

R410A

Non Inverter

Ceiling
Concealed
Series



R410A

Features

Hidden Comfort

The application of the FDBN/FDMN series are installed conveniently above the ceiling, making it an ideal cooling choice for both commercial and residential applications. Highly recommended for restaurants, offices and houses with sufficient ceiling height.

Even Air Distribution

The ducting system distributes air flow remarkably even to all corners of the room, delivering option cooling efficiency and comfort.

Evergreen Prestige

Unlike other indoor units split air-conditioning, FDBN/FDMN series will not tarnish along with time. With its unique concealed application, FDBN/FDMN series stays evergreen forever.

5+1 Years Warranty

Designed for durability and component quality, the units comes with 5 years warranty for compressor and 1 year warranty for general parts.



Slim Wired Controller

- Prominent temperature display.
- Real-time clock display.
- Easily accessible buttons.
- Dedicated buttons for Quiet and Turbo functions
- Key lock function
- Real-time timer (7 days option, 2 events daily)



DSL8M Wired Controller

Specification



FDBN10CV1M
FDMN10CV1M



FDBN15/20/25CV1M
FDMN15/20/25CV1M



FDMN30/40/50/60CV1M

R410A

MODEL	INDOOR UNIT		LOW STATIC PRESSURE	FDBN10CV1M	FDBN15CV1M	FDBN20CV1M	FDBN25CV1M
	OUTDOOR UNIT		HIGH STATIC PRESSURE	FDMN10CV1M	FDMN15CV1M	FDMN20CV1M	FDMN25CV1M
				RN10FV1	RN15FV1	RN20CV1	RN25CV1
TOTAL COOLING CAPACITY			Btu/hr	9,000	12,000	18,000	21,000
			W	2,630	3,510	5,270	6,150
INPUT POWER	FDBN SERIES		W	977	1,420	1,799	2,042
	FDMN SERIES		W	970	1,430	1,835	2,080
RUNNING CURRENT, 1Ø [30]	FDBN SERIES		A	4.38	6.35	7.93	9.03
	FDMN SERIES		A	4.35	6.41	8.12	9.24
EER	FDBN SERIES		Btu/hr/W / W/W	9.21 / 2.70	8.45 / 2.48	10.00 / 2.93	10.28 / 3.01
	FDMN SERIES		Btu/hr/W / W/W	9.28 / 2.72	8.39 / 2.46	9.81 / 2.87	10.10 / 2.96
POWER SOURCE			V/Ph/Hz	220-240 / 1 / 50			
REFRIGERANT TYPE AND CONTROL				R410A / Outdoor Cap.Tube			
EXT. STATIC PRESSURE	FDBN SERIES		Pa	10 / 8 / 5			
	FDMN SERIES		Pa	30 / 25 / 18	30 / 23 / 19	20 / 19 / 16	20 / 18 / 15
AIR FLOW			CFM	250	410	540	607
SOUND PRESSURE LEVEL (H/L)	FDBN SERIES		dBA	32/26	36/27	38/35	40/38
	FDMN SERIES		dBA	33/26	37/29	39/37	41/39
UNIT DIMENSION (HxWxD)	INDOOR UNIT		mm	261 x 765 x 411	261 x 905 x 411	261 x 1065 x 411	261 x 1200 x 411
	OUTDOOR UNIT		mm	550 x 658 x 273		654 x 855 x 328	
UNIT WEIGHT	INDOOR UNIT		kg	18	22	24	26
	OUTDOOR UNIT		kg	28	29	43	47
PIPE CONNECTION	SIZE	LIQUID	mm	6.35 / 1/4			
		GAS	mm	9.52 / 3/8	12.7 / 1/2		15.88 / 5/8
MAX. PIPING LENGTH			m	20		30	
MAX. HEIGHT DIFFERENCE			m	10		15	
HEAT INSULATION				Both Liquid and Gas Piping			

MODEL	INDOOR UNIT		FDMN30CV1M		FDMN40CV1M		FDMN50CV1M	FDMN60CV1M
	OUTDOOR UNIT		RN28CV1	RN30CV1	RN35DV1	RN40DY1	RN50DY1	RN61DY1
TOTAL COOLING CAPACITY			Btu/hr	28,000	30,000	36,000	42,000	55,000
			W	8,210	8,790	10,550	12,310	16,120
INPUT POWER			W	3,000	3,150	4,150	4,500	5,758
RUNNING CURRENT, 1Ø [30]			A	13.70	14.40	18.20	[7.30]	[8.66]
EER			Btu/hr/W / W/W	9.33 / 2.74	9.52 / 2.79	8.67 / 2.54	9.33 / 2.74	9.22 / 2.70
POWER SOURCE			V/Ph/Hz	220-240 / 1 / 50			380 - 415 / 3 / 50	
REFRIGERANT TYPE AND CONTROL				R410A / Outdoor Cap.Tube				
EXT. STATIC PRESSURE			Pa	100 / 82 / 60		100 / 67 / 45		100 / 81 / 70
			Pa					100 / 72 / 58
AIR FLOW			CFM	970		1,300		1,660
SOUND PRESSURE LEVEL (H/L)			dBA	47 / 42		50 / 43		51 / 46
			dBA					52 / 47
UNIT DIMENSION (HxWxD)	INDOOR UNIT		mm	378 x 929 x 541		378 x 1,045 x 541		378 x 1,299 x 541
	OUTDOOR UNIT		mm	756 x 855 x 328		852 x 1,030 x 400		378 x 1,499 x 541
UNIT WEIGHT	INDOOR UNIT		kg	42		44		50
	OUTDOOR UNIT		kg	57		71		84
PIPE CONNECTION	SIZE	LIQUID	mm	9.52 / 3/8				
		GAS	mm	15.88 / 5/8				19.05 / 3/4
MAX. PIPING LENGTH			m	45		50		
MAX. HEIGHT DIFFERENCE			m	25		30		
HEAT INSULATION				Both Liquid and Gas Piping				

1) DUE TO OUR POLICY OF INNOVATION, ALL SPECIFICATIONS ARE SUBJECTED TO CHANGE BY THE MANUFACTURER WITHOUT PRIOR NOTICE.

2) ALL UNITS ARE BEING TESTED AND COMPLY TO INTERNATIONAL STANDARD ISO13253.

3) NOMINAL COOLING CAPACITY ARE BASED ON THE CONDITIONS BELOW :

COOLING 27°C DB / 19°C WB INDOOR AND 35°C DB / 24°C WB OUTDOOR

4) SOUND PRESSURE LEVELS ARE MEASURED IN ANECHOIC CHAMBER. DURING ACTUAL OPERATION, SOUND PRESSURE LEVEL WILL HIGHER AS A RESULT OF ROOM SPECIFICATION CONDITION.

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