

FREE STANDING COIL



SPECIFICATION DATA

PERFORMANCE DATA

BTU/HR: _____ total/ _____ Sensible: _____

Air Flow: _____ SCFM _____

Face Velocity: _____ FPM _____

Maximum Air Pressure Drop: _____ inches W.G. _____

Entering Air Temp: _____ °F DB/ _____ °F WB

Leaving Air Temp: _____ °F DB/ _____ °F WB

Additional information for DX & CONDENSER Coils:

Refrigerant Type: _____

Max. Refrigerant Pressure Drop: _____ PSIG

Suction Temp: _____ °F

Condensing Temp: _____ °F

Liquid Temp: _____ °F

Additional information for HEAT RECLAIM Coils:

Refrigerant Type: _____

Suction Temp: _____ °F

Heat recuperation capacity: _____ BTU/HR

Total system capacity: _____ BTU/HR

Additional information for WATER Coils:

GPM: _____

Fluid: _____ Concentration: _____ %

Entering fluid temp: _____ °F

Leaving fluid temp: _____ °F

Maximum pressure drop: _____ Inches of water

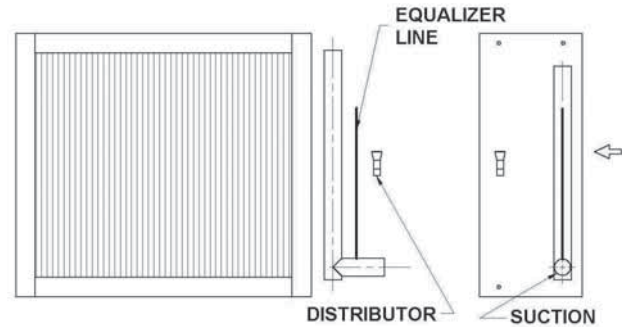
Additional information for STEAM & NON FREEZE STEAM DISTRIBUTING Coils:

Steam Pressure: _____ PSIG

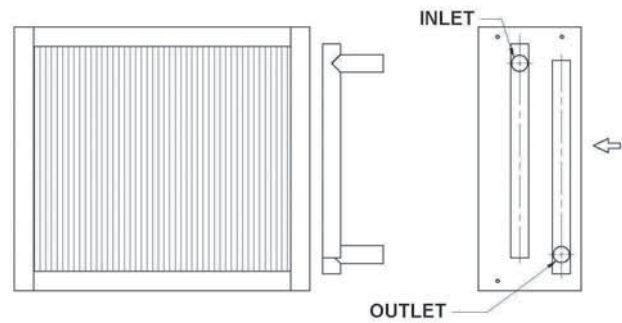
Steam Temperature: _____ °F

Condensate: _____ LB/HR

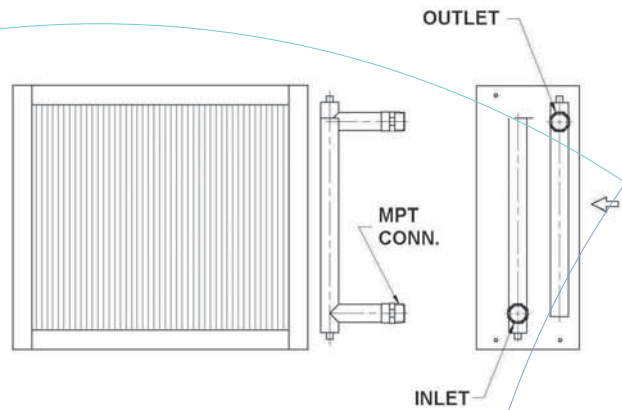
DIRECT EXPANSION EVAPORATOR



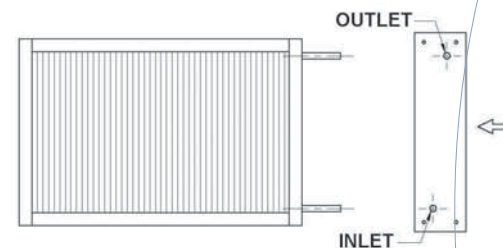
CONDENSER & HEAT RECLAIM



CHILLED & HOT WATER



WATER BOOSTER



DIMENSIONAL DATA

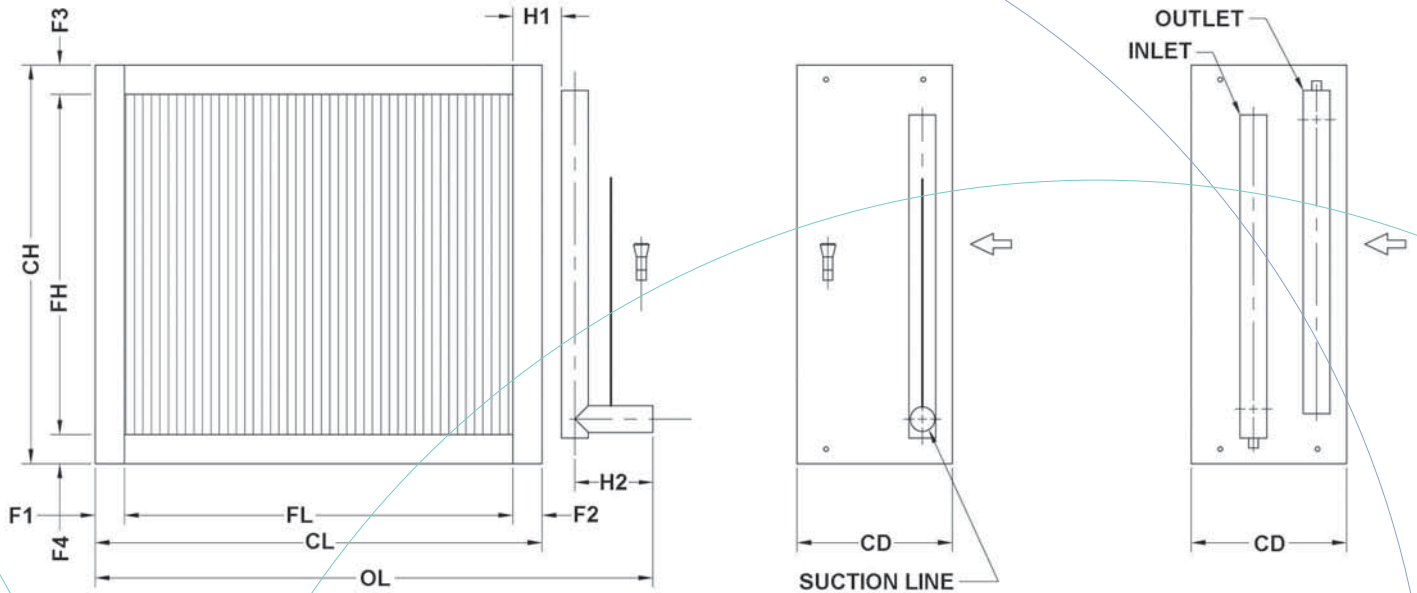
Fin: Fin Height (FH): _____
 Fin Length (FL): _____
 Rows deep: _____
 Pattern: _____
 Fin per Inch: _____
 No. Of Circuits: _____

Casing: Flange Width (F1): _____ (F2): _____
 (F3): _____ (F4): _____
 Height (CH): _____
 Length (CL): _____
 Depth (CD): _____
 Overall (OL): _____

Headers: Size Inlet: _____ Outlet: _____
 Sweat MPT FPT
 (H1): _____ (H2): _____
 Coil Hand: Right (Standard) Left

Distributor: Distributor model: _____
 Nozzle No: _____

PHYSICAL DATA



FIN PARTTERN		NUMBER OF ROW DEEP / DIM "CD"						
PATTERN	DIA	1	2 - 3	4 - 5	6 - 7	8 - 9	10 - 11	12
C	3/8	3	5	6	8	9	11	12
D	3/8	4	6	8	10	12	14	16
E	1/2							
G	5/8	4	7	9	12	14	17	18

COIL NOMENCLATURE

W A E W - 22 - 4 - 10 - 48

FINNED LENGTH (INCHES)

NUMBER OF FINS PER INCH (FROM 4 TO 16)

NUMBER OF ROWS

NUMBER OF FACE TUBES

TYPE OF FIN: F: Flat; W: Waved

FIN DESIGNATION: C: 3/8 O.D. 1 X 0,75; D: 3/8 O.D. 1,25 X 1,083; E: 1/2 O.D. 1,25 X 1,083; G: 5/8 O.D. 1,5 X 1,299

FIN MATERIAL: A: Aluminum; C: Copper; E: Heresite Air Dry; H: Heresite Baked; P: Polyester coated aluminum

APPLICATION: B: Hot water booster coil; C: Condenser; E: Evaporator (DX); G: Gravity; H: Heat reclaim;
N: Non freeze steam distributing; S: Steam coil; W: Water (Cooling & Heating)

Features

Refrigeration Kool-Air is dedicated to excellence in providing you with the finest finned tube heat exchanger available. Our commitment to product quality and customer service will assure you that we can meet your needs.

Tubes

Smooth seamless copper tubes are expanded into full length fin collars to form a tight mechanical bond. Riffle tubes are available on pattern "C" and "D".

Fins

Aluminum, die formed plate type fins are waved or flat. Optional fin materials include copper and polyester-coated aluminum. Fin spacing range from 4 to 16 fins per inch.

Header

Heavy wall seamless copper tubes sized to minimize pressure drop. Water coils are provided with (MPT) black steel connections (other material upon request), drain and vent brass fittings.

Casing

The casing is made of galvanized steel with extruded tube sheet holes for optimum tube support. Larger coils have intermediate tube sheets for additional strength.

Brazing

All joints are brazed with high temperature copper based alloy.

Coil coating

Phenolic or Epoxy dipped and baked are optional for corrosive atmosphere.

Testing

All coils are tested with 400 PSIG of air (-40°F dew point) under water.



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Due to Kool-Air policies to continuously improve the quality of its products, specifications are subject to change without notice