



888-921-COIL (2645)
200 Morgan Street
Brownsville, TN 38012

JOB SUMMARY

Logic Diagram Exercise
USA

Selection Summary

Tag	Comment	Model	Quantity
C-1	Warm up coil	HW58S01Q09-72x96-RH	1
C-2	Reheat Coil Base Case	HW58S01B09-18x38-RH	1
C-3	Reheat Coil 180F EWT	HW58S01B09-18x38-RH	1
C-4	Reheat Coil 110F EWT	HW58S01B09-18x38-RH	1
C-5	Reheat Coil 110F EWT, design gpm	HW58S01B09-18x38-RH	1
C-6	Warm Up Coil 110F Water 50% OA 34 F EAT	HW58S01Q09-72x96-RH	1



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PRICE SUMMARY

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USA

Selection Summary

Tag	Comment	Model	Quantity	Unit price	Net price
C-1	Warm up coil	HW58S01Q09-72x96-RH	1	\$10,182	\$10,182
C-2	Reheat Coil Base Case	HW58S01B09-18x38-RH	1	\$1,466	\$1,466
C-3	Reheat Coil 180F EWT	HW58S01B09-18x38-RH	1	\$1,466	\$1,466
C-4	Reheat Coil 110F EWT	HW58S01B09-18x38-RH	1	\$1,466	\$1,466
C-5	Reheat Coil 110F EWT, design gpm	HW58S01B09-18x38-RH	1	\$1,466	\$1,466
C-6	Warm Up Coil 110F Water 50% OA 34 F EAT	HW58S01Q09-72x96-RH	1	\$10,182	\$10,182
				Total:	\$26,228
				Lead Time:	5 - 6 weeks



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SUBMITTAL DATA

Logic Diagram Exercise USA

Hot Water Coils

Tag	Qty	Model	Footnotes	Comment
C-1	1	HW58S01Q09-72x96-RH	a,b	Warm up coil
C-2	1	HW58S01B09-18x38-RH	a,b	Reheat Coil Base Case
C-3	1	HW58S01B09-18x38-RH	a,b	Reheat Coil 180F EWT
C-4	1	HW58S01B09-18x38-RH	b,c	Reheat Coil 110F EWT
C-5	1	HW58S01B09-18x38-RH	b,c	Reheat Coil 110F EWT, design gpm
C-6	1	HW58S01Q09-72x96-RH	b,c	Warm Up Coil 110F Water 50% OA 34 F EAT

Construction and Performance Details

Tag	C-1	C-2	C-3	C-4	C-5	C-6
Air flow (SCFM)	22306	1185	1185	1185	1185	22306
Altitude (ft)	0	0	0	0	0	0
Total capacity (MBH)	585.1	50.9	53.4	18.5	24.6	399.0
Entering dry bulb (°F)	62.0	53.0	53.0	53.0	53.0	34.0
Leaving dry bulb (°F)	86.2	92.7	94.6	67.4	72.1	50.5
Face velocity (ft/min)	465	249	249	249	249	465
Air pressure drop (in of water)	0.09	0.03	0.03	0.03	0.03	0.09
Air fouling factor (h-ft ² ·°F/Btu)	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Fluid	W	W	W	W	W	W
Entering fluid temp. (°F)	170.0	170.0	180.0	110.0	110.0	110.0
Leaving fluid temp. (°F)	130.0	156.5	160.0	90.0	103.6	83.0
Fluid flow rate (GPM)	29.8	7.7	5.5	1.9	7.7	29.8
Fluid velocity (ft/s)	2.71	4.20	2.98	1.02	4.20	2.71
Fluid pressure drop (ft of water)	4.4	6.1	3.1	0.4	6.6	4.7
Fluid fouling factor (h-ft ² ·°F/Btu)	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Fluid freezing temp. (°F)	32.0	32.0	32.0	32.0	32.0	32.0
Min. tube wall temp. (°F)	120.6	151.1	152.6	80.7	100.2	74.6
Coils per bank	1	1	1	1	1	1
Coil type	5/8	5/8	5/8	5/8	5/8	5/8
Fin height (in)	72.0	18.0	18.0	18.0	18.0	72.0
Fin length (in)	96.0	38.0	38.0	38.0	38.0	96.0
Face area (ft ²)	48.00	4.75	4.75	4.75	4.75	48.00
Rows	1	1	1	1	1	1
Fin spacing (fins/in)	9	9	9	9	9	9
Fin material	Al	Al	Al	Al	Al	Al
Fin type	Sine	Sine	Sine	Sine	Sine	Sine
Fin thickness (in)	0.006	0.006	0.006	0.006	0.006	0.006
Tube wall thickness (in)	0.020	0.020	0.020	0.020	0.020	0.020
Turbulators	No	No	No	No	No	No
Number of feeds	12	2	2	2	2	12
Supply conn. size (in)	1.500	0.750	0.750	0.750	0.750	1.500
Return conn. size (in)	1.500	0.750	0.750	0.750	0.750	1.500
Weight (lb)	190	32	32	32	32	190
Est. operating wt. (lb)	249	36	36	36	36	250
Est. internal volume (ft ³)	0.95	0.09	0.09	0.09	0.09	0.95



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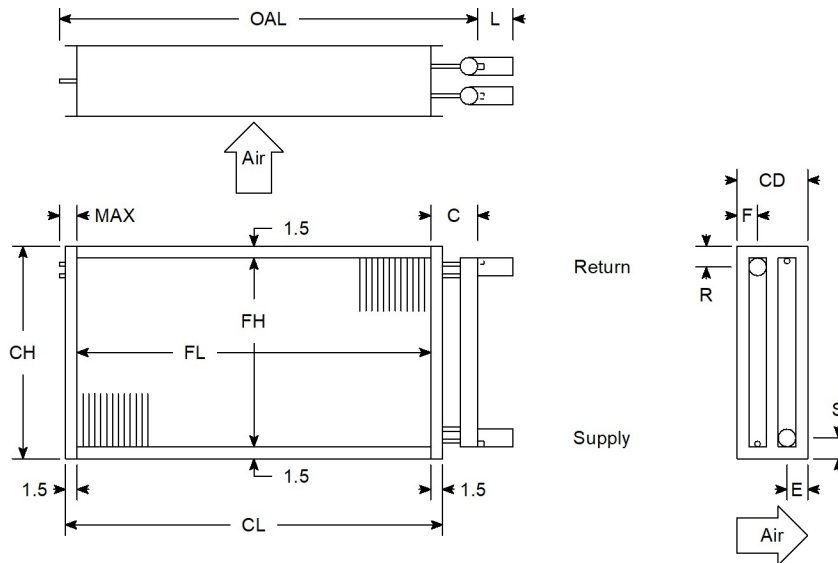
SUBMITTAL DATA

Logic Diagram Exercise
USA

Footnotes

- (a) Certified in accordance with the AHRI Forced-Circulation Air-Cooling and Air-Heating Coils Certification Program which is based on AHRI Standard-410 within the Range of Standard Rating Conditions listed in Table 1 of the Standard. Certified units may be found in the AHRI Directory at www.ahridirectory.com.
- (b) Tube OD 0.625, Tube spacing 1.500 x 1.299
- (c) Coil is outside of the scope of AHRI Standard-410.

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Drawings†


† Vent/drain diameter: 1/2", type: FPT, location: Face.

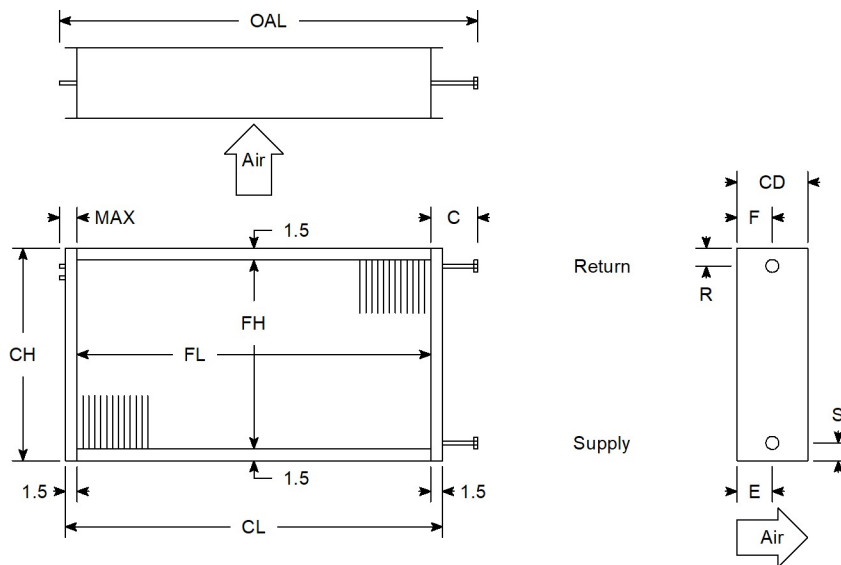
Dimensions*

Tag	C-1	C-6
Model	HW58S01Q09-72x96-RH	HW58S01Q09-72x96-RH
Weight	190	190
Fin material & type	0.006 Aluminum Sine-wave	0.006 Aluminum Sine-wave
Tube wall	0.02 / Smooth	0.02 / Smooth
Casing material / flange	16 ga. galv. steel (std) / Stacking	16 ga. galv. steel (std) / Stacking
Coating	None	None
Turbulators	No	No
Header diameter	1.625	1.625
Supply / return conn. size	1.5 / 1.5	1.5 / 1.5
Connection type	MPT Copper	MPT Copper
Number of feeds	12 (Quarter)	12 (Quarter)
FH / FL	72 / 96	72 / 96
CH / CL	75 / 99	75 / 99
OAL / CD	103 / 5	103 / 5
C	4.75	4.75
S / R	2.25 / 2.25	2.25 / 2.25
E / F	1.2 / 1.2	1.2 / 1.2
L / MAX	3.25 / 2.25	3.25 / 2.25

* All distances are measured as inches.

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Drawings



Dimensions*

Tag	C-2	C-3
Model	HW58S01B09-18x38-RH	HW58S01B09-18x38-RH
Weight	32	32
Fin material & type	0.006 Aluminum Sine-wave	0.006 Aluminum Sine-wave
Tube wall	0.02 / Smooth	0.02 / Smooth
Casing material / flange	16 ga. galv. steel (std) / Stacking	16 ga. galv. steel (std) / Stacking
Coating	None	None
Turbulators	No	No
Supply / return conn. size	0.75 / 0.75	0.75 / 0.75
Connection type	MPT Copper	MPT Copper
Number of feeds	2	2
FH / FL	18 / 38	18 / 38
CH / CL	21 / 41	21 / 41
OAL / CD	44.25 / 5	44.25 / 5
C	4	4
S / R	2.625 / 1.875	2.625 / 1.875
E / F	2.5 / 2.5	2.5 / 2.5
MAX	2.25	2.25

* All distances are measured as inches.

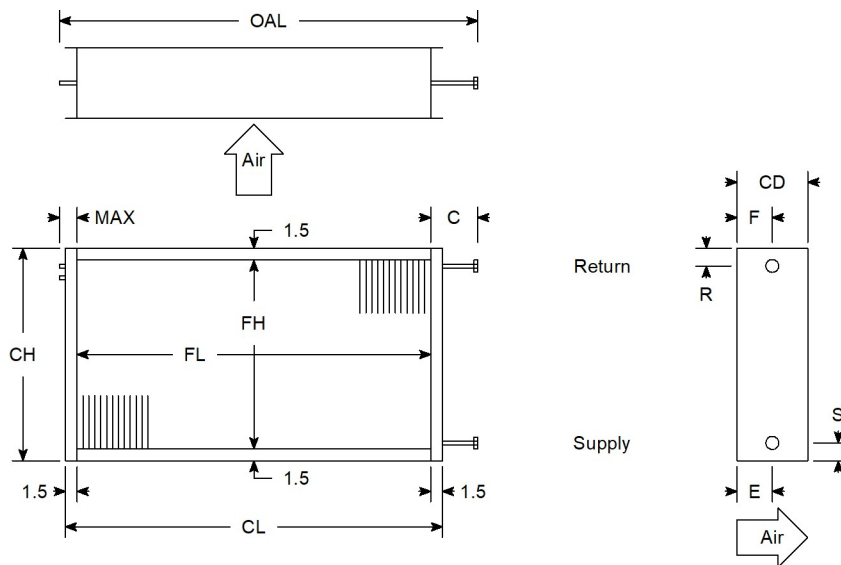


SUBMITTAL DRAWINGS

Logic Diagram Exercise USA

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Drawings



Dimensions*

Tag	C-4	C-5
Model	HW58S01B09-18x38-RH	HW58S01B09-18x38-RH
Weight	32	32
Fin material & type	0.006 Aluminum Sine-wave	0.006 Aluminum Sine-wave
Tube wall	0.02 / Smooth	0.02 / Smooth
Casing material / flange	16 ga. galv. steel (std) / Stacking	16 ga. galv. steel (std) / Stacking
Coating	None	None
Turbulators	No	No
Supply / return conn. size	0.75 / 0.75	0.75 / 0.75
Connection type	MPT Copper	MPT Copper
Number of feeds	2	2
FH / FL	18 / 38	18 / 38
CH / CL	21 / 41	21 / 41
OAL / CD	44.25 / 5	44.25 / 5
C	4	4
S / R	2.625 / 1.875	2.625 / 1.875
E / F	2.5 / 2.5	2.5 / 2.5
MAX	2.25	2.25

* All distances are measured as inches.



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PRICING DETAIL

Logic Diagram Exercise
USA

Items

Qty	Tag	Description	List	Net	Extended Price
2	C-1, C-6	HW58S01Q09-72x96-RH Multiplier: 1 Base price Number of feeds: 12 (Quarter) Tube wall thickness (in): 0.020, Fin thickness (in): 0.006 Connection type: MPT Supply conn. size (in): 1.5, Return conn. size (in): 1.5 Casing material: 16 ga. galv. steel (std) Customized dimensions follow: Internal Coil Code: H000002592 Standard Lead Time: 5 - 6 weeks Total Unit Price:	\$10,182	\$10,182	
			\$10,182	\$10,182	\$20,364
4	C-2, C-3, C-4, C-5	HW58S01B09-18x38-RH Multiplier: 1 Base price (quantity price break applied) Number of feeds: 2 Tube wall thickness (in): 0.020, Fin thickness (in): 0.006 Header: None, Connection type: MPT Supply conn. size (in): 0.75, Return conn. size (in): 0.75 Casing material: 16 ga. galv. steel (std) Customized dimensions follow: Internal Coil Code: H000000724 Standard Lead Time: 5 - 6 weeks Total Unit Price:	\$1,466	\$1,466	
			\$1,466	\$1,466	\$5,864
		Total:			\$26,228
		Total Lead Time:			5 - 6 weeks
		Internal Coil Code: A000003316			