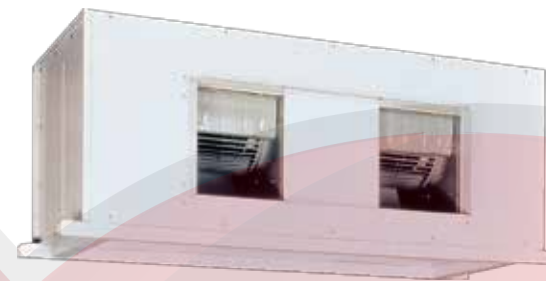


# Ducted Blower Type



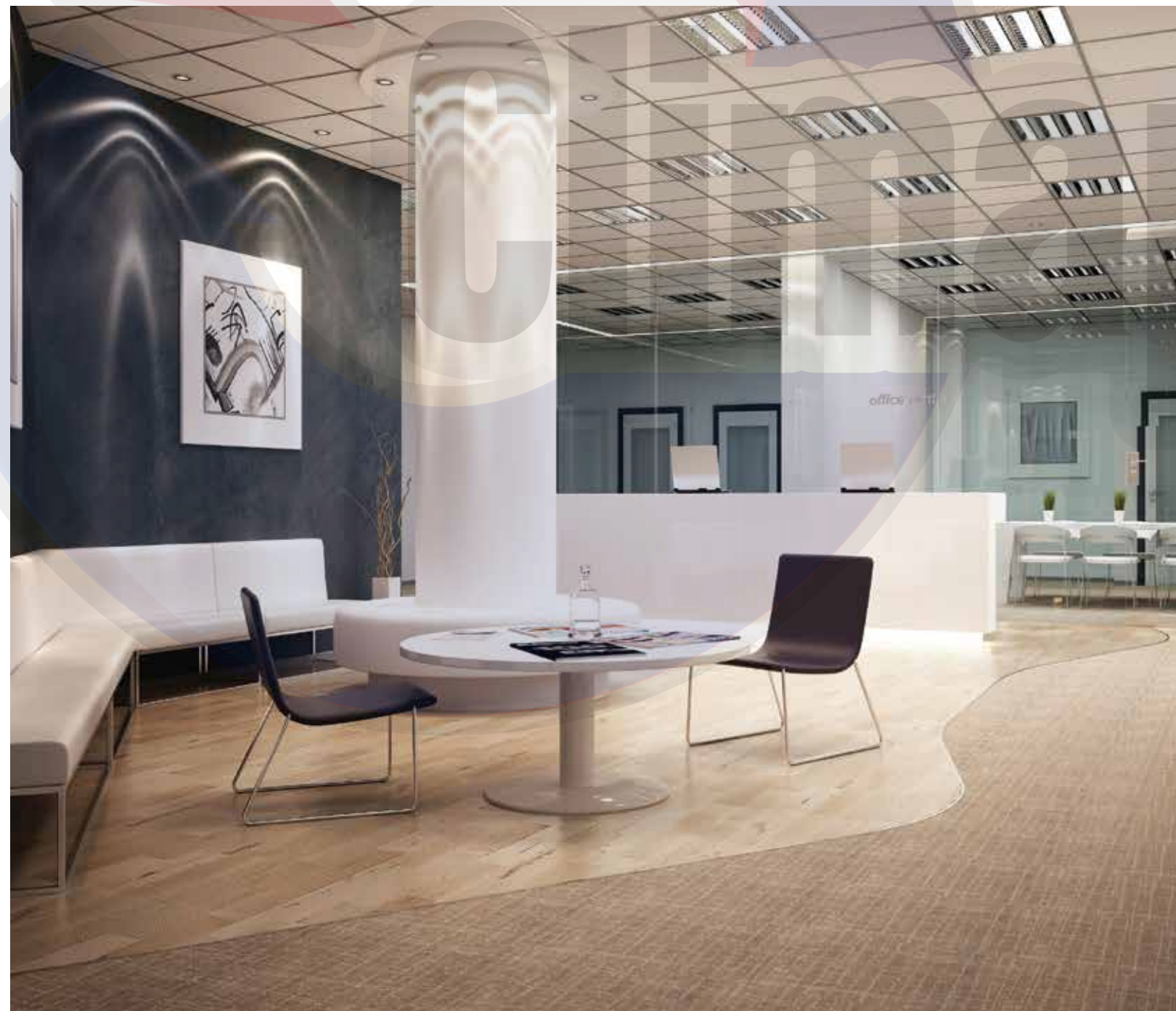
FUD20/25B



FUD40/50B

- › Excellent Air Distribution
- › 4 Useable Fan Speed\*
- › Easy To Service
- › Fire-Resistant Polysthylene Insulation
- › Left/Right Piping Option

- › Cabinet Construction
- › High External Static Pressure Range
- › Changeable Drive Package\*
- › Convertible Air Throw Direction\*
- › High CFM Range



## Excellent Air Distribution

The air can be distributed evenly to every corner of the room through ducting. This not only presents a comfortable environment, it also enables the installation of multiple area by using only one fan coil unit.



## 4 Useable Fan Speed\*

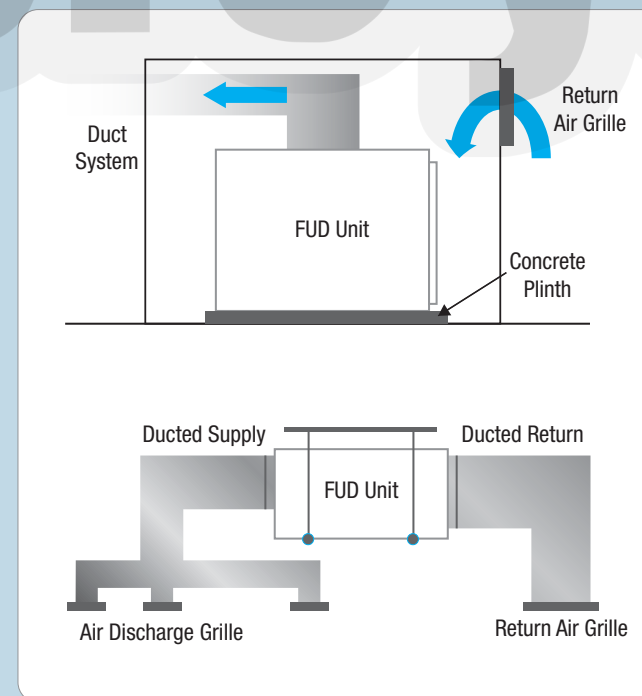
Each speed offers different external static pressure and air flow which enhances flexibility  
\*Only available for FUD20/25B

## High CFM Range

From 20kW to 40kW and 2500CFM to 4600CFM.

## Convertible Air Throw Direction\*

Convertible discharge air direction (vertical or horizontal air throw) provides flexibility in installation at site  
\*Only available for FUD30/40B



## High External Static Pressure Range

Available up to 2256Pa for high static application like the ducting application

## Cabinet Construction

It is coated with weatherproofed electro galvanized mild steel casing, with an epoxy is coated with an epoxy polyester powder costing for sever external conditions.  
Service panel is available at the convenience side as well.

## Left / Right Piping option

For flexible installation and application at site.

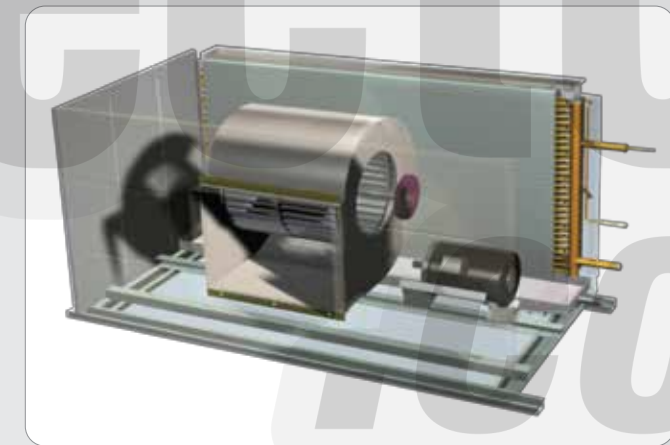
## Fire-Resistant

Polyethylene (PE) insulation is used at every possible condensate panel to prevent all forms of water or moisture penetration. Polyethylene, which is also a type of Closed Cell Foam (CCF) insulation has offered the following advantages:

- Durable external surface that resists tough dirt and resilient.
- Higher degree of puncture resistance when compared to fiberglass.
- Easily cleaned surface (if necessary) to further resist microbial growth.

## Changeable Drive Package\*

Changeable belt driven package offers flexibility in customizing project based according to application  
\*Only available for FUD30/40B



## Easy To Service

There is a service way allocated at the bottom for servicing available for FUD20/25B

Specification for Ducted Blower Type ~ 50Hz

MODEL		FUD20B	FUD25B	FUD30B	FUD40B		
NOMINAL COOLING CAPACITY	Btu/h	75600	95000	125000	150000		
	W	22160	27840	36640	43960		
NOMINAL SENSIBLE COOLING CAPACITY	Btu/h	53700	69400	90000	106500		
	W	15740	20340	26380	31210		
NOMINAL HEATING CAPACITY (ENTERING WATER TEMP. = 50°C)	Btu/h	78000	97500	138000	170000		
	W	22860	28580	40450	49820		
NOMINAL TOTAL INPUT POWER	W	760	1800	1620	1910		
NOMINAL RUNNING CURRENT	A	3.49	7.84	3.33	4.03		
POWER SOURCE	V/Ph/Hz	220-240 / 1 / 50		380-415 / 3 / 50			
REFRIGERANT TYPE		N/A					
CONTROL	AIR DISCHARGE OPERATION	DUCTED					
		WITHOUT CONTROLLER					
AIR FLOW	HIGH	CFM	2500	3200	4200	4600	
	MEDIUM	CFM	2100	3000	N/A	N/A	
	LOW	CFM	1750	2800	N/A	N/A	
EXTERNAL STATIC PRESSURE	Pa	100 / 72 / 50	100 / 80 / 60	230	230		
NOMINAL WATER FLOW RATE	USGPM	16.90	21.10	27.70	33.30		
	litres/min	64.00	80.00	105.00	126.00		
HEAD LOSS (COOLING)	kPa	34.5	42.0	48.8	53.3		
HEAD LOSS (HEATING) : 50°C	kPa	32.9	27.4	31.5	63.2		
MAX. WORKING PRESSURE	kPa	1608					
SURFACE AIR VELOCITY	m/s	2.19	2.80	1.96	2.15		
SOUND PRESSURE LEVEL	dBA	50/46/42	54/52/50	58	58		
UNIT DIMENSION	H X W X D	mm 572 x 1402 x 605		885 x 1540 x 850			
PACKING DIMENSION	H X W X D	mm 762 x 1605 x 880		1154 x 1787 x 1188			
UNIT WEIGHT	kg	92	102	176	189		
CONDENSATE DRAIN SIZE	mm	19.05					
PIPE CONNECTION	mm	28.58					
FAN	TYPE	INDUCTION					
		BLOWER					
	DRIVE	DIRECT		BELT			
		HIGH	RPM	835	950	707	707
FAN SPEED	MEDIUM	RPM	720	885	N/A	N/A	
	LOW	RPM	615	805	N/A	N/A	
FAN MOTOR	TYPE	INDUCTION					
		IP22					
	INSULATION GRADE	B					
		HIGH	W	760	1800	1620	1910
	RATED INPUT POWER	MEDIUM	W	611	1620	N/A	N/A
		LOW	W	478	1320	N/A	N/A
	RATED RUNNING CURRENT	HIGH	A	3.49	7.84	3.33	4.03
		MEDIUM	A	2.86	7.06	N/A	N/A
		LOW	A	2.32	5.82	N/A	N/A
	STARTING CURRENT	A	5.20	10.30	24.00	29.00	
MOTOR OUTPUT	W	375	500	1500	2200		
POLES		6	4	4	4		
COIL	TUBE	COPPER					
		DIAMETER	mm	9.53			
	FIN	ALUMINIUM					
		FACE AREA	m²	0.54	0.54	1.01	1.01
	ROW		3	4	3	4	
	WATER VOLUME	litre	4.53	6.27	8.14	11.63	
AIR QUALITY FILTER	TYPE	N/A					
	QUANTITY	pc	N/A				
CASING	COLOUR	IVORY					

MODE	COOLING	HEATING
ENTERING AIR TEMPERATURE	27°C DB / 19°C WB	20°C DB
ENTERING WATER TEMPERATURE	7°C	50°C (2 Pipes System) 70°C (4 Pipes System)
LEAVING WATER TEMPERATURE	12°C	45°C (2 Pipes System) 60°C (4 Pipes System)

ALL SPECIFICATIONS ARE SUBJECTED TO CHANGE BY THE MANUFACTURER WITHOUT PRIOR NOTICE.  
NOTE: ALSO AVAILABLE FOR LEFT/RIGHT PIPING.

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