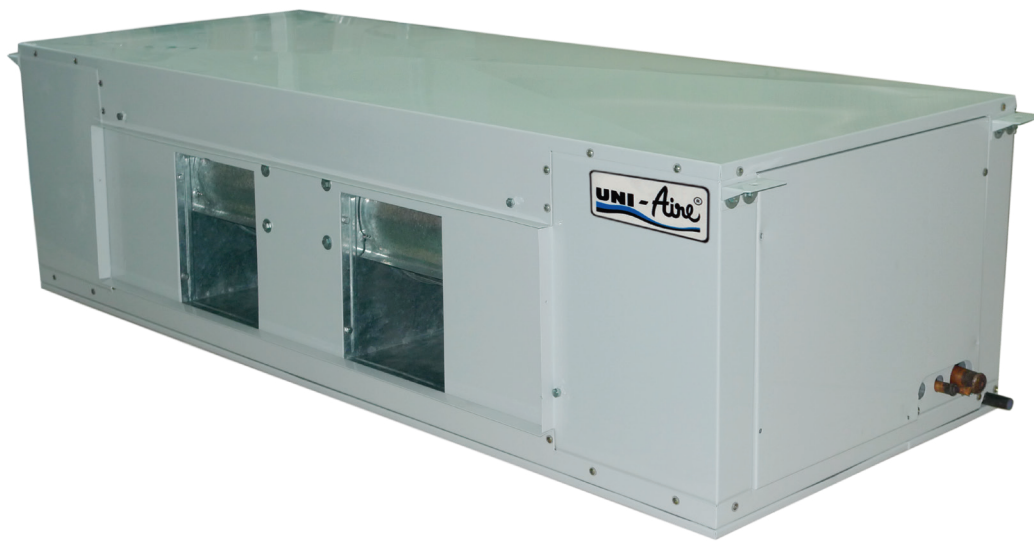


# MODEL FHDC

**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 maintainance.
  - Casing opens from left, right, and bottom of the unit
  - Drain pan,blower set, and evaporator coill 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**

## PHYSICAL DATA & ELECTRICAL DATA

MODEL FAN COIL UNIT FHDC		70	90	100	120	150
NOMINAL COOLING CAPACITY*	BTUH	80,000	90,000	100,000	120,000	150,000
	kW	23.45	26.38	29.31	35.17	43.96
AIR FLOW RATED AT HIGH SPEED	CFM	2,667	3,000	3,333	4,000	5,000
	CMH	4,531	5,097	5,663	6,796	8,495
	L/s	1,259	1,416	1,573	1,888	2,360
FAN COIL UNIT	Type	DUCTED TYPE				
EVAPORATOR BLOWER	Type	MULTI BLADE CENTRIFUGAL FAN				
	Quantity	2	2	2	2	4
	ESP (Pa)	150				
	Quantity	1				2
	Output Watt	680	800	680	800	680
	Amp	5.09	4.72	5.09	4.72	5.09
	Volt/Phase/Hz	220/1/50				
COIL	Type	ALUMINIUM LOUVER FIN WITH INNER GROOVE COPPER TUBE				
THERMOSTAT	Type	OPTIONAL				
AIR FILTER	Type	NYLON FILTER				
CONNECTION	Suction (In. OD)	1-1/8	1-1/8	1-3/8	1-3/8	1-3/8
	Liquid (In. OD)	5/8	5/8	5/8	5/8	7/8
	Drain (In. OD)	3/4				
DIMENSION	Width (mm)	1695		1820		1930
	Depth (mm)	650		670		670
	Height (mm)	470		575		630
WEIGHT	kgs.	78	82	100	105	137

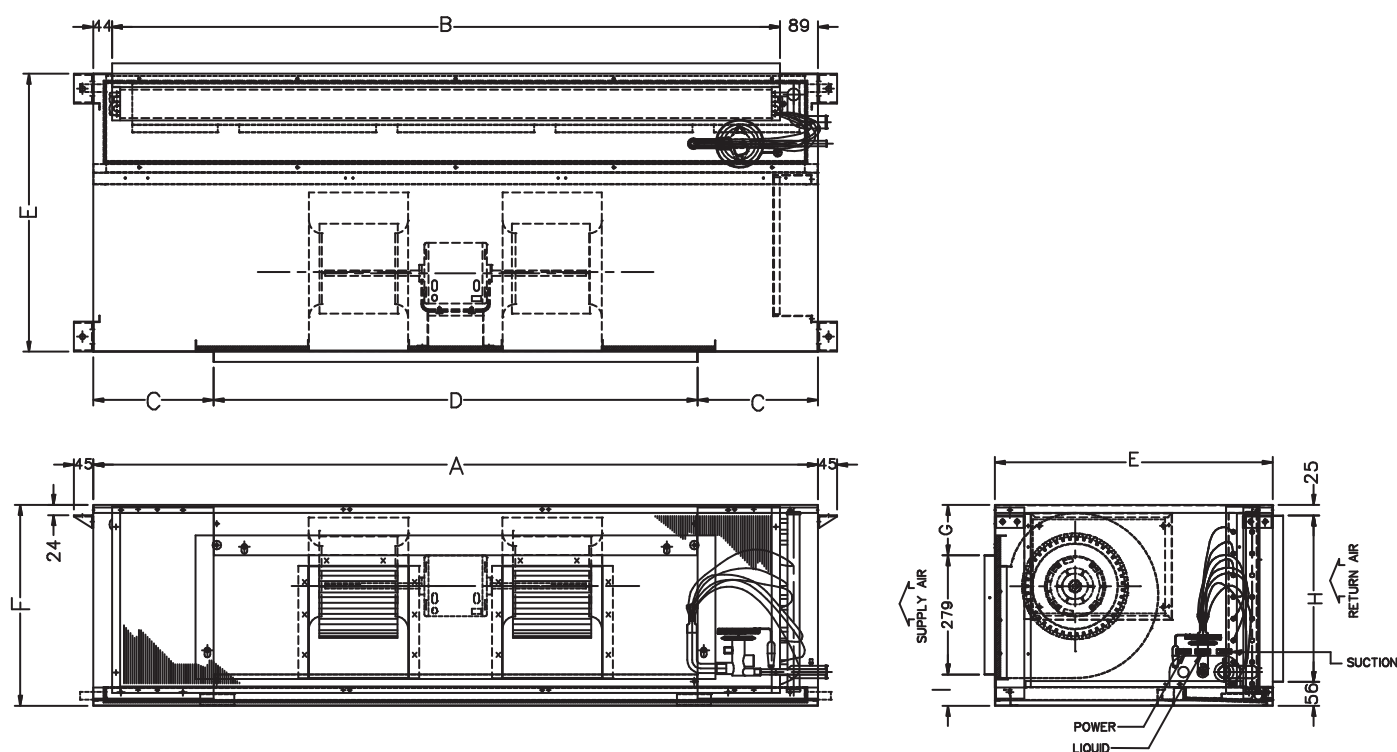
\* Based on 80 F and 67 F Wb Air Entering Coil. 95 F and 75 F Wb Ambient Temp.

Option : Free blow supply air grille



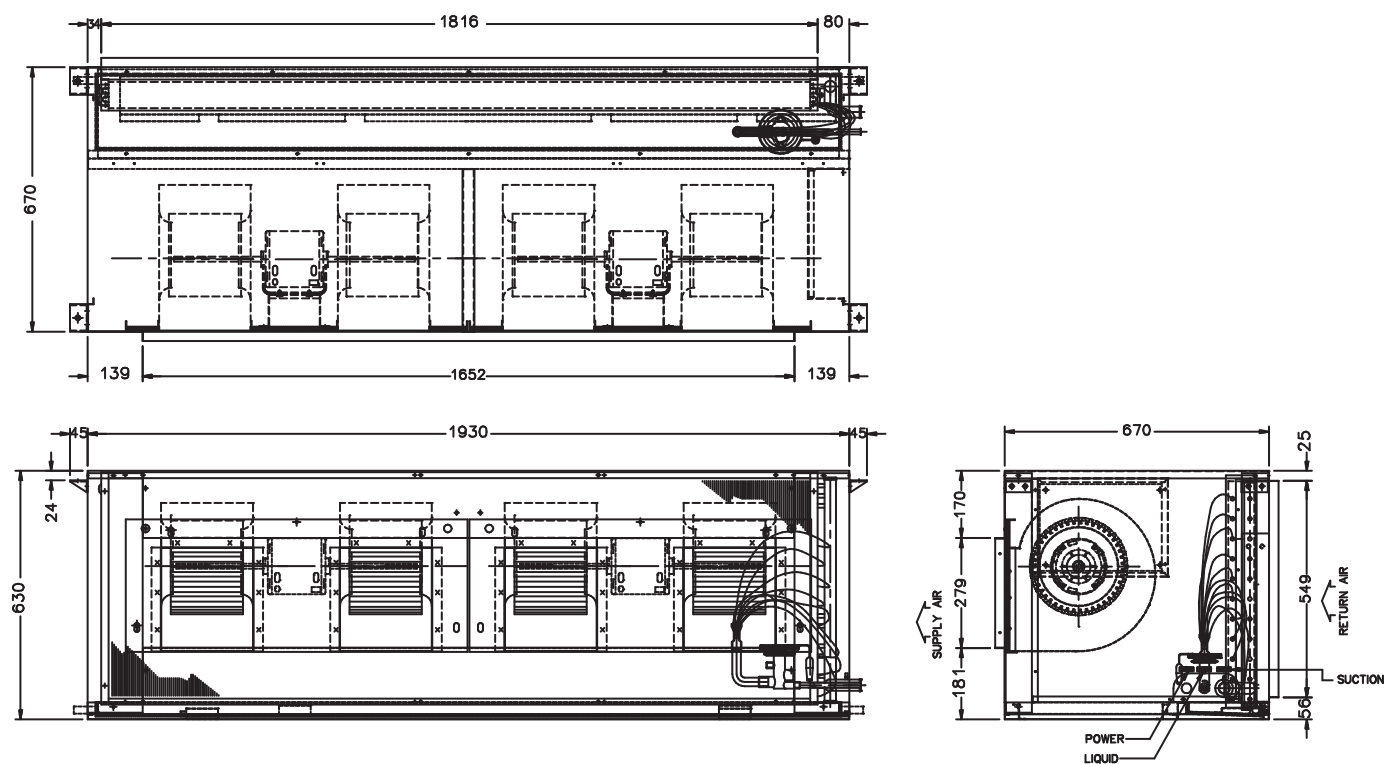
DIMENSIONAL DRAWINGS

FHDC 70-120



FHDC-70	1695	1562	281.5	1132	650	470	118	389	73
FHDC-90					670	575	164	494	132
FHDC-100	1820	1687	344	1132	670	575	164	494	132
FHDC-120					670	575	164	494	132
MODEL	A	B	C	D	E	F	G	H	I

FHDC 150



# 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.



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