

AIRSTAGE

FUJITSU

# Multi Systems

Multiple Room Solutions



# Why Choose Fujitsu?

## New Zealand's Favourite Air®

Fujitsu General is a leading supplier of heat pumps/air conditioners in New Zealand, with a portfolio to suit both residential and commercial applications.

We focus all of our research and manufacturing strengths into heat pumps/air conditioners which has resulted in our extensive range of world-class, energy efficient, market-leading systems.

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

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

## Peace of Mind

Fujitsu's accreditation programme for installers helps ensure that you'll get the right fit for your unique space. A professional installation is essential for the efficient performance of any heat pump/air conditioner.

## Extensive Manufacturer's Warranty

Fujitsu General believes in the quality and reliability of every product we sell. Our 6 year parts and labour warranty applies to residential applications when installed by a Fujitsu Accredited Installer. A standard 5 year warranty applies otherwise.



Please visit [www.fujitsugeneral.co.nz/warranty](http://www.fujitsugeneral.co.nz/warranty) for more information.

## Fujitsu Dealer Network

Fujitsu has a comprehensive network of dealers across New Zealand. This ensures there is a local stockist in your area to assist you in purchasing a Fujitsu heat pump/air conditioning system for your home.



Specialist expertise



6 year manufacturer's  
warranty\*



Trusted brand

\*When the unit is installed by a Fujitsu Accredited Installer (residential installation only).

## A Trusted 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 consistently voted one of New Zealand's most trusted heat pump/air conditioning brands. We are proud to see the amount of trust our customers have in our products and the service provided by our network of Fujitsu Accredited Installers.



## 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 heat pump/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 Auckland and Christchurch. 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.





# Multi Systems

A variety of indoor models ranging in capacity class from 2.0kW to 7.0kW



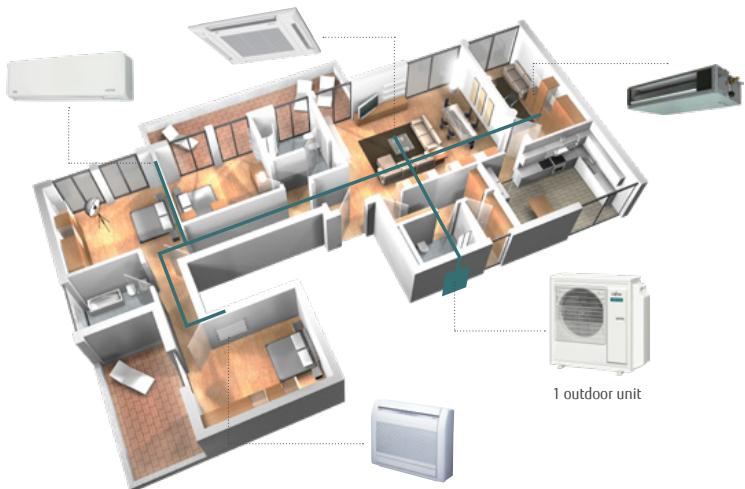
## What are Multi Systems?

A multi system is ideal when individual units are required in more than one room and when a traditional whole home ducted system may not be suitable due to the homes design.

A multi system can cool or heat multiple rooms, allowing for a variety of up to five indoor units to be connected to just one compact outdoor unit. This means greater installation flexibility and outdoor space saving options.

## Wide Range of Options

Fujitsu General's entire range of multi systems now feature R32 refrigerant. The use of R32 refrigerant improves heat transfer and compared to the commonly used R410A refrigerant, has a 67 per cent<sup>1</sup> lower 'Global Warming Potential Factor' whilst still maintaining the performance of the unit. The 3 room outdoor unit has a rated heating capacity of 8.0kW, the 4 room outdoor unit has a rated heating capacity of 9.6kW and the 5 room outdoor units have rated heating capacities of 12.0kW and 13.2kW.



## Extensive indoor unit line-up

The range of connectable indoor units on the 3 and 4 room multi systems have been extended to 22 models across 7 different styles, including wall mounted, bulkhead, slimline, mini duct, cassette, ceiling console, and floor mounted. The connectable indoor units on the 5 room multi systems have also been extended to 19 models across 6 different styles, including wall mounted, bulkhead, slimline, mini duct, compact cassette and ceiling console. This flexibility ensures a tailored solution for each room. The indoor units can be controlled individually via a remote control or simultaneously via an optional central controller.

## Flexible Installation

Due to the latest design, flexible installation of the outdoor unit is possible even in limited and narrow spaces.

# R32 Multi Systems

- ✓ Up to 22 indoor units to choose from
- ✓ Space saving - requires only one outdoor unit
- ✓ Individual room temperature control
- ✓ R32 refrigerant
- ✓ Central controller option
- ✓ Easy installation and setup

## Indoor units



## Range

### BULKHEAD

Capacity Class from  
2.5kW to 5.0kW

## Models

ARTH09KLLAP  
ARTH12KLLAP  
ARTH18KLLAP



### MINI DUCT

Capacity Class from  
2.5kW to 5.0kW

ARTH09KSLAP  
ARTH12KSLAP  
ARTH18KSLAP



### MID STATIC SLIMLINE

Capacity Class from  
5.0kW to 7.0kW

ARTH18KMTAP  
ARTH24KMTAP



### WALL MOUNTED

Capacity Class from  
2.0kW to 7.0kW

ASTH07KMCD    ASTH14KMCD    ASTH24KMTE  
ASTH09KMCD    ASTH18KMTD    ASTH22KMTD



### CASSETTE

Capacity Class from  
2.5kW to 5.0kW

AUTH09KVLA-GR  
AUTH12KVLA-GR  
AUTH18KVLA-GR



### FLOOR MOUNT

Capacity Class from  
2.5kW to 4.0kW

AGTG09KVCA  
AGTG12KVCA  
AGTG14KVCA

Not compatible with 5 room multi outdoor units AOTH36KBTAS and AOTH45KBTAS.

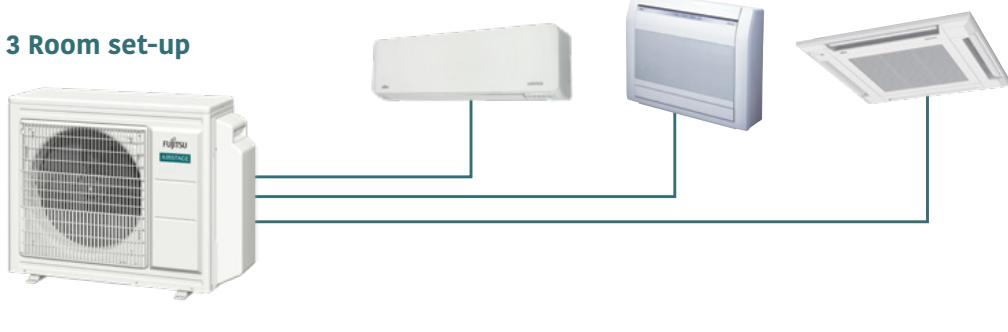


### CEILING CONSOLE

Capacity Class of  
5.0kW

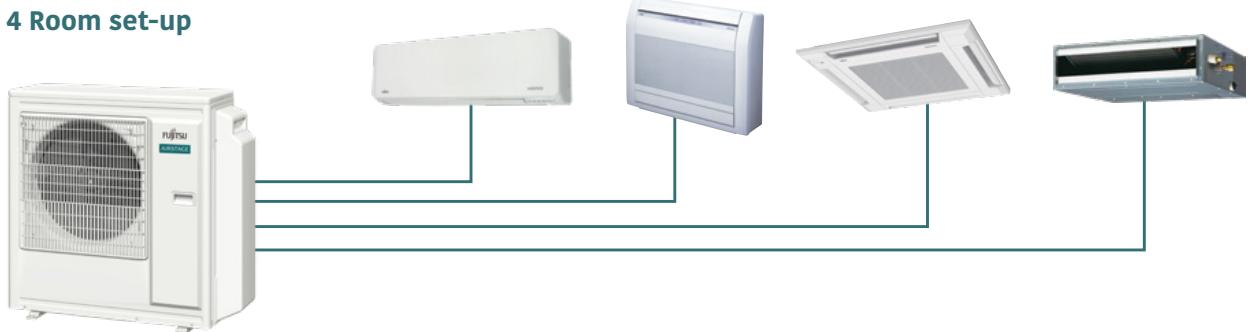
ABTH18KRTA

### 3 Room set-up



AOTH24KBCA3

### 4 Room set-up



AOTH30KBTA4

### 5 Room set-up



AOTH36KBTA5

AOTH45KBTA5

# Feature Checklist

		ARTH09KLLAP	ARTH12KLLAP	ARTH18KLLAP	ARTH09KSLAP	ARTH12KSLAP	ARTH18KSLAP	ARTH18KMTAP	ARTH24KMTAP
		BULKHEAD		MINI DUCT		MID STATIC SLIMLINE			
<b>10°C Heat Operation</b>	The room temperature can be set to go no lower than 10°C, ensuring that the room does not get too cold when not occupied								
<b>Apple-Catechin Filter</b>	Fine dust, invisible mould spores and harmful microorganisms are absorbed onto the filter by static electricity and further growth is inhibited and deactivated by the polyphenol ingredient extracted from apples								
<b>Auto Changeover</b>	Automatically switches between operating modes based on the temperature setting and room temperature	✓	✓	✓	✓	✓	✓	✓	✓
<b>Auto Restart</b>	The unit will automatically restart in the same operating mode after a temporary loss of power	✓	✓	✓	✓	✓	✓	✓	✓
<b>Automatic Fan Speed</b>	The micro processor automatically adjusts the airflow effectively to follow the changes of room temperature	✓	✓	✓	✓	✓	✓	✓	✓
<b>Automatic Louvre</b>	The position of the louvres is set automatically to match the operating mode. It is also possible to adjust the louvres using the remote control								
<b>Connectable Distributing Duct</b>	Systems are capable of attaching field-supplied branch ducts distributing the airflow							✓	✓
<b>Connectable Fresh Air Duct</b>	Systems are capable of attaching field-supplied branch ducts to bring fresh air in							✓	✓
<b>Economy Mode</b>	The temperature will adjust by 1°C to allow for a reduction in power drawn from the compressor to help save energy	✓	✓	✓	✓	✓	✓	✓	✓
<b>Filter Sign</b>	Set the interval frequency to be reminded to clean the air filter on your unit							✓	✓
<b>Human Sensor</b>	The human sensor detects movement so that when occupants leave the room, the heat pump/air conditioner switches into energy saving mode after 20 minutes should no movement be detected. When occupants re-enter the room, it returns to normal operation								
<b>Long-life Ion Deodorisation Filter</b>	The filter deodorises by powerfully decomposing absorbed odours using the oxidising and reducing effects of ion generated by the ultra-fine-particle ceramic								
<b>Low Noise Mode</b>	The compressor speed and the outdoor unit fan speed are limited to reduce the operational noise								
<b>On-Off Timer</b>	Can be set to operate once every 24 hours	✓	✓	✓	✓	✓	✓	✓	✓
<b>Program Timer</b>	Allows selection of one of four options. ON, OFF, ON->OFF, or OFF->ON	✓	✓	✓	✓	✓	✓	✓	✓
<b>Powerful Mode</b>	This mode will operate the heat pump/air conditioner at maximum capacity for 20 minutes, providing comfort faster than ever before								
<b>Sleep Timer</b>	The micro-processor gradually changes the room temperature, allowing you to sleep comfortably at night	✓	✓	✓	✓	✓	✓	✓	✓
<b>Super Quiet Mode</b>	The indoor units fan can operate at a low speed to produce quieter operation								
<b>Washable Panel</b>	Dust which accumulates on the heat pump/air conditioner can be easily cleaned with a damp cloth.								
<b>Weekly Timer</b>	Different on-off timers can be set for up to 7 days	✓	✓	✓	✓	✓	✓	✓	✓

\*Not compatible with 5 room multi outdoor units AOTH36KBTAS5 and AOTH45KBTAS5

- Available when using a wireless remote only.
  - Only available when using a UTY-RNRYT5.

# Multi System Controller Options

## Wired remote controller



UTY-RVRY



UTY-RNRYT5  
UTY-RNRYZ3



UTY-RVNYN

## Wireless remote controller



AR-REJ1E



AR-REW3E



AR-REW1E



AR-REM7E

## Central controller



UTY-DMMYM1

## IR receiver unit



UTY-LBTYM



UTY-LBTYH

OR



## Simple remote controller



UTY-RSRYT



UTY-RHRYT



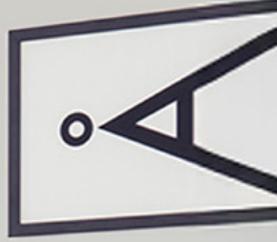
UTY-RSNYN

TYPE	MODEL	WALL MOUNTED		FLOOR	CEILING CONSOLE	COMPACT CASSETTE	BULKHEAD / MINI DUCT	MID STATIC SLIMLINE
		KMCD	18KMTD / 24KMTE					
WIRED REMOTE CONTROLLER	UTY-RNRYZ3	-	-	-	-	-	A	-
	UTY-RNRYT5	○ <sup>1</sup>	○ <sup>1</sup>	○ <sup>2</sup>	○	○	○	○
	UTY-RNRT	-	-	-	-	-	-	A
	UTY-RVNYN	-	-	-	-	-	-	○
	UTY-RVRY	○	○	○	○	○	○	○
GROUP CONTROLLER	UTY-DMMYM1	○ <sup>1</sup>	○ <sup>1</sup>	○ <sup>2</sup>	○	○	○	○
WIRELESS REMOTE CONTROLLER	AR-REJ1E	-	-	-	-	A	-	-
	AR-REW3E	A	-	-	-	-	-	-
	AR-REW1E	-	A	-	-	-	-	-
	AR-REM7E	-	-	A	-	-	-	-
IR RECEIVER UNIT	UTY-LBTYM	-	-	-	-	○	○	○
	UTY-LBTYH	-	-	-	○	-	-	-
SIMPLE REMOTE CONTROLLER	UTY-RSRYT	○ <sup>1</sup>	○ <sup>1</sup>	○ <sup>2</sup>	○	○	○	○
	UTY-RHRYT	○ <sup>1</sup>	○ <sup>1</sup>	○ <sup>2</sup>	○	○	○	○
	UTY-RSNYN	-	-	-	-	-	-	○

A Standard Accessory ○ Optional ○<sup>1</sup> Optional Communication Kit (UTY-TWRXZ2) is necessary for the installation.

○<sup>2</sup> Optional Communication Kit (UTY-TWRXZ3) is necessary for the installation.

\*Not compatible with 5 room multi outdoor units AOTH36KBTAS and AOTH45KBTAS.



# R32 Product Specifications

## Wall Mounted - Lifestyle (Small)

MODEL NUMBER			ASTH07KMCD	ASTH09KMCD
kW Class			2.0kW Class	2.5kW Class
Power Source			V/PH/HZ	220-240 / 1 / 50
Noise Level	Cool	H/M/L/Q	dBA	38 / 34 / 29 / 21 41 / 36 / 31 / 22
Air Circulation	Heat	H/M/L/Q	l/sec	181 / 150 / 119 / 75 200/161/128/92
Net Dimensions	H x W x D		mm	270 x 834 x 222
Net Weight	kg			10
Pipe Size	Liquid / Gas		mm	Ø6.35 / Ø9.52
				Ø6.35 / Ø9.52



## Wall Mounted - Lifestyle (Small - Medium)

MODEL NUMBER			ASTH12KMCD	ASTH14KMCD
kW Class			3.5kW Class	4.0kW Class
Power Source			V/PH/HZ	220-240 / 1 / 50
Noise Level	Cool	H/M/L/Q	dBA	40 / 35 / 30 / 21 42 / 38 / 33 / 22
Air Circulation	Heat	H/M/L/Q	l/sec	194 / 156 / 119 / 75 214 / 178 / 144 / 92
Net Dimensions	H x W x D		mm	270 x 834 x 222
Net Weight	kg			10
Pipe Size	Liquid / Gas		mm	Ø6.35 / Ø9.52
				Ø6.35 / Ø9.52



## Wall Mounted - Lifestyle (Medium - Large)

MODEL NUMBER			ASTH18KMTD	ASTH22KMTD	ASTH24KMTE
kW Class			5.0kW Class	6.0kW Class	7.0kW Class
Power Source			V/PH/HZ	220-240 / 1 / 50	
Noise Level	Cool	H/M/L/Q	dBA	45 / 40 / 35 / 29 46 / 40 / 35 / 29	48 / 40 / 35 / 29 48 / 40 / 35 / 29
Air Circulation	Heat	H/M/L/Q	l/sec	272 / 225 / 178 / 142 283 / 236 / 178 / 142	294 / 225 / 178 / 142 294 / 236 / 178 / 142
Net Dimensions	H x W x D		mm	280 x 980 x 240	280 x 980 x 240
Net Weight	kg			12.5	12.5
Pipe Size	Liquid / Gas		mm	Ø6.35 / Ø12.70	Ø6.35 / Ø12.70
				Ø6.35 / Ø12.70	Ø6.35 / Ø12.70



## Floor Mount

MODEL NUMBER			AGTG09KVCA*	AGTG12KVCA*	AGTG14KVCA*
kW Class			2.5kW Class	3.5kW Class	4.0kW Class
Power Source			V/PH/HZ	220-240 / 1 / 50	
Noise Level	Cool	H/M/L/Q	dBA	39 / 34 / 28 / 22 39 / 35 / 30 / 22	42 / 36 / 30 / 22 42 / 38 / 32 / 22
Air Circulation	Heat	H/M/L/Q	l/sec	147 / 122 / 100 / 75 147 / 128 / 106 / 75	167 / 136 / 106 / 75 167 / 142 / 114 / 75
Net Dimensions	H x W x D		mm	600 x 740 x 200	600 x 740 x 200
Net Weight	kg			14.00	14.00
Pipe Size	Liquid / Gas		mm	Ø6.35 / Ø9.52	Ø6.35 / Ø9.52
				Ø6.35 / Ø9.52	Ø6.35 / Ø9.52



\*Not compatible with 5 room multi outdoor units AOTH36KBTAS and AOTH45KBTAS.

## Ceiling Console

MODEL NUMBER			ABTH18KRTA
kW Class		kW	5.0kW Class
Power Source		V/PH/HZ	220-240 / 1 / 50
Noise Level	Cool	H/M/L/Q	dBA
	Heat	H/M/L/Q	dBA
Air Circulation	Cool	H/M/L/Q	l/sec
	Heat	H/M/L/Q	l/sec
Net Dimensions	H x W x D		mm
Net Weight	kg		
Pipe Size	Liquid / Gas		mm
			Ø6.35 / Ø12.70



## Cassette

MODEL NUMBER			AUTH09KVA-GR	AUTH12KVA-GR	AUTH18KVA-GR
kW Class			2.5kW Class	3.5kW Class	5.0kW Class
Power Source			V/PH/HZ		
Noise Level	Cool	H/M/L/Q	dBA	33 / 31 / 29 / 27	37 / 34 / 31 / 28
	Heat			34 / 32 / 29 / 27	37 / 34 / 31 / 29
Air Circulation	Cool	H/M/L/Q	l/sec	150 / 136 / 122 / 108	169 / 147 / 131 / 114
	Heat			150 / 136 / 122 / 108	169 / 147 / 131 / 114
Grille Model Number			UTG-UFYF-W		
Net Dimensions - Indoor	H x W x D	mm	245 x 570 x 570		
Net Weight - Indoor		kg	15		
Net Dimensions - Grille	H x W x D	mm	49 x 620 x 620		
Weight - Grille		kg	2.30		
Pipe Size	Liquid / Gas	mm	Ø6.35 / Ø9.52		



## Compact Bulkhead

MODEL NUMBER			ARTH09KLLAP	ARTH12KLLAP	ARTH18KLLAP
kW Class			2.5kW Class	3.5kW Class	5.0kW Class
Power Source			V/PH/HZ		
Noise Level	Cool	H/M/L/Q	dBA	28 / 27 / 26 / 24	29 / 28 / 27 / 26
	Heat			28 / 26 / 25 / 24	29 / 28 / 27 / 24
Air Circulation	Cool	H/M/L/Q	l/sec	167 / 153 / 139 / 125	181 / 167 / 153 / 133
	Heat			167 / 153 / 139 / 125	181 / 167 / 153 / 133
Static Pressure Range			Pa	0-90	0-90
Net Dimensions	H x W x D	mm	198 x 700 x 620		
Net Weight		kg	17.00		
Pipe Size	Liquid / Gas	mm	Ø6.35 / Ø9.52		



## Mini Duct

MODEL NUMBER			ARTH09KSLAP	ARTH12KSLAP	ARTH18KSLAP
kW Class			2.5kW Class	3.5kW Class	5.0kW Class
Power Source			V/PH/HZ		
Noise Level	Cool	H/M/L/Q	dBA	29 / 26 / 24 / 23	31 / 27 / 25 / 23
	Heat			29 / 26 / 24 / 23	31 / 27 / 25 / 23
Air Circulation	Cool	H/M/L/Q	l/sec	167 / 125 / 111 / 100	181 / 136 / 119 / 100
	Heat			167 / 125 / 111 / 100	181 / 136 / 119 / 100
Static Pressure Range			Pa	0-30	0-30
Net Dimensions	H x W x D	mm	198 x 700 x 450		
Net Weight		kg	15.50		
Pipe Size	Liquid / Gas	mm	Ø6.35 / Ø9.52		



## Mid Static Slimline

MODEL NUMBER			ARTH18KMTAP	ARTH24KMTAP
kW Class			5.0kW Class	7.0kW Class
Power Source			V/PH/HZ	
Noise Level	Cool	H/M/L/Q	dBA	33 / 28 / 25 / 23
	Heat			33 / 28 / 25 / 23
Air Circulation	Cool	H/M/L/Q	l/sec	300 / 239 / 211 / 181
	Heat			300 / 239 / 211 / 181
Static Pressure Range			Pa	50 - 150
Net Dimensions	H x W x D	mm	240 x 1000 x 700	
Net Weight		kg	31.00	
Pipe Size	Liquid / Gas	mm	Ø6.35 / Ø12.7	



# Outdoor Product Specifications

Outdoor Unit			AOTH24KBCA3	AOTH30KBTA4	AOTH36KBTA5	AOTH45KBTA5	
Power Source	V / Ph / Hz		220-240 / 1 / 50				
Capacity	Cooling (Rated (Min - Max))	kW	6.8 (1.8 - 8.5)	8.0 (2.4 - 10.1)	10.0 (3.5 - 12.5)	12.5 (3.5 - 14.0)	
	Heating (Rated (Min - Max))	kW	8.0 (2.0 - 9.2)	9.6 (3.0 - 12.0)	12.0 (3.5 - 14.0)	13.5 (3.5 - 16.0)	
Input Power	Cooling (Rated (Max))	kW	1.74 (2.65)	2.05 (2.88)	2.44 (3.70)	3.57 (4.20)	
	Heating (Rated (Max))	kW	1.76 (2.35)	2.00 (3.25)	2.47 (3.10)	2.93 (4.00)	
EER	Cooling	kW / kW	3.90	3.90	4.10	3.50	
COP	Heating	kW / kW	4.54	4.80	4.86	4.50	
TCSPF <sup>1</sup>	Residential (Hot/Average/Cold)	kW	5.601 / 5.332 / 5.642	5.663 / 5.402 / 5.72	5.744 / 5.477 / 5.763	5.537 / 5.277 / 5.696	
HSPF <sup>2</sup>	Residential (Hot/Average/Cold)	kW	5.583 / 4.919 / 4.161	5.548 / 4.951 / 4.183	5.799 / 5.148 / 4.351	5.755 / 5.041 / 4.300	
Running current	Cooling/Heating	amps	7.7 / 7.8	9.1 / 8.9	10.8 / 11.0	15.8 / 13.0	
Sound Pressure Level <sup>3</sup>	Outdoor (Cooling/Heating)	High	dBA	46 / 52	48 / 54	52 / 54	
Sound Power Level	Outdoor	High		61	65	68	
Dimensions	Outdoor	H x W x D	mm	716 x 820 x 315	884 x 820 x 315	998 x 940 x 320	
Net Weight	Outdoor		kg	46	59	74	
Connection Pipe Sizes	Unit A	Liquid / Gas	mm	6.35 / 12.7	6.35 / 12.7	6.35 / 12.7	
	Unit B			6.35 / 9.52	6.35 / 12.7	6.35 / 12.7	
	Unit C			6.35 / 9.52	6.35 / 9.52	6.35 / 9.52	
	Unit D			-	6.35 / 9.52	6.35 / 9.52	
	Unit E			-	-	6.35 / 9.52	
Pipe Length (Max (Precharged))			m	50 (30)	70 (40)	80 (50)	
Max Height Difference			m	15	15	15	
Max Height Difference (between indoor units)			m	10	10	10	
Operation Range	Outdoor (Min - Max)	Cooling	°CDB	-10 to 50	-10 to 50	-15 to 50	
		Heating		-15 to 24	-15 to 24	-15 to 24	
Refrigerant	Type			R32	R32	R32	
	Charge		g	1800	2500	3000	

<sup>1</sup>Total Cooling Seasonal Performance Factor

<sup>2</sup> Heating Seasonal Performance Factor

<sup>3</sup> Measured values in manufacturer's anechoic chamber. Because of the surrounding sound environment, the sound levels measured in actual installation conditions might be higher than the specified values here.

## Specifications and features

Products in this brochure contain R32 refrigerant. Please refer to specifications before installation and servicing this product. Only persons and / or companies qualified and experienced in the installation, service and repair of refrigerant products should be permitted to do so. The purchaser must ensure that the person and / or company who is to install, service or repair this air conditioner has qualifications and experience in refrigerant products. Suitable access for warranty and service is required. Future improvements, specifications, designs of product and availability are subject to change without notice. Please check with your Dealer.

All Capacity and Energy Efficiency ratings are based on AS / NZS3823.2.

Cooling	Indoor temperature 27°C DB / 19°C WB Outdoor temperature 35°C DB	Heating	Indoor temperature 20°C DB Outdoor temperature 7°C DB / 6°C WB
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Running current is at rated conditions (AS3823) and does not include compressor start-up or variations in power supply and load conditions.



# Connection Charts

**AOTH24KBCA3 (2 - 3 ROOMS)**

COMBINATION NO.	UNIT 1	UNIT 2	UNIT 3	TOTAL
1	7	7	-	14
2	7	9	-	16
3	7	12	-	19
4	7	14	-	21
5	7	18	-	25
6	9	9	-	18
7	9	12	-	21
8	9	14	-	23
9	9	18	-	27
10	12	12	-	24
11	12	14	-	26
12	12	18	-	30
13	14	14	-	28
14	14	18	-	32
15	7	7	7	21
16	7	7	9	23
17	7	7	12	26
18	7	7	14	28
19	7	7	18*	32
20	7	9	9	25
21	7	9	12	28
22	7	9	14	30
23	7	9	18*	34
24	7	12	12	31
25	7	12	14	33
26	7	14	14	35
27	9	9	9	27
28	9	9	12	30
29	9	9	14	32
30	9	9	18*	36
31	9	12	12	33
32	9	12	14	35
33	12	12	12	36

**AOTH30KBTA4 (2 - 4 ROOMS)**

COMBINATION NO.	UNIT 1	UNIT 2	UNIT 3	UNIT 4	TOTAL
1	7	22	-	-	29
2	7	24	-	-	31
3	9	22	-	-	31
4	9	24	-	-	33
5	12	22	-	-	34
6	12	24	-	-	36
7	14	18	-	-	32
8	14	22	-	-	36
9	14	24	-	-	38
10	18	18	-	-	36
11	18	22	-	-	40
12	18	24	-	-	42
13	22	22	-	-	44
14	22	24	-	-	46
15	24	24	-	-	48
16	7	7	12	-	26
17	7	7	14	-	28
18	7	7	18	-	32
19	7	7	22	-	36
20	7	7	24	-	38
21	7	9	9	-	25
22	7	9	12	-	28
23	7	9	14	-	30
24	7	9	18	-	34
25	7	9	22	-	38
26	7	9	24	-	40
27	7	12	12	-	31
28	7	12	14	-	33
29	7	12	18	-	37
30	7	12	22	-	41
31	7	12	24	-	43
32	7	14	14	-	35
33	7	14	18	-	39
34	7	14	22	-	43
35	7	14	24	-	45
36	7	18	18	-	43
37	7	18	22	-	47
38	7	18	24	-	49
39	9	9	9	-	27
40	9	9	12	-	30
41	9	9	14	-	32
42	9	9	18	-	36
43	9	9	22	-	40
44	9	9	24	-	42
45	9	12	12	-	33
46	9	12	14	-	35
47	9	12	18	-	39
48	9	12	22	-	43
49	9	12	24	-	45
50	9	14	14	-	37
51	9	14	18	-	41
52	9	14	22	-	45
53	9	14	24	-	47
54	9	18	18	-	45
55	9	18	22	-	49
56	12	12	12	-	36
57	12	12	14	-	38

COMBINATION NO.	UNIT 1	UNIT 2	UNIT 3	UNIT 4	TOTAL
58	12	12	18	-	42
59	12	12	22	-	46
60	12	12	24	-	48
61	12	14	14	-	40
62	12	14	18	-	44
63	12	14	22	-	48
64	12	18	18	-	48
65	14	14	14	-	42
66	14	14	18	-	46
67	7	7	7	7	28
68	7	7	7	9	30
69	7	7	7	12	33
70	7	7	7	14	35
71	7	7	7	18	39
72	7	7	7	22	43
73	7	7	7	24	45
74	7	7	9	9	32
75	7	7	9	12	35
76	7	7	9	14	37
77	7	7	9	18	41
78	7	7	9	22	45
79	7	7	9	24	47
80	7	7	12	12	38
81	7	7	12	14	40
82	7	7	12	18	44
83	7	7	12	22	48
84	7	7	14	14	42
85	7	7	14	18	46
86	7	9	9	9	34
87	7	9	9	12	37
88	7	9	9	14	39
89	7	9	9	18	43
90	7	9	9	22	47
91	7	9	9	24	49
92	7	9	12	12	40
93	7	9	12	14	42
94	7	9	12	18	46
95	7	9	14	14	44
96	7	9	14	18	48
97	7	12	12	12	43
98	7	12	12	14	45
99	7	12	12	18	49
100	7	12	14	14	47
101	7	14	14	14	49
102	9	9	9	9	36
103	9	9	9	12	39
104	9	9	9	14	41
105	9	9	9	18	45
106	9	9	9	22	49
107	9	9	12	12	42
108	9	9	12	14	44
109	9	9	12	18	48
110	9	9	14	14	46
111	9	12	12	12	45
112	9	12	12	14	47
113	9	12	14	14	49
114	12	12	12	12	48

## 2 - 4 Room Multi System Unit Reference Guide

UNIT NO.	BULKHEAD	MINI DUCT	MID STATIC SLIMLINE	WALL MOUNTED	CASSETTE	FLOOR MOUNT	CEILING CONSOLE
7				ASTH07KMCD			
9	ARTH09KLLAP	ARTH09KSLAP		ASTH09KMCD	AUTH09KVLA-GR	AGTG09KVCA	
12	ARTH12KLLAP	ARTH12KSLAP		ASTH12KMCD	AUTH12KVLA-GR	AGTG12KVCA	
14				ASTH14KMCD		AGTG14KVCA	
18	ARTH18KLLAP	ARTH18KSLAP	ARTH18KMTAP	ASTH18KMTD	AUTH18KVLA-GR		ABTH18KRTA
22				ASTH22KMTD			
24			ARTH24KMTAP	ASTH24KMTE			

NOTE: The connection charts reference possible combinations as per capacity class, please refer to technical manual for actual indoor capacities.

\*Mid Static Slimline cannot be connected in this combination.

## AOTH36KBTAS (2 - 5 ROOMS)

COMBINATION NO.	UNIT 1	UNIT 2	UNIT 3	UNIT 4	UNIT 5	TOTAL
1	7	24	-	-	-	31
2	9	22	-	-	-	31
3	9	24	-	-	-	33
4	12	22	-	-	-	34
5	12	24	-	-	-	36
6	14	22	-	-	-	36
7	14	24	-	-	-	38
8	18	18	-	-	-	36
9	18	22	-	-	-	40
10	18	24	-	-	-	42
11	22	22	-	-	-	44
12	22	24	-	-	-	46
13	24	24	-	-	-	48
14	7	7	14	-	-	28
15	7	7	18	-	-	32
16	7	7	22	-	-	36
17	7	7	24	-	-	38
18	7	9	12	-	-	28
19	7	9	14	-	-	30
20	7	9	18	-	-	34
21	7	9	22	-	-	38
22	7	9	24	-	-	40
23	7	12	12	-	-	31
24	7	12	14	-	-	33
25	7	12	18	-	-	37
26	7	12	22	-	-	41
27	7	12	24	-	-	43
28	7	14	14	-	-	35
29	7	14	18	-	-	39
30	7	14	22	-	-	43
31	7	14	24	-	-	45
32	7	18	18	-	-	43
33	7	18	22	-	-	47
34	7	18	24	-	-	49
35	9	9	9	-	-	27
36	9	9	12	-	-	30
37	9	9	14	-	-	32
38	9	9	18	-	-	36
39	9	9	22	-	-	40
40	9	9	24	-	-	42
41	9	12	12	-	-	33
42	9	12	14	-	-	35
43	9	12	18	-	-	39
44	9	12	22	-	-	43
45	9	12	24	-	-	45
46	9	14	14	-	-	37
47	9	14	18	-	-	41
48	9	14	22	-	-	45
49	9	14	24	-	-	47
50	9	18	18	-	-	45
51	9	18	22	-	-	49
52	9	18	24	-	-	51
53	12	12	12	-	-	36
54	12	12	14	-	-	38
55	12	12	18	-	-	42
56	12	12	22	-	-	46
57	12	12	24	-	-	48
58	12	14	14	-	-	40
59	12	14	18	-	-	44
60	12	14	22	-	-	48
61	12	14	24	-	-	50
62	12	18	18	-	-	48
63	12	18	22	-	-	52
64	12	18	24	-	-	54
65	14	14	14	-	-	42

COMBINATION NO.	UNIT 1	UNIT 2	UNIT 3	UNIT 4	UNIT 5	TOTAL
66	14	14	18	-	-	46
67	14	14	22	-	-	50
68	14	14	24	-	-	52
69	14	18	18	-	-	50
70	18	18	18	-	-	54
71	7	7	7	7	-	28
72	7	7	7	9	-	30
73	7	7	7	12	-	33
74	7	7	7	14	-	35
75	7	7	7	18	-	39
76	7	7	7	22	-	43
77	7	7	7	24	-	45
78	7	7	9	9	-	32
79	7	7	9	12	-	35
80	7	7	9	14	-	37
81	7	7	9	18	-	41
82	7	7	9	22	-	45
83	7	7	9	24	-	47
84	7	7	12	12	-	38
85	7	7	12	14	-	40
86	7	7	12	18	-	44
87	7	7	12	22	-	48
88	7	7	12	24	-	50
89	7	7	14	14	-	42
90	7	7	14	18	-	46
91	7	7	14	22	-	50
92	7	7	14	24	-	52
93	7	7	18	18	-	50
94	7	9	9	9	-	34
95	7	9	9	12	-	37
96	7	9	9	14	-	39
97	7	9	9	18	-	43
98	7	9	9	22	-	47
99	7	9	9	24	-	49
100	7	9	12	12	-	40
101	7	9	12	14	-	42
102	7	9	12	18	-	46
103	7	9	12	22	-	50
104	7	9	12	24	-	52
105	7	9	14	14	-	44
106	7	9	14	18	-	48
107	7	9	14	22	-	52
108	7	9	14	24	-	54
109	7	9	18	18	-	52
110	7	12	12	12	-	43
111	7	12	12	14	-	45
112	7	12	12	18	-	49
113	7	12	14	14	-	47
114	7	12	14	18	-	51
115	7	14	14	14	-	49
116	7	14	14	18	-	53
117	9	9	9	9	-	36
118	9	9	9	12	-	39
119	9	9	9	14	-	41
120	9	9	9	18	-	45
121	9	9	9	22	-	49
122	9	9	9	24	-	51
123	9	9	12	12	-	42
124	9	9	12	14	-	44
125	9	9	12	18	-	48
126	9	9	12	22	-	52
127	9	9	12	24	-	54
128	9	9	14	14	-	46
129	9	9	14	18	-	50
130	9	9	18	18	-	54

COMBINATION NO.	UNIT 1	UNIT 2	UNIT 3	UNIT 4	UNIT 5	TOTAL
131	9	12	12	12	-	45
132	9	12	12	14	-	47
133	9	12	12	18	-	51
134	9	12	14	14	-	49
135	9	12	14	18	-	53
136	9	14	14	14	-	51
137	12	12	12	12	-	48
138	12	12	12	14	-	50
139	12	12	12	18	-	54
140	12	12	14	14	-	52
141	12	14	14	14	-	54
142	7	7	7	7	7	35
143	7	7	7	9	9	37
144	7	7	7	7	12	40
145	7	7	7	7	14	42
146	7	7	7	7	18	46
147	7	7	7	7	22	50
148	7	7	7	7	24	52
149	7	7	7	9	9	39
150	7	7	7	9	12	42
151	7	7	7	9	14	44
152	7	7	7	9	18	48
153	7	7	7	9	22	52
154	7	7	7	9	24	54
155	7	7	7	12	12	45
156	7	7	7	12	14	47
157	7	7	7	12	18	51
158	7	7	7	14	14	49
159	7	7	7	14	18	53
160	7	7	9	9	9	41
161	7	7	9	9	12	44
162	7	7	9	9	14	46
163	7	7	9	9	18	50
164	7	7	9	9	22	54
165	7	7	9	12	12	47
166	7	7	9	12	14	49
167	7	7	9	9	12	53
168	7	7	9	14	14	51
169	7	7	12	12	12	50
170	7	7	12	12	14	52
171	7	7	12	14	14	54
172	7	9	9	9	9	43
173	7	9	9	9	12	46
174	7	9	9	9	14	48
175	7	9	9	9	18	52
176	7	9	9	12	12	49
177	7	9	9	12	14	51
178	7	9	9	14	14	53
179	7	9	12	12	12	52
180	7	9	12	12	14	54
181	9	9	9	9	9	45
182	9	9	9	9	12	48
183	9	9	9	9	14	50
184	9	9	9	9	18	54
185	9	9	9	12	12	51
186	9	9	9	12	14	53
187	9	9	12	12	12	54

NOTE: Up to 2 units of Medium static pressure duct are connectable to the combination.

## 2 - 5 Room Multi System Unit Reference Guide

UNIT NO.	BULKHEAD	MINI DUCT	MID STATIC SLIMLINE	WALL MOUNTED	CASSETTE	CEILING CONSOLE
7				ASTH07KMCD		
9	ARTH09KLLAP	ARTH09KSLAP		ASTH09KMCD	AUTH09KVLA-GR	
12	ARTH12KLLAP	ARTH12KSLAP		ASTH12KMCD	AUTH12KVLA-GR	
14				ASTH14KMCD		
18	ARTH18KLLAP	ARTH18KSLAP	ARTH18KMTAP	ASTH18KMTD	AUTH18KVLA-GR	ABTH18KRTA
22				ASTH22KMTD		
24			ARTH24KMTAP	ASTH24KMTE		

NOTE: The connection charts reference possible combinations as per capacity class, please refer to technical manual for actual indoor capacities.

# Connection Charts

## AOTH45KBTAS (2 - 5 ROOMS)

COMBINATION NO.	UNIT 1	UNIT 2	UNIT 3	UNIT 4	UNIT 5	TOTAL
1	12	24	-	-	-	36
2	14	22	-	-	-	36
3	14	24	-	-	-	38
4	18	18	-	-	-	36
5	18	22	-	-	-	40
6	18	24	-	-	-	42
7	22	22	-	-	-	44
8	22	24	-	-	-	46
9	24	24	-	-	-	48
10	7	7	22	-	-	36
11	7	7	24	-	-	38
12	7	9	18	-	-	34
13	7	9	22	-	-	38
14	7	9	24	-	-	40
15	7	12	18	-	-	37
16	7	12	22	-	-	41
17	7	12	24	-	-	43
18	7	14	14	-	-	35
19	7	14	18	-	-	39
20	7	14	22	-	-	43
21	7	14	24	-	-	45
22	7	18	18	-	-	43
23	7	18	22	-	-	47
24	7	18	24	-	-	49
25	7	22	22	-	-	51
26	7	22	24	-	-	53
27	7	24	24	-	-	55
28	9	9	18	-	-	36
29	9	9	22	-	-	40
30	9	9	24	-	-	42
31	9	12	14	-	-	35
32	9	12	18	-	-	39
33	9	12	22	-	-	43
34	9	12	24	-	-	45
35	9	14	14	-	-	37
36	9	14	18	-	-	41
37	9	14	22	-	-	45
38	9	14	24	-	-	47
39	9	18	18	-	-	45
40	9	18	22	-	-	49
41	9	18	24	-	-	51
42	9	22	22	-	-	53
43	9	22	24	-	-	55
44	9	24	24	-	-	57
45	12	12	12	-	-	36
46	12	12	14	-	-	38
47	12	12	18	-	-	42
48	12	12	22	-	-	46
49	12	12	24	-	-	48
50	12	14	14	-	-	40
51	12	14	18	-	-	44
52	12	14	22	-	-	48
53	12	14	24	-	-	50
54	12	18	18	-	-	48
55	12	18	22	-	-	52
56	12	18	24	-	-	54
57	12	22	22	-	-	56
58	12	22	24	-	-	58
59	12	24	24	-	-	60
60	14	14	14	-	-	42
61	14	14	18	-	-	46
62	14	14	22	-	-	50
63	14	14	24	-	-	52
64	14	18	18	-	-	50
65	14	18	22	-	-	54

COMBINATION NO.	UNIT 1	UNIT 2	UNIT 3	UNIT 4	UNIT 5	TOTAL
66	14	18	24	-	-	56
67	14	22	22	-	-	58
68	14	22	24	-	-	60
69	14	24	24	-	-	62
70	18	18	18	-	-	54
71	18	18	22	-	-	58
72	18	18	24	-	-	60
73	7	7	7	14	-	35
74	7	7	7	18	-	39
75	7	7	7	22	-	43
76	7	7	7	24	-	45
77	7	7	9	12	-	35
78	7	7	9	14	-	37
79	7	7	9	18	-	41
80	7	7	9	22	-	45
81	7	7	9	24	-	47
82	7	7	12	12	-	38
83	7	7	12	14	-	40
84	7	7	12	18	-	44
85	7	7	12	22	-	48
86	7	7	12	24	-	50
87	7	7	14	14	-	42
88	7	7	14	18	-	46
89	7	7	14	22	-	50
90	7	7	14	24	-	52
91	7	7	18	18	-	50
92	7	7	18	22	-	54
93	7	7	18	24	-	56
94	7	7	22	22	-	58
95	7	7	22	24	-	60
96	7	7	24	24	-	62
97	7	9	9	9	-	34
98	7	9	9	12	-	37
99	7	9	9	14	-	39
100	7	9	9	18	-	43
101	7	9	9	22	-	47
102	7	9	9	24	-	49
103	7	9	12	12	-	40
104	7	9	12	14	-	42
105	7	9	12	18	-	46
106	7	9	12	22	-	50
107	7	9	12	24	-	52
108	7	9	14	14	-	44
109	7	9	14	18	-	48
110	7	9	14	22	-	52
111	7	9	14	24	-	54
112	7	9	18	18	-	52
113	7	9	18	22	-	56
114	7	9	18	24	-	58
115	7	12	12	12	-	43
116	7	12	12	14	-	45
117	7	12	12	18	-	49
118	7	12	12	22	-	53
119	7	12	12	24	-	55
120	7	12	14	14	-	47
121	7	12	14	18	-	51
122	7	12	14	22	-	55
123	7	12	14	24	-	57
124	7	12	18	18	-	55
125	7	12	18	22	-	59
126	7	12	18	24	-	61
127	7	14	14	14	-	49
128	7	14	14	18	-	53
129	7	14	14	22	-	57
130	7	14	14	24	-	59

COMBINATION NO.	UNIT 1	UNIT 2	UNIT 3	UNIT 4	UNIT 5	TOTAL
131	7	14	18	18	-	57
132	7	18	18	18	-	61
133	9	9	9	9	-	36
134	9	9	9	12	-	39
135	9	9	9	14	-	41
136	9	9	9	18	-	45
137	9	9	9	22	-	49
138	9	9	9	24	-	51
139	9	9	12	12	-	42
140	9	9	12	14	-	44
141	9	9	12	18	-	48
142	9	9	12	22	-	52
143	9	9	12	24	-	54
144	9	9	14	14	-	46
145	9	9	14	18	-	50
146	9	9	14	22	-	54
147	9	9	14	24	-	56
148	9	9	18	18	-	54
149	9	9	18	22	-	58
150	9	9	18	24	-	60
151	9	12	12	12	-	45
152	9	12	12	14	-	47
153	9	12	12	18	-	51
154	9	12	12	22	-	55
155	9	12	12	24	-	57
156	9	12	14	14	-	49
157	9	12	14	18	-	53
158	9	12	14	22	-	57
159	9	12	14	24	-	59
160	9	12	18	18	-	57
161	9	14	14	14	-	51
162	9	14	14	18	-	55
163	9	14	14	22	-	59
164	9	14	14	24	-	61
165	9	14	18	18	-	59
166	12	12	12	12	-	48
167	12	12	12	14	-	50
168	12	12	12	18	-	54
169	12	12	12	22	-	58
170	12	12	12	24	-	60
171	12	12	14	14	-	52
172	12	12	14	18	-	56
173	12	12	14	22	-	60
174	12	12	14	24	-	62
175	12	12	18	18	-	60
176	12	14	14	14	-	54
177	12	14	14	18	-	58
178	12	14	18	18	-	62
179	7	7	7	7	-	35
180	7	7	7	7	-	37
181	7	7	7	7	-	40
182	7	7	7	7	-	42
183	7	7	7	7	-	46
184	7	7	7	7	-	50
185	7	7	7	7	-	52
186	7	7	7	9	-	39
187	7	7	7	9	-	42
188	7	7	7	9	-	44
189	7	7	7	9	-	48
190	7	7	7	9	-	52
191	7	7	7	9	-	54
192	7	7	7	12	-	45
193	7	7	7	12	-	47
194	7	7	7	12	-	51
195	7	7	7	12	-	55

## 2 - 5 Room Multi System Unit Reference Guide

UNIT NO.	BULKHEAD	MINI DUCT	MID STATIC SLIMLINE	WALL MOUNTED	CASSETTE	CEILING CONSOLE
7				ASTH07KMCD		
9	ARTH09KLLAP	ARTH09KSL				

COMBINATION NO.	UNIT 1	UNIT 2	UNIT 3	UNIT 4	UNIT 5	TOTAL	COMBINATION NO.	UNIT 1	UNIT 2	UNIT 3	UNIT 4	UNIT 5	TOTAL
196	7	7	7	12	24	57	261	9	9	9	12	14	53
197	7	7	7	14	14	49	262	9	9	9	12	18	57
198	7	7	7	14	18	53	263	9	9	9	14	14	55
199	7	7	7	14	22	57	264	9	9	9	14	18	59
200	7	7	7	14	24	59	265	9	9	12	12	12	54
201	7	7	7	18	18	57	266	9	9	12	12	14	56
202	7	7	9	9	9	41	267	9	9	12	12	18	60
203	7	7	9	9	12	44	268	9	9	12	14	14	58
204	7	7	9	9	14	46	269	9	9	12	14	18	62
205	7	7	9	9	18	50	270	9	9	14	14	14	60
206	7	7	9	9	22	54	271	9	12	12	12	12	57
207	7	7	9	9	24	56	272	9	12	12	12	14	59
208	7	7	9	12	12	47	273	9	12	12	14	14	61
209	7	7	9	12	14	49	274	12	12	12	12	12	60
210	7	7	9	12	18	53	275	12	12	12	12	14	62
211	7	7	9	12	22	57							
212	7	7	9	12	24	59							
213	7	7	9	14	14	51							
214	7	7	9	14	18	55							
215	7	7	9	14	22	59							
216	7	7	9	14	24	61							
217	7	7	9	18	18	59							
218	7	7	12	12	12	50							
219	7	7	12	12	14	52							
220	7	7	12	12	18	56							
221	7	7	12	12	22	60							
222	7	7	12	12	24	62							
223	7	7	12	14	14	54							
224	7	7	12	14	18	58							
225	7	7	12	18	18	62							
226	7	7	14	14	14	56							
227	7	7	14	14	18	60							
228	7	9	9	9	9	43							
229	7	9	9	9	12	46							
230	7	9	9	9	14	48							
231	7	9	9	9	18	52							
232	7	9	9	9	22	56							
233	7	9	9	9	24	58							
234	7	9	9	12	12	49							
235	7	9	9	12	14	51							
236	7	9	9	12	18	55							
237	7	9	9	12	22	59							
238	7	9	9	12	24	61							
239	7	9	9	14	14	53							
240	7	9	9	14	18	57							
241*	7	9	9	18	18	61							
242	7	9	12	12	12	52							
243	7	9	12	12	14	54							
244	7	9	12	12	18	58							
245	7	9	12	14	14	56							
246	7	9	12	14	18	60							
247	7	9	14	14	14	58							
248	7	9	14	14	18	62							
249	7	12	12	12	12	55							
250	7	12	12	12	14	57							
251	7	12	12	12	18	61							
252	7	12	12	14	14	59							
253	7	12	14	14	14	61							
254	9	9	9	9	9	45							
255	9	9	9	9	9	48							
256	9	9	9	9	9	50							
257	9	9	9	9	9	54							
258	9	9	9	9	22	58							
259	9	9	9	9	24	60							
260	9	9	9	12	12	51							

NOTE: Up to 2 units of Medium static pressure duct are connectable to the combination. However, in the combination marked with \*, only 1 unit of Medium static pressure duct is connectable.

## 2 - 5 Room Multi System Unit Reference Guide

UNIT NO.	BULKHEAD	MINI DUCT	MID STATIC SLIMLINE	WALL MOUNTED	CASSETTE	CEILING CONSOLE
7				ASTH07KMCD		
9	ARTH09KLLAP	ARTH09KSLAP		ASTH09KMCD	AUTH09KVLA-GR	
12	ARTH12KLLAP	ARTH12KSLAP		ASTH12KMCD	AUTH12KVLA-GR	
14				ASTH14KMCD		
18	ARTH18KLLAP	ARTH18KSLAP	ARTH18KMTAP	ASTH18KMTD	AUTH18KVLA-GR	ABTH18KRTA
22				ASTH22KMTD		
24			ARTH24KMTAP	ASTH24KMTE		

NOTE: The connection charts reference possible combinations as per capacity class, please refer to technical manual for actual indoor capacities.

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

FGNZMULTI08/25

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