

Backup ControlControl restricted to two indoor units (two groups)

### Fault backup control

Reassurance Comfort

#### Keep back up all the time!

If one of the two indoor units malfunctions and stops its operation, the other starts backup operation so that users' comfort will not be compromised.

### Capacity backup control

Comfort Energy saving Longer unit life

#### Maintains users' comfort!

When the control system detects either of its two units operating with overload, the other unit cover the capacity.

### Rotational operation control

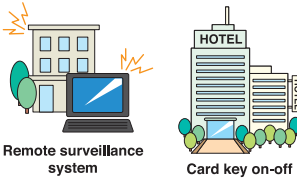
Longer unit life Energy saving

#### Energy saving and longer life!

By operating two indoor units alternately, their chronological changes are equalized. (The alternate operation cycle can be specified in a range from 1 to 999 hours in increments of 1 hours.)

Additional Functions of External Input / Output

The external input/output of indoor unit by remote controller can set input/output based on user's demand.



### External Input

| CNT (1-6)  | CNTA (1-2)  |
|--|---|
| Input  | On/Off<br>Permission/Prohibition<br>Cooling/Heating<br>Emergency Stop |
| Set temp. shift<br>Forced thermo-off<br>IU operation stop<br>Silent mode |   |

Newly added

### External Output

| CNT (New) | Output   |
|-----------|--|
| 2         | - Operation<br>- Heating<br>- Compressor ON (thermo-ON)  |
| 3         | - Inspection   |
| 4         | - Fan operation<br>- Fan operation with Phi or Hi<br>- Fan operation with Me or Lo<br>- Defrosting (oil return in heating operation) |
| 5         | - Ventilation<br>- Heater ON<br>- Free cooling<br>- IU overload alarm  |

Newly added

### Silent Mode Control

The Outdoor unit is controlled prioritising quiet operation. Silent mode control must be set to the F1 or F2 switch. User can start/stop the silent mode control with a single tap of a button.

Language Switching

User can select from the following languages and also switch them on the top display.

English German French Spanish  
Russian Polish Italian Dutch  
Turkish Portuguese Chinese Japanese

Indoor Unit Capacity Display

Capacities of Indoor units connected to the RC-EX3A are displayed.

| Indoor unit No. | Capacity |
|-----------------|----------|
| 000             | 80       |
| 001             | 112      |
| 002             | 140      |

Error display

If any error occurs on the air conditioner, the "Unit protection stop" is indicated on the message display.

**"Error"**

| Code | IU  | OU    |
|------|-----|-------|
| E07  | 000 | IU000 |
| E08  | 001 | IU001 |
| E09  | 002 | IU002 |
| E40  | 003 | IU003 |

R/C: Normal

Contact company  
Company MHI  
Phone No. 000-000-0000

FDTINVERTER CEILING CASSETTE

FDT50/71/100/125YA-W/W8




Draft Prevention Panel (Option)

FDC50YNA-W FDC71YNA-W8  
SCM40YS-W FDC100YNA-W8  
FDC125YNA-W8

Remote control (optional)

| Wired   |       |        | Wireless            |                     |
|---------|-------|--------|---------------------|---------------------|
| RC-EX3A | RC-E5 | RCH-E3 | RCN-T-5BW-E2(White) | RCN-T-5BB-E2(Black) |

SPECIFICATIONS



| Type (Inverter)   | SINGLE PHASE                                |                           |                           |                                  |                           |                           |
|---|---|---------------------------|---------------------------|----------------------------------|---------------------------|---------------------------|
|  | HP (Rated)                                  | 2                         | 3                         | 3                                | 4                         | 5                         |
|   | MODEL                                       | FDT50YA-W                 | FDT71YA-W8                | FDT71YA-W8                       | FDT100YA-W8               | FDT125YA-W8               |
|   | NEA LABEL TICK                              | 4                         | 4                         | 5                                | 4                         | 4                         |
|   | COOLING CAPACITY KW (MIN / RATED / MAX)     | 1.6 / 5.3 / 5.7           | 1.7 / 7.1 / 9.0           | 1.7 / 7.1 / 9.0                  | 2.8 / 9.5 / 12.5          | 2.8 / 11.0 / 13.7         |
|   | POWER CONSUMPTION                           | 1.38                      | 1.76                      | 1.76                             | 2.19                      | 2.72                      |
|   | INRUSH CURRENT (A)                          | 6.30                      | 8.00                      | 8.00                             | 10.00                     | 12.4                      |
|   | MAX CURRENT (A)                             | 12                        | 17.00                     | 17.00                            | 4.32                      | 4.32                      |
|   | DIMENSION H x W x D (mm) INDOOR UNIT        | 236 x 840 x 840           | 236 x 840 x 840           | 236 x 840 x 840                  | 298 x 840 x 840           | 298 x 840 x 840           |
|   | DIMENSION H x W x D (mm) DECORATIVE PANEL   | 35 x 950 x 950            | 35 x 950 x 950            | 35 x 950 x 950                   | 35 x 950 x 950            | 35 x 950 x 950            |
|   | AIRFLOW M3/MIN                              | P-Hi:22 Hi:16 Me:13 Lo:10 | P-Hi:28 Hi:18 Me:15 Lo:12 | P-Hi:28 Hi:18 Me:15 Lo:12        | P-Hi:36 Hi:27 Me:24 Lo:18 | P-Hi:36 Hi:28 Me:25 Lo:19 |
|   | DECORATIVE PANEL                            | T-PSA-5BW-E               | T-PSA-5BW-E               | T-PSA-5BW-E                      | T-PSA-5BW-E               | T-PSA-5BW-E               |
|   | STANDARD REMOTE (WIRELESS)                  | RCN-T-5BW-E               | RCN-T-5BW-E               | RCN-T-5BW-E                      | RCN-T-5BW-E               | RCN-T-5BW-E               |
| OPTIONAL (WIRED)  | RC-E5                                       | RC-E5                     | RC-E5                     | RC-E5                            | RC-E5                     |                           |
| OUTDOOR UNIT  | MODEL                                       | FDC50YNA-W                | FDC71YNA-W8               | SCM40YS-W                        | FDC100YNA-W8              | FDC125YNA-W8              |
|   | DIMENSION H x W x D (mm)                    | 595 x 780 x 290           | 750 x 880 x 340           | 750 x 880 x 340                  | 845 x 970 x 370           | 845 x 970 x 370           |
|   | REFRIGERANT PIPE SIZE (LIQUID/GAS)mm        | 6.35(1/4") / 12.7 (1/2")  | 6.35(1/4") / 12.7 (1/2")  | 6.35(1/4") X 4 / 9.52 (3/8") X 4 | 9.52(3/8") / 15.88 (5/8") | 9.52(3/8") / 15.88 (5/8") |
|   | REFRIGERANT LINE (1 WAY) LENGTH (m)         | 25                        | 50                        | 25                               | 50                        | 50                        |
|   | VERTICAL HEIGHT DIFF OUTDOOR TOP/BOTTOM (m) | 15                        | 20                        | 20                               | 20                        | 20                        |
|   | UNIT NET WEIGHT (kg)                        | 32                        | 51                        | 60.5                             | 70                        | 70                        |
|   | RECOMMENDER BREAKER SIZE (A)                | 20                        | 20                        | 20                               | 30                        | 30                        |

























DUE TO PRODUCT INNOVATION, PRODUCT SPECIFICATION MAY VARY WITHOUT PRIOR NOTICE. IMAGE(S) SHOWN HEREIN ARE FOR ILLUSTRATION PURPOSE.



# BENEFITS SUMMARY

■ Indoor units

When using RC-EX3A (Remote control), functions with symbol  are available. However, for RC-E5 (Remote control), functions with  are not available.

|            |   |   |           |    |
|------------|---|---|--|---|
| Economy    | 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.  |           |    |
|            | Automatic Operation          | This function automatically selects the required cooling function based on the current room conditions.   |           |    |
| Comfort    | Motion sensor                | This sensor detects human activity and shifts the temperature setting according to the amount of activity in the room.  |  Option   |   |
|            | Flap Control System          | This function allows you to set the upper and lower limit positions of the flap at each air outlet individually, providing you with complete control over interior air flow.  |           |   |
| Air flow   | Vertical Auto Swing          | The vertical louvers on your unit will move up and down continuously during operation. This function allows you to set the up/down swing position of the louver to your preferred operation angle.  |           |   |
|            | Draft prevention setting     | Draft Prevention setting provides a comfortable air flow without any draft feeling. Whether cooling or heating a room, the remote control can be used to instantly suppress any warm or cool drafts. This accurately assists how air flow is directed out of the indoor unit. |  Option   |   |
|            | Automatic Fan Speed          | The unit's on-board microcomputer continuously monitors the room's air temperature and adjusts the air flow automatically.  |           |    |
|            |   |   |  |   |
| Timer      | Sleep Timer                 | This function allows you to set a pre-determined amount of time between 30 and 240 minutes that your unit will operate for before switching off.  |         |  |
|            | Weekly Timer               | Set your unit to turn on and off automatically on a weekly basis to suit your usual room usage on each day.   |         |  |
| Convenient | Function Switch            | From the seven available functions on the unit, this function allows you to set two functions to operate automatically.   |         |  |
|            | Favorite setting           | Operation mode, set temperature, fan speed and air flow direction automatically adjust to the programmed favorite setting.  |         |  |
|            | Select the language        | Set the language to be displayed on the remote control.   |         |  |
|            | Air Filter                 | The air filter in the unit traps and removes airborne dust particles and other allergens to provide you with a clean air function.  |  Option |   |
|            | Filter Sign                | This warning alerts you to when the filter needs to be cleaned.   |         |  |
|            | Outside Air Intake         | This function provides clean fresh air into the room through the external air intake, avoiding the constant recycling of internal air.  |         |  |
| Others     | Self Diagnostics           | The internal microcomputer automatically runs a diagnostic of the system in the event of a malfunction. This enables your authorised dealer to isolate and repair any issues.   |         |  |
|            | Built in Drain Pump        | The built-in drain pump, allows greater flexibility with installation, offering a great solution for applications with limited space.   |         |  |
|            | 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.  |  |  |



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