

DUCTED FAN COIL UNIT

MODEL: CCHHS-(DX / CW)

CAPACITY: 1.0 to 5.0 Tons

20,000 to 150,000 BtuH

5.9 to 44.0 KW

EXTERNAL STATIC PRESSURE: 150 PA



Features/Benefits

Concealed ceiling units are built into the false ceiling, leaving only the suction and discharge grilles visible. Because of this the grilles can be placed wherever you want and blend with any interior decor. The grilles allow uniform temperature distribution in large or heavily partitioned areas. Not only are concealed ceiling units visually unobtrusive, they are also among the quietest types of air conditioning.

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 Polyethylene Foam. The insulation is affixed to the casing with the water proof adhesive.

DX COIL AND HYDRONIC COIL

The coil consists of full face coil with counterflow circuits, seamless 3/8 inch staggered copper tubes mechanically bonded into aluminium fins with a maximum of 12 fins per inch. 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.

FILTERS

Air filters are cleanable 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.

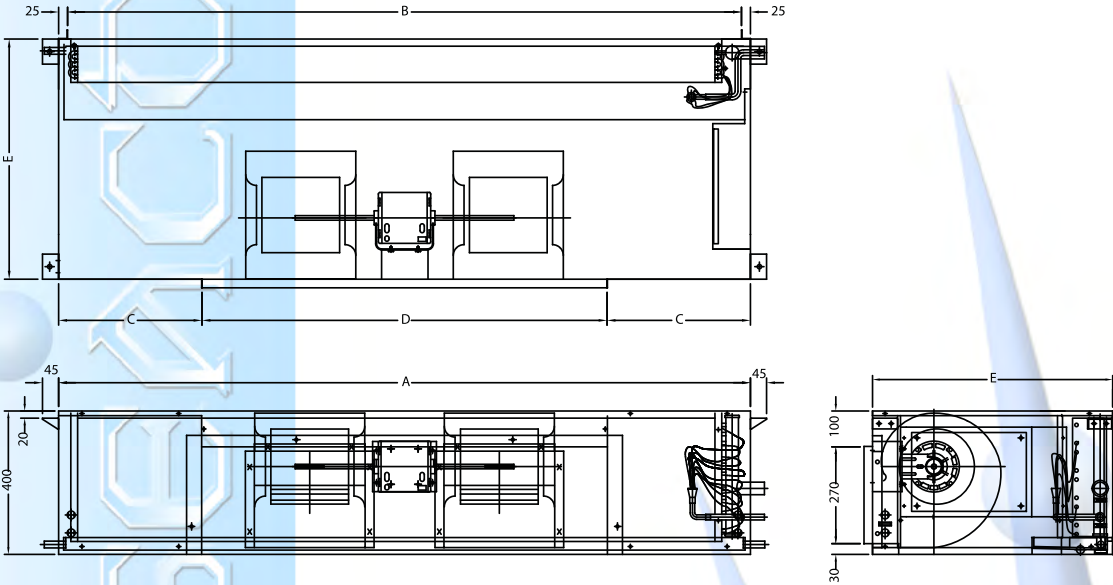
PERFORMANCE DATA

INDOOR UNIT												
MODEL: CCHHS		20	30	36	50	60	70	90	120	150		
Nominal Capacity	BTUH	20,200	31,400	37,200	50,500	61,700	73,900	90,300	126,400	150,000		
	Tons	1.7	2.6	3.1	4.2	5.1	6.2	7.5	10.5	12.5		
	WATT	5,900	9,200	10,900	14,800	18,100	21,700	26,500	37,000	43,960		
Evaporator Blower												
Type	Multi Blade Centrifugal Blower											
Quantity	1			2				4				
Wheel Dia. x Width	Inch.	9 x 7			9 x 9		9 x 7		9 x 9		9 x 7	
Air Flow Rate	CFM	650	1,000	1,200	1,700	2,000	2,500	3,000	4,000	5,000		
	CMH	1,102	1,695	2,034	2,881	3,390	4,237	5,085	6,780	8,500		
Motor 3 Speed												
Quantity	1			2				4				
Rated Power Input	WATT	246	316			680	800		680 x 2	800 x 2		
Rated Current	Amp.	1.67	2.25			5.09	4.72		5.09 x 2	4.72 x 2		
Power Supply	V / P / Hz	220 / 1 / 50 / 60										
Coil												
Type	Aluminium Louver Slit Fin With Innergroove Copper Tube											
Static Pressure	Pa	150										
Air Filter	Synthetic Filter											
Insulation	10 mm Rubber For Casing / 5 mm Polyethylene For Drain Pan											
Connection												
DX	Suction	5/8	3/4			1-1/8		1-3/8		1-5/8		
	Liquid	3/8			1/2		5/8		7/8			
Chilled Water	In and Out	3/4			1							
Dimension												
Width	mm.	920			1160			1930				
Height	mm.	650						670				
Depth	mm.	400							580			

NOTE: Capacity Are Base On 27 °C DB, 19 °C WB Air Entering
35 °C Ambient Temp., 7 °C Suction Temp..

SPECIFICATIONS AND DESIGN ARE SUBJECT TO CHANGE WITHOUT PRIOR NOTICE.

CCHHS-(DX / CW)-020-090



CCHHS (DX / CW)	DIMENSION (mm)						
	020	030	036	050	060	070	090
A	920		1160			1930	
B	870		1110			1880	
C	133					400	
D	654		894			1130	
E	650					670	

CCHHS-(DX / CW)-120-150

