

MODEL FHDC-RA

**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)
(R-410A)**



FEATURES

- Easy to maintenance.
- Be able to open casing from left side, right side and bottom of the unit. Then, easily pull out drain-pan, blower set and evaporator coil from bottom to maintenance.
- Modern SLIM design, unit height is
 - 470 mm for model 70-90
 - 575 mm for model 100-120
 - 630 for model 150.
- 150 Pa External static pressure with direct drive motor (3-speed taped)
- Durable construction.
- Supplied with air filters.



Air Conditioning Experts

UN-140114

PHYSICAL DATA & ELECTRICAL DATA

MODEL FAN COIL UNIT FHDC		70RA	90RA	100RA	120RA	150RA	
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					
	MOTOR 3 SPEED	Quantity	1				2
		Output Watt	680	800	680	800	680
	POWER SUPPLY	Amp	5.09	4.72	5.09	4.72	5.09
COIL	Volt/Phase/Hz	220/1/50					
	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	1-5/8	
	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	

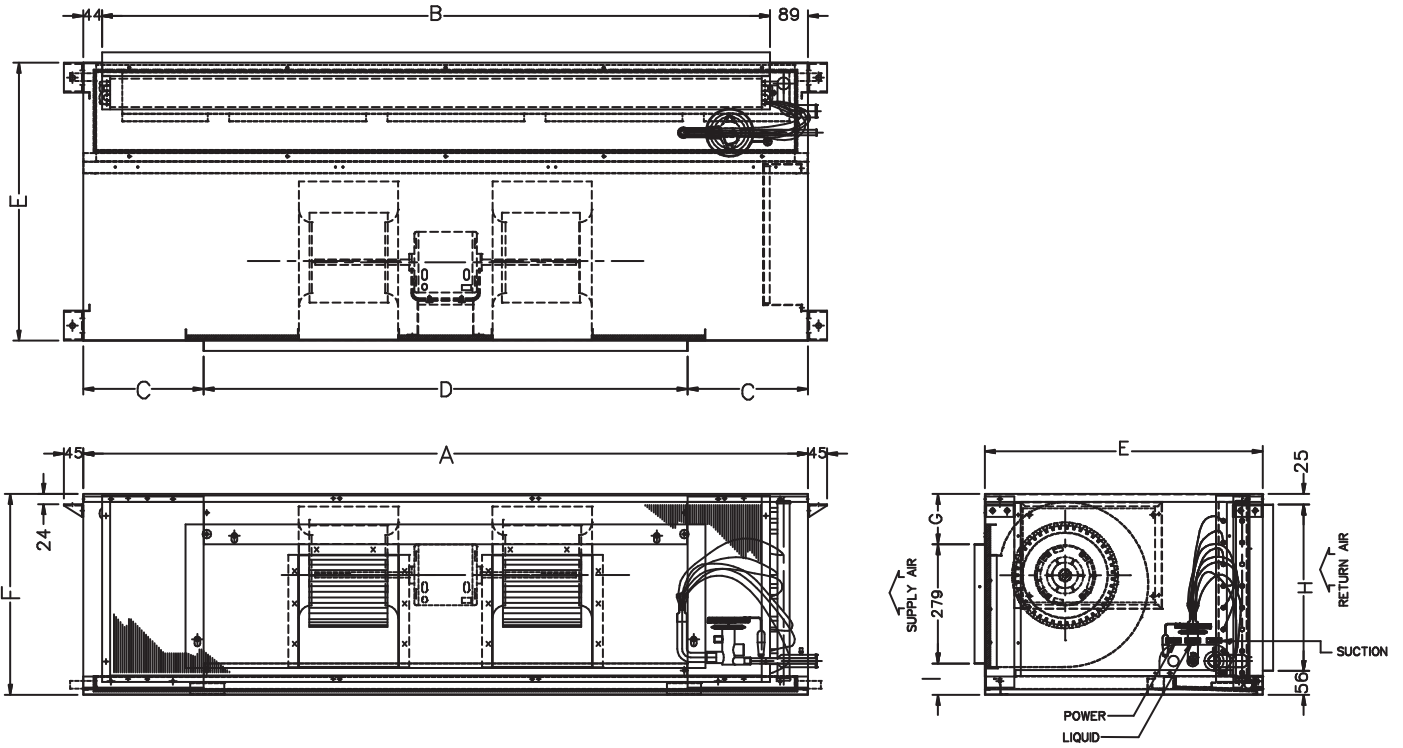
* Based on 80 F and 67 F Wb Air Entering Coil. 95 F and 75 F Wb Ambient Temp.

Option : Free blow supply air grille



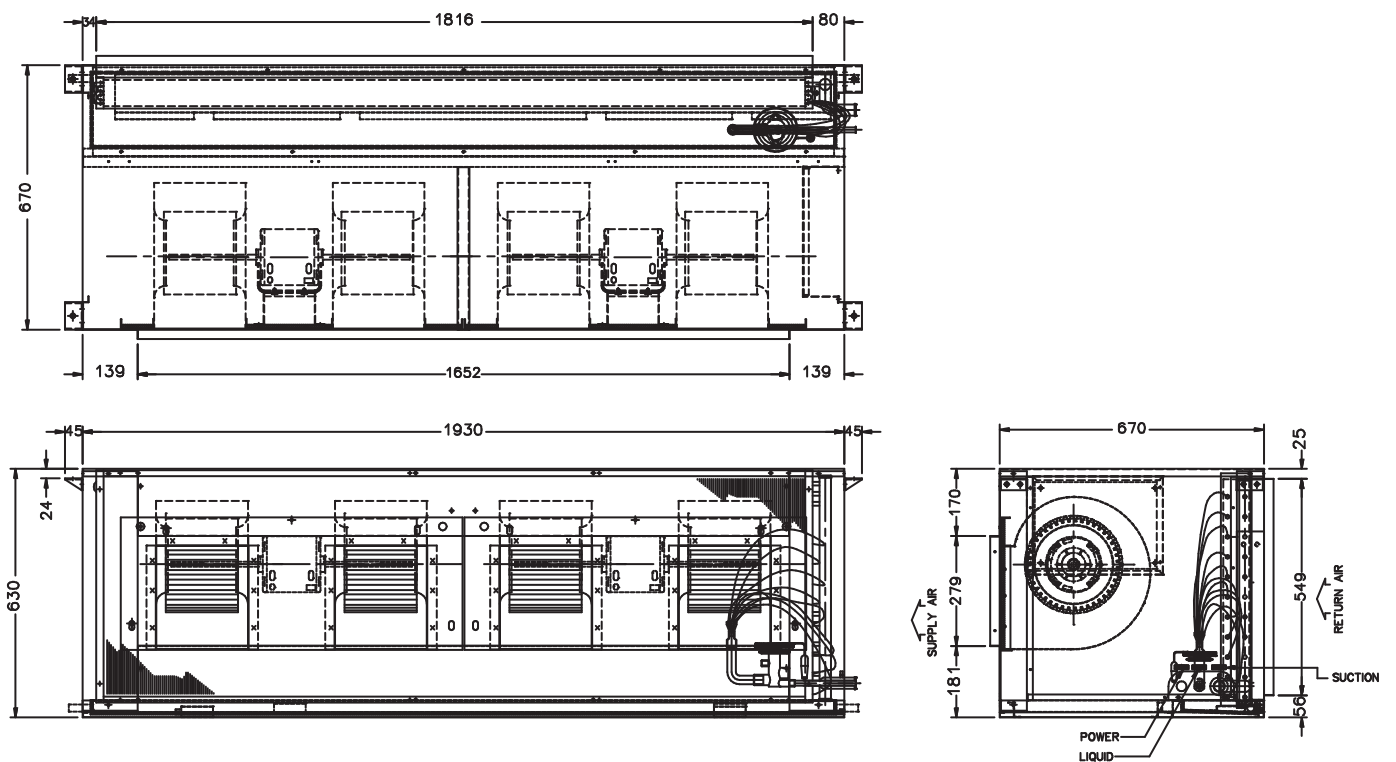
DIMENSIONAL DRAWINGS

FHDC 70RA-120RA



FHDC-70RA	1695	1562	281.5	1132	650	470	118	389	73
FHDC-90RA									
FHDC-100RA	1280	1687	344		670	575	164	949	132
FHDC-120RA									
MODEL	A	B	C	D	E	F	G	H	I

FHDC 150RA



DESCRIPTION :

- The FHDC-RA ducted fan coil unit are suitable for ceiling ducted 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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