

# FDMR

Cooling Only

R-410A



Compact Indoor Height 375mm

Flexible use of space is made possible using duct to meet high static and large airflow for wider coverage commercial requirements

FDMR36



3-PHASE POWER SUPPLY



HIGH AMBIENT TEMPERATURE WORKING UP TO 48°C



MOST SILENT INDOOR OPERATION 53 dB



COMPACT & SPACE SAVER IDU 375 MM



PRE CHARGE ECO GREEN REFRIGERANT

|             |        |           |
|-------------|--------|-----------|
| FDMR36ERV16 | 3.0 TR | (Cooling) |
|-------------|--------|-----------|

## ACCESSORY REQUIRED FOR INDOOR UNIT

**Wired Handset** Standard

**LCD TYPE**  
(Applicable for FDMR/FDR/FD)

| CAPACITY                        | TONNAGE (TR) | 3.0   |
|---------------------------------|--------------|-------|
| 3.0 TR NON INVERTER DUCT R-410A |              | 3ø    |
| STATIC PRESSURE                 |              | 30 Pa |

**Wired Handset** Option

**BRC4N151**  
(Cooling Only)

# FDB/MF & FDMQN SERIES

Cooling Only & Heat Pump



Enhance the décor of your room with the new unobtrusive concealed series



HIGH EFFICIENCY SWING ROTARY COMPRESSOR



HIGH AMBIENT TEMPERATURE WORKING UP TO 48°C



MOST SILENT INDOOR OPERATION \*26 dB



ULTRA LOW HEIGHT IDU (250MM)



SELECTABLE FAN SPEED

|                              |                  |         |        |
|------------------------------|------------------|---------|--------|
| FDBF12~FDMF48 (COOLING ONLY) | 3.5 KW ~ 14.0 KW | COOLING | R-32   |
| FDMQN25~140 (HEAT PUMP)      | 2.8 KW ~ 16.1 KW | COOLING | R-410A |
|                              | 2.8 KW ~ 16.1 KW | HEATING | R-410A |

## ACCESSORY REQUIRED FOR INDOOR UNIT

**Wired Handset** Standard

**BRC51A61**  
(Heat Pump)  
(Applicable for FDMQN only)

LCD type  
(Applicable for FDB/MF)

**Wired Handset** Standard

**BRC52A61**  
(Heat Pump)  
(Applicable for FDMQN only)

**BRC4N151**  
(Cooling Only)

\*Available with FDMQN models.

## FEATURES FDMR(Q)N

### EXCELLENT AIR DISTRIBUTION

The conditioned air can be distributed evenly to every corner of the room through ducting. This helps to create a pleasant environment and maintain comfort. Furthermore, multiple areas can be conditioned simultaneously by using just one indoor unit.

### AUTO RANDOM RESTART WITH LAST-STATE-MEMORY

In the event of a sudden power failure during operation, unit restarts automatically in 64 different recovery timing patterns (within 180 seconds to 244 seconds) and the unit will operate based on the previous setting (operating mode, temperature setting and fan speed). This ensures that air-conditioners in the same building resume randomly instead of all units resuming at the same time, preventing power surge after a blackout.

### DOUBLE PROTECTION DRAINAGE SYSTEM

The primary drain pan is designed with high thermal insulation material and moulded in gradient for better condensate water drainage. The extra secondary drain pan 'built-in' to the standard unit offers extra protection against possible water leaking problems.

### FLEXIBILITY IN SYSTEM DESIGN

The unit offers fan motor that can operate up to 4 speeds, thus providing choices of external static pressure for designing ducting system.

### SELF DIAGNOSIS FEATURES

The microprocessor provides the possibility to detect and to diagnose any faults that occurs in the system. Faults are displayed as error code in the wired controller. This will ease the troubleshooting process.

## FEATURES FDB/MF

### WIDE EXTERNAL STATIC RANGE

Wide static range makes these series suitable to wide applications. Low static machines finds their application at space constraint areas i.e. Hotels and apartments. This series offering includes mid static machines also which meet the static requirements of long ducts and multi zones.

| Refrigerant | Model Size (TR) | 1.0 | 1.5 | 2.0 | 2.5 | 2.8 | 3.5 | 4.0 |
|-------------|-----------------|-----|-----|-----|-----|-----|-----|-----|
| R-32        | Static (Pa)     | 20  | 20  | 20  | 20  | 30  | 40  | 50  |

### LOW HEIGHT APPLICATION

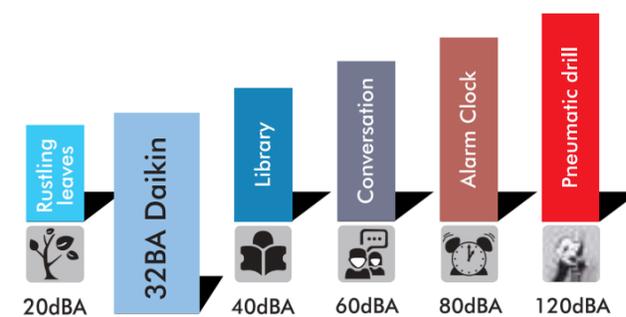
New residential and commercial spaces, HVAC requirement are tilting towards low height indoor machines. FDBF range of low static machines with unit's height as low as 250 mm are the perfect match for low ceiling height installations.

| Model Size (TR)  | 1.0 | 1.5 | 2.0 | 2.5 | 2.8 | 3.5 | 4.0 |
|------------------|-----|-----|-----|-----|-----|-----|-----|
| Unit Height (mm) | 250 | 250 | 250 | 295 | 295 | 295 | 295 |

### QUIET OPERATION

Daikin ceiling concealed machines are designed to keep enclosed area super quiet. Enclosed areas air-conditioned by FDBF machines are quieter than libraries.

| Model Size (TR) | Speed | 1.0 | 1.5 | 2.0 | 2.5 | 2.8 | 3.5 | 4.0 |
|-----------------|-------|-----|-----|-----|-----|-----|-----|-----|
| Sound Level dBA | H     | 36  | 39  | 43  | 43  | 42  | 42  | 49  |
|                 | M     | 34  | 36  | 40  | 40  | 39  | 39  | 45  |
|                 | L     | 32  | 34  | 38  | 38  | 36  | 36  | 43  |



## FEATURES



### NEW WIRED LCD REMOTE CONTROLLER

New LCD based wired type remote handset with alphabetic error display like HP, LP, SPPR, indoor fan current sensor etc. In-built energy saver dedicated button and glossy finish.



### HIGH PERFORMANCE EVEN AT HIGH AMBIENT TEMPERATURE

Always keeping your comfort in mind, Daikin ducted air conditioners work at high ambient temperature (48°C) without tripping. Get the best out of Daikin ducted air conditioners even in hot weather conditions.



### UNDER VOLTAGE AND OVER VOLTAGE PROTECTION

Given the erratic electricity supply it becomes important that your air conditioners are guarded against under voltage and over voltage. Daikin ducted air conditioners offer protection against voltage fluctuation thus enhancing the operating life of your air conditioners.



### PHASE IMBALANCE VOLTAGE

It is vital that your air conditioner is protected against imbalance and Daikin duct air conditioners offer this protection to ensure reliable operation of the air conditioner.

Electrical equipment especially motors and their controllers will not operate reliably on unbalanced voltages. Greater imbalances may cause overheating of components and damage the air conditioners.



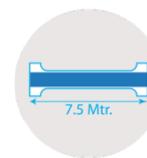
### PHASE LOSS PROTECTION

In case of any phase loss Daikin machine will display error on its controller.



### PHASE REVERSE PROTECTION

Phase reversal could cause serious problems therefore much care is required to protect the motor from such type of fault. Daikin duct air conditioners offer protection from phase reversal thus enhancing the life of the air conditioners.



### PRE-CHARGED REFRIGERANT

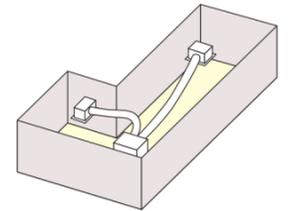
FDMR36ERV16 model is available with pre-charged refrigerant for 7.5 meter piping length. No need for additional refrigerant charge on-site if piping length is upto 7.5 meters.

## COMFORT

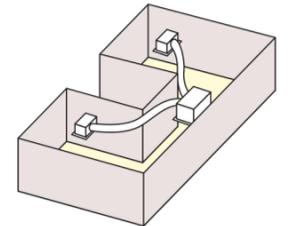
### SUPERIOR AIR DISTRIBUTION FOR COMFORTABLE LIVING

The conditioned air can be effectively distributed to every corner of the room through the ducting and this ensures a pleasant environment for comfortable living.

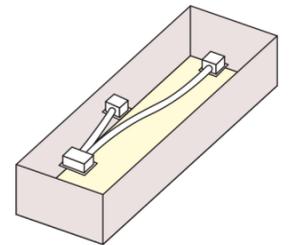
#### L-SHAPED ROOM



#### U-SHAPED ROOM



#### LONG ROOM



## OUTDOOR UNIT COMPACT DESIGN

