

# DUCTED SYSTEMS AND ZONING SOLUTION



AIR CONDITIONING

# MHIAA Ducted Systems

Our powerful yet quiet ducted systems let you enjoy the comfort of air conditioning in every part of your home or office with one packaged solution. With a discreet, low profile design that can be completely concealed in your ceiling and a variety of capacities and control options available, our ducted systems offer a flexible solution for any application.



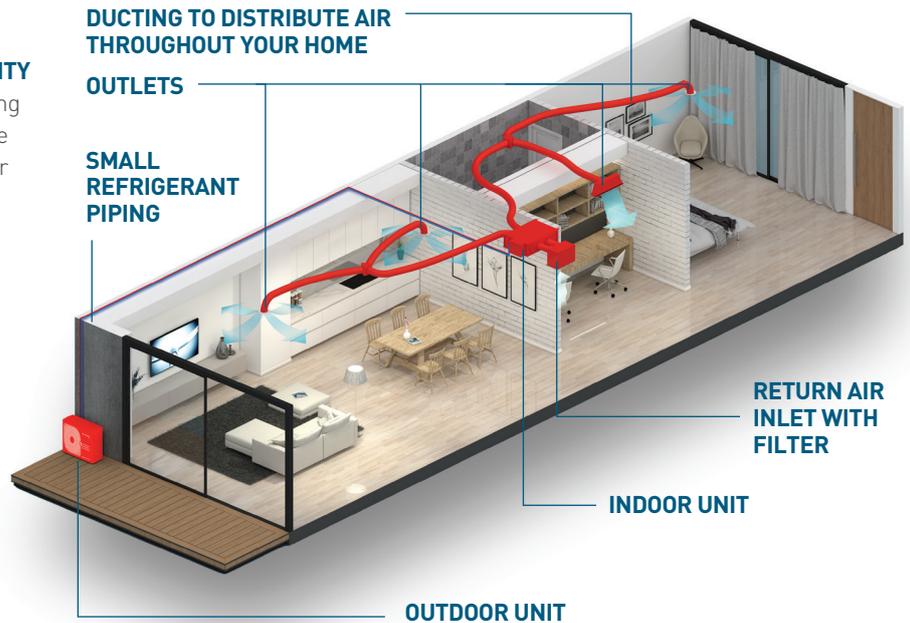
## 5 YEARS PARTS AND LABOUR WARRANTY

Because we focus solely on manufacturing high performance air-conditioners for the Australian market, we're confident all our products are of the highest quality and this is why all MHIAA residential ducted systems are backed with a full 5 years parts and labour warranty.



## EXCEEDING ENERGY PERFORMANCE STANDARDS

In order to comply with Australian and New Zealand standards and deliver the most efficient solutions possible to our customers, all MHIAA ducted systems meet and exceed the Minimum Energy Performance Standards (MEPS).



## FEATURE SUMMARY FDUA & FDUM SERIES

ENERGY SAVING

**SET TEMPERATURE AUTO RETURN\***  
This function allows you to program a preferred set temperature that the unit will return to each time it is operated.

**PEAK-CUT TIMER\***  
To reduce energy cost, power consumption can be reduced by reducing the unit's capacity limit. Using the RC-EX3 wired controller, the user is able to set the timer and the desired capacity limit.

**HOME LEAVE OPERATION\***  
This function allows you set the unit to maintain a moderate indoor temperature during extreme temperature conditions when the room is unoccupied for long periods, avoiding damaging effects to your interiors.

**AIR FILTER**  
The return-air filter traps and removes air borne dust particles and other allergens, providing you with clean air throughout your home.

**FILTER SIGN**  
This warning alerts you when the filter needs to be cleaned.

**EXTERNAL AIR INTAKE**  
This function provides clean fresh air into the room through the external air intake, avoiding the constant recycling of internal air.

COMFORT & CONVENIENCE

**HI-POWER MODE**  
The high power function provides 15mins of boosted power allowing you to quickly heat or cool your home before returning to normal operation. Perfect for when you first get home.

**SILENT OPERATION**  
This function allows you to set periods of time where the unit will operate with reduced noise levels, perfect for night time and providing you with an uninterrupted sleep.

**AUTOMATIC OPERATION**  
This function automatically selects the required heating or cooling function based on the current room conditions and your set temperature.

**WEEKLY TIMER**  
Set your unit to turn on and off automatically on a weekly basis to suit your usual room usage on each day.

**SLEEP TIMER**  
Automatically select your start and stop times for the unit. You can set automatic operation time from 30 minutes up to 240 minutes at 10 minute increments.

**FUNCTION SWITCH**  
You can set two functions to operate automatically from the six available functions on the unit \*\*

MAINTENANCE

**SELF-DIAGNOSTICS**  
The internal micro-computer automatically runs a diagnostic of the system in the event of a malfunction. This enables your authorised dealer to isolate and repair any issues.

**IMPROVED SERVICEABILITY**  
The fan unit (comprised of impeller and motor) is easily accessible from either the side or bottom of the unit and can be slid out for easy maintenance.

**BUILT-IN DRAIN PUMP**  
The built-in drain pump, which includes a lift of 600mm, allows greater flexibility with installation, offering a great solution for applications with limited space.

\* Functions can only be enabled using the RC-EX3 wired controller  
\*\* Not available when a centralised remote control is connected

## FDUA SERIES HIGH STATIC PRESSURE

**7.1kW - 14.0kW** (SINGLE PHASE)

**12.5kW - 20.0kW** (THREE PHASE)

### INCREASED ENERGY EFFICIENCY

With an improved heat exchanger in the outdoor unit, boosting refrigerant distribution throughout the system, coupled with our highly efficient DC fan motor within the indoor unit, the FDUA series boasts industry leading energy efficiencies which means reduced running costs for your home.

### EVEN AIRFLOW IN EVERY ROOM

Given every home is different, the FDUA range allows the system's static pressure to be set manually during installation. This ensures the system delivers the perfect amount of airflow to each room – no matter what the setup, ensuring year round comfort for everyone in your home.

### SUPER QUIET OPERATION

Thanks to our highly efficient DC fan motor, the FDUA series boasts some of the quietest operation levels on the market – with our 7.1kW unit achieving a market leading low of 25 dB (A) on low fan speed. This ensures no interruptions to room acoustics and a good night's sleep for you and your family.



**FDUA71VF (7.1kW)**



**FDUA100-160VF (10.0-16.0kW)**



**FDUA200VG (20.0kW)**

## FDUM SERIES MEDIUM STATIC PRESSURE

**5.0kW - 14.0kW** (SINGLE PHASE)

**12.5kW - 14.0kW** (THREE PHASE)

### HYPER-INVERTER TECHNOLOGY

Our advanced hyper-inverter technology allows our ducted systems to reach the desired temperature quicker than ever before. Once the system has reached the set temperature it will ramp down and maintain this closely, switching on only when required – ensuring your comfort all year round and reducing energy consumption.

### IMPROVED SERVICEABILITY

Designed to improve serviceability for both the FDUA and FDUM series, the fan unit (comprised of impeller and motor) can be easily accessed from either the side or bottom of the unit and pulled out for trouble-free maintenance.

### FLEXIBLE INSTALLATION

With a built-in drain pump, which includes a lift of 600mm, the FDUM allows greater flexibility during installation, making it the perfect solution for applications with limited ceiling space.



**FDUM50-140VF (5.0-14.0kW)**

## AIRZONE ZONING SOLUTION

# Complete comfort. Control without limitations.

Easily integrated into any MHIAA ducted system, the Airzone zoning solution offers the ultimate level of comfort by providing complete temperature control over each individual zone of your home and in turn, delivering high energy efficiencies and huge cost savings.

## Why AIRZONE ?



### INDEPENDENT ZONE CONTROL

Unlike traditional day/night zoning solutions, Airzone allows you to control the set temperature in each individual zone of your home and turn un-used zones on or off - ensuring everyone's comfortable and that your system is always running as efficiently as possible.



### HIGH EFFICIENCIES, LOWER RUNNING COSTS

By integrating the Airzone zoning solution you automatically require a smaller capacity ducted system, saving you costs from outset. Airzone's Q-adapt algorithm also ensures your system is running as efficiently as possible by constantly adjusting the fan speed according to the number of active zones, resulting in reduced running costs. Lastly, with the ability to control individual zones, you can turn un-occupied zones off - saving you energy!



### TOP OF THE LINE, EUROPEAN DESIGN

Designed and manufactured in a state-of-the-art facility in Europe, all Airzone components are of the highest quality and made to withstand the tough Australian conditions.



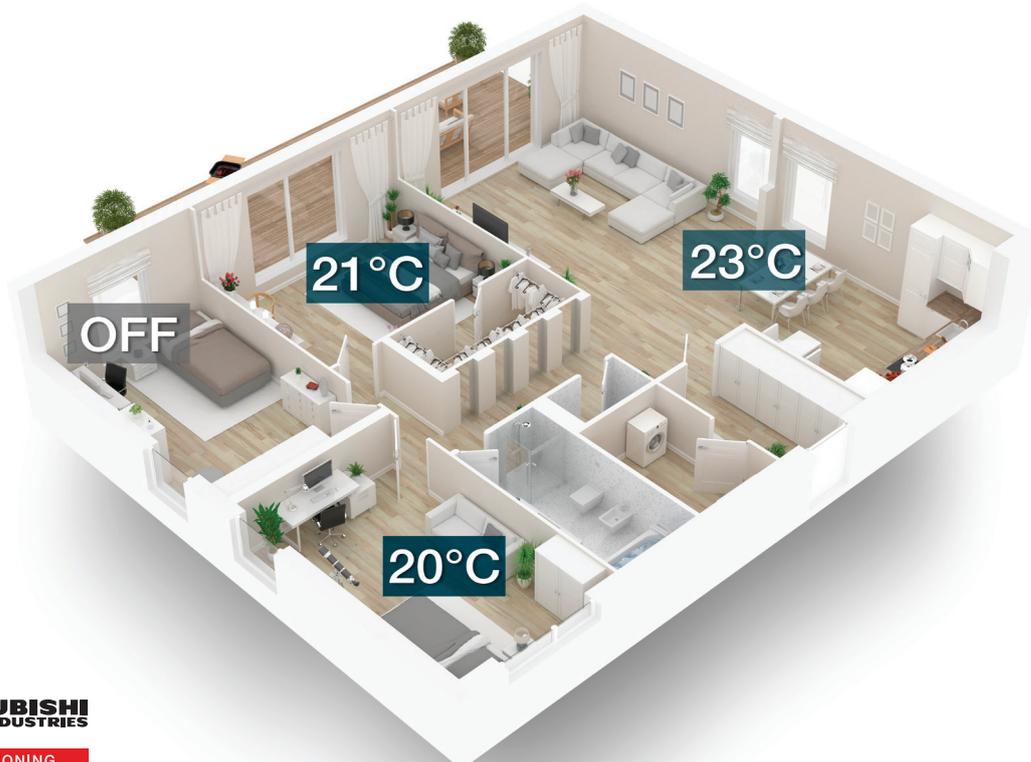
### ADVANCED FEATURES, SIMPLIFIED CONTROL

Airzone has three different controllers to suit all setups and requirements. These allow you to control and monitor the temperature in up to 10 zones, access timers, scheduling and other advanced features while remaining easy to use.



### COMPLETE CONTROL FROM ANYWHERE

Whether you're at the office, on the move or just across the room, the easy to use AirzoneCLOUD app gives you complete control over your system from your iPhone or Android device, including temperature control, timers, weekly schedules and other functions.



# Controllers

## AIRZONE BLUEFACE Main Controller

The modern and stylish Blueface master controller gives you complete control over your system by allowing you to monitor the humidity and set temperatures in each individual zone, adjust fan speed, access timers, schedules plus much more, all while remaining easy to use.



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Wired, intuitive, 3.5" colour touch screen

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Temperature control for up to 10 individual zones

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Zone temperature control and humidity reading

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System mode settings (Cool, Heat, Auto and Dry)

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User modes (Eco, Vacation, Stop, Comfort and Night)

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7 day timer schedule

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Technical system settings and data

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Sleep timer

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System software updates via Wi-Fi

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Available in white and black

## AIRZONE LITE Zone Controller

The LITE controller offers the same level of accurate comfort control as the THINK controller in a simplified and compact design. The LITE, which allows you to adjust the temperature in increments, but can be controlled completely via the Airzone cloud app is perfect for areas where you may want to limit access to controls (such as children's bedrooms) but want full control remotely.



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Simplified zone thermostat and temperature controller

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Set-point temperature control  
(accuracy:  $\pm 1^{\circ}\text{C}$ , up to a limit of  $\pm 3^{\circ}\text{C}$ )

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Zone On/Off functionality

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Wired or wireless (battery)

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Available in white and black

## AIRZONE THINK Zone Controller

The THINK zone controller, with its low-energy e-ink screen, provides accurate humidity and temperature reading and allows you to control the temperature of the individual zone it is connected to.



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E-ink screen with capacitive buttons

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Zone thermostat and controller

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Access and view system information

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Wired or wireless (battery)

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Sleep timer

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Occupancy and/or window contact input (local zone)

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Link zones

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Available in white and black

## AIRZONECLOUD APP

The AirzoneCLOUD app provides complete control over your MHIAA system by giving you access to all functions, timers scheduling, operation modes and temperature controls no matter where you are. Available for Android and iOS, the app also allows you to install firmware updates for your system to ensure it's always up to date.



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App for iPhones, iPad and Android devices

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Control of temperature, operating mode for up to 10 zones

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Room temperature and relative humidity reading of all zones

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Operation mode settings (Cool, Heat, Auto and Dry)

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User modes (Eco, Vacation, Stop, Comfort and Night)

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7 day timer schedule

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Access technical system settings and data

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Sleep timer

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System software updates via Wi-Fi



**AIR CONDITIONING**

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Dealer

Our factories are ISO9001 and ISO14001 certified.

