
# Premium Air Conditioners

Wall Mounted | Ducted | Ceiling Cassette

Tara Dennis

Favoured by Interior Designer and Television Presenter Tara Dennis.

MITSUBISHI HEAVY INDUSTRIES

AIR CONDITIONING

# Mitsubishi Heavy Industries Air-Conditioners Australia

Mitsubishi Heavy Industries Air-Conditioners Australia PTY LTD (MHIAA) is one of Australia's leading suppliers of top quality residential and commercial systems. With over 130 years of expertise across energy conservation, cutting edge technology, advanced science and fervent craftsmanship, MHIAA creates a holistic foundation in the development of its air conditioning solutions. Fostering Japans technological leadership, MHIAA continues to achieve unrivalled success in Australia and New Zealand.

With innovation central to both the organisation and the development of air conditioner systems, MHI is now renowned for its world class engineering and intricate product design and development. Standing behind the quality of its product portfolio is MHIAA's commitment to sales and after sales service guarantees. Through a commitment to innovation and craftsmanship MHIAA will sustain its category leadership by developing the most advanced portfolios of air conditioners.

**Brand Ambassador Tara Dennis:**

Interior designer and Television presenter Tara Dennis joins MHIAA as the brand's first ambassador to Australia and New Zealand. Tara Dennis brings with her a level of trust and expertise to those interested in home improvement. With extensive experience in home decoration and design, Tara represents the home renovator who wants to improve the conditions in their homes and offices. As the first female brand ambassador for air conditioning brands, Tara Dennis represents a shift in the air conditioning space and once again enforces MHIAA's ability to step outside of the current thinking and move towards an environment for all consumers.

Tara Dennis

Interior Designer and Television Presenter Tara Dennis.

# Our Products

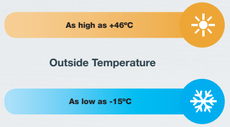
Equipped with an easy to use controller, boasting an assortment of convenient functions and filters, stylish design and quiet operation a Mitsubishi Heavy Industries air conditioner will be a valuable addition to any home.

With a capacity range of 1.7kW to 9.5kW, these Wall Mounted, Ducted and Ceiling Cassette Ranges can heat or cool the smallest of bedrooms to the largest entertainment areas. Priding itself on reliability, Mitsubishi Heavy Industries will keep your air conditioner working perfectly over the years to ensure that your family will enjoy air conditioned comfort all year round.

# Superior technology that outlasts and outperforms

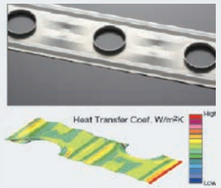
## Twin Rotary Compressor

The DC Twin Rotary Compressor creates highly efficient operation under a wide range of conditions from low speed to high speed. Through the application of the Neodymium motor, low vibration, high efficiency and vector control are achieved.




## Wide Range Operation

Our new advanced technology has expanded the heating and cooling operation range. Heating and cooling is now possible at an outdoor temperature as low as -15°C and as high as +46°C. This permits the installation of the unit where temperature conditions can be considered extreme.



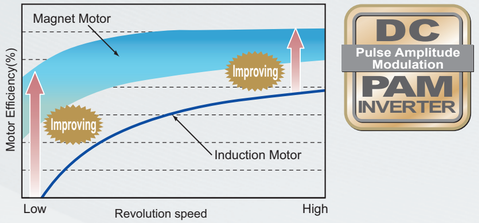

## Heat Exchanger

By changing the fin configuration from flat sheet to M shape, the high dimensional structure provides optimum balance of heat transfer and air flow.

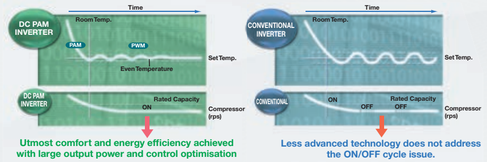
## DC PAM Inverter

An Inverter driven system has a number of performance advantages over a constant speed. Variable Compressor outputs can ensure quick heating after start up and can attain a set temperature faster. The air conditioner can then slow down the compressor to save energy keeping conditions comfortable.

DC Compressor Motor




DC Pulse Amplitude Modulation PAM INVERTER




Utmost comfort and energy efficiency achieved with large output power and control optimisation

Less advanced technology does not address the ON/OFF cycle issue.

## Blue Fin Technology

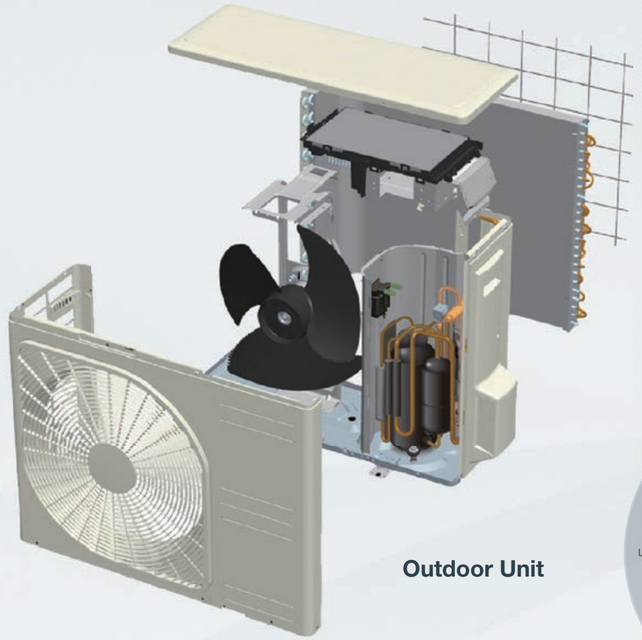
The application of blue coated fins for the heat exchanger on new outdoor units has improved the corrosion resistance of the unit when compared to current models.

## Coated PCB

The circuit board of the outdoor unit is coated with silicon. This increases the longevity of the board as it increases the boards tolerance to humid conditions.

## Hot Dipped Steel Sheet

A hot dipped steel sheet is applied at the base of outdoor units. This has superior corrosion resistance and scratch resistant properties compared to conventional materials.



**Outdoor Unit**

# Wall Mounted Systems

Mitsubishi Heavy Industries wall mounted series has expanded to include the new Bronte® and Avanti™ Series.

With the indoor unit located high on the wall in your room and attached to an outdoor unit, you will experience quality and comfort all year round.

With a wide range of capacities you will be sure to find the air conditioner that best meets your needs.

**Packed with features you'll want to come home to...**


## Jet Air Technology

Using the same aerodynamic analysis technology that is used in the development of jet engines, CFD (computational fluid dynamics), used in the blade shape design of jet engines, has been applied to the design of the air channels of the air conditioners to develop the ideal air channel system (air circulation).

Delivering a uniform, gentle breeze to every corner of the room, the jet air stream generated by this air channel system can bring a large volume of air without consuming much power.



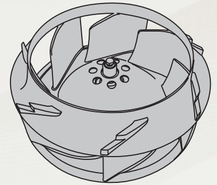
## Long Reach air flow

Jet air technology enables a powerful airflow of up to 18m* and is ideal for large living areas.


*Powerful 18mair flow, from 7.1kW in cooling conditions.

## Aerodynamic Performance

The improved component provides a better aerodynamic performance and decreased noise level of the unit.



New design turbo fan

Fan guard (standard equipment)

# Improved Energy Efficiency

## R32 refrigerant

R32 is the next generation refrigerant that boasts nearly 70% lower Global Warming Potential Rate than R410A*. Due to its superior qualities R32 offers amazing energy efficiency benefits. It has a potential refrigerating effect 1.5 times that of R410A meaning it needs less energy to achieve the desired temperature and requires less refrigerant volume to operate.**

*Note: Sourced from AREMA (www.arema.com.au)
**Note: Sourced from HVAC&R Nation, an AIRAH publication, Issue Nov13 (www.airah.org.au)




# Clean Air Technology

## Self Clean Operation

The 'Self Clean operation' can be run after an Auto, Cool, or Dry cycle to remove the moisture from inside the indoor unit and control the growth of mould and bacteria. The 'Self Clean Operation' runs for approximately 2 hours and this feature can be selected on the remove control.



## Allergen Clear System

The 'Allergen Clear System' reduces the effect of the allergens caught by the filter by controlling temperature and humidity.

**Catching Allergens on the Filter**

**Cooling Operation**
To make condensing water.

**Heating Operation**
To give moisture to the Filter to inactivate allergen

**AIR Purify**
**Self-Clean Operation**
To dry up the indoor unit




## 3D Auto

**Multi motors make 3 independent controls**

3D Auto is a one touch program where multi motors make three independent air flow controls. The uniform and quiet airflow can be delivered to every corner of the room, achieving economical operation and minimizing energy loss.



## Dry Operation

The unit dehumidifies the room through intermittent cooling operation.


## High Power

The unit can operate in: 'HI Power' mode continuously for 15 minutes to reach the desired temperature faster.

# Functions

## Comfort & Convenience

**Dry Operation**
The unit dehumidifies the room by intermittent cooling operation.

**High Power Operation**
The unit can operate continuously in "HI POWER" mode for 15 minutes. This mode is convenient to reach the desired temperature quickly.

**Silent Operation**
The sound level of outdoor units is at least 3 dB(A) lower than the nominal level.

**Weekly Timer**
The unit realizes effective energy saving operation, while still keeping a comfortable cooling and heating condition.

**24-hour On/Off Programmable Timer**
By combining a start timer with a stop timer, you can register two timer operations a day. Once set, timers will faithfully start or stop the system at a specified time of the day repeatedly.

**On/Off Timer**
The unit will start and stop the operation automatically at the set time.

**Comfort Start-up**
In ON-TIMER operation, the unit automatically starts the operation a little earlier, so that the room can approach optimum temperature at ON time.

**Preset Operation**
The desired preset operation mode can be enabled with a single touch of a button.

**Child Lock**
Blocks the unit preventing tampering and inadvertent operations. This function is useful for families with young children.

**LED Brightness Adjustment**
Brightness of the LED display can be adjusted to suit.

**Positioning of Installation**
You can set the left-right air flow directions when you installed the air conditioner near the side wall by remote controller operation.

## Clean Operation & Filter

**Allergen Clear Operation**
The system is equipped to suppress the influence of the allergen caught by the filter by controlled the temperature and humidity.

**Self Clean Operation**
The operation is operated for 2 hours after the unit has stopped its normal operation. The indoor unit is dried up and growth of mould is restrained.

**Allergen Clear Filter**
The filter breaks down the pollen, lice, and all allergens that live on cat skins, etc. and deactivates them.

**Removable Panel**
Maintenance has been made easy as the front panel is easy to remove for easy cleaning and maintenance.

**Photocatalytic Washable Deodorizing Filter**
It keeps air fresh by deodorizing the molecules causing odour. The deodorizing ability can be easily restored simply by cleaning and exposing to the sunlight.

## Energy Saving

**Fuzzy Auto Mode**
Automatically, the unit determines its operating mode and temperature setting based on a fuzzy calculation, and adjusts the inverter frequency.

**Economy Mode**
The unit realizes effective energy saving operation, while still keeping a comfortable cooling and heating condition.

## Air Flow

**JET Air Technology**
Aircraft technology is used to component design the airflow system of the air conditioner.

**3D Auto**
You can choose the best cooling or heating pattern by only pushing one button.

**Auto Flap Mode**
Whatever the operating mode is, the unit automatically selects the optimal angle.

Cooling & Dry: Horizontal blowing
Heating: Slant forward blowing

**Memory Flap**
While the flap is swinging, it can be stopped at any angle desired. The flap returns to the position that it was in when operation last stopped.

**Up/Down Flap Swing**
Flap moves up and down continuously. The Up/Down flap swing can be fixed at the preferred operation angle.

**Right/Left Louvre Swing**
Louvre moves right and left continuously. The Right/Left louvre swing can be fixed at the preferred operation angle.

## Others

**Microcomputer-Operated Defrosting**
This mode automatically eliminates frost, and helps minimize excessive operation in other modes.

**Self-Diagnostic Function**
In the case that the air conditioner malfunctions, an internal microcomputer automatically runs a self-diagnosis. (Inspection and repair should be performed by authorized dealers.)

**Auto Restart Function**
Power blackout auto restart function is a function that records the operational status of the air-conditioner immediately prior to it being switched off by a power cut, and then automatically resumes operations at that point after the power has been restored.



# DXK-Z5-S



Functions

| Refrigerant Pipe Length | | |
|---|---|---|
| DXK-Z5-S model | | DXK05Z5-S |
| Maximum pipe length | m | 15 |
| Maximum height difference | m | 10 |

| Reverse Cycle | Capacity | | 1.7kW |
|---|---|---|---|
| Indoor | | | DXK05Z5-S |
| Outdoor | | | DXC05Z5-S |
| Power supply | | | 1 Phase 220~240V 50Hz |
| Capacity | Cooling T1 | kW | 1.7 (0.9~2.7) |
| | Heating H1 | | 2.0 (0.8~3.8) |
| Input | Cooling T1 | kW | 0.42 (0.25~0.94) |
| | Heating H1 | | 0.465 (0.20~1.41) |
| Energy label | Cooling T1 | Stars | ★★½ |
| | Heating H1 | | ★★★★ |
| EER | Cooling T1 | | 4.05 |
| COP | Heating H1 | | 4.30 |
| Sound power level (JIS C9612) | Cooling(Outdoor) | dB(A) | 54 |
| | Heating(Outdoor) | | 55 |
| Sound pressure level (JIS C9612) | Cooling(Indoor) | dB(A) | 45-34-23 |
| | Heating(Indoor) | | 43-34-26 |
| Airflow | Cooling(Indoor) | l/s | 168-122-70 |
| | Heating(Indoor) | | 158-122-87 |
| External dimensions (HXWXD) | Indoor | mm | 282x769x210 |
| | Outdoor | | 540x645x275 |
| Net weight | Indoor | kg | 6.9 |
| | Outdoor | | 25 |
| Refrigerant piping | Liquid line | mm | Ø6.35 |
| | Gas line | | Ø9.52 |
| | Connection method | | Flare connection |
| Refrigerant R410A | Quantity | kg | 0.655 |
| | Pre charged to pipe length | m | 10 |
| Clean filter | | | Photocatalytic Washable Deodorizing Filter |

DXC05Z5-S

# DXK-ZSA-W

## AVANTI™

R32

5 Years and Labour 5 Year Warranty

**Functions**

| Refrigerant Pipe Length | | DXK06-12ZSA-W | DXK18ZSA-W |
|---|---|---|---|
| DXKZSA model | | | |
| Maximum pipe length | m | 20 | 25 |
| Maximum height difference | m | 10 | 15 |

| Reverse Cycle | Capacity | | 2.0kW | 2.5kW | 3.5kW | 5.0kW |
|---|---|---|---|---|---|---|
| Indoor | | | DXK06ZSA-W | DXK09ZSA-W | DXK12ZSA-W | DXK18ZSA-W |
| Outdoor | | | DXC06ZSA-W | DXC09ZSA-W | DXC12ZSA-W | DXC18ZSA-W |
| Power supply | | | 1 Phase 220~240V 50Hz | | | |
| Capacity | Cooling T1 | kW | 2.0 (0.9~3.0) | 2.5 (0.9~3.5) | 3.5 (0.9~4.4) | 5.0 (1.2~5.5) |
| | Heating H1 | | 2.7 (1.0 ~4.2) | 3.2 (0.9~5.2) | 3.7 (0.9~5.4) | 5.8 (1.2~6.6) |
| Input | Cooling T1 | kW | 0.41 (0.18~0.81) | 0.51 (0.18~0.88) | 0.82 (0.18~1.27) | 1.39 (0.27-1.86) |
| | Heating H1 | | 0.56 (0.20~1.12) | 0.65 (0.21~1.43) | 0.81 (0.21~1.44) | 1.49 (0.26~1.97) |
| Energy label | Cooling T1 | Stars | ★★★★★ | ★★★★★ | ★★★★ | ★★½ |
| | Heating H1 | | ★★★★★ | ★★★★★ | ★★★★½ | ★★★ |
| EER | Cooling T1 | | 4.88 | 4.90 | 4.27 | 3.60 |
| COP | Heating H1 | | 4.82 | 4.92 | 4.57 | 3.89 |
| Sound power level (JIS C9612) | Cooling (Outdoor) | dB(A) | 56 | 58 | 62 | 61 |
| | Heating (Outdoor) | | 57 | 61 | 62 | 63 |
| Sound pressure level (JIS C9612) | Cooling (Indoor) | dB(A) | 35-27-22-19 | 40-31-22-19 | 43-34-27-19 | 43-36-28-22 |
| | Heating (Indoor) | | 39-30-24-19 | 46-38-24-19 | 47-39-25-19 | 47-39-32-24 |
| Silent mode sound pressure level | Cooling (Outdoor) | dB(A) | 41 | 42 | 45 | 43 |
| | Heating (Outdoor) | | 42 | 43 | 44 | 45 |
| Airflow | Cooling (Indoor) | l/s | 165-127-93-83 | 182-140-88-78 | 205-152-117-78 | 213-175-113-93 |
| | Heating (Indoor) | | 190-142-108-93 | 237-182-110-88 | 250-193-117-88 | 253-198-152-113 |
| External dimensions (HXWXD) | Indoor | mm | 290x870x230 | | | |
| | Outdoor | | 540x780(+62)x290 | | | 640x800(+71)x290 |
| Net weight | Indoor | kg | 9.5 | 10 | | |
| | Outdoor | | 33 | 36 | | 43.5 |
| Refrigerant piping | Liquid line | mm | Ø6.35 | | | |
| | Gas line | | Ø9.52 | | | Ø12.7 |
| | Connection method | | Flare connection | | | |
| Refrigerant R32 | Quantity | kg | 0.58 | 0.75 | | 1.05 |
| | Pre charged to pipe length | m | 15 | | | |
| Clean filter | | | Allergen Clear & Photocatalytic Washable Deodorizing Filter | | | |

DXC20-35ZSA-W

DXC50ZSA-W



# DXK-ZRA-W

## BRONTE®

R32

5 Years and Labour 5 Year Warranty

RECOMMENDED choice June 2017

7.1kW & 8.0kW

**Functions**

| Refrigerant Pipe Length | | DXK21-33ZRA-W |
|---|---|---|
| Maximum pipe length | m | 30 |
| Maximum height difference | m | 20 |

| Reverse Cycle | Capacity | | 6.3kW | 7.1kW | 8.0kW | 9.5kW |
|---|---|---|---|---|---|---|
| Indoor | | | DXK21ZRA-W | DXK24ZRA-W | DXK28ZRA-W | DXK33ZRA-W |
| Outdoor | | | DXC21ZRA-W | DXC24ZRA-W | DXC28ZRA-W | DXC33ZRA-W |
| Power supply | | | 1 Phase 220~240V 50Hz | | | |
| Capacity | Cooling T1 | kW | 6.3 (1.2~7.4) | 7.1 (2.3~8.3) | 8.0 (2.3~9.5) | 9.5 (2.5~10.8) |
| | Heating H1 | | 7.1 (0.8 ~9.2) | 8.0 (2.0~10.9) | 9.0 (2.1~11.2) | 10.3 (3.2 ~11.9) |
| Input | Cooling T1 | kW | 1.58 (0.2~2.5) | 1.84 (0.48~2.4) | 2.22 (0.48~3.1) | 2.56 |
| | Heating H1 | | 1.60 (0.16~2.8) | 2.02 (0.4~3.4) | 2.40 (0.40~3.40) | 2.64 |
| Energy label | Cooling T1 | Stars | ★★★ | ★★★ | ★★½ | ★★½ |
| | Heating H1 | | ★★★★ | ★★★ | ★★★ | ★★★ |
| EER | Cooling T1 | | 3.99 | 3.86 | 3.60 | 3.71 |
| COP | Heating H1 | | 4.44 | 3.96 | 3.75 | 3.9 |
| Sound power level (JIS C9612) | Cooling (Outdoor) | dB(A) | 64 | 65 | 68 | 69 |
| | Heating (Outdoor) | | 66 | 63 | 66 | 70 |
| Sound pressure level (JIS C9612) | Cooling (Indoor) | dB(A) | 44-39-35-25 | 43-40-36-24 | 46-43-38-25 | 48-45-40-26 |
| | Heating (Indoor) | | 44-38-34-28 | 46-39-35-28 | 47-41-36-29 | 48-42-37-29 |
| Silent mode sound pressure level | Cooling (Outdoor) | dB(A) | 45 | 43 | 44 | 50 |
| | Heating (Outdoor) | | 45 | 41 | 42 | 49 |
| Airflow | Cooling (Indoor) | l/s | 342-301-262-173 | 342-310-270-174 | 383-345-300-182 | 408-355-293-173 |
| | Heating (Indoor) | | 392-317-275-218 | 425-330-288-222 | 450-363-315-234 | 458-386-318-226 |
| External dimensions (HXWXD) | Indoor | mm | 339x1197x262 | | | |
| | Outdoor | | 640x800(+71)x290 | 750x880(+88)x340 | | 845x970(+89)x370 |
| Net weight | Indoor | kg | 15.5 | | | 16 |
| | Outdoor | | 45 | 58 | | 70.5 |
| Refrigerant piping | Liquid line | mm | Ø6.35 | | | Ø9.52 |
| | Gas line | | Ø12.70 | Ø15.88 | | |
| | Connection method | | Flare connection | | | |
| Refrigerant R32 | Quantity | kg | 1.25 | 1.6 | | 2 |
| | Pre charged to pipe length | m | 15 | | | |
| Clean filter | | | Allergen Clear & Photocatalytic Washable Deodorizing Filter | | | |

DXC21ZRA-W

DXC24ZRA-W / DXC28ZRA-W

DXC33ZRA-W

# Ducted Systems

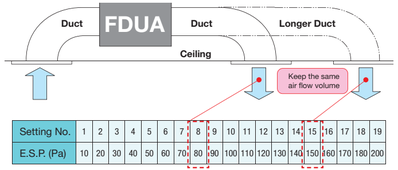
A Mitsubishi Heavy Industries ducted system lets you and your family enjoy the comfort of powerful air conditioning in every part of your home all year round.

Quiet, efficient and reliable our ducted systems have a 5 year warranty so you can be sure you'll get quality air conditioning for years to come.



## External Static Pressure

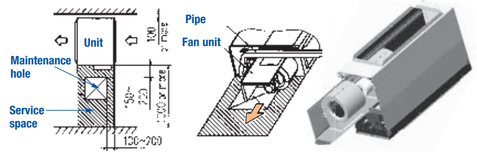
By setting the External Static Pressure manually on the remote control the optimal air flow volume can be achieved. The indoor unit will recognise the external static pressure setting and keep the rated air volume.




| Setting No. | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| E.S.P. (Pa) | 10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 110 | 120 | 130 | 140 | 150 | 160 | 170 | 180 | 200 |

## Improved Serviceability

The fan unit (impeller and motor) can be pulled out from the right side of the unit. Maintenance can also be available from the right side or the bottom side.




## FDUA Remote Control (options)

Wired

RC-EX3

RC-E5

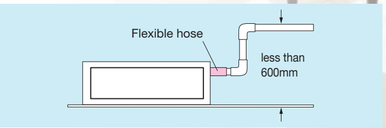
RCH-E3

Wireless

RCN-KIT4-E2

## Enhanced Installation Workability

600mm Drain pump standard enabled. Mitsubishi Heavy Industries have, as a standard inclusion, a long standing well developed drain pump with condensate drainage error detection built in. The indoor unit is completely hidden in the ceiling so it is suitable for spaces with classy interior decoration.



# FDUA

## Duct Connected - High Static Pressure

FDUA71VF • FDUA100/125/140/160FV

FDUA200VG

FDCA71VNXA

FDCA100VNP-FDCA100VN

FDCA100-140VNX
FDC125-140VSX

FDCA160-200VSA

| FDUA | Capacity | | 7.1kW | 10.0kW | 10.0kW | 10.0kW | 12.5kW | 14.0kW | 12.5kW | 14.0kW | 16.0kW | 20.0kW |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Set | | | FDUA71AVNXVF | FDUA100VNP1VF2 | FDUA100AVNVF2 | FDUA100AVNXVF2* | FDUA125AVNXVF | FDUA140AVNXVF | FDUA125VSXVF | FDUA140AVSXVF | FDUA160AVSAVF | FDUA200AVSAVG |
| Indoor | | | FDUA71VF | FDUA100VF2 | FDUA100VF2 | FDUA100VF2 | FDUA125VF | FDUA140VF | FDUA125VF | FDUA140VF | FDUA160VF | FDUA200VG |
| Outdoor | | | FDCA71VNXA | FDC100VNP | FDCA100VN | FDCA100VNX | FDCA125VNX | FDCA140VNX | FDC125VSX | FDCA140VSX | FDCA160VSA | FDCA200VSA |
| Power supply | Outdoor Unit | | 1 Phase 230V 50Hz | | | | | | 3 Phase 415V 50Hz | | | |
| Capacity | Cooling T1 | kW | 7.1 (3.2-8.0) | 10.0 (2.8-11.2) | 10 (4.0-11.2) | 10.0 (4.0-11.2) | 12.5 (5.0-14.0) | 14.0 (5.0-14.5) | 12.5 (5.0 - 14.0) | 14.0 (5.0-14.5) | 16.0 (6.9-20.0) | 20.0 (6.9-28.0) |
| | Heating H1 | | 8.0 (3.6-9.0) | 11.2 (2.5-12.5) | 11.2 (4.0-12.5) | 11.2 (4.0-12.5) | 14.0 (4.0-17.0) | 16.0 (4.0-18.0) | 14.0 (4.0- 18.0) | 16.0 (4.0-18.0) | 18.0 (5.5-22.4) | 22.4(5.5-31.5) |
| Input | Cooling T1 | kW | 2.22 | 2.99 | 3.05 | 2.85 | 3.83 | 4.44 | 3.83 | 4.44 | 4.83 | 6.03 |
| | Heating H1 | | 2.22 | 2.88 | 2.87 | 2.74 | 3.68 | 4.41 | 3.68 | 4.44 | 4.66 | 5.5 |
| EER | Cooling T1 | | 3.20 | 3.34 | 3.28 | 3.51 | 3.26 | 3.15 | 3.26 | 3.15 | 3.31 | 3.32 |
| COP | Heating H1 | | 3.60 | 3.89 | 3.90 | 4.09 | 3.80 | 3.63 | 3.8 | 3.6 | 3.86 | 4.07 |
| Sound pressure level (JIS C9612) | Indoor | dB(A) | P-Hi:38 Hi:33 Me:29 Lo:25 | P-Hi:43 Hi:42 Me:40 Lo:37 | P-Hi:43 Hi:42 Me:40 Lo:37 | P-Hi:43 Hi:42 Me:40 Lo:37 | P-Hi:45 Hi:43 Me:41 Lo:37 | P-Hi:47 Hi:46 Me:43 Lo:40 | P-Hi : 47 Hi:46 Me : 43 Lo : 40 | P-Hi:47 Hi:46 Me:43 Lo:40 | P-Hi:49 Hi:48 Me:45 Lo:42 | P-Hi:52 Hi:50 Me:47 Lo:45 |
| | Outdoor | | 51 | 57 | 49 | 48 | 48 | 48 | 48 | 49 | 59 | 59 |
| Sound power level (JIS C9612) | Outdoor | | 66 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 73 | 73 |
| Airflow | Indoor | l/s | P-Hi: 400 Hi: 317 Me: 250 Lo: 167 | P-Hi:650 Hi:600 Me:550 Lo:483 | P-Hi:650 Hi:600 Me:550 Lo:483 | P-Hi:650 Hi:600 Me:550 Lo:483 | P-Hi:717 Hi:650 Me:600 Lo:500 | P-Hi:850 Hi:800 Me:700 Lo:600 | P-Hi:717 Hi:650 Me:600 Lo:500 | P-Hi:850 Hi:800 Me:700 Lo:600 | P-Hi:850 Hi:800 Me:700 Lo:600 | P-Hi:1333 Hi:1200 Me:1067 Lo:933 |
| External static pressure | | Pa | 200 | | | | | | | | | |
| External dimensions (HXWXD) | Indoor | mm | 280x950x635 | 398x1150x650 | | | | | | | | 379x1600x893 |
| | Outdoor | | 750x880(+88)x340 | 845x970x370 | | 1300x970x370 | | | | | 1505x970x370 | |
| Net weight | Indoor | kg | 34 | 52 | | | | | 52 | | 89 | |
| | Outdoor | | 60 | 70 | 81 | 105 | | | | | 143 | |
| Refrigerant piping | Liquid line | mm | Ø9.52 | | | | | | | | Ø12.7 | |
| | Gas line | | Ø15.88 | | | | | | | | Ø22.22 , Ø25.4 or Ø28.58 | |
| | Connection method | | Flare Connection | | | | | | | | Liquid: Flare / Gas: Brazing | |
| Refrigerant R410A | Quantity | kg | 2.95 | 2.55 | 3.8 | 4.5 | | | | | 7.2 | |
| | Pre charged to pipe length | m | 30 | 15 | 30 | | | | | | | |
| Maximum pipe length | | m | 50 | 30 | 50 | 100 | | | | | 70* | |
| Supply air connection | | mm | 170x880 | 348x898 | | | | | | | | 250x1450 |
| Return air connection | | mm | 200x740 | | | | | | | | | |
| Controller | | | RC-E5, RC-EX3 or RCN-KIT4-E2 | | | | | | | | | |
| Safety pan | | | UA-SP1-E (Optional) | UA-SP2-E (Optional) | | | | | | | | |

* If 22.22mm Suction Line, Maximum Pipe Length: =<30m. If 25.4mm or 28.58mm Suction Line, Maximum Pipe Length: =>31m to =<70m. There are 3 refrigerant piping accessories included.
* Refer to technical manual
* Non-standard stock item (available by special order)



# Ceiling Cassette

Mitsubishi Heavy Industries Ceiling Cassettes, through the attractive design of the indoor units, can be harmoniously integrated in to any atmosphere to create a pleasant and relaxing environment.

With the FDT range now including new Draught Control Technology and Individual Louver control, the improved ceiling cassettes can now help you create the desired conditions within your room.

# Draught Control Technology

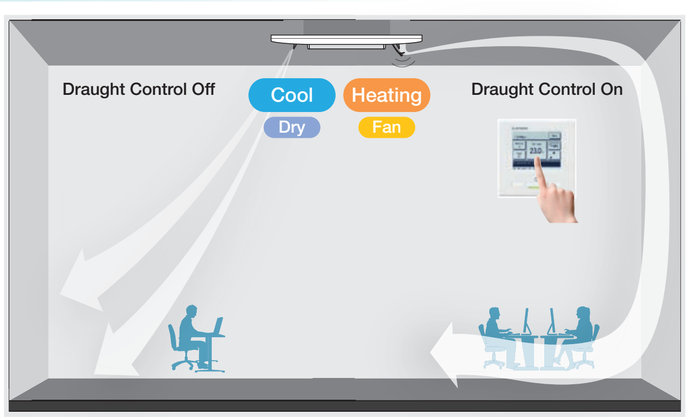
NEW

## Draught Control

Draught Control Technology utilises four additional flaps to accurately assist how air flow is directed out of the indoor unit to suppress any warm or cool draughts and provide a comfortable air flow.

With this new technology, each individual air outlet can be set at a specific angle, through the remote control*, to prevent hot or cold air from being blown directly on to the user.

With increased flexibility the new FDT control flaps keep maximum comfort with minimal draught. When heating or cooling the room, the new panels accurately assist how air flow is directed out of the indoor unit.




* RC-EX3, RCN-T-5AW-E2 only



# Motion Sensor (Optional)

NEW

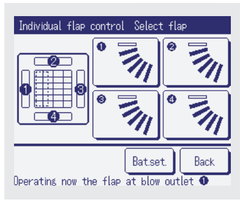
The new motion sensor detects human activity and shifts the temperature setting according to the amount of human activity in the room. This enables the energy saving control when low activity is detected in the room. The unit will switch off when no activity is detected for 12 hours.

## 3 Step Control

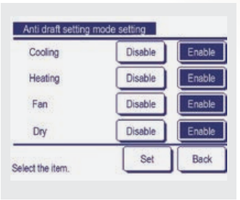
| | |
|---|---|
| **Power Control** | New Motion Sensor (optional) detects human activity. Energy Saving control is achieved by shifting the set temperature according to the detected amount of activity |
| **Stand by** | The unit will go on standby mode when no activity is detected. When the unit detects human activity again, it will restart operation automatically. |
| **Auto Off** | The unit will switch off automatically when no activity is detected for 12 hours |

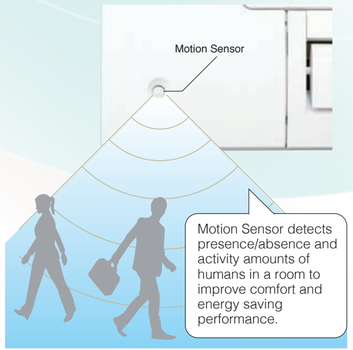
## Individual Louver Control

Users can set the direction of each individual louver for desired air flow direction.







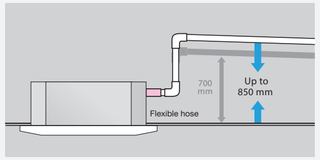
# Easy Installation and Servicing

## Remote Control

Full dot Liquid Crystal Display Remote control enables easy touch and easy view.

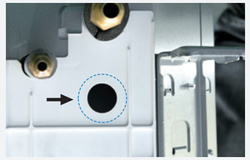

## Longer Drain Pump

The Drain can now be lifted up to 850mm (previously: 700mm) from the ceiling surface. This allows for a piping layout with a high degree of freedom.




## New Port to check drain water flow

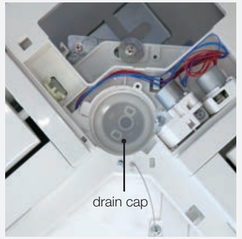
A water supply port has been provided in the piping lid for easier testing of the drain water flow. The port is usually sealed with a rubber cap.



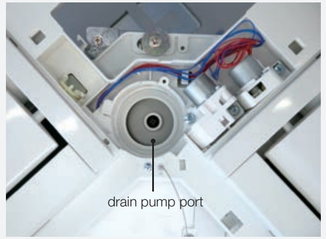
## Easy Check of Drain Pan

Remove the corner lid only for an easy check of the drain pan condition.

Remove the corner lid


Remove drain cap cover and check the condition. If it is necessary to clean-up, firstly remove the rubber plug to drain water out and secondly remove the drain cap.




Clean up the area around the drain pump port.



# FDT-VG

## Reverse Cycle Inverter Cassette - 4-way Ceiling Cassette

Remote control (Options)

Wired

RC-EX3 RC-E5 RCH-E3

RCH-E3
*Simple remote control is not applicable to the individual flap control system nor Draught Prevention functions.
*When RCH-E3 is used, the fan has 3 speed settings (Hi-Me-Lo) only.

Wireless

RCN-T-5AW-E2

*Wireless remote control (RCN-T-5AW-E2) is not applicable to the individual flap control system.
*When RCN-T-5AW-E2 is used, the fan has 3 speed settings (Hi-Me-Lo) only.

| Capacity | | | 5.6kW | 7.1kW | 10.0kW | 10.0kW | 12.5kW | 14.0kW | 12.5kW | 14.0kW |
|---|---|---|---|---|---|---|---|---|---|---|
| Set | | | FDT60ZMXAVG | FDT71AVNXAVG | FDT100AVNVG | FDT100VNPVG | FDT125AVNXVG | FDT140AVNXVG | FDT125VSXVG | FDT140AVSXVG |
| Indoor | | | FDT60VG | FDT71VG | FDT100VG | FDT100VG | FDT125VG | FDT140VG | FDT125VG | FDT140VG |
| Outdoor | | | SRC60ZMXA-S | FDCA71VNXA | FDCA100VN | FDC100VNP | FDCA125VNX | FDCA140VNX | FDC125VSX | FDCA140VSX |
| Power supply | Indoor Unit | | 1 Phase 230V 50Hz | | | | | | 3 Phase 415V 50Hz | |
| Capacity | Cooling T1 | kW | 5.6 (1.1-6.3) | 7.1 (3.2-8.0) | 10.0 (4.0-11.2) | 10.0 (2.8-11.2) | 12.5 (5.0-14.0) | 14.0 (5.0-16.0) | 12.5 (5.0-14.0) | 14.0 (5.0-16.0) |
| | Heating H1 | | 6.7 (0.6-7.1) | 8.0 (3.6-9.0) | 11.2 (4.0-12.5) | 11.2 (2.5-12.5) | 14.0 (4.0-17.0) | 16.0 (4.0-18.0) | 14.0 (4.0 - 18.0) | 16.0 (4.0-20.0) |
| | Heating H2 | | 5.38 | 6.6 | 8.8 | 8.708 | 12.8 | 13.4 | 15.0 | 14.5 |
| Input | Cooling T1 | kW | 1.52 | 1.94 | 2.76 | 2.76 | 3.42 | 4.26 | 3.42 | 4.26 |
| | Heating H1 | | 1.56 | 1.91 | 2.74 | 2.84 | 3.43 | 4.2 | 3.43 | 4.20 |
| EER | Cooling T1 | | 3.68 | 3.66 | 3.65 | 3.62 | 3.65 | 3.29 | 3.65 | 3.29 |
| COP | Heating H1 | | 4.29 | 4.19 | 4.08 | 4.52 | 4.08 | 3.81 | 4.08 | 3.81 |
| Sound pressure level (JIS C9612) | Indoor | dB (A) | P-Hi:44 Hi:34 Me:32 Lo:28 | P-Hi:46 Hi:35 Me:34 Lo:29 | P-Hi:49 Hi:41 Me:39 Lo:32 | P-Hi:51 Hi:40 Me:37 Lo:35 | P-Hi:49 Hi:41 Me:39 Lo:32 | P-Hi:49 Hi:42 Me:39 Lo:33 | P-Hi : 49 Hi : 41 Me : 39 Lo : 32 | P-Hi:49 Hi:42 Me:39 Lo:33 |
| | Outdoor | | 52 | 51 | 48 | 57 | 48 | 49 | 48 | 49 |
| Sound power level (JIS C9612) | Outdoor | dB(A) | 65 | 66 | 70 | 70 | 70 | 72 | 70 | 72 |
| Airflow | Indoor | l/s | P-Hi: 433 Hi: 283 Me: 233 Lo: 183 | P-Hi: 467 Hi: 300 Me: 250 Lo: 200 | P-Hi: 616 Hi: 450 Me: 400 Lo: 333 | P-Hi:616 Hi:450 Me:400 Lo:333 | P-Hi: 633 Hi: 467 Me: 417 Lo: 300 | P-Hi: 633 Hi: 483 Me: 433 Lo: 317 | P-Hi: 633 Hi: 467 Me: 417 Lo: 300 | P-Hi: 633 Hi: 483 Me: 433 Lo: 317 |
| Panel | | mm | T-PSAE-5AW-E (35x950x950) | | | | | | | |
| External dimensions (HXWXD) | Indoor | mm | 236x840x840 | | 298x840x840 | | | | | |
| | Outdoor | | 640x800(+71)x290 | 750x880(+88)x340 | 845x970x370 | | 1300x970x370 | | | |
| Net weight | Indoor | kg | Unit 21 Panel 5 | | Unit 25 Panel 5 | | | | | |
| | Outdoor | | 45 | 60 | 81 | 70 | 105 | | | |
| Refrigerant piping | Liquid line | mm | Ø6.35 | Ø9.52 | | | | | | |
| | Gas line | | Ø12.7 | Ø15.88 | | | | | | |
| | Connection method | | Flare connection | | | | | | | |
| Refrigerant R410A | Quantity | kg | 1.5 | 2.95 | 3.8 | 2.55 | 4.5 | | | |
| | Pre charged to pipe length | m | 15 | 30 | | 15 | 30 | | | |
| Maximum pipe length | | m | 30 | 50 | | 30 | 100 | | | |
| Controller | | | RC-E5, RC-EX3 or RCN-T-5AW-E2 | | | | | | | |

SRC60ZMXA-S

FDCA71VNXA

FDC100VN / FDC100VNP

FDCA125/140VNX
FDC125VSX / FDCA140VSX

Optional WiFi Control

# Control your air anytime, anywhere with Optional Wi-Fi Control

Enjoy the same control of your Wall Mounted, Ducted or Ceiling Cassette System as you would from your home remote, using your iOS™ or Android™ smart device or computer.


*Note: available for iPhone and other devices with Android OS installed.

Available on iTunes

Android is a trademark of Google Inc. IOS is a registered trademark of Cisco in the U.S. and other countries and is used under license.

DOWNLOAD NOW Google play

## With Wi-Fi Control you can:

- Control the start and stop of the Indoor Unit
- Change the working Mode (Heat, Cool, Fan, Auto)
- Change the Fan Speed
- Change the Vanes position
- See the Room Temperature
- See and Control the Set Point Temperature
- See if the unit has an error and the Code Error description
- Control Scenes and Timers
- Schedule Calendar
- And many more…



# Control System

**Remote control options**


## RC-EX3

**Advanced wired remote control**

The RC-EX3 controller enables extensive access to service and maintenance data combined with easy to use full dot LCD back light display.

All settings are changed by tapping the touch screen panel.

- **Energy management:**
  Peak cut timer. Home Leave Mode. Up to 8 daily operation settings programmable.
- **Comfort:**
  Hi power operation. Economy operation. External ventilation interlock.
- **Convenience:**
  Multi language settings. LCD contrast setting. Outdoor silent mode.
- **Service:**
  Error code display. Operation data display.
- **IU Back up Function:**
  (I/U Rotation, Capacity Back-up, Error Back-up) Where 2 sets of single unit (1 outdoor unit + 1 indoor unit) are connected to one R/C.

## RC-E5

**Wired remote control**

The RC-E5 controller enables extensive access to service and maintenance technical data combined with easy to use functions and a clear LCD display.

- **Weekly timer function as standard**
- **Timer operation**
- **Run hour metres to facilitate maintenance checking**
- **Room temperature controlled by the remote control sensor**
- **Changeable set temperature ranges**

## RCH-E3

**Simple wired remote control**

Considering specialized usage in hotel rooms, control buttons are limited only to minimum required functions such as ON/OFF, mode, temperature setting and fan speed. It is really simple and easy to use.

All settings are changed by tapping the touch screen panel.

- **Up to 16 units :**
  It can control up to 16 units individually, with pressing the AIR CON No. button
- **AUTO restart**
  This function allows starting the air conditioner automatically when power supply is restored after power failure or by turning on the power switch.

## Wireless Remote Control (optional)

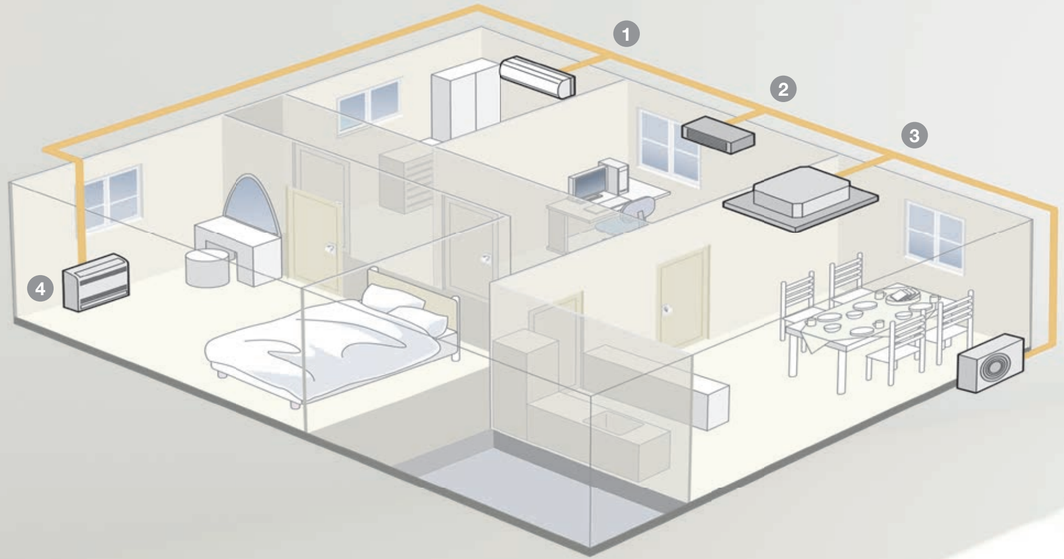
RCN-T-5AW-E2

*Wireless remote control (RCN-T-5AW-E2) is not applicable to the individual flap control system.
*When RCN-T-5AW-E2 is used, the fan has 3 speed settings (Hi-Me-Lo) only.

RCN-KIT4-E2

# Multi Split Systems

The multi system allows a single outdoor unit to service up to six indoor units.




Individual refrigerant circuit for each indoor unit

## Compact

The multi-split system allows 2 to 6 indoor units to be connected to a single outdoor unit. This allows multiple rooms to be conditioned without adding clutter to the exterior of your home.

## Installation Flexibility

With a generous maximum piping length of 90m*, you are given greater freedom to decide where the indoor units will be installed to optimise interior space and convenience.

## Variety of Indoor Units

The indoor unit range includes wall mounted, floor standing, low static bulkhead or compact cassettes in a wide range of capacities.

## Independent Control and Comfort

Each indoor unit comes with its own remote allowing the unit to be switched on/off and have the temperature adjusted as needed. With a range of comfort, air flow and convenience functions on each indoor unit, you can adjust the settings to match the individual requirements of a room.

Parts and Labour 5 Year Warranty

1 Wall Mounted

2 Ceiling concealed type SRR

3 Ceiling Cassette

Ducted

Ceiling Suspended

4 Floor Standing

SCM40-50ZS-S

SCM71-80ZM-S1

SCM100-125ZM-S1

**For more information on available combinations contact your MHIAA Account Manager or visit www.mhiaa.com.au**


NOTES

# SUPERIOR TECHNOLOGY THAT
# **OUTLASTS AND OUTPERFORMS**


mhiaa.com.au ABN 92 133 980 275

**Australia:** Phone: **1300 138 007**

**NSW & Head Office** 9C Commercial Road, Kingsgrove NSW 2208

**Victoria** 2/15 Howleys Road, Notting Hill VIC 3168

**Brisbane** 5/26 Flinders Parade, North Lakes QLD 4509

**Townsville** 12/31 Fleming Street, Aitkenvale QLD 4814

**Western Australia** Unit 3A 2 Mulgul Road, Malaga WA 6090

mhiaa.co.nz G.S.T. 105-673-620

**New Zealand:** Phone: **0800 138 007**

**Auckland** 698A Great South Road, Penrose, 1061


**MITSUBISHI HEAVY INDUSTRIES**
**AIR-CONDITIONERS AUSTRALIA, PTY. LTD.**