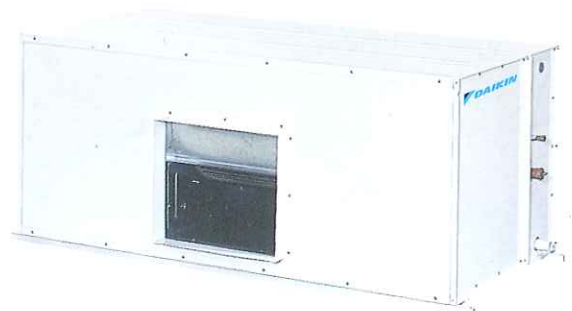


High Static Pressure Duct Type



FD75 • 100BV1M



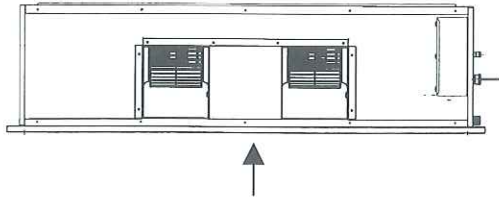
FD125 • 150BY1M

Cooling Only [50Hz]

R-22

EASY MAINTENANCE

The simple design concept has provided the ease of maintenance and servicing. Access to the internal part of the unit can be from the service panel or other side of the unit by loosening a few screws.



Only for model FD75/100B with additional service panel from bottom

AIR DISCHARGE ORIENTATION

FD75-200B models come with standard horizontal air discharge.

FD250-500B models only come with standard vertical air discharge and they can be converted to horizontal air discharge at the site. FD250-500B models with horizontal air discharge are not offered from factory. FD600-750B models are offered in vertical and horizontal air discharge as standard by differentiate of nomenclature.

COMPACT INDOOR UNIT

Indoor models are designed with compact size to provide some saving in space for installation.

VERSATILITY

Multiple rooms can be cooled together at the unit.

FRESH AIR INTAKE FOR HEALTH

Fresh air can be introduced into the building through the unit. This will help to improve the indoor air quality.

Specifications - Cooling Only (R-22) -

Model	Indoor Unit		FD75BV1M	FD100BV1M	FD125BY1M	FD150BY1M	FD200B2Y1M	FD250B2Y1M	FD300B2Y1M
	Outdoor Unit		R75CY1M	R100BY1M	R125BY1M	R150CY1M	R100BY1M x 2	R125BY1M x 2	R150CY1M x 2
Nominal Capacity	Btu / h		75,000	100,000	125,000	150,000	200,000	250,000	300,000
	W		21,981	29,310	36,635	43,962	58,600	73,250	87,900
Nominal Total Input Power	W		7,960	11,000	11,988	16,860	21,130	25,146	34,460
Nominal Running Current	A		14.3	20.0	22.2	29.1	39.8	45.4	59.1
Power Supply	V / Ph / Hz		380-415/3/50						
Refrigerant Type			R-22						
Control	Operation		Wired Control						
Air Flow	High	l/s / cfm	1,180/2,500	1,322/3,200	1,793/3,800	2,171/4,600	3,021/6,400	3,776/8,000	4,248/9,000
	Medium	l/s / cfm	991/2,100	1,275/2,700	—				
	Low	l/s / cfm	850/1,800	1,085/2,300	—				
External Static Pressure	Pa / in.wg		134.8/0.54	99.93/0.4	195.84/0.787	148.81/0.598	158.2/0.64	417.2/1.67	325.4/1.31
Sound Pressure Level	dBA		56	57	58	59	61	63	66
Unit Dimension	Height	mm / in	572/22.52	572/22.51	885/37.20	885/34.84	945/37.20	1,291/50.82	
	Width	mm / in	1,502/59.13		1,640/64.56		1,894/74.56	1,866/73.46	
	Depth	mm / in	761/29.96		1,040/29.71	1,040/40.94	980/38.58	1,199/47.20	
Packing Dimension	Height	mm / in	762/30.00		1,154/45.43		1,506/59.29		
	Width	mm / in	1,605/63.18	1,650/64.96	1,787/70.35		2,052/80.79	2,034/80.08	
	Depth	mm / in	880/34.64	880/34.65	1,188/46.77		1,412/55.59		
Unit Weight	kg / lb		92/203	102/225	176/388	189/417	180/396	250/551	346/762
Condensate Drain Size	mm / in		25.40/1.00						
Air Flow	l/s / cfm		2,832/6,000	3,304/7,000		5,475/11,600	3,304/7,000		5,475/11,600
Sound Pressure Level	dBA		74	65		74	65		74
Unit Dimension	Height	mm / in	946/37.24			1,041/40.98	946/37.24		1,041/40.98
	Width	mm / in	1,300/51.18	1,116/43.93					
	Depth	mm / in	500/19.68	939/36.96					
Packing Dimension	Height	mm / in	1,132/44.56	1,132/44.57		1,227/48.31	1,132/44.57		1,227/48.31
	Width	mm / in	1,414/55.66	1,282/50.47					
	Depth	mm / in	664/26.14	1,112/43.78					
Unit Weight	kg / lb		145/320	164/361	169/372	227/500	164/361	169/372	227/500
Pipe Connection	Type	Brazeing							
	Size	Liquid	mm / in	12.70/1/2	15.88/5/8				
		Gas	mm / in	25.40/1	28.58/1 1/8	34.92/1 3/8		28.58/1 1/8	34.92/1 3/8
Refrigerant Charge	kg / lb		4.5/9.92	7.60/16.76	7.95/17.53	10.10/22.27	7.60(x2)/16.76(x2)	7.95(x2)/17.53(x2)	10.10(x2)/22.27(x2)

- All specifications are subjected to change by the manufacturer without prior notice.
- All units are being tested and comply to ARI 210/240-94
- Nominal cooling and heating capacity is based on the conditions below :
Cooling - 26.7°C DB / 19.4°C WB indoor and 35°C DB / 23.9°C WB outdoor
- Sound pressure level is according to JIS B 8615 standard. The position of the measurement point is 1m in front and 1m below the unit.

with twin coil structure. This design is able to ensure...

same time by using just one unit of fan coil

HEALTHY LIVING

through the design of fresh air intakes. This

SUPERIOR AIR DISTRIBUTION FOR COMFORTABLE LIVING

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

FLEXIBILITY OF AIR SUPPLY

FD125-750B models using belt driven blower such as that the air volume and static pressure required can be adjusted according to the requirement. This flexibility allows for wider application.

SCROLL COMPRESSOR

All outdoor units are using Scroll compressor which has better energy efficiency and quiet in operation.

SEQUENTIAL CONTROLLER AS STANDARD

This controller is supplied as the standard specification for cooling model where the systems are matching with two outdoor units and more. The benefit of this controller is capable of part-loading of the system capacity.

Model	Indoor Unit		FD350B3Y1M		FD400B4Y1M	FD450B3Y1M	FD500B4Y1M	FD600B4Y1M	FD750B5Y1M ^{*5}	
	Outdoor Unit		R100BY1M	R125BY1M x 2	R100BY1M x 4	R150CY1M x 3	R125BY1M x 4	R150CY1M x 4	R150CY1M x 5	
Nominal Capacity	Btu / h		350,000		400,000	450,000	500,000	600,000	750,000	
	W		102,550		117,200	131,850	146,500	175,800	219,750	
Nominal Total Input Power	W		35,486		41,635	53,010	51,587	73,820	91,050	
Nominal Running Current	A		64.9		78.2	90.5	92.9	125.4	155.0	
Power Supply	V / Ph / Hz		380-415/3/50							
Refrigerant Type			R-22							
Control	Operation		Wired Control							
Air Flow	High	l/s / cfm	4,956/10,500		5,664/12,000	6,372/13,500	7,080/15,000	8,496/18,000	11,800/25,000	
	Medium	l/s / cfm	—							
	Low	l/s / cfm	—							
External Static Pressure	Pa / in.wg		289.9/1.16		356.7/1.43	364.6/1.46	393.7/1.58	514.9/2.07	509.0/2.04	
Sound Pressure Level	dB(A)		66		68		70	71		
Unit Dimension	Height	mm / in	1,546/60.86						1,977.8/77.86	2,257/88.86
	Width	mm / in	2,122/83.54	2,274/89.52						
	Depth	mm / in	1,199/47.20	1,466/57.71				1,905/75.00		
Packing Dimension	Height	mm / in	1,766/69.53						2,135/84.06	2,364/93.07
	Width	mm / in	2,279/89.72	2,431/95.81						2,399/94.45
	Depth	mm / in	1,412/55.59	1,684/66.3						2,005/78.94
Unit Weight	kg / lb		440/970		330/727	339/747	350/771	999/2,202	1,084/2,389	
Condensate Drain Size	mm / in		25.40/1.00							
Air Flow	l/s / cfm		3,304/7,000			5,475/11,600	3,304/7,000	5,475/11,600		
Sound Pressure Level	dB(A)		65			74	65	74		
Unit Dimension	Height	mm / in	946/37.24			1,041/40.98	946/37.24	1,041/40.98		
	Width	mm / in	1,116/43.93							
	Depth	mm / in	939/36.96							
Packing Dimension	Height	mm / in	1,132/44.57			1,227/48.31	1,132/44.57	1,227/48.31		
	Width	mm / in	1,282/50.47							
	Depth	mm / in	1,112/43.78							
Unit Weight	kg / lb		164/361	169/372	164/361	227/500	169/372	227/500		
Pipe Connection	Type		Brazing							
	Size	Liquid	mm / in	15.88 ^{5/8}						
		Gas	mm / in	28.58/1 ^{1/8}	34.92/1 ^{3/8}	28.58/1 ^{1/8}	34.92/1 ^{3/8}			
Refrigerant Charge	kg / lb		7.60/16.76	7.95(x2)/17.53(x2)	7.60(x4)/16.76(x4)	10.10(x3)/22.27(x3)	7.95(x4)/17.53(x4)	10.10(x4)/22.27(x4)	10.10(x5)/22.27(x5)	

- All specifications are subjected to change by the manufacturer without prior notice.
- All units are being tested and comply to ARI 210/240-94
- Nominal cooling and heating capacity is based on the conditions below :
Cooling - 26.7°C DB / 19.4°C WB indoor and 35°C DB / 23.9°C WB outdoor
- Sound pressure level is according to JIS B 8615 standard. The position of the measurement point is 1m in front and 1m below the unit.
- *5. Model 750 is available on request. Please contact our distributors or sales subsidiaries for details and the delivery period.