

MODEL FHDC

HIGH STATIC (150 Pa External Static)

DUCTED FAN COIL UNIT

CAPACITY RANGE FROM

80,000 TO 150,000 BTU/H (23.45 kW - 43.96 kW)



FEATURES

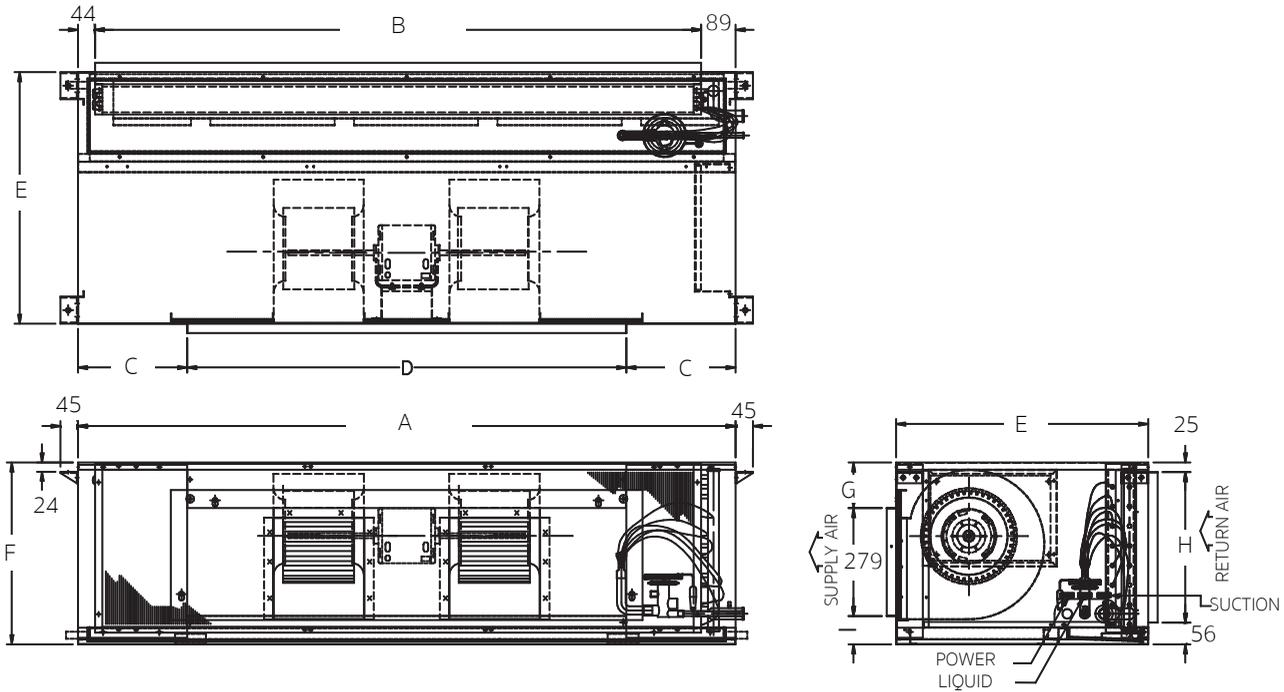
- Easy to maintenance.
 - Casing opens from left, right, and bottom of the unit
 - Drain pan, blower set, and evaporator coil easily pulled out from bottom to maintenance
- Modern SLIM design with low unit height
 - 470 mm for model 70-90
 - 575 mm for model 100-120
 - 630 mm for model 150
- 150 Pa External static pressure with direct-drive motor (3-speed taped)
- Durable construction
- Supplied with air filters



Air Conditioning Experts

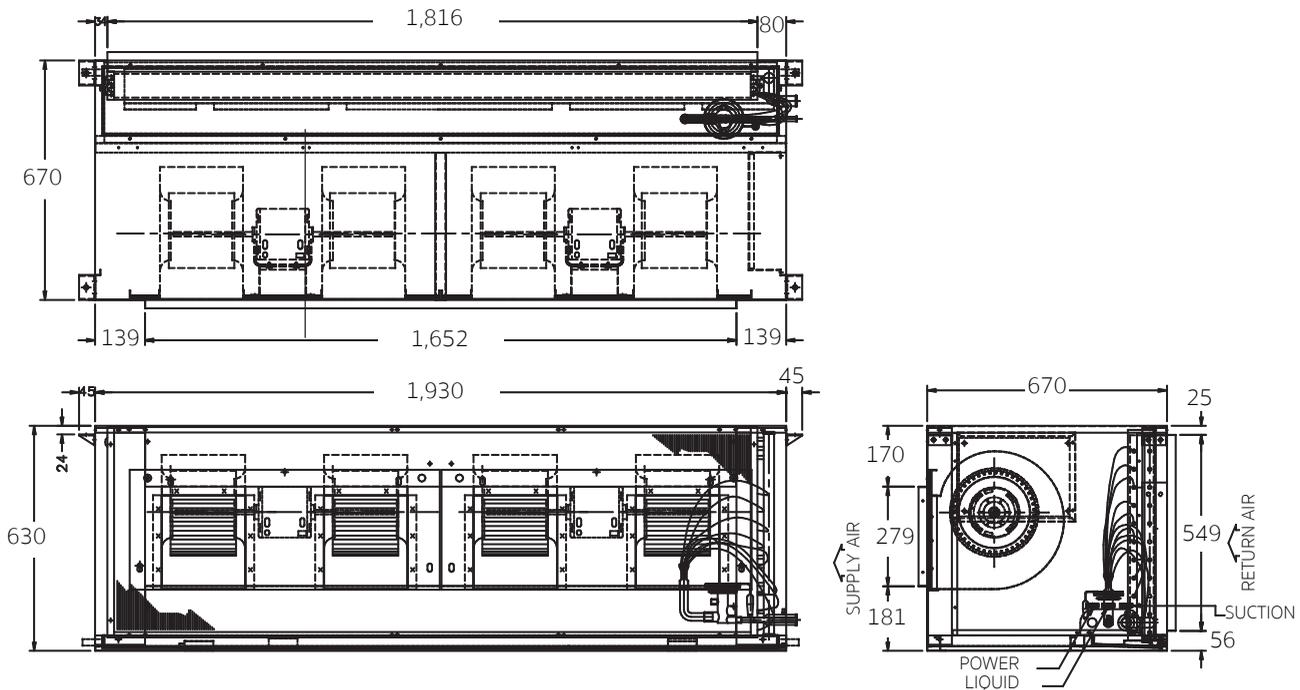
DIMENSIONAL DRAWINGS

FHDC 70-120



MODEL	A	B	C	D	E	F	G	H	I
FHDC-70	1,695	1,562	281.5	1,132	650	470	118	389	73
FHDC-90									
FHDC-100	1,820	1,687	344	1,132	670	575	164	494	132
FHDC-120									

FHDC 150



PHYSICAL DATA & ELECTRICAL DATA

Fan Coil Unit Model		FHDC	80A	90A	100A	120A	150A
Nominal Cooling Capacity		BTU/Hr	80,000	90,000	100,000	120,000	150,000
		Type	Ducted Type				
Air Flow Rated at High Speed		CFM	2,667	3,000	3,333	4,000	5,000
External Static Pressure		Pa	150				
Blower Set	Blower	Type	Multi Blade Centrifugal Fan : Direct Drive				
	Blower Quantity	Pcs.	2				4
	Motor Quantity	Pcs.	1				2
	Power Supply	V/Ph/Hz	220/1/50				
	Rated Current	Amp.	5.09	4.72	5.09	4.72	5.09 (x2)
Evaporator Coil		Type	Louver Aluminium Fin with Inner Grooved Copper Tube				
Pipe Connection	Suction	Inch (OD)	1-1/8		1-3/8		
	Liquid	Inch (OD)	5/8				
	Drain	Inch (OD)	3/4				
Expansion Device		Type	Thermostatic Expansion Valve (TXV.)				
Control		Type	Option				
Air Filter		Type	Nylon Filter				
Dimension	Width	mm.	1,695		1,820		1,930
	Depth	mm.	650		670		670
	Height	mm.	470		575		630
Weight		kgs.	78	82	100	105	137

* Based on 80 °F and 67 °F Wb Air Entering Coil. 95 °F and 75 °F Wb Ambient Temp.

Option : Free blow supply air grille



DESCRIPTION

- FHDC ducted fan coil unit are suitable for ceiling duct mounted
- Draw Thru type with return air plenum
- Direct expansion

TECHNICAL SPECIFICATION

The unit with plenum is fabricated from electro-zinc coated steel sheet. The cabinet is finished in white powder coating for protection against rust. The exterior panels are insulated with 10 mm. thick polyethylene foam. The insulation is affixed to the casing with the water proof adhesive.

DX COIL

The coil consists of full face coil with counterflow circuits, seamless staggered copper tubes mechanically bonded into aluminium fins. Each coil is degreased internally and externally, brazed in nitrogen atmosphere, leak tested at 350 psig and completely dehydrated before assembly

BLOWER

The blower is the double inlet, forward curved centrifugal type and statically and dynamically balanced.

MOTOR

3 - Speed - Direct drive

FILTERS

Air filters are nylon filter type.

CONDENSATION REMOVAL

Drip pan with water - repellent type insulation to ensure positive removal of all condensation and prevent condensation on the underside of the drip pan. The unit shall have double drain tray with separate drain connection.

 <p>ISO 9001 ISO 14001 TIS 18001 ISO 45001</p>	 <p>ISO/IEC 17025</p>	 <p>NSC-TIS-TIS 17025 TESTING 0599</p>	 <p>THAILAND TRUSTED QUALITY</p>	UNI-AIRE CORPORATION CO., LTD.
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