexa speaker and Apple SIRI	○	○
	 Self-Diagnosis and Auto-Protection	Once abnormal operation or parts failure happen, the unit will shut off automatically to protect the system. Meanwhile it will indicate protection or error code for fast service.	●	●
	 Emergency Using Function	When temperature sensor error happens, the air conditioner will display error code and stop immediately, while Midea AC will display error and continue running in a proper status, to avoid the case that AC is in urgent need.	●	●
	 Engineer Mode	Main Functions can be changed by modifying programs of remote controller or wire controller.You can design your most comfortable settings and delete those you don't need.	●	●
CONVENIENCE	 Easy Installation	Larger wiring terminals, single screw access to indoor PCB, spirit level on mounting bracket	●	●
	 Easy Disassembly	Single screw access, fastening clips to unlatch fan module and single cable disconnect to release	●	●
	 Water Drainage Pump Build-in	Up to 750mm water lift height ,easy to drainage water from indoor to outdoor	●	●
	 Easy Clean	Full removal of indoor fan module to clean fan wheel, magnetic tracks on filter, finds its own location instead of trying to slide rails in	●	●
	 Flexible Air Intake	Rear or bottom direction air-rture installation	●	●
	 Easy Maintenance	Top or buttom maintenance	●	●
	 Front Desk Control	With a smart control board Midea air conditioners can be turned on/off via long distance control signals.	●	●
	 Central Control Management	The centralized controller is a multi-functional device that can control up to 64 indoor units within a maximum connection length of 1200m.	●	●
	 Group Control	1 wired controller can adjust the operation mode, temperature and fan speed of up to 16 indoor units together. It saves the cost and simplifies the control of multiple IDUs in big spaces where it needs even temperature. One command controls all of machines to keep them aligned.	○ (Depend on remote and wire controller model)	○ (Depend on remote and wire controller model)
	 2-Wires Wired Controller	Compared with infrared remote controller, wired controller can be fixed on the wall and avoid mislaying. It's mainly used for commercial zone and makes air conditioner control more convenient.	●	●
SAFETY	 AeroStic	The Aerostic saves installation effort and time than traditional methods. It can automatically finish ESP(External Static Pressure) match between ducted units and duct. Three simple steps and few minutes are all it needs.	●	●
	 Auto Restart Function	If the air conditioner breaks off unexpectedly due to the power cut, it will restart with the previous setting mode automatically when the power resume.	●	●
	 Low Ambient Cooling	With built-in low ambient kit or special designed PCB, outdoor fan speed can be changed automatically according to condensation temperature. The air conditioner can run cooling operation even when the outdoor ambient temperature down to 15 C.	●	●
	 Rear Net	Rear net made of steel can protect the fin & coil of outdoor unit.	●	●
	 Fire-Proof Electric Box	Electrical control box adopts new design, which can meet higher fire safety requirement to prevent the internal fire due to electric spark accident.	●	●
	 Refrigerant Leakage Detect	Indoor unit will show error code "EC" and stop automatically when refrigerant leakage is detected. This function can better protect compressor being damaged by high temperature due to refrigerant leakage.	●	●
	 Rotation & Back-Up	Two air conditioners connected to same one wired controller can follow rotation setting. It allows to preset operation time and one AC will automatically switch on after another AC runs over setting time. If one of them meets operational problems or the temperature rise too high, the back-up unit turns on automatically.	○ Optional (depend on the remote / wire controller)	○ Optional (depend on the remote / wire controller)
	 Low Voltage Operation	Lowest voltage can reach 163V	●	●
	 DR Module	When connected to a Demand Response Enabling Device, this enables the Power Supplier to control the output of you air conditiner during peak power demand periods	●	●
	 High-Efficiency Fan Blades	Improved fan air movement with lower noise output allowing for greater efficiency and greater comfort	●	●
	 T Shape Design	Stronger T shaped design on outdoor cabinet	●	●

*Functions can only be enabled using RC-EXZ3A wired controller.
FDU224KXZE1 and FDU280KXZE1 do not include built-in drain pumps.
Drain pump assembly can be purchased from MRE spare parts.
On/off timer, weekly timer and sleep timer are disabled if Wi-Fi accessory connected.Similar functions can be set via the AC Cloud application.

Product Specifications

A6 MSP Duct



Indoor			DUCMI70IB	DUCMI90IB
Outdoor			UCMI70OB	UCMI90OB
Power supply		Ph-V-Hz	220-240V,1Ph,50Hz	220-240V,1Ph,50Hz
Cooling	Capacity	KW	7.3	10.5
	Capacity range	KW	2.4-9	3.2-11.9
	Input	W	2100	3200
	Input range	W	537-2914	740-3945
	Rated current	A	9.8 (3.60-12.76)	14.5 (3.8-17.5)
	EER	W/W	3.452	3.281
	STAR(hot/average/cold)		★★★★/★★★★/★★★★	★★★★/★★★★/★★★★
Heating	Capacity	KW	7.4	11
	Capacity range	KW	1.8-10.5	3.5-13.5
	Input	W	1800	2650
	Input range	W	363-2955	480-3344
	Rated current	A	7.9 (2.47-12.92)	12.8 (3.75-14.85)
	COP	W/W	4.08	4.15
STAR(hot/average/cold)			★★★/★★★/★★	★★★★/★★★/★★
Rated Power Input		W	3400	4600
Maximum Current		A	16	21
Indoor air flow (Hi/Mi/Lo)(Some model No duct)		m3/h	1498/1298/1044	2213/1761/1173
External Static Pressure	Rated	Pa	25	37
	Range	Pa	0-160	0-160
Indoor sound power level		dB(A)	52.5	60
Indoor unit	Dimension(H*W*D)	mm	249x1100x774	249x1360x774
	Packing(H*W*D)	mm	315x1305x805	330x1570x805
	Net/Gross weight	kg	31.6/38.3	39.9/47.6
Outdoor air flow		m3/h	3800	5000
Outdoor sound pressure level		dB(A)	60	60
Outdoor sound power level		dB(A)	65	68
Throttle type		/	EXV+Throttle valve	EXV+Throttle valve
Outdoor unit	Dimension(H*W*D)	mm	673x890x342	810x946x410
	Packing (H*W*D)	mm	740x995x398	885x1090x500
	Net/Gross weight	kg	45/47.8	70.1/74.5
Refrigerant type(Units pre-charged for 5m pipe run)		kg	R32/1.75	R32/2.6
Pre-charged length		m	15	15
Additional Pre-Charge		g/m	24	24
Design pressure		MPa	4.3/1.7	4.3/1.7
Refrigerant piping	Liquid side/ Gas side	mm(inch)	9.52mm(3/8in)/15.9mm(5/8in)	9.52mm(3/8in)/15.9mm(5/8in)
	Max. refrigerant pipe length	m	50	75
	Min. refrigerant pipe length	m	3	3
	Max. difference in level	m	25	30
Supply Air Opening(H*W, ange)			16-30	175*1186
Return Air Opening(H*W, ange)			1001*228	228x1261
Room temperature	Indoor(cooling/ heating)	°C	17 ~ 32/0 ~ 30	17 ~ 32/0 ~ 30
	Outdoor(cooling/heating)	°C	0 ~ 50/-20 ~ 24	0 ~ 50/-20 ~ 24

Remark

1. Cooling: indoor temperature 27 DB/19 WB and outdoor temperature 35 DB/24 WB;Heating: indoor temperature 20 DB/15 WB and outdoor temperature 7 DB/ 6 WB
2. All the product design and speci cations are subject to change without prior notice.

HSP Duct



Indoor			DUCMI105IHB	DUCMI125IHB	DUCMI140IHB	DUCMI170IHB
Outdoor			UCMI105OB	UCMI125OB	UCMI140OB	UCMI170OB
Power supply		Ph-V-Hz	220-240V,1Ph,50Hz	220-240V,1Ph,50Hz	220-240V,1Ph,50Hz	220-240V,1Ph,50Hz
Cooling	Capacity	KW	10	12.5	14	17
	Capacity range	KW	3.2-11.9	4.2-15.8	4.2-15.8	6.8-19.5
	Input	W	3100	3550	4200	5250
	Input range	W	613-3850	1010-6450	1010-6450	1063-6450
	Rated current	A	14.2 (4.6-17)	18.2 (6.57-28.5)	18.2 (6.57-28.5)	22.5(6.8-28.5)
	EER	W/W	3.226	3.521	3.333	3.238
	STAR(hot/average/cold)		★★★★★/★★★★/★★★★	★★★★★/★★★★/★★★★	★★★★★/★★★★/★★★★	★★★★★/★★★★/★★★★
Heating	Capacity	KW	11	13	14.5	17.5
	Capacity range	KW	3.5-13.5	4.4-16.7	4.4-16.7	2.9-21.1
	Input	W	2750	3000	3750	4450
	Input range	W	2700 (490-3300)	520-5260	520-5260	600-5000
	Rated current	A	12.8 (3.3-14.7)	16.3 (3.7-23)	16.3 (3.7-23)	19.5(4.6-22.2)
	COP	W/W	4.00	4.33	3.87	3.93
	STAR(hot/average/cold)		★★★/★★★/★★	★★★/★★★/★★	★★★/★★★/★★	★★★★/★★★/★★
Rated Power Input		W	4600	7000	7000	7000
Maximum Current		A	21	31	31	31
Indoor air flow (Hi/Mi/Lo)(Some model No duct)		m3/h	2357/1753/1198	3091/2395/1430	3091/2395/1430	3800/3000/2285
External Static Pressure	Rated	Pa	37	50	50	50
	Range	Pa	0-200	0-200	0-200	0-200
Indoor sound power level		dB(A)	60.5	66	66	66
Indoor unit	Dimension(H*W*D)	mm	380x1200x625	380x1200x625	380x1200x625	440x1400x858
	Packing(H*W*D)	mm	460x1485x675	460x1485x675	460x1485x675	515x1605x910
	Net/Gross weight	kg	54/62	53.3/61.6	53.3/61.6	81.1/91.6
Outdoor air flow		m3/h	5000	7600	7600	7600
Outdoor sound pressure level		dB(A)	62	60	60	60.5
Outdoor sound power level		dB(A)	68	69.5	69.5	72.0
Throttle type		/	EXV+Throttle valve	EXV+Throttle valve	EXV+Throttle valve	EXV+Throttle valve
Outdoor unit	Dimension(H*W*D)	mm	810x946x410	1333x952x415	1333x952x415	1333x952x415
	Packing (H*W*D)	mm	885x1090x500	1480x1095x495	11480x1095x495	1480x1095x495
	Net/Gross weight	kg	70.1/74.5	95.1/109.2	95.1/109.2	95.8/110
Refrigerant type(Units pre-charged for 5m pipe run)		kg	R32/2.6	R32/3.6	R32/3.6	R32/4.0
Pre-charged length		m	15	15	15	15
Additional Pre-Charge		g/m	24	24	24	24
Design pressure		MPa	4.3/1.7	4.3/1.7	4.3/1.7	4.3/1.7
Refrigerant piping	Liquid side/ Gas side	mm(inch)	9.52mm(3/8in)/15.9mm(5/8in)	9.52mm(3/8in)/15.9mm(5/8in)	9.52mm(3/8in)/15.9mm(5/8in)	9.52mm(3/8in)/19mm(3/4in)
	Max. refrigerant pipe length	m	75	75	75	75
	Min. refrigerant pipe length	m	3	3	3	3
	Max. difference in level	m	30	30	30	30
Supply Air Opening(H*W, ange)			253x1000	253x1000	253x1000	385x1188
Return Air Opening(H*W, ange)			334x1145	334x1145	334x1145	385x1188
Room temperature	Indoor(cooling/ heating)	°C	17 ~ 32/0 ~ 30	17 ~ 32/0 ~ 30	17 ~ 32/0 ~ 30	17 ~ 32/0 ~ 30
	Outdoor(cooling/heating)	°C	0 ~ 50/-20 ~ 24	0 ~ 50/-20 ~ 24	0 ~ 50/-20 ~ 24	0 ~ 50/-20 ~ 24

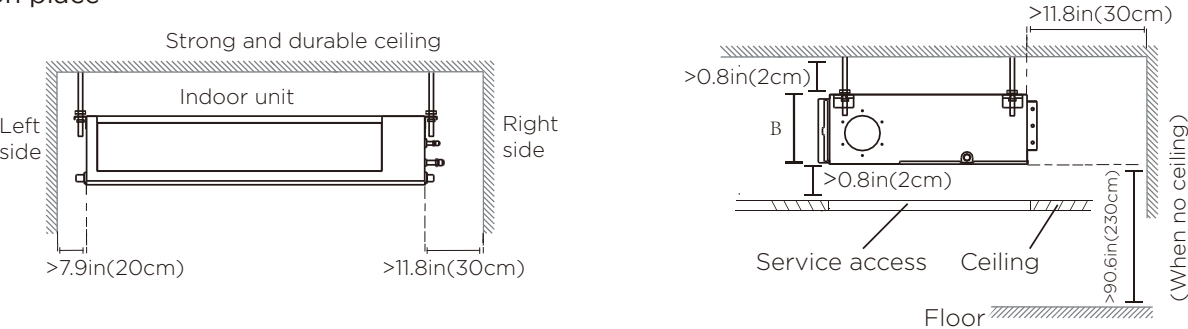
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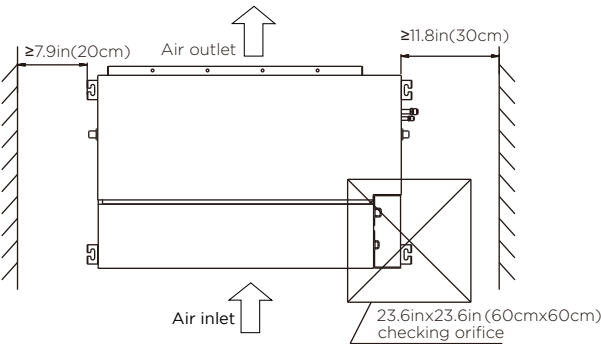
Indoor Unit Installation

A6 Duct

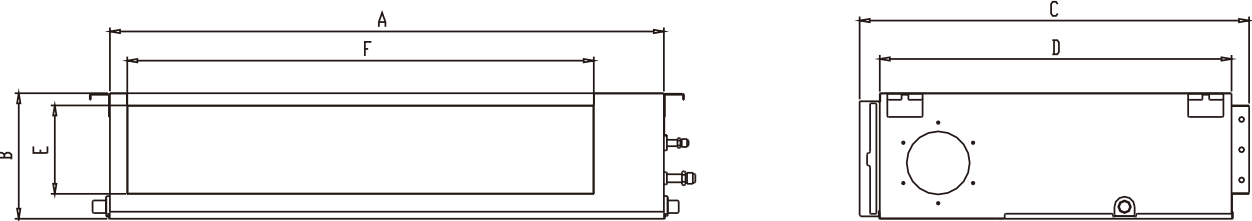
Installation place



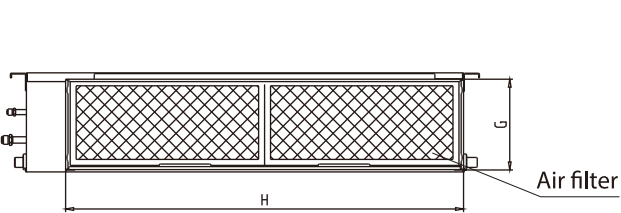
Maintenance space



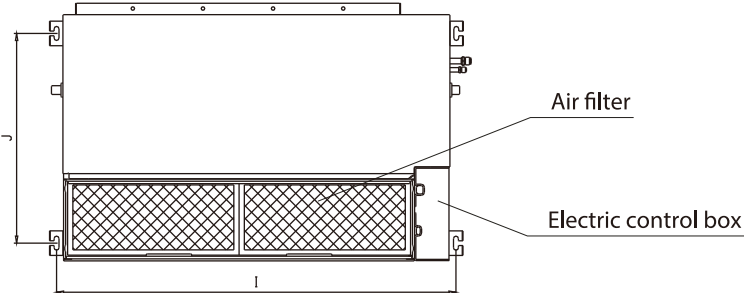
Air outlet dimensions



Air inlet dimensions



Descending ventilation opening and mounted hook

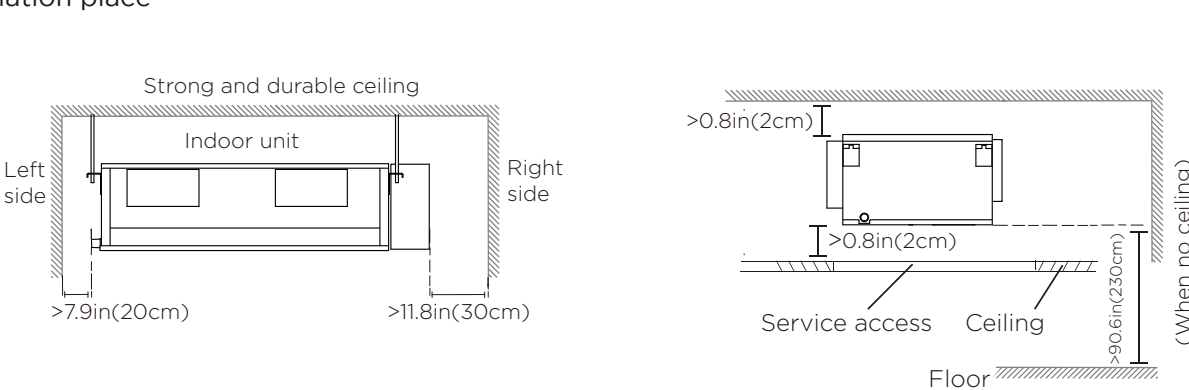


(unit: mm/inch)

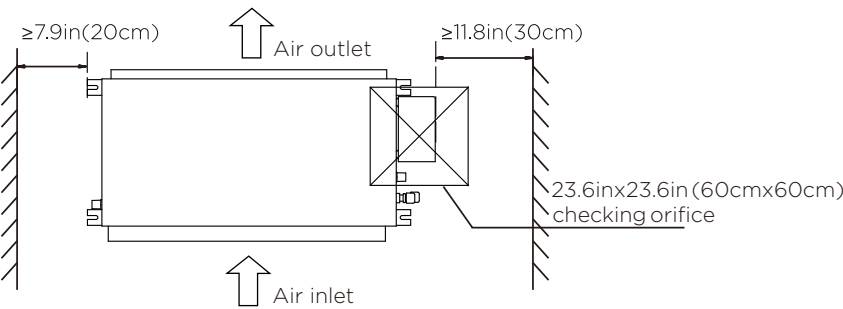
Model (kw)	Outline dimension				ir outlet opening size		ir return opening size		Size of mounted lug	
	A	B	C	D	E	F	G	H	I	J
7kw	1100/43.3	249/9.8	774/30.5	700/27.6	175/6.9	926/36.5	228/8.9	1001/39.4	1140/44.9	598/23.5
9kw	1360/53.5	249/9.8	774/30.5	700/27.6	175/6.9	1186/46.7	228/8.9	1261/49.6	1400/55.1	598/23.5

High Static Pressure Duct

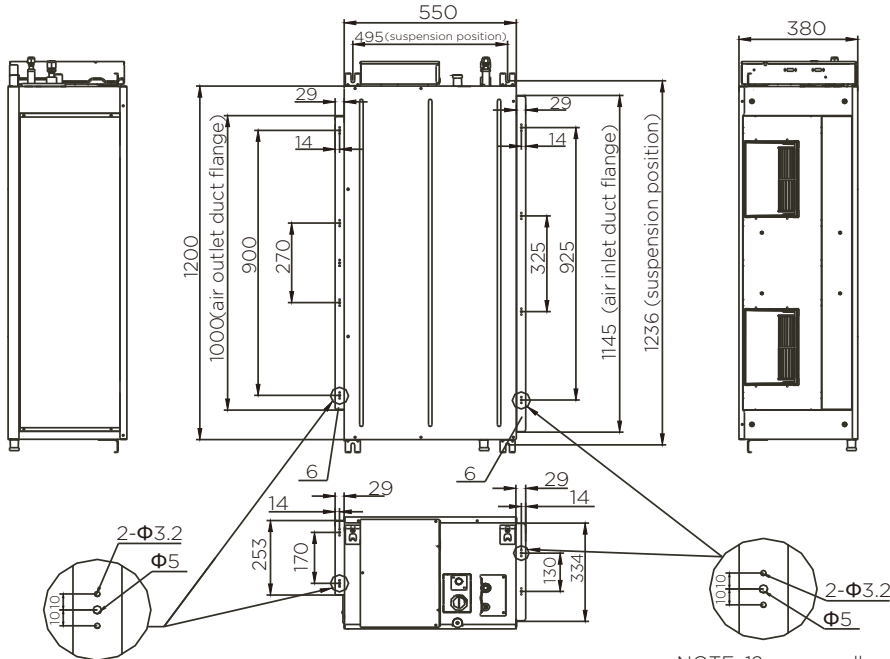
Installation place



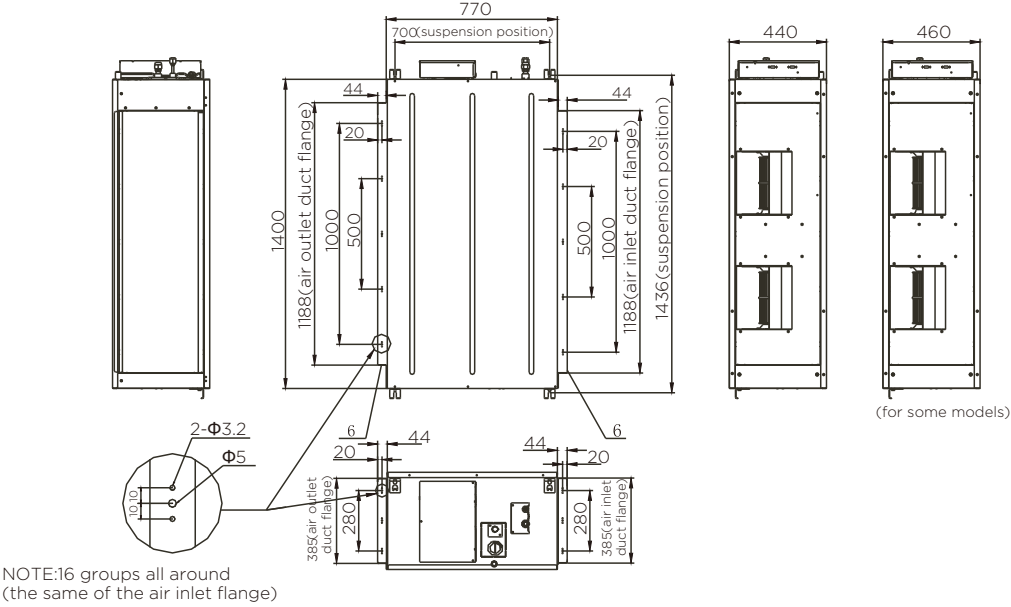
Maintenance space



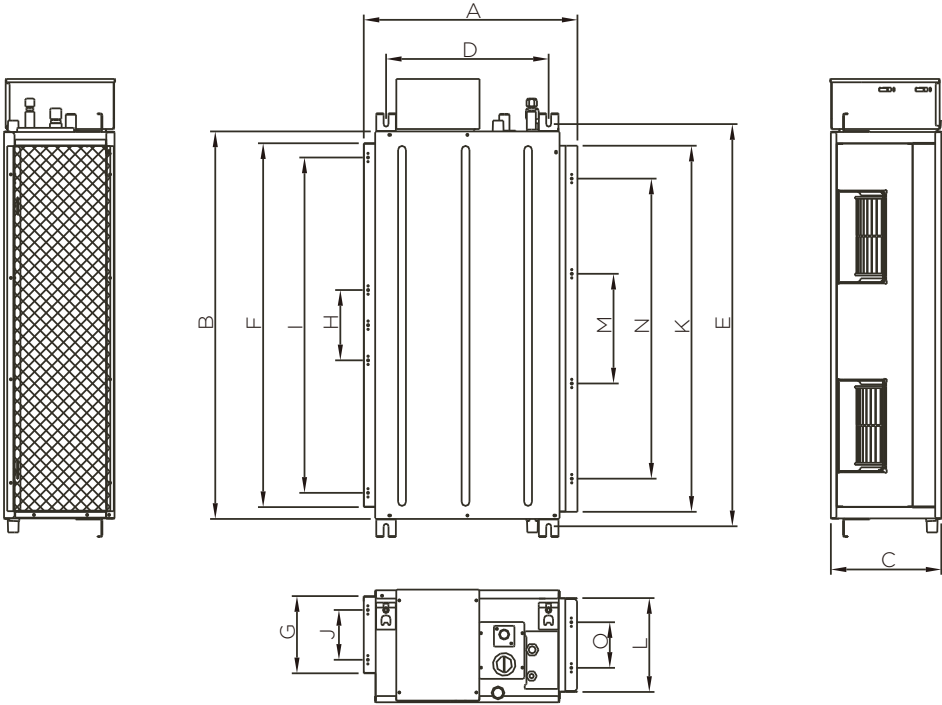
Applicable to 10.5kw/12.5kw/14kw only



Applicable to 17kw only



The size of installation for indoor unit following , this unit has installed with air filter.



(unit: mm/inch)

Model (kw)	Outline dimension			Size of mounted lug		Air outlet opening size (symmetry of air outlet opening)					Air inlet opening size (symmetry of air inlet opening)				
	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
10.5kw 12.5kw 14kw	625/24.6	1200/47.2	380/15	495/19.5	1236/48.6	1000/39.3	253/10	270/10.6	900/35.4	170/6.7	1145/45	334/13.1	325/12.8	925/36.4	130/5.1
17kw	858/33.8	1400/55.1	440/17.3 or 460/18.1	700/27.5	1436/56.5	1188/46.7	385/15	500/20	1000/39.3	280/11	1188/46.7	385/15	500/20	1000/39.3	280/11

Ducted Range

Whole Home Systems



Why Choose Fujitsu?

Australia's Favourite Air®

Fujitsu General is a leading supplier of air conditioners in Australia, with a portfolio to suit both residential and commercial applications. We focus all of our research and manufacturing strengths into air conditioners which has resulted in our extensive range of world-class, energy efficient, market-leading air conditioners.

Fujitsu General strives to consistently provide high quality, reliable products accompanied by superior customer service. To be 'Australia's Favourite Air®' means to be the best air conditioning company to deal with in Australia, not just a leading air conditioning brand.

That's why we're proud to say we are 'Australia's Favourite Air®'.

Fujitsu Channel Partner Network

Fujitsu have a comprehensive network of dealers right across Australia. This ensures that there is a local stockist in your area to assist you in purchasing a Fujitsu air conditioning system for your home.

An Award-Winning Brand

Fujitsu understands that our customers are investing in our brand and trusting that we will provide their family with a comfortable living environment all year round.

Fujitsu is honoured to be voted Reader's Digest Most Trusted Brand in the Air Conditioning category from 2018-2022 and awarded highly commended in 2023.

Fujitsu General has also won the ProductReview.com.au Best Appliance Brands award for 2023.



Peace of Mind

Fujitsu believe in the quality and reliability of every air conditioner we sell. This is why we're happy to provide a 5 year parts and labour warranty across the entire range.





Exceptional after sales service



Trusted brand



5 year manufacturer's warranty

Sporting Chance

Fujitsu General Australia is extremely proud to be a major sponsor of the Sporting Chance Cancer Foundation. Established in 1996, Sporting Chance is a not-for-profit organisation that helps provide home support and care to children with cancer.



For every air conditioner sold, a donation is made to the Sporting Chance Cancer Foundation.

To date, Fujitsu General has donated more than \$10M to this worthy cause, with a percentage of sales from Fujitsu's air conditioning units going towards the funding of outreach programs and exploring better ways to treat and overcome cancer.

Sporting Chance initiatives allow families to spend more quality time at home together, while still having access to the appropriate care for their child.

State of the Art Research and Development

Our state of the art research and development centre, located at our headquarters in Japan, is equipped with numerous testing facilities simulating a variety of air conditioning operating conditions. Our rigorous testing aims to meet Fujitsu's high standard of product quality and reliability.

Exceptional After Sales Service

At Fujitsu, we pride ourselves on providing exceptional customer service. Fujitsu General Assist is our in-house customer care and technical support department which was implemented to deliver a high level of support and accessibility to our customers.

Fujitsu General Assist deploys Fujitsu-trained technicians in Sydney, Melbourne, Brisbane, Adelaide, and Perth and provides access to dedicated Service Agents in all other parts of Australia. These technicians are well equipped with the necessary tools and spare parts to enable them to resolve issues onsite, promptly. This offers customers a high first time fix rate and seamless experience.





Ducted Range



Whole home solutions
from small to large homes including
apartments and townhouses

What Is Ducted Air Conditioning and How Does It Work?

Ducted air conditioning is usually a whole home solution that allows you to condition multiple rooms or the entire house using just one system. The indoor unit is located in the ceiling, whilst the outdoor unit is placed in a suitable location outside the home.

Conditioned air is circulated via a network of ducts in your ceiling cavity, with outlets in as many or as few rooms as you wish.

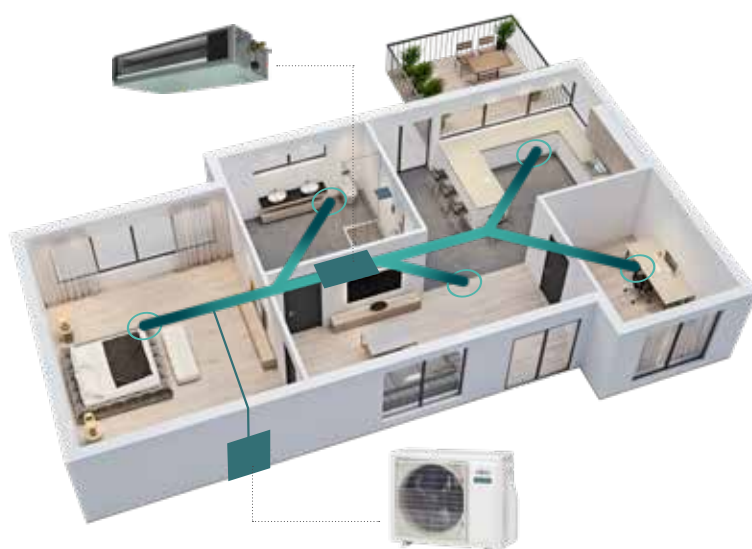
The temperature and hours of operation are controlled by a simple and easy to use wall controller.

All Fujitsu ducted air conditioners are reverse cycle, meaning you can come home to comfort, all year round.

What Is Zone Control?

Ducted air conditioning allows for the home to be divided into separate areas, or 'zones'. Zoning will allow you to have greater control over the airflow around the home and provides flexibility to use your system to suit your living arrangements and lifestyle.

Depending on the system, you can select which zones are on or off, or with advanced controllers select different temperatures for specific zones at the same time. This can improve energy efficiency and deliver superior comfort.



Energy Efficiency

By using the weekly timer function, dampers can be opened and closed to match your daily schedule. It's a 'set and forget' way to keep the temperature of your home comfortable all year round.

anywAiR® Technology Ducted Controller

Control your air from anywhere.



Temperature Controlled VAV²

Control temperature and air flow in up to 10 zones



Create up to 12 scenarios

Program scenes through custom settings

0-100%

Variable Air Volume (VAV)³

Select the percentage of air flow for each zone



Timers

Turn the unit on/off after a set time



AC Control

On/Off, fan speed, set point and mode

Wi-Fi Control For Fujitsu Ducted Air Conditioners¹

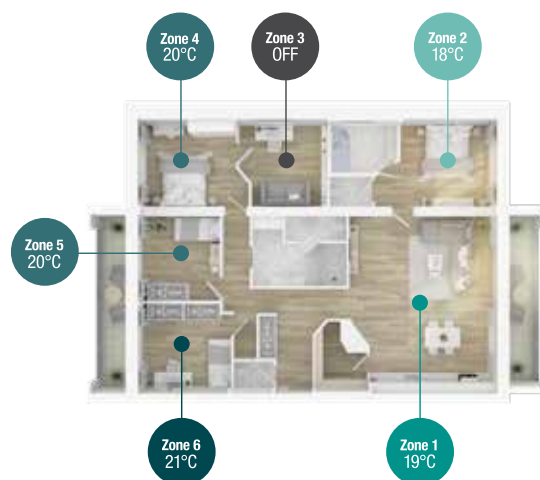
The Fujitsu General anywAiR® technology ducted controller provides Wi-Fi control for Fujitsu ducted air conditioning systems via a wall mounted touch pad. Remote access is available using the anywAiR® App¹, giving control of your ducted system anytime, anywhere with selected smartphone and tablet devices.

Easy To Use Touch Pad

Mounted portrait or landscape to the wall by a Fujitsu Installer, the anywAiR® technology ducted controller is simple to set-up using a Google Play Store account. The touch pad is the central point from which to operate the system and can be used to manage a variety of Android apps such as weather, recipes, music and other home automation apps.

Wi-Fi Control Of Up To 10 Zones

The new technology enables you to run your ducted system efficiently and easily, by controlling the airflow and temperature of up to 10 different zones within your home.





Variable Air Volume (VAV)³

Variable Air Volume (VAV) control allows the user to select the percentage of air flow for each zone from 0 to 100 percent, in 5 percent increments. This gives you greater control of air flow to each zone to better meet your comfort needs.

Temperature Controlled VAV²

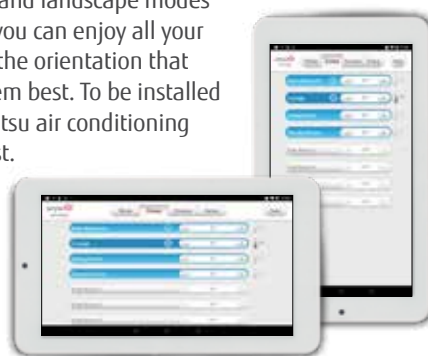
Temperature Controlled VAV is available to zones which have the optional temperature sensors installed. This feature allows the user to choose the desired temperature for a zone and the system will automatically adjust the air flow to assist in maintaining each zone's desired temperature.

Programmable Scenarios

Create up to 12 custom scenes to run a series of commands at the touch of a button or at a chosen time. Commands can include turning the unit on and off, changing the mode or temperature, and selecting which zones are open. Scenarios such as going to work, coming home or bedtime can be easily programmed to control the air flow and temperature to rooms required at set times.

Mounting

Your anywAiR[®] touch pad is permanently attached to your wall with the ability to pivot between portrait and landscape modes so that you can enjoy all your apps in the orientation that suits them best. To be installed by a Fujitsu air conditioning specialist.



¹The anywAiR[®] App is only compatible with a selected range of Fujitsu General ducted systems when the optional anywAiR[®] technology Wi-Fi ducted controller is installed. It is not a standard inclusion when purchasing a Fujitsu ducted system and must be installed by a Fujitsu Installer. ²Requires optional individual room sensors to be installed. ³VAV control is achieved by adjusting the opposed blade damper to control the airflow. The airflow fan setting (high/med/low/auto) of the system works independently to this function. Copyright© 2021 Fujitsu General Australia. All rights reserved. Actual products' colours may be different from the colours shown in this printed material. UTY-ANY1. App Store is a service mark of Apple Inc. ©2021 Google LLC All rights reserved. Google Play and the Google Play logo are trademarks of Google LLC. Other trademarks and tradenames are acknowledged to be the copyright of their respective holders.



SleepEconomiser

The SleepEconomiser feature will automatically adjust your air conditioner from COOL to FAN mode overnight from 10pm to 6am. It will then adjust itself back. This mode will help save energy during hot summer nights and help reduce noise for sleeping neighbours.

AutoFan

Allows the zone controller to automatically adjust the unit fan speed based on the current number of open zones.

AutoMode

Taking MainTemp to the next level, AutoMode gives you full temperature automation. This feature not only selects a zone as MainZone, it will also change the mode of air conditioning between cooling and heating in order to reach and maintain the desired temperature.

MainZone

The MainZone feature makes that particular zone the "information centre" for the air conditioning unit. That means the set-point for that zone becomes the setpoint the air conditioning unit will work toward. The actual measured temperature of that zone is the temperature sent to the unit for it to make its decisions about whether to start/stop or speed up/down to effectively achieve the set-point while maintaining constant airflow in the MainZone.

MainTemp

Acts as an automated MainZone. MainTemp will automatically select the zone with the greatest difference between actual and desired temperatures. Once this zone is selected and the desired temperature is reached, a new room will be selected and the process repeated. For example, if your living room is currently 30°C and your desired temperature is 21°C then the MainTemp will focus on this room until the desired temperature is reached before focusing on another room or zone.

Download the free app to control your air from anywhere

1. Download the anywAiR® App from the App store or Google Play
2. Follow the App configuration steps
3. Once set up, the anywAiR® App interacts with the anywAiR® technology ducted controller to remotely control your ducted system.



¹The anywAiR® App is only compatible with a selected range of Fujitsu General ducted systems when the optional anywAiR® technology Wi-Fi ducted zone controller is installed. It is not a standard inclusion when purchasing a Fujitsu ducted system and must be installed by a Fujitsu Installer. ²Requires optional individual room sensors to be installed. ³VAV control is achieved by adjusting the opposed blade damper to control the airflow. The airflow fan setting (high/med/low/auto) of the system works independently to this function. Copyright© 2021 Fujitsu General Australia. All rights reserved. Actual products' colours may be different from the colours shown in this printed material. UTY-ANY1. App Store is a service mark of Apple Inc. ©2021 Google LLC All rights reserved. Google Play and the Google Play logo are trademarks of Google LLC. Other trademarks and tradenames are acknowledged to be the copyright of their respective holders.



Bulkhead

- ✓ A single-room solution
- ✓ Suitable for townhouses and apartments
- ✓ Quiet and efficient
- ✓ Intuitive control
- ✓ R32 refrigerant
- ✓ Compact design to allow for flexible installation in the best available space

Indoor units



ARTH09KSLAP

2.5kW | 3.2kW
cooling | heating

ARTH12KSLAP

3.5kW | 4.0kW
cooling | heating



ARTH18KSLAP

5.0kW | 6.0kW
cooling | heating



ARTH09KLLAP

2.5kW | 3.2kW
cooling | heating

ARTH12KLLAP

3.5kW | 4.0kW
cooling | heating



ARTH18KLLAP

5.0kW | 6.0kW
cooling | heating



Outdoor units



AOTH09/12KBTA



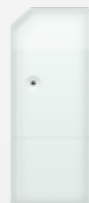
AOTH18KBTA

Standard controller

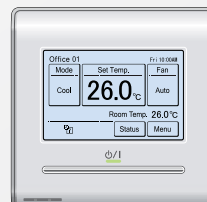


LCD
Touch Panel
Controller
UTY-RNRT

Available optional controllers



anywAiR[®]
technology
Wi-Fi adaptor
UTY-FGAN1



LCD
Touch Panel
Controller
UTY-RNRYT5



LCD Simple
Controller
with Operation
mode
UTY-RSRYT



LCD Simple
Controller
without Operation
mode
UTY-RHRYT

Mid Static Slimline

- ✓ Suitable for apartments and smaller homes typically up to 4 bedrooms
- ✓ Improved maximum guaranteed operating temperature range of up to 50 degrees in cooling mode
- ✓ Compatible with the optional Wi-Fi anywAiR® technology ducted controller
- ✓ R32 refrigerant
- ✓ High performance model available – larger outdoor unit and more energy efficient
- ✓ Compact design to allow for flexible installation in the ceiling
- ✓ Demand response enabled and zone system compatible

Indoor units



Standard

ARTH18KMTAP

5.0kW cooling | 6.0kW heating

ARTH24KMTAP

7.1kW cooling | 8.0kW heating

High performance

ARTH24KMTAP-HP

7.1kW cooling | 8.0kW heating



ARTH30KMTAP

8.5kW cooling | 10.0kW heating

ARTH30KMTAP-HP

8.5kW cooling | 10.0kW heating

ARTH36KMTAP

10.0kW cooling | 11.2kW heating

ARTH45KMTAP

12.5kW cooling | 14.0kW heating

ARTH54KMTAP

13.0kW cooling | 15.0kW heating



Outdoor units



AOTH18KBTA



AOTH24KBTA



AOTH30/36KBTA



AOTH45/54KBTA

Standard

High performance

AOTH30KCTA

AOTH24KCTA

Standard controller

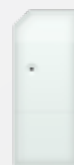


LCD
Touch Panel
Controller
UTY-RNRT

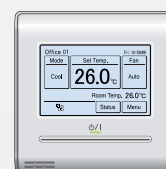
Available optional controllers



anywAiR[®]
technology ducted
controller
UTY-ANY1



anywAiR[®]
technology
Wi-Fi adaptor
UTY-FGAN1



LCD
Touch Panel
Controller
UTY-RNRYT5



LCD Simple
Controller
with Operation
mode
UTY-RSRYT



LCD Simple
Controller
without Operation
mode
UTY-RHRYT

High Static Single Phase & Three Phase R32

- ✓ Suitable for larger homes, typically up to 4 bedrooms
- ✓ Improved maximum guaranteed operating temperature range of up to 50 degrees in cooling mode
- ✓ Compatible with the optional Wi-Fi anywAiR® technology ducted controller
- ✓ 5 High Static Single Phase High Performance models available from 8.5kW to 16kW for improved energy efficiency
- ✓ Demand response enabled and zone system compatible
- ✓ R32 refrigerant
- ✓ Compact indoor design to allow for easy installation
- ✓ Only 500mm of clearance space required in front of the outdoor unit. Suitable for narrow spaces

Indoor units



Standard

ARTH24KHTA

7.1kW cooling | 8.0kW heating

ARTH30KHTA

8.5kW cooling | 10.0kW heating

ARTH36KHTA

10.0kW cooling | 11.2kW heating

High performance

ARTH30KHTA-HP

8.5kW cooling | 10.0kW heating

ARTH36KHTA-HP

10.0kW cooling | 12.5kW heating

3 phase

ARTH36KHTA-3PH

10.0kW cooling | 11.2kW heating



ARTH45KHTA

12.5kW cooling | 14.0kW heating

ARTH54KHTA

14.0kW cooling | 15.5kW heating

ARTH60KHTA

15.5kW cooling | 18.0kW heating

ARTH45KHTA-HP

12.5kW cooling | 15.0kW heating

ARTH54KHTA-HP

14.0kW cooling | 16.5kW heating

ARTH60KHTB

16.0kW cooling | 18.0kW heating

ARTH45KHTA-3PH

12.5kW cooling | 14.0kW heating

ARTH54KHTA-3PH

14.0kW cooling | 15.5kW heating

ARTH60KHTA-3PH

15.5kW cooling | 18.0kW heating



Outdoor units



Standard	AOTH24KBTA	AOTH30/36KBTA	AOTH45/54KBTA	AOTH60KBTA
High performance			AOTH30/36KCTA	AOTH45/54/60KCTA
3 phase		AOTH36KRTA	AOTH45/54KRTA	AOTH60KRTA

Standard controller

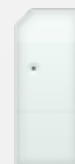


LCD
Touch Panel
Controller
UTY-RNRT

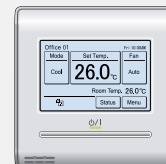
Available optional controllers



anywAiR[®]
technology ducted
controller
UTY-ANY1



anywAiR[®]
technology
Wi-Fi adaptor
UTY-FGAN1



LCD
Touch Panel
Controller
UTY-RNRYT5



LCD Simple
Controller
with Operation
mode
UTY-RSRYT



LCD Simple
Controller
without Operation
mode
UTY-RHRYT

High Static Three Phase R410A

- ✓ Suitable for larger homes, typically up to 6 bedrooms
- ✓ Compatible with the optional Wi-Fi anywAiR® technology ducted controller
- ✓ Indoor unit can be separated to enable easy in-roof installation
- ✓ R410A refrigerant
- ✓ Allows for an increased number of air ducts to be installed
- ✓ Optional truss transition kit (UTD-TJKA) available where ceiling cavity space may be limited¹

Indoor units



ARTG65LHTA

15.0kW cooling | 18.0kW heating



ARTC72LATU

20.3kW cooling | 22.6kW heating



ARTC90LATU

25.0kW cooling | 28.0kW heating



Outdoor units



AOTG65LRLA



AOTA72/90LALT

Standard controller



LCD
Touch Panel
Controller
UTY-RVNYN

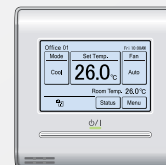
Available optional controllers



anywAiR[®]
technology ducted
controller
UTY-ANY1



anywAiR[®]
technology
Wi-Fi adaptor¹
UTY-FGAN1



LCD
Touch Panel
Controller¹
UTY-RNRYT5



LCD Simple
Controller
with Operation
mode¹
UTY-RSRYT



LCD Simple
Controller
without Operation
mode¹
UTY-RHRYT

¹Compatible with the ARTG65LHTA model only.

Feature Checklist

		ARTH09KSLAP	ARTH09KLLAP	ARTH12KSLAP	ARTH12KLLAP	ARTH18KSLAP	ARTH18KLLAP	ARTH18KMTAP	ARTH24KMTAP	ARTH30KMTAP	ARTH36KMTAP	ARTH45KMTAP	ARTH54KMTAP
		Bulkhead						Mid Static Slimline					
Auto Changeover	Automatically switches between operating modes based on the temperature setting and room temperature	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Auto Restart	The unit will automatically restart in the same operating mode after a temporary loss of power	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Automatic Airflow Adjustment	The micro-processor automatically adjusts air flow to follow changes in room temperature	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Automatic Static Pressure Setting Adjustment	The unit will automatically set the optimal static pressure setting							✓	✓	✓	✓	✓	✓
Blue Fin Heat Exchanger	Corrosion-resistance has been improved by blue fin treatment of the outdoor unit heat exchanger	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Connectable Distributing Duct	Systems are capable of attaching field-supplied branch ducts distributing the airflow	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Connectable Fresh Air Duct	Systems are capable of attaching field-supplied branch ducts to bring fresh air in							✓	✓	✓	✓	✓	✓
Demand Response	Compatible with the Air Conditioning Demand Response program. When your electricity supplier activates one of the three modes, the air conditioner switches over to the appropriate operation	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Economy Mode	The temperature will adjust by 1°C to allow for a reduction in power drawn from the compressor to help save energy	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Error Code Display	Shown on the wired remote controller display or the indicator lamps on the indoor receiver unit	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Filter Sign	Set the interval frequency to be reminded to clean the air filter on your unit	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
In-Built Drain Pump	The drain pump is in-built into the system	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Long Piping Capability 75m	Equipped with a maximum pipe length of 75m												
On-Off Timer	Can be set to operate once every 24 hours	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Operating Temperature Range 50°C	The maximum guaranteed operating temperature range is 50 degrees in cooling mode							✓	✓	✓	✓	✓	✓
Program Timer	Allows selection of one of four options. ON, OFF, ON-->OFF, or OFF-->ON							✓	✓	✓	✓	✓	✓
Weekly + Setback Timer	Can set temperature for two time spans and for each day of the week	✓	✓	✓	✓	✓	✓						
Weekly Timer	Different on-off timers can be set for up to 7 days	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Zone Control	Air condition selected zones within the indoor space							✓	✓	✓	✓	✓	✓

ARTH24KMTAP-HP	ARTH30KMTAP-HP	ARTH24KH1A	ARTH30KH1A	ARTH36KH1A	ARTH45KH1A	ARTH54KH1A	ARTH60KH1A	ARTH30KH1A-HP	ARTH36KH1A-HP	ARTH45KH1A-HP	ARTH54KH1A-HP	ARTH60KH1B	ART36KH1A-3PH	ART45KH1A-3PH	ART54KH1A-3PH	ART60KH1A-3PH	ARTG65LH1A	ARTC72LATU	ARTC90LATU
Mid Static Slimline (HP)	High Static Single Phase							High Static Single Phase (HP)					High Static Three Phase (R32)				High Static Three Phase (R410A)		
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			
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Product Specifications

Bulkhead R32

Set Code			SET-ARTH09KSLAP	SET-ARTH12KSLAP	SET-ARTH18KSLAP
Model No.	Indoor unit		ARTH09KSLAP	ARTH12KSLAP	ARTH18KSLAP
	Outdoor unit		AOTH09KBTA	AOTH12KBTA	AOTH18KBTA
Power Source	V / Ph / Hz		230 / 1 / 50		
Capacity	Cooling (Rated (Min - Max))	kW	2.50 (0.9 - 3.6)	3.50 (0.9 - 4.1)	5.00 (0.9 - 5.9)
	Heating (Rated (Min - Max))	kW	3.20 (0.9 - 4.5)	4.00 (0.9 - 5.1)	6.00 (0.9 - 7.1)
Input Power	Cooling (Rated (Max))	kW	0.64 (1.15)	0.98 (1.41)	1.48 (1.95)
	Heating (Rated (Max))	kW	0.80 (1.5)	1.1 (1.97)	1.73 (2.58)
EER	Cooling	kW / kW	3.91	3.57	3.38
COP	Heating	kW / kW	4.00	3.64	3.47
Star Rating	Cooling: Hot/Average/Cold		3 / 2.5 / 3	3 / 2.5 / 2.5	3 / 2.5 / 2.5
	Heating: Hot/Average/Cold		2.5 / 2.5 / 2	2.5 / 2 / 1.5	2.5 / 2 / 1.5
TCSPF ¹	Residential (Hot/Average/Cold)	kW	4.999 / 4.490 / 4.551	4.645 / 4.269 / 4.374	4.584 / 4.264 / 4.418
HSPF ²	Residential (Hot/Average/Cold)	kW	4.339 / 4.053 / 3.736	4.371 / 3.934 / 3.492	4.430 / 3.860 / 3.319
Running current	Cooling/Heating		amps	4.6 / 5.1	6.3 / 7.3
Moisture Removal		l/hr	0.5	1.5	2
Sound Pressure Level	Indoor (Cooling)	High/Quiet	dBA	29 / 23	33 / 23
	Indoor (Heating)	High/Quiet		29 / 23	33 / 23
	Outdoor (Cooling/Heating)	High		41 / 46	48 / 49
Sound Power Level	Outdoor	High		59	62
Static Pressure Range	Min - Max		PA	-	-
Air Circulation	Indoor (Cooling)	High Fan	l/sec	167	261
	Indoor (Heating)	High Fan		167	261
Dimensions H x W x D	Indoor		mm	198 x 700 x 450	198 x 900 x 450
	Outdoor			542 x 799 x 290	632 x 799 x 290
Net Weight	Indoor		kg	15.50	18.50
	Outdoor			32.00	36.00
Connection Pipe Diameter (Liquid/Gas)		mm	Ø6.35 / Ø9.52	Ø6.35 / Ø9.52	Ø6.35 / Ø12.70
Pipe Length (Max (Precharged))		m	20 (15)	20 (15)	30 (20)
Max Height Difference		m	15	15	20
Operation Range	Outdoor (Min - Max)	Cooling	°CDB	-10 to 46	-10 to 46
		Heating		-15 to 24	-15 to 24
Refrigerant	Type		R32	R32	R32
	Charge	kg	850	850	1,020

¹ Total Cooling Seasonal Performance Factor

² Heating Seasonal Performance Factor

Bulkhead R32

Set Code			SET-ARTH09KLLAP	SET-ARTH12KLLAP	SET-ARTH18KLLAP
Model No.	Indoor unit		ARTH09KLLAP	ARTH12KLLAP	ARTH18KLLAP
	Outdoor unit		AOTH09KBTA	AOTH12KBTA	AOTH18KBTA
Power Source	V / Ph / Hz		230 / 1 / 50		
Capacity	Cooling (Rated (Min - Max))	kW	2.50 (0.9 - 3.6)	3.50 (0.9 - 4.1)	5.00 (0.9 - 5.9)
	Heating (Rated (Min - Max))	kW	3.20 (0.9 - 4.8)	4.00 (0.9 - 5.5)	6.00 (0.9 - 7.5)
Input Power	Cooling (Rated (Max))	kW	0.61 (1.11)	0.93 (1.33)	1.38 (2.00)
	Heating (Rated (Max))	kW	0.77 (1.48)	1.05 (1.87)	1.60 (2.39)
EER	Cooling	kW / kW	4.10	3.76	3.62
COP	Heating	kW / kW	4.16	3.81	3.75
Star Rating	Cooling: Hot/Average/Cold		3.5 / 3 / 3	3 / 2.5 / 2.5	3 / 3 / 3
	Heating: Hot/Average/Cold		3 / 2.5 / 2	3 / 2.5 / 2	3 / 2.5 / 2
TCSPF ¹	Residential (Hot/Average/Cold)	kW	5.080 / 4.535 / 4.567	4.808 / 4.397 / 4.485	4.868 / 4.508 / 4.656
HSPF ²	Residential (Hot/Average/Cold)	kW	4.606 / 4.270 / 3.900	4.589 / 4.116 / 3.618	4.661 / 4.105 / 3.536
Running current	Cooling/Heating		amps	4.4 / 5	5.9 / 6.8
Moisture Removal		l/hr	0.7	1.3	2
Sound Pressure Level	Indoor (Cooling)	High/Quiet	dBA	28 / 25	32 / 27
	Indoor (Heating)	High/Quiet		28 / 24	32 / 27
	Outdoor (Cooling/Heating)	High		41 / 46	48 / 49
Sound Power Level	Outdoor	High		59	62
Static Pressure Range	Min - Max		PA	-	-
Air Circulation	Indoor (Cooling)	High Fan	l/sec	167	261
	Indoor (Heating)	High Fan		167	261
Dimensions H x W x D	Indoor		mm	198 x 700 x 620	198 x 900 x 620
	Outdoor			542 x 799 x 290	632 x 799 x 290
Net Weight	Indoor		kg	17.00	20.00
	Outdoor			32.00	36.00
Connection Pipe Diameter (Liquid/Gas)		mm	Ø6.35 / Ø9.52	Ø6.35 / Ø9.52	Ø6.35 / Ø12.70
Pipe Length (Max (Precharged))		m	20 (15)	20 (15)	30 (20)
Max Height Difference		m	15	15	20
Operation Range	Outdoor (Min - Max)	Cooling	°CDB	-10 to 46	-10 to 46
		Heating		-15 to 24	-15 to 24
Refrigerant	Type		R32	R32	R32
	Charge	kg	850	850	1,020

Product Specifications

Mid Static Slimline R32

Set Code			SET-ARTH18KMTAP	SET-ARTH24KMTAP	SET-ARTH30KMTAP	SET-ARTH36KMTAP	SET-ARTH45KMTAP	SET-ARTH54KMTAP	
Model No.	Indoor unit		ARTH18KMTAP	ARTH24KMTAP	ARTH30KMTAP	ARTH36KMTAP	ARTH45KMTAP	ARTH54KMTAP	
	Outdoor unit		AOTH18KBTA	AOTH24KBTA	AOTH30KBTA	AOTH36KBTA	AOTH45KBTA	AOTH54KBTA	
Power Source	V / Ph / Hz		230 / 1 / 50						
Capacity	Cooling (Rated (Min - Max))	kW	5.00 (0.9 - 6.4)	7.10 (1.8 - 8.1)	8.50 (2.8 - 10.3)	10.00 (2.8 - 11.4)	12.50 (4.0 - 14.0)	13.00 (4.5 - 15.0)	
	Heating (Rated (Min - Max))	kW	6.00 (0.9 - 7.8)	8.00 (2.0 - 9.1)	10.00 (2.7 - 11.3)	11.20 (2.7 - 14.0)	14.00 (4.2 - 16.5)	15.00 (4.7 - 18.0)	
Input Power	Cooling (Rated (Max))	kW	1.37 (1.95)	2.15 (2.92)	2.6 (4.28)	3.23 (4.3)	4.0 (5.18)	4.31 (5.19)	
	Heating (Rated (Max))	kW	1.58 (2.39)	2.19 (2.67)	2.62 (4.44)	3.3 (4.5)	4.0 (5.22)	4.45 (5.23)	
EER	Cooling	kW / kW	3.65	3.30	3.55	3.19	3.13	3.02	
COP	Heating	kW / kW	3.80	3.65	4.12	3.73	3.50	3.37	
Star Rating	Cooling: Hot/Average/Cold		3 / 2.5 / 2	3 / 2 / 1.5	2.5 / 2.5 / 2.5	2.5 / 2.5 / 2.5	3 / 2 / 1.5	2.5 / 2 / 1.5	
	Heating: Hot/Average/Cold		3.5 / 3 / 3	3 / 2.5 / 2.5	3 / 2.5 / 2	3 / 2 / 1.5	2.5 / 2.5 / 3	2.5 / 2.5 / 2.5	
TCSPF ¹	Residential (Hot/Average/Cold)	kW	5.012 / 4.663 / 4.844	4.558 / 4.294 / 4.484	4.781 / 4.910 / 5.264	4.338 / 4.141 / 4.359	4.462 / 4.265 / 4.509	4.354 / 4.163 / 4.412	
HSPF ²	Residential (Hot/Average/Cold)	kW	4.740 / 4.182 / 3.616	4.694 / 3.996 / 3.375	5.036 / 4.472 / 3.899	4.568 / 3.815 / 3.201	4.512 / 3.881 / 3.295	4.371 / 3.688 / 3.113	
Running current	Cooling/Heating		amps	5.9 / 6.8	9.1 / 9.2	11.0 / 11.2	13.6 / 13.9	16.8 / 16.8	18.1 / 18.7
Moisture Removal		l/hr	1.3	1.7	1.6	2.9	4.5	5.0	
Sound Pressure Level	Indoor (Cooling)	High/Quiet	dBA	33 / 23	38 / 27	38 / 28	38 / 27	40 / 29	40 / 29
	Indoor (Heating)	High/Quiet		33 / 23	38 / 27	38 / 28	38 / 27	40 / 29	40 / 29
	Outdoor (Cooling/Heating)	High		48 / 49	48 / 50	51 / 53	53 / 53	55 / 57	55 / 57
Sound Power Level	Outdoor	High		62	68	69	70	71	72
Static Pressure Range	Min - Max		PA	50 - 150	50 - 150	50 - 150	50 - 150	50 - 150	50 - 150
Air Circulation	Indoor (Cooling)	High Fan	l/sec	300	416	541	575	600	600
	Indoor (Heating)	High Fan		300	416	541	575	600	600
Dimensions H x W x D	Indoor		mm	240 x 1000 x 700	240 x 1000 x 700	240 x 1400 x 700	240 x 1400 x 700	240 x 1400 x 700	240 x 1400 x 700
	Outdoor			632 x 799 x 290	716 x 820 x 315	788 x 940 x 320	788 x 940 x 320	998 x 940 x 320	998 x 940 x 320
Net Weight	Indoor		kg	31.00	31.00	42.00	42.00	42.00	42.00
	Outdoor			36.00	36.00	52.00	52.00	67.00	67.00
Connection Pipe Diameter (Liquid/Gas)		mm	6.35 / 12.7	6.35 / 12.7	9.52 / 15.88	9.52 / 15.88	9.52 / 15.88	9.52 / 15.88	
Pipe Length (Max (Precharged))		m	30 (20)	30 (20)	50 (30)	50 (30)	50 (30)	50 (30)	
Max Height Difference		m	20	25	30	30	30	30	
Operation Range	Outdoor (Min - Max)	Cooling	°CDB	-10 to 50	-10 to 50	-10 to 50	-10 to 50	-10 to 50	-10 to 50
		Heating		-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24
Refrigerant	Type			R32	R32	R32	R32	R32	R32
	Charge	kg		1,020	1,250	1,900	1,900	2,700	2,700

¹ Total Cooling Seasonal Performance Factor
² Heating Seasonal Performance Factor

Mid Static Slimline R32 (HP)

Set Code			SET-ARTH24KMTAP-HP	SET-ARTH30KMTAP-HP
Model No.	Indoor unit		ARTH24KMTAP-HP	ARTH30KMTAP-HP
	Outdoor unit		AOTH24KCTA	AOTH30KCTA
Power Source	V / Ph / Hz		230 / 1 / 50	
Capacity	Cooling (Rated (Min - Max))	kW	7.10 (3.3 - 8.5)	8.50 (4.1 - 10.5)
	Heating (Rated (Min - Max))	kW	8.00 (3.6 - 10.5)	10.00 (4.2 - 11.5)
Input Power	Cooling (Rated (Max))	kW	1.85 (2.72)	2.60 (3.38)
	Heating (Rated (Max))	kW	1.93 (2.89)	2.47 (3.12)
EER	Cooling	kW / kW	3.84	3.76
COP	Heating	kW / kW	4.15	4.05
Star Rating	Cooling: Hot/Average/Cold		3 / 2.5 / 2.5	3.5 / 2.5 / 2
	Heating: Hot/Average/Cold		3 / 2.5 / 3	3 / 3 / 3
TCSPF ¹	Residential (Hot/Average/Cold)	kW	4.712 / 4.474 / 4.598	4.800 / 4.569 / 4.727
HSPF ²	Residential (Hot/Average/Cold)	kW	4.962 / 4.491 / 4.043	5.036 / 4.472 / 3.899
Running current	Cooling/Heating		8.0 / 8.4	9.6 / 10.5
Moisture Removal		l/hr	1.7	1.6
Sound Pressure Level	Indoor (Cooling)	High/Quiet	dBA	38 / 27
	Indoor (Heating)	High/Quiet		38 / 28
	Outdoor (Cooling/Heating)	High		48 / 50
Sound Power Level	Outdoor	High		67
Static Pressure Range	Min - Max		PA	50 - 150
Air Circulation	Indoor (Cooling)	High Fan	l/sec	416
	Indoor (Heating)	High Fan		416
Dimensions H x W x D	Indoor		mm	240 x 1000 x 700
	Outdoor			988 x 940 x 320
Net Weight	Indoor		kg	31.00
	Outdoor			63.00
Connection Pipe Diameter (Liquid/Gas)		mm	6.35 / 12.7	9.52 / 15.88
Pipe Length (Max (Precharged))		m	75 (30)	75 (30)
Max Height Difference		m	30	30
Operation Range	Outdoor (Min - Max)	Cooling	°CDB	-10 to 50
		Heating		-15 to 24
Refrigerant	Type		R32	R32
	Charge	kg	1,800	2,100

Product Specifications

High Static Single Phase R32

Set Code			SET-ARTH24KHTA	SET-ARTH30KHTA	SET-ARTH36KHTA	SET-ARTH45KHTA	SET-ARTH54KHTA	SET-ARTH60KHTA
Model No.	Indoor unit		ARTH24KHTA	ARTH30KHTA	ARTH36KHTA	ARTH45KHTA	ARTH54KHTA	ARTH60KHTA
	Outdoor unit		AOTH24KBTA	AOTH30KBTA	AOTH36KBTA	AOTH45KBTA	AOTH54KBTA	AOTH60KBTA
Power Source	V / Ph / Hz		230 / 1 / 50					
Capacity	Cooling (Rated (Min - Max))	kW	7.10 (1.8 - 8.1)	8.50 (2.8 - 10.3)	10.00 (2.8 - 11.4)	12.50 (4.0 - 14.0)	14.00 (4.5 - 15.0)	15.50 (5.0 - 16.5)
	Heating (Rated (Min - Max))	kW	8.00 (2.0 - 9.1)	10.00 (2.7 - 11.3)	11.20 (2.7 - 14.0)	14.00 (4.2 - 16.5)	15.50 (4.7 - 18.0)	18.00 (5.1 - 19.0)
Input Power	Cooling (Rated (Max))	kW	2.14 (2.53)	2.35 (3.47)	3.08 (4.01)	3.80 (5.16)	4.64 (5.17)	4.94 (6.02)
	Heating (Rated (Max))	kW	2.05 (2.45)	2.35 (4.12)	2.80 (4.21)	3.42 (5.22)	4.40 (5.23)	4.89 (6.74)
EER	Cooling	kW / kW	3.32	3.62	3.25	3.29	3.02	3.14
COP	Heating	kW / kW	3.90	4.26	4.00	4.09	3.52	3.68
Star Rating	Cooling: Hot/Average/Cold		3 / 3 / 3	3 / 2.5 / 3	3 / 2.5 / 3	3 / 2.5 / 3	2.5 / 2.5 / 2.5	2.5 / 2.5 / 2.5
	Heating: Hot/Average/Cold		3 / 2.5 / 1.5	3 / 2.5 / 2	3 / 2.5 / 1.5	3 / 2.5 / 2	3 / 2 / 1.5	2.5 / 2 / 1.5
TCSPF ¹	Residential (Hot/Average/Cold)	kW	4.912 / 4.611 / 4.875	4.695 / 4.469 / 4.637	4.642 / 4.426 / 4.675	4.612 / 4.403 / 4.635	4.339 / 4.147 / 4.390	4.378 / 4.193 / 4.416
HSPF ²	Residential (Hot/Average/Cold)	kW	4.825 / 4.110 / 3.444	4.610 / 4.211 / 3.654	4.720 / 4.073 / 3.429	4.766 / 4.208 / 3.574	4.691 / 3.937 / 3.306	4.487 / 3.885 / 3.310
Running current	Cooling/Heating		amps	9.4 / 9.0	10.4 / 10.4	13.6 / 12.3	16.7 / 15.0	20.4 / 19.3
Moisture Removal		l/hr	0.5	0.1	1.4	0.9	1.6	2.8
Sound Pressure Level	Indoor (Cooling)	High/Quiet	dBA	34 / 27	41 / 36	41 / 36	43 / 35	45 / 36
	Indoor (Heating)	High/Quiet		34 / 27	41 / 36	41 / 36	43 / 35	45 / 36
	Outdoor (Cooling/Heating)	High		48 / 50	51 / 53	53 / 53	55 / 57	55 / 57
Sound Power Level	Outdoor	High		68	69	70	71	71
Static Pressure Range	Min - Max		PA	60 - 210	60 - 210	60 - 210	60 - 260	60 - 260
Air Circulation	Indoor (Cooling)	High Fan	l/sec	500	695	695	903	986
	Indoor (Heating)	High Fan		500	695	695	903	986
Dimensions H x W x D	Indoor		mm	400 x 1050 x 500	400 x 1050 x 500	400 x 1050 x 500	425 x 1250 x 490	425 x 1250 x 490
	Outdoor			716 x 820 x 315	788 x 940 x 320	788 x 940 x 320	998 x 940 x 320	998 x 940 x 320
Net Weight	Indoor		kg	38.00	39.00	39.00	53.00	53.00
	Outdoor			36.00	52.00	52.00	67.00	67.00
Connection Pipe Diameter (Liquid/Gas)		mm	6.35 / 12.7	9.52 / 15.88	9.52 / 15.88	9.52 / 15.88	9.52 / 15.88	9.52 / 15.88
Pipe Length (Max (Precharged))		m	30 (20)	50 (30)	50 (30)	50 (30)	50 (30)	50 (30)
Max Height Difference		m	25	30	30	30	30	30
Operation Range	Outdoor (Min - Max)	Cooling	°CDB	-10 to 50	-10 to 50	-10 to 50	-10 to 50	-10 to 50
		Heating		-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24
Refrigerant	Type			R32	R32	R32	R32	R32
	Charge	kg		1,250	1,900	1,900	2,700	2,700

¹ Total Cooling Seasonal Performance Factor

² Heating Seasonal Performance Factor

High Static Single Phase R32 (HP)

Set Code			SET-ARTH30KHTA-HP	SET-ARTH36KHTA-HP	SET-ARTH45KHTA-HP	SET-ARTH54KHTA-HP	SET-ARTH60KHTB	
Model No.	Indoor unit		ARTH30KHTA-HP	ARTH36KHTA-HP	ARTH45KHTA-HP	ARTH54KHTA-HP	ARTH60KHTB	
	Outdoor unit		AOTH30KCTA	AOTH36KCTA	AOTH45KCTA	AOTH54KCTA	AOTH60KCTA	
Power Source	V / Ph / Hz		230 / 1 / 50					
Capacity	Cooling (Rated (Min - Max))	kW	8.50 (4.1 - 11.0)	10.00 (5.0 - 13.0)	12.50 (5.6 - 14.5)	14.00 (6.3 - 16.5)	16.00 (7.4 - 17.5)	
	Heating (Rated (Min - Max))	kW	10.00 (4.2 - 12.0)	12.50 (5.2 - 15.0)	15.00 (5.2 - 17.0)	16.50 (5.8 - 18.5)	18.00 (7.4 - 20.5)	
Input Power	Cooling (Rated (Max))	kW	2.18 (3.36)	2.60 (5.01)	3.43 (4.39)	3.91 (5.35)	4.82 (5.31)	
	Heating (Rated (Max))	kW	2.20 (3.12)	2.94 (4.65)	3.49 (4.46)	4.00 (4.49)	4.63 (5.19)	
EER	Cooling	kW / kW	3.90	3.85	3.61	3.58	3.32	
COP	Heating	kW / kW	4.55	4.25	4.30	4.13	3.89	
Star Rating	Cooling: Hot/Average/Cold		3 / 3 / 3	3 / 3 / 3	3 / 3 / 3	3 / 2.5 / 3	3 / 2.5 / 3	
	Heating: Hot/Average/Cold		3 / 3 / 2	3 / 2.5 / 2	3 / 2.5 / 2	2.5 / 2.5 / 2	3 / 2.5 / 1.5	
TCSPF ¹	Residential (Hot/Average/Cold)	kW	4.833 / 4.593 / 4.727	4.964 / 4.727 / 4.900	4.785 / 4.573 / 4.760	4.666 / 4.464 / 4.642	4.533 / 4.342 / 4.555	
HSPF ²	Residential (Hot/Average/Cold)	kW	4.856 / 4.509 / 3.994	4.912 / 4.377 / 3.733	4.702 / 4.305 / 3.753	4.400 / 4.028 / 3.502	4.521 / 4.001 / 3.428	
Running current	Cooling/Heating		amps	9.6 / 9.7	11.4 / 12.9	15.1 / 15.3	17.2 / 17.5	21.1 / 20.3
Moisture Removal		l/hr	0.1	1.4	0.9	1.6	3.4	
Sound Pressure Level	Indoor (Cooling)	High/Quiet	dBA	41 / 36	41 / 36	43 / 35	45 / 36	44 / 39
	Indoor (Heating)	High/Quiet		41 / 36	41 / 36	43 / 35	45 / 36	44 / 39
	Outdoor (Cooling/Heating)	High		51 / 53	53 / 53	53 / 53	53 / 55	53 / 55
Sound Power Level	Outdoor	High		69	70	70	71	71
Static Pressure Range	Min - Max		PA	60 - 210	60 - 210	60 - 260	60 - 260	60 - 250
Air Circulation	Indoor (Cooling)	High Fan	l/sec	695	695	903	986	1139
	Indoor (Heating)	High Fan		695	695	903	986	1139
Dimensions H x W x D	Indoor		mm	400 x 1050 x 500	400 x 1050 x 500	425 x 1250 x 490	425 x 1250 x 490	360 x 1400 x 850
	Outdoor			998 x 940 x 320	998 x 940 x 320	1418 x 970 x 370	1418 x 970 x 370	1418 x 970 x 370
Net Weight	Indoor		kg	39.00	39.00	53.00	53.00	69.00
	Outdoor			64.00	67.00	95.00	101.00	101.00
Connection Pipe Diameter (Liquid/Gas)		mm	9.52 / 15.88	9.52 / 15.88	9.52 / 15.88	9.52 / 15.88	9.52 / 15.88	
Pipe Length (Max (Precharged))		m	75 (30)	75 (30)	75 (30)	75 (30)	75 (30)	
Max Height Difference		m	30	30	30	30	30	
Operation Range	Outdoor (Min - Max)	Cooling	°CDB	-10 to 50	-10 to 50	-10 to 50	-10 to 50	-10 to 50
		Heating		-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24
Refrigerant	Type		R32	R32	R32	R32	R32	
	Charge	kg	2,100	2,500	3,400	3,800	3,800	

Product Specifications

High Static Three Phase R32

Set Code			SET-ART36KHTA-3PH	SET-ART45KHTA-3PH	SET-ART54KHTA-3PH	SET-ART60KHTA-3PH
Model No.	Indoor unit		ART36KHTA-3PH	ART45KHTA-3PH	ART54KHTA-3PH	ART60KHTA-3PH
	Outdoor unit		AOTH36KRTA	AOTH45KRTA	AOTH54KRTA	AOTH60KRTA
Power Source	V / Ph / Hz		400 / 3 / 50			
Capacity	Cooling (Rated (Min - Max))	kW	10.00 (2.8 - 11.4)	12.50 (4.0 - 14.0)	14.00 (4.5 - 15.0)	15.50 (5.0 - 16.5)
	Heating (Rated (Min - Max))	kW	11.20 (2.7 - 14.0)	14.00 (4.2 - 16.5)	15.50 (1.7 - 18.0)	18.00 (5.1 - 19.0)
Input Power	Cooling (Rated (Max))	kW	3.08 (4.01)	3.80 (5.16)	4.64 (5.17)	4.94 (6.02)
	Heating (Rated (Max))	kW	2.80 (4.21)	3.42 (5.22)	4.40 (5.23)	4.89 (6.74)
EER	Cooling	kW / kW	3.25	3.29	3.02	3.14
COP	Heating	kW / kW	4.00	4.09	3.52	3.68
Star Rating	Cooling: Hot/Average/Cold		3 / 2.5 / 3	3 / 2.5 / 3	2.5 / 2.5 / 2.5	2.5 / 2.5 / 2.5
	Heating: Hot/Average/Cold		3 / 2.5 / 1.5	3 / 2.5 / 2	3 / 2 / 1.5	2.5 / 2 / 1.5
TCSPF ¹	Residential (Hot/Average/Cold)	kW	4.642 / 4.426 / 4.675	4.612 / 4.403 / 4.635	4.339 / 4.147 / 4.390	4.378 / 4.193 / 4.416
HSPF ²	Residential (Hot/Average/Cold)	kW	4.720 / 4.073 / 3.429	4.766 / 4.208 / 3.574	4.691 / 3.937 / 3.306	4.487 / 3.885 / 3.310
Running current	Cooling/Heating		amps	5.2 / 4.7	6.4 / 5.7	7.7 / 7.9
Moisture Removal		l/hr	1.4	0.9	1.6	2.8
Sound Pressure Level	Indoor (Cooling)	High/Quiet	dBA	41 / 36	43 / 35	45 / 36
	Indoor (Heating)	High/Quiet		41 / 36	43 / 35	45 / 36
	Outdoor (Cooling/Heating)	High		53 / 53	55 / 57	55 / 57
Sound Power Level	Outdoor	High		70	71	72
Static Pressure Range	Min - Max		PA	60 - 210	60 - 260	60 - 260
Air Circulation	Indoor (Cooling)	High Fan	l/sec	695	903	986
	Indoor (Heating)	High Fan		695	903	986
Dimensions H x W x D	Indoor		mm	400 x 1050 x 500	425 x 1250 x 490	425 x 1250 x 490
	Outdoor			788 x 940 x 320	998 x 940 x 320	998 x 940 x 320
Net Weight	Indoor		kg	39.00	53.00	53.00
	Outdoor			53.00	67.00	67.00
Connection Pipe Diameter (Liquid/Gas)		mm	9.52 / 15.88	9.52 / 15.88	9.52 / 15.88	9.52 / 15.88
Pipe Length (Max (Precharged))		m	50 (30)	50 (30)	50 (30)	50 (30)
Max Height Difference		m	30	30	30	30
Operation Range	Outdoor (Min - Max)	Cooling	°CDB	-10 to 50	-10 to 50	-10 to 50
		Heating		-15 to 24	-15 to 24	-15 to 24
Refrigerant	Type		R32	R32	R32	R32
	Charge	kg	1,500	2,180	2,180	3,400

¹ Total Cooling Seasonal Performance Factor

² Heating Seasonal Performance Factor

High Static Three Phase R410A

Set Code			SET-ARTG65LHTA	SET-ARTC72LATU	SET-ARTC90LATU
Model No.	Indoor unit		ARTG65LHTA	ARTC72LATU	ARTC90LATU
	Outdoor unit		AOTG65LRLA	AOTA72LALT	AOTA90LALT
Power Source	V / Ph / Hz		400 / 3 / 50		
Capacity	Cooling (Rated (Min - Max))	kW	18.00 (8.4 - 20.0)	20.30 (10.8 - 23.5)	25.00 (11.2 - 28.0)
	Heating (Rated (Min - Max))	kW	20.00 (7.2 - 22.0)	22.60 (12.0 - 26.5)	28.00 (12.5 - 31.5)
Input Power	Cooling (Rated (Max))	kW	0.46 (5.36) ³	6.25 (10.1)	7.82 (12.5)
	Heating (Rated (Max))	kW	0.50 (4.80) ³	6.27 (10.1)	8.24 (12.5)
EER	Cooling	kW / kW	3.09	3.25	3.20
COP	Heating	kW / kW	3.77	3.60	3.40
Star Rating	Cooling: Hot/Average/Cold		2.5 / 2.0 / 2.0	2.0 / 1.5 / 1.5	2.0 / 1.5 / 1.5
	Heating: Hot/Average/Cold		3.5 / 2.5 / 2.0	2.0 / 1.5 / 1.5	1.5 / 1.5 / 1.0
TCSPF ¹	Residential (Hot/Average/Cold)	kW	4.121 / 3.816 / 3.936	3.857 / 3.414 / 3.409	3.838 / 3.451 / 3.469
HSPF ²	Residential (Hot/Average/Cold)	kW	4.609 / 4.167 / 3.819	3.629 / 3.434 / 3.119	3.497 / 3.196 / 2.827
Running current	Cooling/Heating		amps	9.3 / 9.3	11.5 / 12.1
Moisture Removal		l/hr	4.5	4.5	6.0
Sound Pressure Level	Indoor (Cooling)	High/Quiet	dBA	45 / 36	49 / 43
	Indoor (Heating)	High/Quiet		45 / 36	49 / 43
	Outdoor (Cooling/Heating)	High		51 / 53	58 / 59
Sound Power Level	Outdoor	High	70	80	81
Static Pressure Range	Min - Max		PA	60 - 200	50 - 250
Air Circulation	Indoor (Cooling)	High Fan	l/sec	1139	1347
	Indoor (Heating)	High Fan		1139	1347
Dimensions H x W x D	Indoor		mm	360 x 1400 x 850	550 x 1587 x 700
	Outdoor			1428 x 1080 x 480	1690 x 930 x 765
Net Weight	Indoor		kg	69.00	110.00
	Outdoor			163.00	215.00
Connection Pipe Diameter (Liquid/Gas)		mm	12.7 / 25.4	12.7 / 25.4	12.7 / 25.4
Pipe Length (Max (Precharged))		m	75 (30)	75 (20)	75 (20)
Max Height Difference		m	30	30	30
Operation Range	Outdoor (Min - Max)	Cooling	°CDB	-15 to 46	-5 to 46
		Heating		-15 to 24	-15 to 24
Refrigerant	Type		R410A	R410A	R410A
	Charge	kg	5,600	11,200	11,200

³ Indoor & outdoor

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Please ensure you have confirmed installation
requirements and pipe sizes prior to install.

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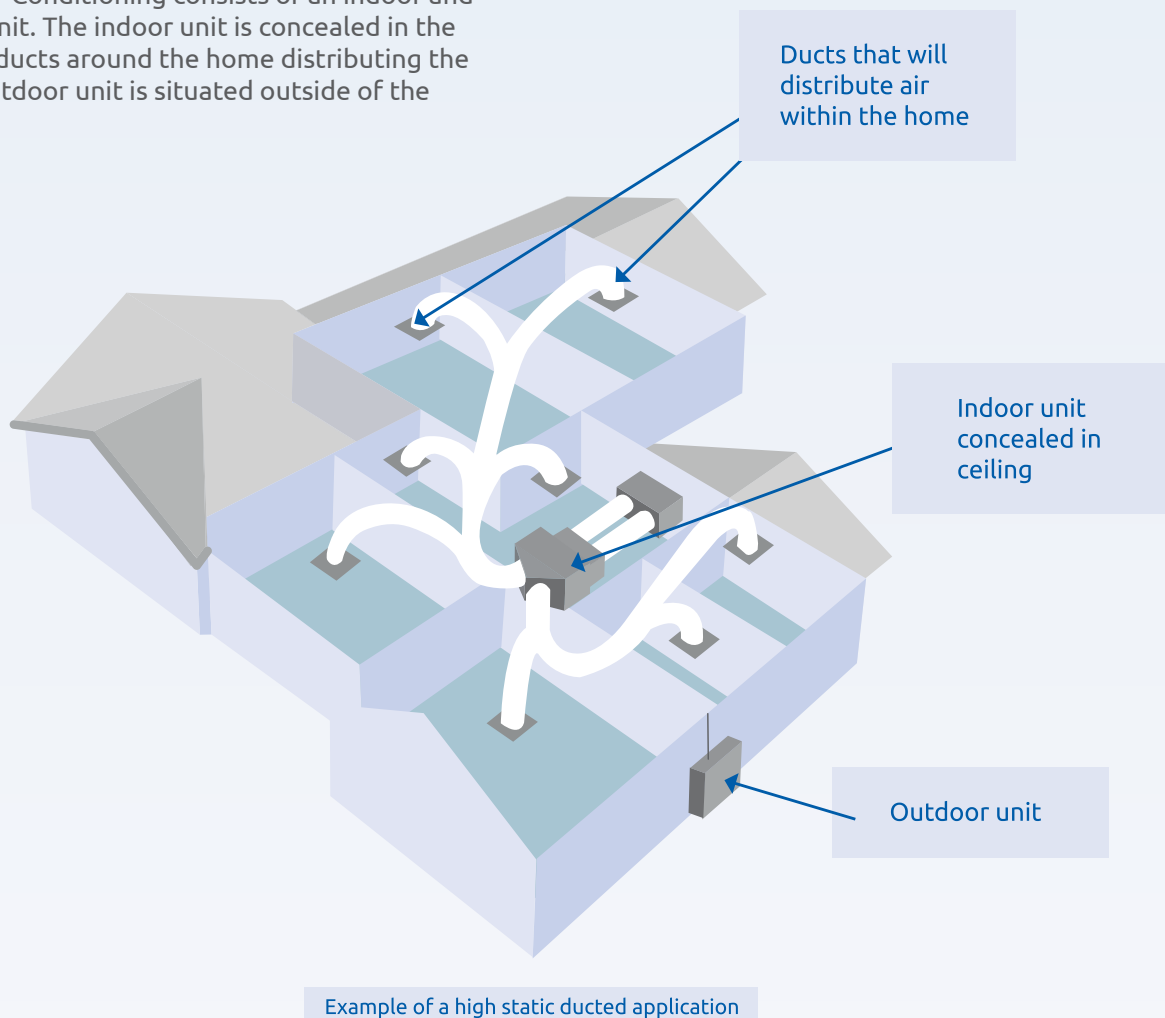


Carrier Inverter Ducted Air Conditioners



About Carrier Inverter Ducted Air Conditioners

Ducted Air Conditioning consists of an indoor and outdoor unit. The indoor unit is concealed in the roof with ducts around the home distributing the air. The outdoor unit is situated outside of the home.



Who is Carrier Air Conditioners?

Founded by the inventor of modern air conditioning Willis Carrier, Carrier is one of the world's leaders in high technology heating, air conditioning and refrigeration solutions. Carrier provides sustainable solutions, integrating energy efficient products, building controls and energy services for residential, commercial, retail, transport and food services customers. Carrier improves the world around us through engineered innovation and environmental stewardship. Carrier is also a leading provider to the aerospace and building systems industries.

In 1902, Willis Carrier solved one of mankind's most elusive challenges by controlling the indoor environment through modern air conditioning. His invention enabled countless industries, promoting global productivity, health and personal comfort.





Slim Line Ducted – QSM Series

Slim line ducted provide solution in light commercial applications and are ideal for hotels, offices and apartments.

- Compact design to fit into most ceiling space
- Static pressure of upto 160Pa
- Constant air volume technology for optimal airflow
- New eccentric fan design for improved performance
- Easy to install and maintain
- 7 year warranty
- Drain pump included

Constant Air Volume Control

With the constant air volume control technology the duct will automatically adjust to perfect static pressure and keep a constant air volume.





High Static Pressure – QSH series

High static ducted are ideal for residential applications, where ducts run to numerous outlets.

- Concealed installation
- Static pressure of 200Pa
- Long ducted connection
- Constant air volume technology for optimal airflow
- Quiet operation
- Easy to install and maintain
- 7 year warranty
- Drain pump optional

Easy Maintenance

The unit can be serviced from both top and bottom. And with QSH170, the splitable design allows the fan part and the coil part to be carried into or out of the ceiling, for the ease of renovation or retrofit installation or service.



Model: 42QSH170D8S



High Static Ducted Product Specifications

SYSTEM			HIGH STATIC				
INDOOR			42QSH090D8S	42QSH105D8S	42QSH125D8S-1	42QSH140D8S	42QSH170D8S
OUTDOOR			38QSH090D8S	38QSH105D8S	38QSH125D8S-1	38QSH140D8S	38QSH170D8S
Refrigerant type			R32	R32	R32	R32	R32
Power supply (Volts-Phase-Hz)			220-240V /1/50Hz	220-240V /1/50Hz	220-240V /1/50Hz	220-240V /1/50Hz	220-240V /1/50Hz
Max input current		A	21	21	31	30	31
COOLING	Capacity - rated	kW	8.60	10.05	12.40	13.60	16.20
	Capacity - range (min ~ max)	kW	2.40 ~ 11.70	2.40 ~ 11.70	3.2 ~ 17.95	4.08 ~ 16.43	3.52 ~ 20.80
	Efficiency (rated)	EER	3.37	3.14	3.38	3.14	3.29
	Operating current (rated)	A	11.07	13.67	18.00	18.14	22.50
HEATING	Capacity - rated	kW	9.14	10.40	12.80	14.00	17.00
	Capacity - range (min ~ max)	kW	2.09 ~ 12.49	2.09 ~ 12.49	2.73 ~ 18.45	3.33 ~ 18.42	2.93 ~ 21.10
	Efficiency (rated)	COP	3.94	3.66	3.94	3.74	3.91
	Operating current (rated)	A	10.10	12.24	14.60	15.62	19.50
INDOOR UNIT	Dimension (WxDxH)	mm	1200x625x380	1200x625x380	1200x625x380	1200x625x380	1400x858x440
	Net weight	kg	54	54	53.3	54.3	81.1
	Airflow volume (H/M/L)	l/s	655/487/333	655/487/333	858/665/397	985/761/513	1056/833/635
	ESP Rated / max	Pa	37 / 200	37 / 200	50 / 200	50 / 200	50 / 200
	Air inlet duct flange	mm	1145 / 334	1145 / 334	1145 / 334	1145 / 334	1188 / 385
	Air outlet duct flange	mm	1000 / 253	1000 / 253	1000 / 253	1000 / 253	1188 / 385
OUTDOOR UNIT	Dimension (WxDxH)	mm	946x410x810	946x410x810	952x415x1333	952x415x1333	952x415x1333
	Net weight	kg	70	70	97.7	97.7	97.7
	Operating noise (sound power) (H)	dBA (@ swl)	67	68	70	70	71
	Cooling usable temperature range	°C	0~50	0~50	0~50	0~50	0~50
	Heating usable temperature range	°C	-20~24	-20~24	-20~24	-20~24	-20~24
PIPE SIZE	Liquid line Ø	(mm)	9.52	9.52	9.52	9.52	9.52
	Gas line Ø	(mm)	15.9	15.9	15.9	15.9	19
	Coupler style	-	flare	flare	flare	flare	flare
	Drain (inside diameter) Ø	mm	21	21	21	21	21
	Maximum length	m	75	75	75	75	75
	Pre-charged length	m	15	15	15	15	15
	Maximum height difference	m	30	30	30	30	30

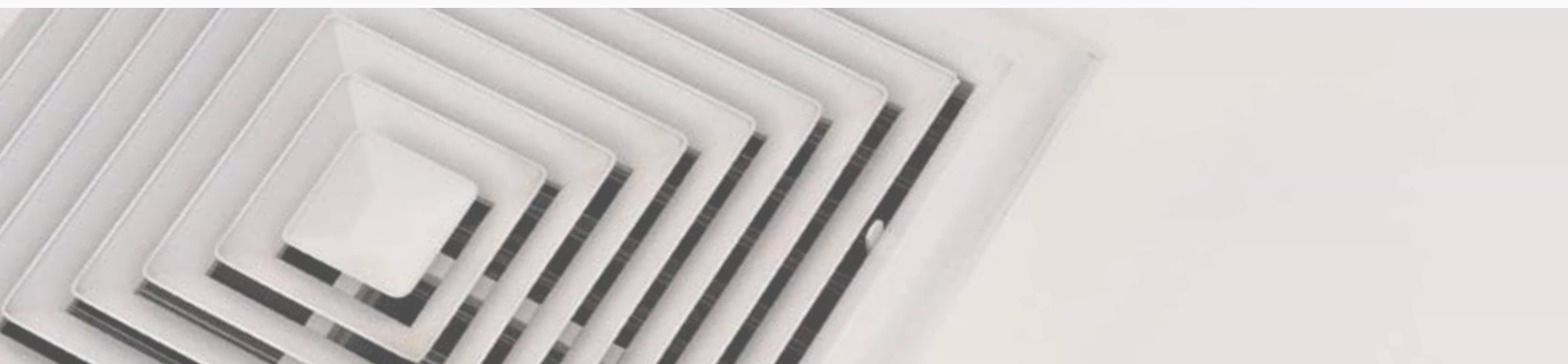
Slim Ducted Product Specifications

SYSTEM			SLIM LINE DUCTED			
INDOOR			42QSM053D8S	42QSM060D8S	42QSM070D8S	42QSM080D8S
OUTDOOR			38QSM053D8S	38QSM060D8S	38QSM070D8S	38QSM080D8S
Refrigerant type			R32	R32	R32	R32
Power supply (Volts-Phase-Hz)			220-240V /1/50Hz	220-240V /1/50Hz	220-240V /1/50Hz	220-240V /1/50Hz
Max input current		A	13.5	16	16	16
COOLING	Capacity - rated	kW	5.28	5.83	7.08	7.85
	Capacity - range (min ~ max)	kW	2.55 ~ 5.86	2.65 ~ 8.83	2.65 ~ 8.83	2.65 ~ 8.83
	Efficiency (rated)	EER	3.41	3.35	3.22	3.14
	Operating current (rated)	A	7.1	7.27	9.16	10.44
HEATING	Capacity - rated	kW	5.65	6.47	7.08	8.25
	Capacity - range (min ~ max)	kW	2.2 ~ 6.15	1.76 ~ 10.52	1.76 ~ 10.52	1.76 ~ 10.52
	Efficiency (rated)	COP	3.79	4.02	3.87	3.59
	Operating current (rated)	A	6.8	6.57	7.44	9.32
INDOOR UNIT	Dimension (WxDxH)	mm	880x674x210	1100x774x249	1100x774x249	1100x774x249
	Net weight	kg	24.4	31.6	31.6	31.6
	Airflow volume (H/M/L)	l/s	253/196/143	416/361/290	416/361/290	416/361/290
	ESP Rated / max	Pa	25 / 100	25 / 160	25 / 160	25 / 160
	Air inlet duct flange	mm	782 / 190	1001 / 228	1001 / 228	1001 / 228
	Air outlet duct flange	mm	706 / 136	926 / 175	926 / 175	926 / 175
OUTDOOR UNIT	Dimension (WxDxH)	mm	805x330x554	890x342x673	890x342x673	890x342x673
	Net weight	kg	32.5	45	45	45
	Operating noise (sound power) (H)	dBA (@ swl)	61	66	66.5	67
	Cooling usable temperature range	°C	-10 ~ 46	0~50	0~50	0~50
	Heating usable temperature range	°C	-15~24	-20~24	-20~24	-20~24
PIPE SIZE	Liquid line Ø	(mm)	6.35	9.52	9.52	9.52
	Gas line Ø	(mm)	12.7	15.9	15.9	15.9
	Coupler style	-	flare	flare	flare	flare
	Drain (inside diameter) Ø	mm	20	21	21	21
	Maximum length	m	30	50	50	50
	Pre-charged length	m	15	15	15	15
	Maximum height difference	m	20	25	25	25



Slim Ducted Product Specifications

SYSTEM			SLIM LINE DUCTED			
INDOOR			42QSM090D8S	42QSM105D8S	42QSM125D8S	42QSM140D8S
OUTDOOR			38QSM090D8S	38QSM105D8S	38QSM125D8S	38QSM140D8S
Refrigerant type			R32	R32	R32	R32
Power supply (Volts-Phase-Hz)			220-240V /1/50Hz	220-240V /1/50Hz	220-240V /1/50Hz	220-240V /1/50Hz
Max input current		A	21	21	31	31
COOLING	Capacity - rated	kW	8.70	10.15	12.30	13.60
	Capacity - range (min ~ max)	kW	2.95 ~ 12.05	2.95 ~ 12.05	3.75 ~ 15.24	3.75 ~ 15.24
	Efficiency (rated)	EER	3.28	3.14	3.45	3.29
	Operating current (rated)	A	11.29	13.79	16.30	18.00
HEATING	Capacity - rated	kW	9.28	10.87	13.00	14.50
	Capacity - range (min ~ max)	kW	2.43 ~12.82	2.43 ~12.82	3.08 ~ 18.46	3.08 ~ 18.46
	Efficiency (rated)	COP	4.00	3.79	4.04	3.81
	Operating current (rated)	A	10.14	12.40	14.40	17.00
INDOOR UNIT	Dimension (WxDxH)	mm	1360x774x249	1360x774x249	1200x874x300	1200x874x300
	Net weight	kg	39.9	39.9	47	47
	Airflow volume (H/M/L)	l/s	615/489/326	615/489/326	525/428/258	525/428/258
	ESP Rated / max	Pa	37 / 160	37 / 160	50 / 160	50 / 160
	Air inlet duct flange	mm	1261 / 228	1261 / 228	1101 / 280	1101 / 280
	Air outlet duct flange	mm	1186 / 175	1186 / 175	1044 / 227	1044 / 227
OUTDOOR UNIT	Dimension (WxDxH)	mm	946x410x810	946x410x810	952x415x1333	952x415x1333
	Net weight	kg	70	70	95.1	95.1
	Operating noise (sound power) (H)	dB(A @ swl)	67	67	70	70
	Cooling usable temperature range	°C	0~50	0~50	0~50	0~50
	Heating usable temperature range	°C	-20~24	-20~24	-20~24	-20~24
PIPE SIZE	Liquid line Ø	(mm)	9.52	9.52	9.52	9.52
	Gas line Ø	(mm)	15.9	15.9	19	19
	Coupler style	-	flare	flare	flare	flare
	Drain (inside diameter) Ø	mm	21	21	21	21
	Maximum length	m	75	75	75	75
	Pre-charged length	m	15	15	15	15
	Maximum height difference	m	30	30	30	30



Carrier Inverter Ducted Air Conditioners

AHIC is committed to continuously improving its product to ensure the highest quality and reliability standards, and to meet local regulations and market requirements.

Product specifications in this brochure are only indicative and are subject to change. These are not intended to be used in place of the engineering or installation book.

All features and specifications are subject to change without prior notice.

All images provided in this catalogue are used for illustration purposes only.

Cooling and heating capacities mentioned for the products are nominal capacities at standard operation conditions.

Equipment rates in accordance with MEPS 3823.2-2011 E&OE
Part number: 1030-092022
Date: Sep 2023



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