



# COLD POINT

AIR CONDITIONING/ HEAT PUMP

SERIES

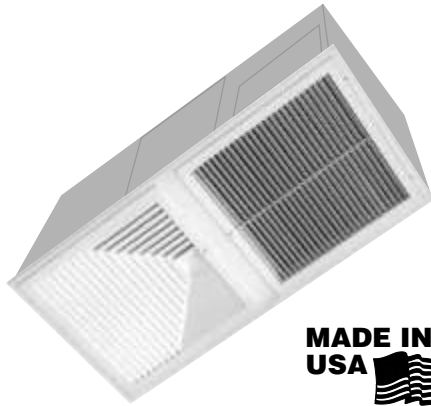
# ETH

**NOMINAL CAPACITY:**

**2' X 4' In Ceiling DX Fan Coil Unit for Zone Cooling/ Heating New Construction, Renovation or Replacement of Enviromaster (EMI) 'TBH' Series**

9,000, 12,000, 18,000  
24,000 BTU/h

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### Description:

The *Cold Point 'ETH' Series* DX Fan Coil units are designed for **drop ceiling 'T' bar** applications for **zone** cooling and heating (optional). The 'ETH' is an ideal choice for **new construction or renovation** and also directly **replaces *Enviromaster, (EMI), 'TBH' Series***. When matched with Cold Point, or any major brand condensing unit or heat pump, these efficient units offer cost effective, un-obtrusive, **ductless** delivery of **cooling and optional heating** to any space with a drop ceiling. The ETH fan coil unit comes complete and ready to install and is sized to fit a **standard 2' X 4' ceiling tile**. Supply and return air is delivered through an attractive, high quality, **aluminum grille** which features: **flush to ceiling mounting, 3-way** delivery of **supply air, hinged return air grille**, and **throwaway air filter**. These units are **cooling and heat pump** compatible. The drain pan is made of **high temperature nylon** with **dual drain** connections. **Electric or hydronic heat** and a quiet, 'high lift', **condensate pump** are available options adding to this unit's versatility and utility. A conventional, low voltage **wall thermostat** controls unit operation.

### Application & Benefits:

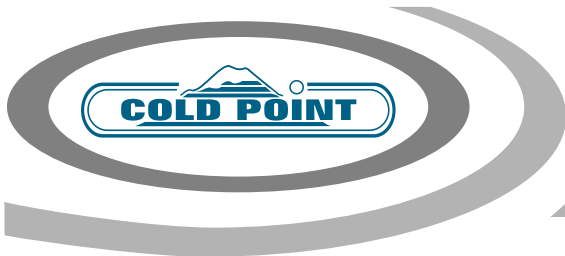
The *ETH* fan coil unit is the solution for zone cooling and optional heating in drop ceiling applications such as **offices, conference rooms, classrooms, lobbies**, etc. When used as a **replacement for *EMI 'TBH'*** units **sound levels are reduced** and **existing hangers** line right up for a quick and easy replacement. The installed unit is virtually **out of sight** and **unobtrusive** which opens up many **room design** possibilities. The **standard fresh air** knockouts offer the added benefit of fresh air delivery to the room through one unit. Because of its design the unit can be **placed anywhere** in the ceiling providing for **optimum comfort** and room **design flexibility**. The standard size, 20" X 20" air filter is changed through the hinged return air grill for easy maintenance. The high temperature nylon drain pan is **rust free** and includes a secondary drain connection for added **peace of mind** in overhead applications. The optional **nichrome electric heat element** or **hydronic heat coil** offers a heating option **for cooling applications** or **supplemental heat for heat pumps**. Whether a **new installation** or a **replacement**, *Cold Point 'ETH'* is the solution the **competition can't match!**

### Options/Accessories:

- Condensate Pump
- Aux. Hot Water Heat
- Special Ceiling Grilles
- Electric Heat
- Wall Thermostat

### Standard Features

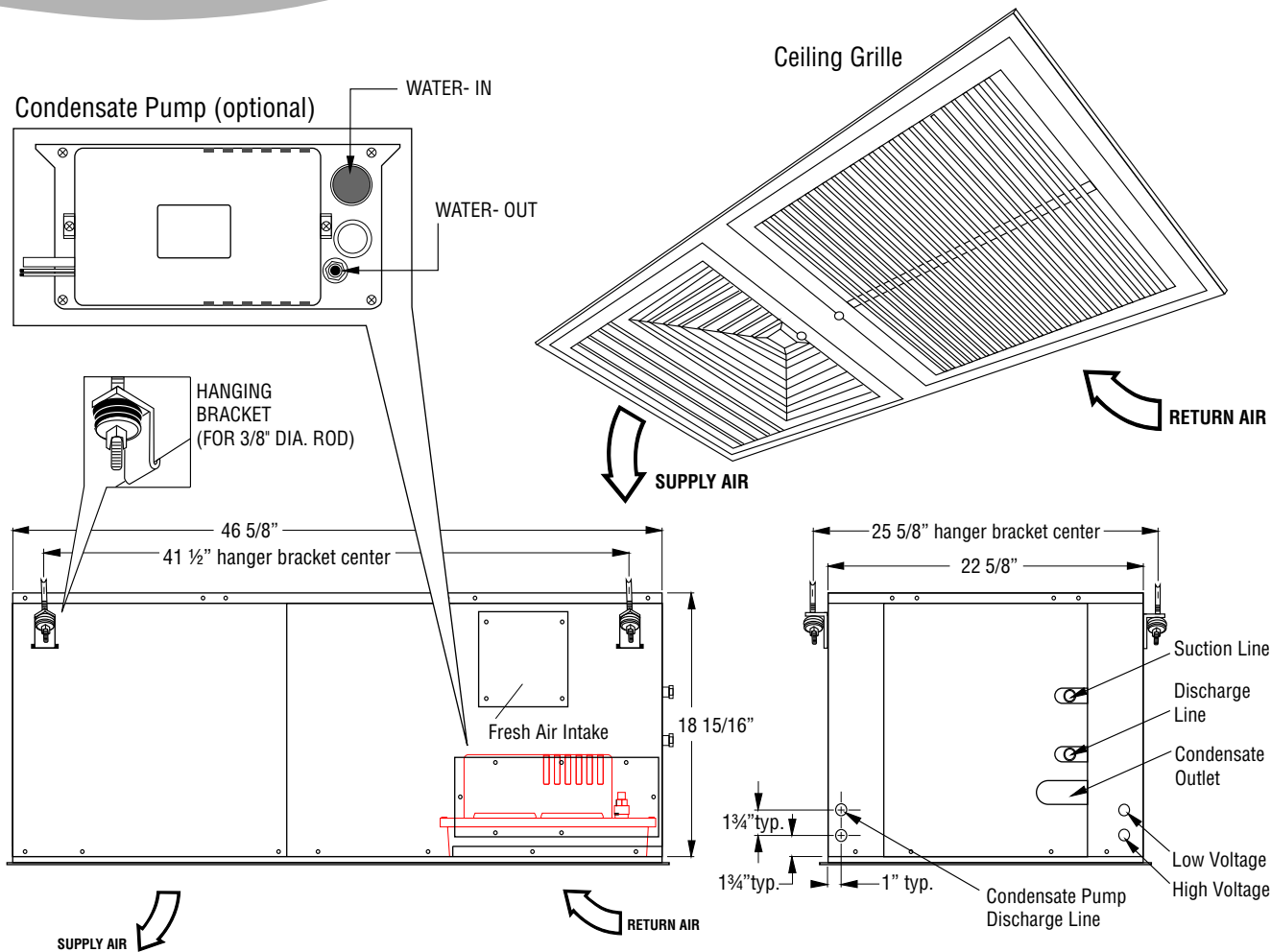
- 1) Made in USA
- 2) Perfect fit in a 2' X 4' drop ceiling
- 3) UL components and construction
- 4) 3-way aluminum supply air grill with integral hinged return grill
- 5) Hanger brackets and resilient mounts included
- 6) Standard 4" fresh air intake knock-outs
- 7) Hinged return air grill for easy filter maintenance access
- 8) 20" X 20" X 1" disposable air filter
- 9) Heat pump compatible flowrate expansion
- 10) Fully insulated evaporator compartment
- 11) Long life, heavy gauge G-90 steel cabinet
- 12) High efficiency fan & PSC motors
- 13) Enhanced high efficiency heat exchanger
- 14) Hi Temp nylon drain pan w/dual drain connections
- 15) Low profile grill, fits nearly flush to ceiling



# ETH Dimensions and Specifications

**Note:** Due to Cold Point Corporation's ongoing quality & product development programs, design and specifications may change. Always consult factory to verify the information provided here.

## DIMENSIONAL DETAIL 'ETH'



### ETH Piping Specifications & Shipping Weight

Model No.	Line Sizes (Sweat)		Shipping Weight
	Liquid	Suction	
09,12	1/4"	1/2"	160
18,24	3/8"	3/4"	165

### ETH Electric Heat Capacity & Specifications

Model	Voltage	KW	BTU/h <sup>1</sup>	Htr. Amps	Total Amps.	Min. Cir Amps.	Max. Fuse
09,12	208/230	2.45/3.0	8560/10440	11.8/13.0	12.2/13.4	15.2/16.7	20
18,24	208/230	4.9/6.0	17120/20880	23.6/26.0	24.4/26.8	31.3/34.3	35

(1) Heating BTU/h includes fan motor heat

### ETH Electrical Specifications

Model No.	Voltage/Hertz/Phase	Fan HP	Fan FLA	Min. (2) Circuit Amps.	Max. (2) HACR Brkr.
09,12	208-230/60/1	.08	.40	15	15
18,24	208-230/60/1	2 X .08	.80	15	15

(2) If electric heaters are installed, use ampacity rating & max fuse from electric heat capacity & specifications chart

### Supply Air & Fresh Air CFM

Model No.	H.S. CFM	Fresh Air	
		CFM / Duct*	Approx. Duct Velocity
09,12	350	35	400 FPM
18,24	700	52	600 FPM

(\*) 4" Diameter Duct

Model No.	Chassis Weight (lbs)
07	Consult Factory
09	100
12	100
15	Consult Factory

06-06