

TYPE WH & WBH

HOT WATER COILS

MAIN FEATURES

FINS

New design for uniform air turbulence over fin surface assuring higher heat transfer performance. Fins are aluminum plate type, 6, 9 or 12 fins per inch, mechanically bonded to tubes; available in 1 and 2 rows. Optional: Copper fins.

TUBES

Copper, 5/8" O.D. staggered from row to row for optimum air turbulence over fins and around tubes where heat transfer is at its maximum. Tubes are brazed to headers and silver soldered to return bends. Suitable for 200 PSIG.

CASING

Ruggedly constructed of galvanized steel with reinforcing plats on longer lengths. Fastening holes provided.

SIZES

Type WH: Finned **heights** from 12" to 48" in 3" increments. Finned **lengths** from 24" to 144" in 1" increments.

Type WBH: Finned **heights** from 6" to 18" in 3" increments. Finned **lengths** from 6" to 42" in 1" increments.

HEADERS

Type WH: Male threaded steel pipes, coated with zinc chromate red oxyde for corrosion protection, plugs for air vent and drain. 2" or 2 1/2" nominal diameter. Coils are drainable.

Type WBH: Copper tube: 5/8" O.D. for single circuit and 7/8" I.D. for two circuits. Sweat connection.

CIRCUITS

Type WH: Half, full or double circuits available.

Type WBH: One or two circuits available.

CAPACITIES

Capacities are established in accordance with ARI Code No. 470-91.

GENERAL SPECIFICATIONS

CAPACITIES

One year regular manufacturer's warranty against material or manufacturing defects.

CASING

Casing shall be constructed of first quality galvanized steel.

Type WBH: Top and bottom of casing shall be 16 gauge for coils up to 84" finned length and 14 gauge for coils from 90" to 144" finned length. Casing sides shall be 16 gauge. Coils 48" and over in length shall be provided with a brace in centre of length. Fastening holes, 5/16" diameter shall be provided around frame, on 6" centres.

Type WH: All casing shall be 16 gauge. Fastening holes, 1/4" diameter shall be provided around frame, on 6" centres.

FINS

Fins shall be aluminum, or copper (optional) and shall be 6, 9 or 12 fins per inch, in 1 or 2 rows.

TUBES

Tubes shall be copper, 5/8" O.D. and 0.020 inch thick. Mechanical bond shall be insured by ball expansion process.

HEADERS

Type WH: Headers shall be steel, **pipe threaded**, and coated with zinc chromate red oxyde against corrosion. Threaded plugs for air vent and drain shall be provided. Coils shall be drainable.

Type WBH: Copper fitting for **sweat connections**.

CIRCUITS

Type WH: Shall be **half, full, double** circuit.

Type WBH: Shall be **one, two** circuits.

WELDING

Type WH: Tubes shall be brazed to headers and silver soldered to return bends.

Type WBH: All silver soldered. Coils shall be tested for 200 PSIG operation.

COIL IDENTIFICATION

Example 1: WH-2472-2R6-HC-L

WH = Water cooling coil
2472 = 24" finned height x 72 finned length
2R = 2 row coil
6 = 6 fins/inch
HC = Half circuit (FC-full, DC double)
L = Left hand supply

Example 2: WBH-918-1R12-2C-L

WBH = Hot water booster coils
918 = 9" finned height x 18" finned length
1R = 1-row coil
12 = 12 fins/inch
2C = Two circuits (1C, one circuit)
L = Left hand supply

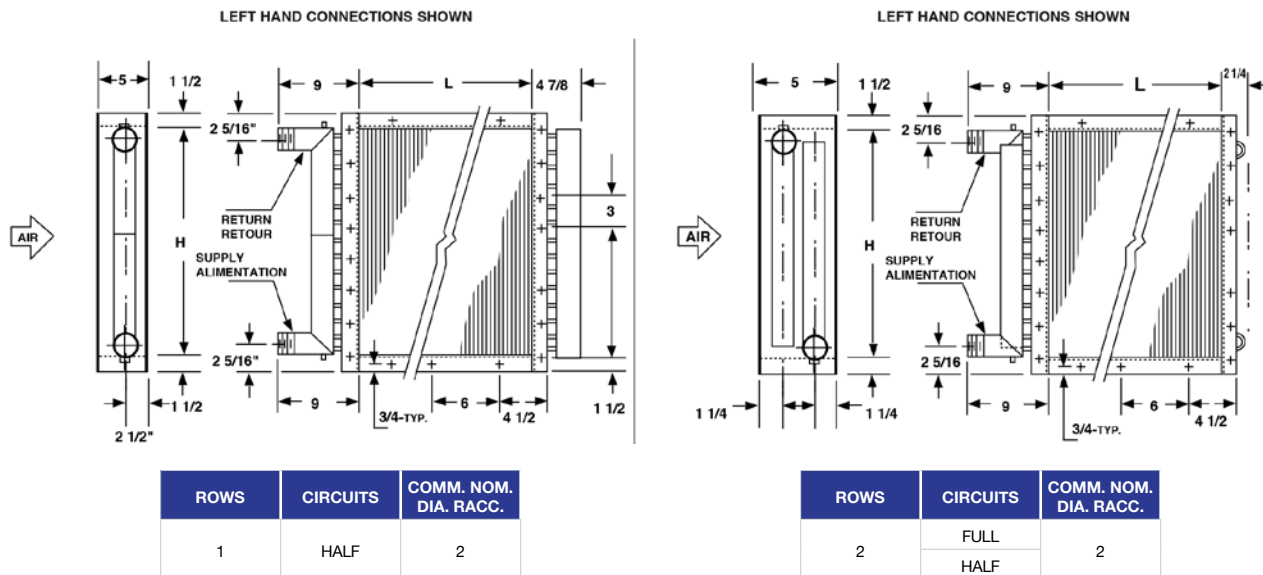
Note

L or R connections are determined by facing airstream.

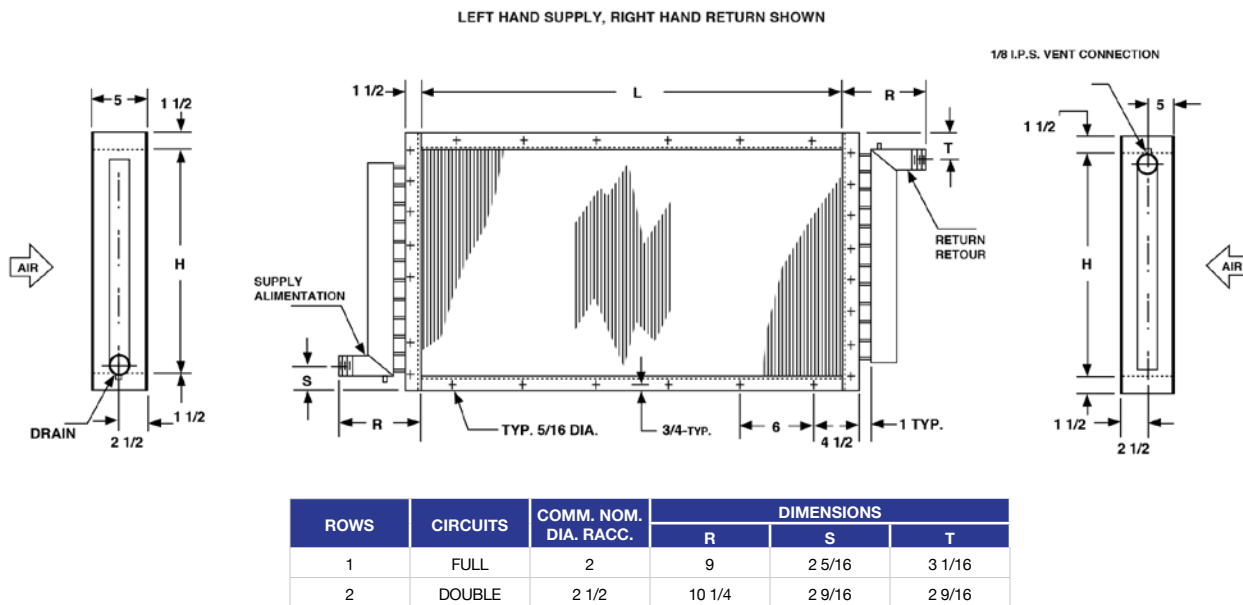
		FINNED LENGTH									
		24	30	36	42	48	54	60	66	72	78
FINNED HEIGHT	12	2.0	2.50	3.00	3.50	4.0	4.50	5.00	5.50	6.0	6.50
	15	2.5	3.13	3.75	4.38	5.0	5.63	6.25	6.88	7.5	8.12
	18	3.0	3.70	4.50	5.20	6.0	6.70	7.50	8.20	9.0	9.70
	21	3.5	4.38	5.25	6.13	7.0	7.87	8.75	9.63	10.5	11.38
	24	4.0	5.00	6.00	7.00	8.0	9.00	10.00	11.00	12.0	13.00
	27		5.63	6.75	7.87	9.0	10.13	11.25	12.38	13.5	14.63
	30		6.20	7.50	8.70	10.0	11.20	12.50	13.70	15.0	16.20
	33		6.80	8.20	9.60	10.9	12.30	13.70	15.10	16.4	17.80
	36			9.00	10.50	12.0	13.50	15.00	16.50	18.0	19.50
	39				11.37	13.0	14.62	16.25	17.87	19.5	21.12
	42				12.25	14.0	15.75	17.5	19.25	21.0	22.75

		FINNED LENGTH										
		84	90	96	102	108	114	120	126	132	138	144
FINNED HEIGHT	12	7.00	7.50	8.0	8.50	9.00	9.50	10.0	10.50	11.00	11.50	12.0
	15	8.75	9.37	10.0	10.63	11.25	11.88	12.5	13.13	13.75	14.38	15.0
	18	10.50	11.20	12.0	12.75	13.50	14.25	15.0	15.75	16.50	17.25	18.0
	21	12.25	13.13	14.0	14.88	15.75	16.63	17.5	18.38	19.25	20.13	21.0
	24	14.00	15.00	16.0	17.00	18.00	19.00	20.0	21.00	22.00	23.00	24.0
	27	15.75	16.88	18.0	19.13	20.25	21.38	22.5	23.63	24.75	25.88	27.0
	30	17.50	18.70	20.0	21.20	22.50	23.70	25.0	26.20	27.50	28.75	30.0
	33	19.20	20.60	21.9	23.30	24.70	26.10	27.4	28.80	30.20	31.62	33.0
	36	21.00	22.50	24.0	25.50	27.00	28.50	30.0	31.50	33.00	34.50	36.0
	39	22.75	24.37	26.0	27.62	29.25	30.87	32.5	34.12	35.75	37.37	39.0
	42	24.5	26.25	28.0	29.75	31.5	33.25	35.0	36.75	38.5	40.25	42.0

HEADERS SAME END



HEADERS OPPOSITE ENDS



H - STD FIN HEIGHTS

12	15	18	21	24	27	30	33	36	39	42	45	48
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L - STD FIN LENGTHS

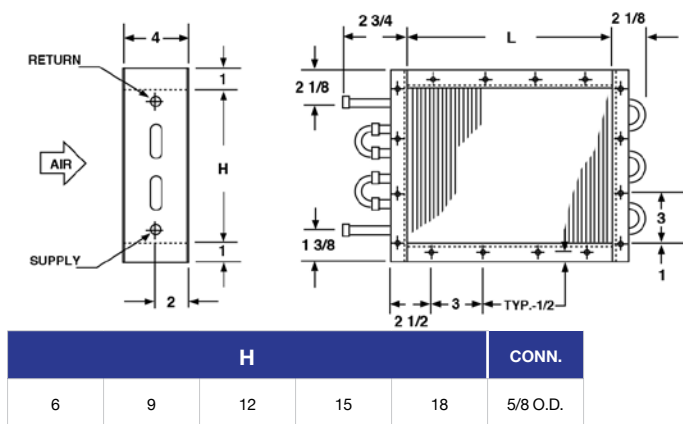
From 24" to 144" in 1" increments

TYPE WBH

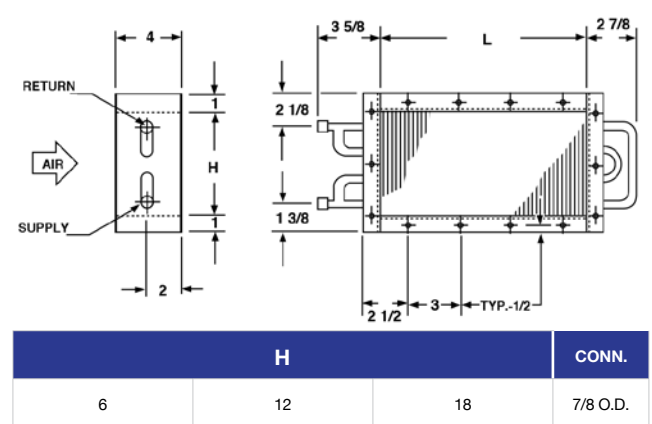
DIMENSIONS

1 ROW / 1 CIRCUIT

LEFT HAND CONNECTIONS SHOWN

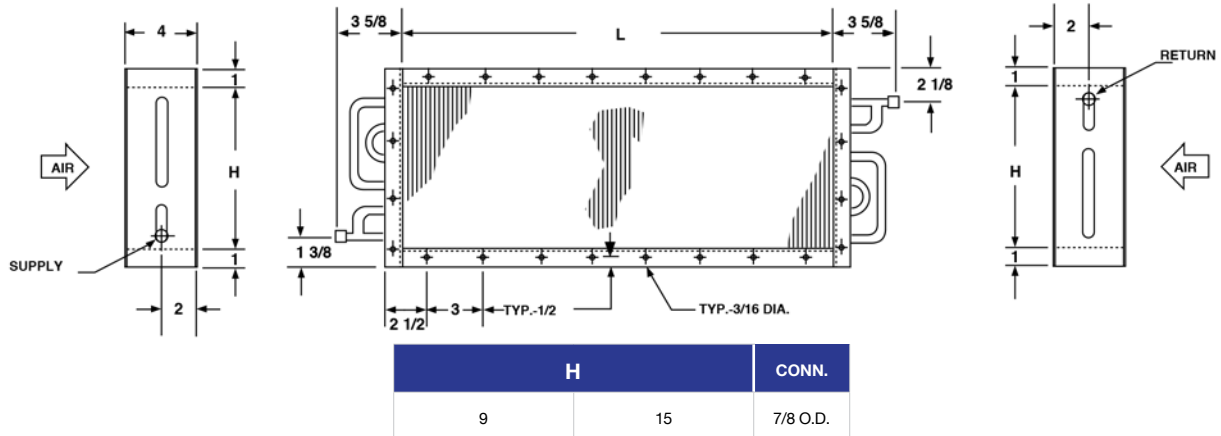


1 ROW / 2 CIRCUITS



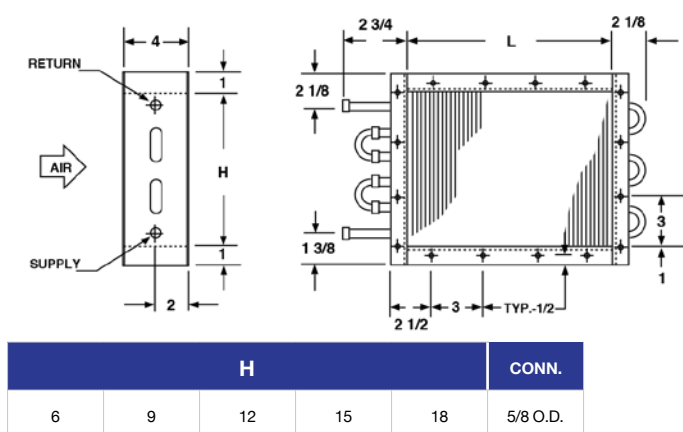
1 ROW / 2 CIRCUITS

LEFT HAND SUPPLY, RIGHT HAND RETURN SHOWN

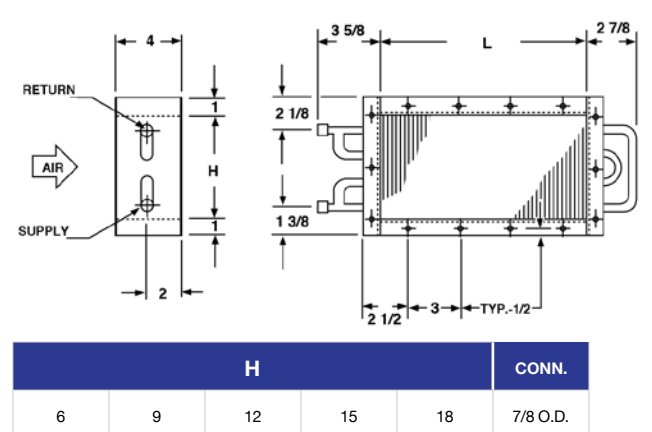


2 ROWS / 1 CIRCUIT

LEFT HAND CONNECTIONS SHOWN



2 ROWS / 2 CIRCUITS



L - STD FIN LENGTHS

From 6" to 42" in 1" increments

