



SUBMITTAL DATA

Manufacturing HW Coil
Nationwide Coils Coil C-1

Hot Water Coil

Tag	Qty	Model	Footnotes	Comment
C-1	1	HW12C02Q10-20x25-RH	a,b	

Construction and Performance Details

Tag	C-1
Air flow (SCFM)	2250
Altitude (ft)	0
Total capacity (MBH)	60.9
Entering dry bulb (°F)	55.0
Leaving dry bulb (°F)	80.0
Face velocity (ft/min)	648
Air pressure drop (in of water)	0.17
Air fouling factor (h·ft ² ·°F/Btu)	0.00000
Fluid	W
Entering fluid temp. (°F)	120.0
Leaving fluid temp. (°F)	107.7
Fluid flow rate (GPM)	10.0
Fluid velocity (ft/s)	4.40
Fluid pressure drop (ft of water)	6.9
Fluid fouling factor (h·ft ² ·°F/Btu)	0.00000
Fluid freezing temp. (°F)	32.0
Min. tube wall temp. (°F)	102.2
Coils per bank	1
Coil type	1/2
Fin height (in)	20.0
Fin length (in)	25.0
Face area (ft ²)	3.47
Rows	2
Fin spacing (fins/in)	10
Fin material	Al
Fin type	Cor.
Fin thickness (in)	0.006
Tube wall thickness (in)	0.020
Turbulators	No
Number of feeds	4
Supply conn. size (in)	1.000
Return conn. size (in)	1.000
Weight (lb)	34
Est. Operating Wt. (lb)	41

Footnotes

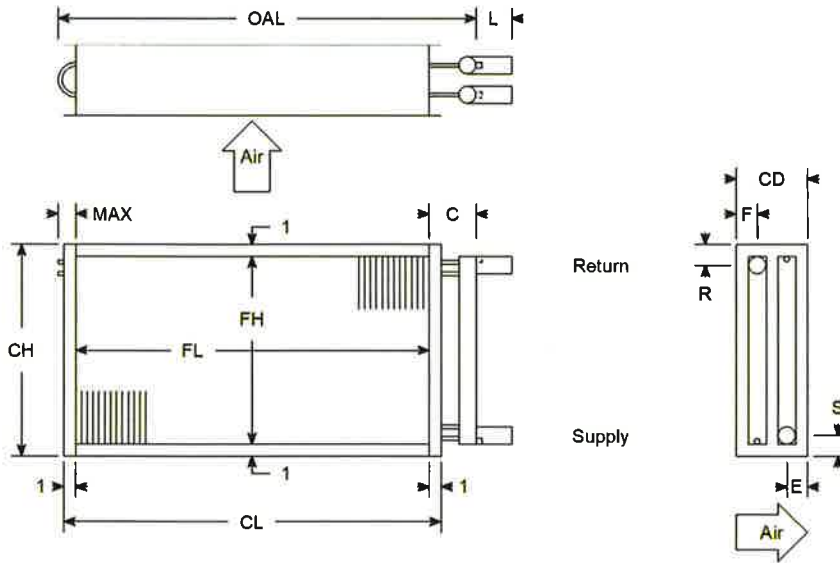
- (a) Certified in accordance with the AHRI Forced-Circulation Air-Cooling and Air-Heating Coils Certification Program which is based on AHRI Standard-410 within the Range of Standard Rating Conditions listed in Table 1 of the Standard. Certified units may be found in the AHRI Directory at www.ahridirectory.com.
- (b) Tube OD 0.500, Tube spacing 1.250 x 1.082



SUBMITTAL DRAWINGS

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Drawings†



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

Dimensions*

Tag	C-1
Model	HW12C02Q10-20x25-RH
Weight	34
Fin material & type	0.006 Aluminum Corrugated
Tube wall	0.02 / Smooth
Casing material / flange	16 ga. galv. steel (std) / Stacking
Coating	None
Turbulators	No
Header diameter	1.125
Supply / return conn. size	1 / 1
Connection type	MPT Copper
Number of feeds	4 (Quarter)
FH / FL	20 / 25
CH / CL	22 / 27
OAL / CD	31.25 / 6.5
C	4.25
S / R	2 / 2
E / F	1.96 / 1.96
L / MAX	2 / 2

* All distances are measured as inches.