



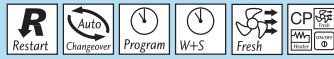
## Units



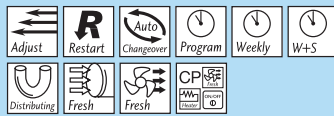
ART60UUAK



ART90TUAJ



ART25U/30U



## Remotes



Wired Controller (with weekly timer)



Wired Simplified Type Remote (optional)



Wired Remote Temperature Sensor (optional)

## Outdoor Units



For ART25U



For ART30U



For ART60UUAK



For ART90TUAJ

### ■ Scroll compressor (ART60/90)

The latest technology scroll compressor has less vibration and allows for quieter operation of the outdoor unit.

### ■ Auto restart & memory back-up

The auto restart allows the unit to return to previous operating settings after a power failure. To be set at time of installation.

### ■ Commercial mode (ART60/90)

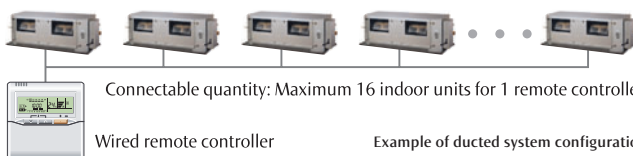
By enabling the indoor unit's internal controls, you can achieve a continual fan operation in the heating mode, as required for commercial installations.

### ■ Temperature Set Back Timer

Use this timer function to change the set temperature in the operation times set for each day of the week. This can be used together with other timer settings.

### ■ Group control

One remote controller can control up to 16 heat pumps. All of the heat pumps will be operated with the same settings.



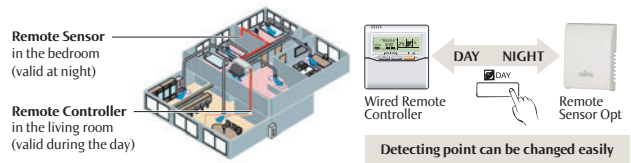
### ■ Simplified wired remote controller (optional)

This controller can be used as an option slave controller for dual comfort. It offers easier operation and backlit display.



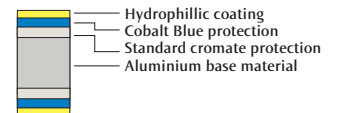
### ■ Room temperature sensor selection

- Remote controller has remote sensor included.
- User can select between remote controller sensor and/or return air sensor or remote sensor.



### ■ Cobalt blue heat exchanger

The outdoor unit fins are coated with a blue corrosion resistant material to enhance durability and extend performance life of your air conditioner.



### ■ Child lock function

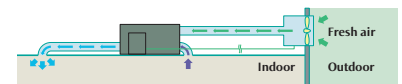
Simply pressing a combination of buttons on the standard wired remote controller, locks and unlocks the keypad, stopping accidental and unauthorised use.



### ■ Advanced features

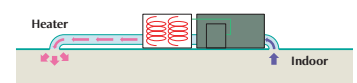
#### 1. Fresh air output port.

Fresh air is connected with the fan of an indoor unit.



#### 2. Electrical heater output port.

Electrical heater operates at the time of heating.



#### 3. External input port. Start/stop of the air conditioner can be changed from the external equipment.

## SPECIFICATIONS

| Type                         |              |            | Lo Static Ducted | Lo Static Ducted | Hi Static Ducted | Hi Static Ducted |      |
|------------------------------|--------------|------------|------------------|------------------|------------------|------------------|------|
| MODEL No.                    | Indoor Unit  |            | ART25UUAN        | ART30UUAN        | ART60UJAK        | ART90TUAJ        |      |
|                              | Outdoor Unit |            | AOT25UNAKL       | AOT30UNBWL       | AOT60UMAYT       | AOT90TPC3L       |      |
| Reverse Cycle                |              |            | Yes              | Yes              | Yes              | Yes              |      |
| Cooling Capacities           | Watts        |            | 7,050            | 8,500            | 16,500           | 26,400           |      |
|                              | BTU/Hr       |            | 24,000           | 29,400           | 56,300           | 87,000           |      |
| Heating Capacities           | Watts        |            | 7,700            | 9,500            | 19,700           | 29,500           |      |
|                              | BTU/Hr       |            | 26,300           | 32,400           | 67,200           | 100,000          |      |
| Star Rating                  | Cool         |            | 3                | 3.5              | N/A              | N/A              |      |
|                              | Heat         |            | 4                | 4                | N/A              | N/A              |      |
| E.E.R Cool                   | W/W          |            | 2.58             | 2.74             | 2.66             | 2.61             |      |
| C.O.P Heat                   | W/W          |            | 3.21             | 3.33             | 3.43             | 2.92             |      |
| Running Current              | Cool         | Amps       | 11.8             | 14               | 10.9/Ph          | 19.5/Ph          |      |
|                              | Heat         | Amps       | 10.5             | 13               | 10.6/Ph          | 19.5/Ph          |      |
| Input Power                  | Cool         | Watts      | 2,730            | 3,100            | 6,200            | 10,100           |      |
|                              | Heat         | Watts      | 2,400            | 2,850            | 5,750            | 10,100           |      |
| Moisture Removal             | L/Hr         |            | 2.5              | 3                | 4                | 7.5              |      |
| Fan Speeds                   |              |            | 3                | 3                | 3                | 1                |      |
| Air Circulation              | I/s          |            | 320 @ 100Pa      | 400 @ 100Pa      | 1000 @ 100Pa     | 1,200 @ 200Pa    |      |
| Indoor Sound Pressure Level  | Low          | DbA at 1m  | 34               | 36               | 42               | N/A              |      |
|                              | Med          | DbA at 1m  | 36               | 38               | 45               | N/A              |      |
|                              | High         | DbA at 1m  | 38               | 40               | 49               | 50               |      |
| Outdoor Sound Pressure Level | DbA at 1m    |            | 54               | 54               | 57               | 61               |      |
| Outdoor Sound Power Level    | DbA          |            | 65               | 67               | 68               | 70               |      |
| Dimensions and Weights       | I.U.         | Height     | mm               | 270              | 270              | 400              | 450  |
|                              |              | Width      | mm               | 1135             | 1135             | 1050             | 1550 |
|                              |              | Depth      | mm               | 700              | 700              | 500              | 700  |
|                              |              | Net Weight | kg               | 43               | 43               | 50               | 85   |
|                              | O.U.         | Height     | mm               | 650              | 835              | 1290             | 1380 |
|                              |              | Width      | mm               | 830              | 900              | 900              | 1300 |
|                              |              | Depth      | mm               | 320              | 330              | 330              | 650  |
|                              |              | Net Weight | kg               | 59               | 74               | 118              | 245  |
| Compressor Type              |              |            | Rotary           | Rotary           | Scroll           | Scroll           |      |
| Ductwork Plenum size         | Supply       | mm         | 1065 X 202       | 1065 X 202       | 850 X 295        | 1200 X 350       |      |
|                              | Return       | mm         | 1015 X 240       | 1015 X 240       | 865 X 325        | 1250 X 370       |      |
| Ex Static Pressure           | Pa           |            | 30 to 150        | 30 to 150        | 100 to 250       | 100 to 300       |      |
| Interconnect cables - size   | Qty - mm2    |            | 4 - 1.5          | 4 - 1.5          | 4 - 1.5          | 4 - 1.5          |      |
| Recommended Min. Power Cable | mm2          |            | 4                | 4                | 2.5              | 2.5              |      |
| Phase - Frequency            | Ph - Hz      |            | 1 - 50           | 1 - 50           | 3 - 50           | 3 - 50           |      |
| Power Supply Attachment      |              |            | Outdoor          | Outdoor          | Outdoor          | Indoor/Outdoor   |      |
| Power Supply                 | Volts        |            | 230              | 230              | 415              | 415              |      |
| Refrigerant Type             |              |            | R410a            | R410a            | R410a            | R410a            |      |
| Connection Pipe Sizes        | Gas          | mm         | 15.88            | 15.88            | 19.05            | 28.58            |      |
|                              | Liquid       | mm         | 9.52             | 9.52             | 9.52             | 12.7             |      |
| Minimum Pipe Length          | Metre        |            | 5                | 5                | 5                | 5                |      |
| Maximum Pipe Length          | Metre        |            | 25               | 30               | 50               | 50               |      |
| Maximum Pipe Height          | Metre        |            | 15               | 15               | 30               | 30               |      |
| Pre Charged Length           | Meter        |            | 7.5              | 7.5              | 20               | 30               |      |
| Pipe Connection Method       |              |            | Flare            | Flare            | Flare            | Flare            |      |
| Outdoor Operating Temp       | Cool         | Degree C   | 0 to 43          | 0 to 43          | 0 to 43          | 0 to 46          |      |
|                              | Heat         | Degree C   | -7 to 24         | -7 to 24         | -10 to 24        | -10 to 21        |      |
| Soft Starter                 |              |            | Yes              | Yes              | N/A              | N/A              |      |



NEW ZEALAND'S FAVOURITE AIR™

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The heating method employed is the "Reverse Cycle Heating System" on all heating and cooling compatible models. Sound power level (cooling) is rated in accordance with AS 1217. Specifications and design subject to change without notice for further improvement. Please check with your dealer.

MUST BE INSTALLED AND SERVICED BY ACCREDITED AIR CONDITIONING SPECIALIST.

Recommended cable sizes are based on AS/NZS3000 and AS/NZS3008. Cooling only model specifications available upon request. Cooling/heating capacities are based on AS/NZS3823.

Cooling Indoor temp. : 27°C DB/19°C WB  
Outdoor temp. : 35°C DB/24°C WB

Heating Indoor temp. : 20°C DB  
Outdoor temp. : 7°C DB/6°C WB



## EXPLANATION OF FEATURES

- Moisture Removal**  
The computer effectively dehumidifies the air.
- Automatic Air Flow Adjustment**  
The micro-computer automatically adjusts the air flow effectively to follow the changes of room temperature.
- ON-OFF Timer**  
ON-OFF timer can be set to operate once.
- Washable Panel**
- Up/Down Swing Flaps**  
The up/down flaps automatically swing to up and down.
- Auto Restart**  
In the event of a temporary power failure, the air conditioner will automatically restart in the same operating mode as before, once the power supply is restored.
- Weekly Timer**  
Different on-off times can be set for each day.
- Long-life Ion deodorization filter**
- Right/Left Swing Flaps**  
The right/left flaps automatically swing in either direction.
- Weekly + Setback Timer**  
Weekly + Setback timer can set temperature for two time spans and for each day of the week.
- Long-life photocatalytic deodorizing filter**
- Double Swing Automatic**  
Complex swing action of flaps enables automatically to swing both horizontal and vertical directions.
- Auto-Changover**  
The unit automatically switches between heating and cooling modes based on your temperature setting and the room temperature.
- Connectable Distributing Duct**  
Conditioned air can be distributed by means of a distribution duct.
- Apple-catechin filter**
- Automatic Flaps**  
The position of the flaps is set automatically to match the operating mode. It is also possible to adjust the flaps using the remote control.
- Sleep Timer**  
The micro-computer gradually changes the room temperature automatically to afford a comfortable night's sleep.
- Connectable Fresh Air Duct**  
Duct connection port hole opening. Fresh air can be introduced through this opening.
- Wasabi antibacterial electrostatic filter**
- Auto Shut Flaps**  
The auto shut flaps close or open automatically when the unit stops or starts.
- Program Timer**  
This digital timer allows selection of one of four options. ON, OFF, ON → OFF, or OFF → ON.
- Fresh air intake**  
Fresh air can be taken in by a fan which can be connected using UTD-ECS5A (optional parts).
- Control Port**  
External inputs and outputs contained within the product allow on/off control, fresh air interlock connection and heater bank element connection. UTD-ECS5A\* (optional parts)  
\* Selected ducted units only.