



Air Conditioning & Heating



CAUF Uncased



CAPF Cased

CSCF Horizontal Slab



CHPF Horizontal "A"

PRODUCT SPECIFICATIONS



CAUF, CAUF, CHPF, & CSCF DUAL-REFRIGERANT SERIES

**CASED, PAINTED UPFLOW/
DOWNFLOW, UNCASED UPFLOW/
DOWNFLOW, HORIZONTAL "A"
& HORIZONTAL SLAB INDOOR COILS**



Goodman® coils are designed for use with Goodman® brand gas furnaces, split system air conditioners and heat pumps, as well as modular, two-piece blowers. Each cased coil has a quality, galvanized-steel cabinet.

Standard Features

- Suitable for use with R-410A and R-22 refrigerants
- Rust-proof, thermoplastic drain pans feature a low water-retention design
- Check flowrate expansion device for heat pump or cooling-only applications
- Riffled copper tubing and corrugated or wave pattern aluminum fin coils

Note: Do not use these coils on oil furnaces or any applications where the temperature on the drain pan may exceed 300°F. If these coils are applied with an oil furnace or another application where high temperatures threaten or jeopardize the durability of the drain pan, you must replace the factory-installed drain pan with a high-temperature drain pan. High-temperature drain pan kits are available as field-installed accessories.

Cased Coil Cabinet Features

- Foil-face insulation
- Galvanized leather-grain finish
- Architectural Gray paint finish on CA and CH cased coils
- Split-seam front for easy access
- 17½", 21", and 24½" CHPF coils have one 3½" adapter plate
- 17½", 21", and 24½" CAPF coils have two 1¾" adapter plates

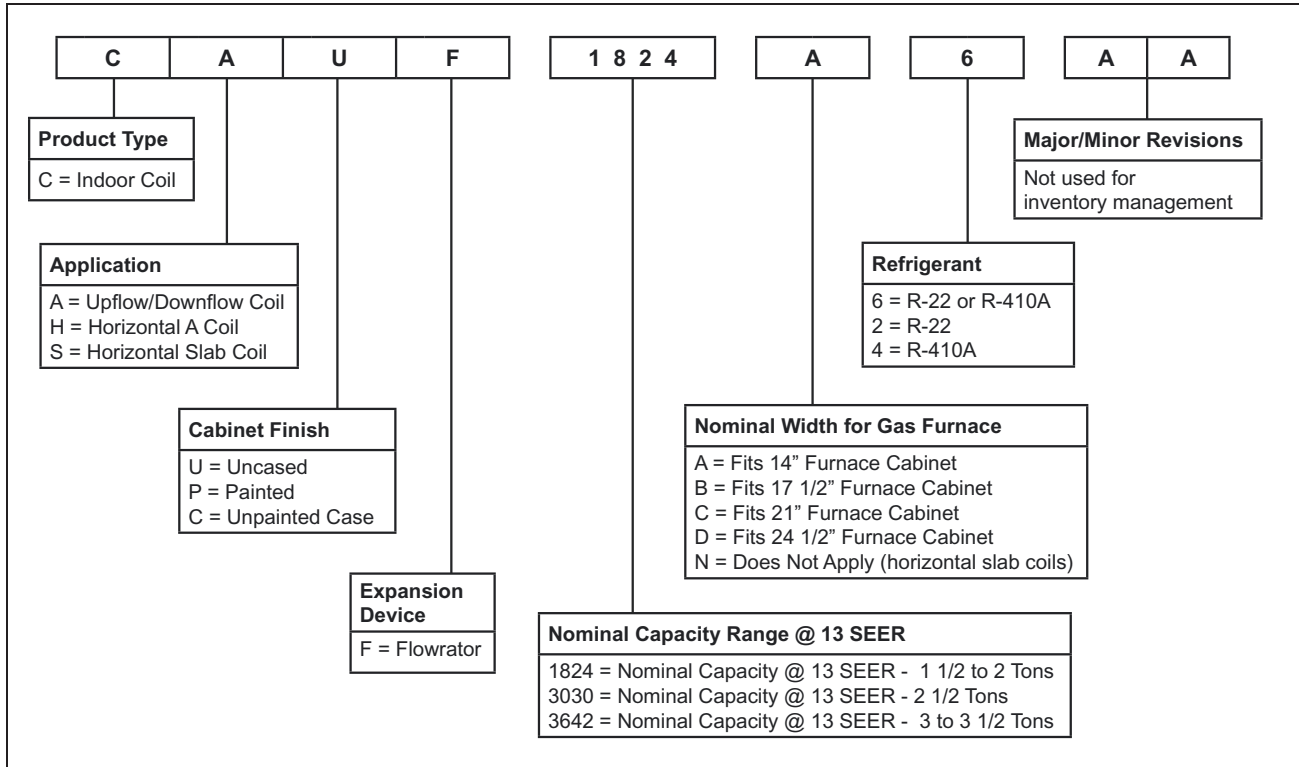
Accessories

- Field-installed Expansion Valve Kits
- Field-installed High-Temperature Drain Pan Kits; maximum temperature rating is 400°F
- See full list of accessories on Page 2.



PRODUCT SPECIFICATIONS

NOMENCLATURE



ACCESSORIES

EXPANSION VALVE KITS

Kit Number	Description	Application	Refrigerant	Tonnage: Outdoor Unit
XVB18-36C	20% Bleed Valve	AC Only	R-22	1½ - 3 Ton
XVB42-60C	20% Bleed Valve	AC Only	R-22	3½ - 5 Ton
XV18-36C	Non-bleed Valve	AC Only	R-22	1½ - 3 Ton
XV42-60C	Non-bleed Valve	AC Only	R-22	3½ - 5 Ton
TX2N2	Non-bleed Valve	AC or HP	R-22	1½ - 2 Ton
TX3N2	Non-bleed Valve	AC or HP	R-22	2½ - 3 Ton
TX5N2	Non-bleed Valve	AC or HP	R-22	3½ - 5 Ton
TX2N4	Non-bleed Valve	AC or HP	R-410A	1½ - 2 Ton
TX3N4	Non-bleed Valve	AC or HP	R-410A	2½ - 3 Ton
TX5N4	Non-bleed Valve	AC or HP	R-410A	3½ - 5 Ton

Note: Condensing units and heat pumps with reciprocating compressors require the use of start-assist components when used in conjunction with an indoor coil using a non-bleed thermal expansion valve refrigerant metering device.

DRAIN PAN KITS

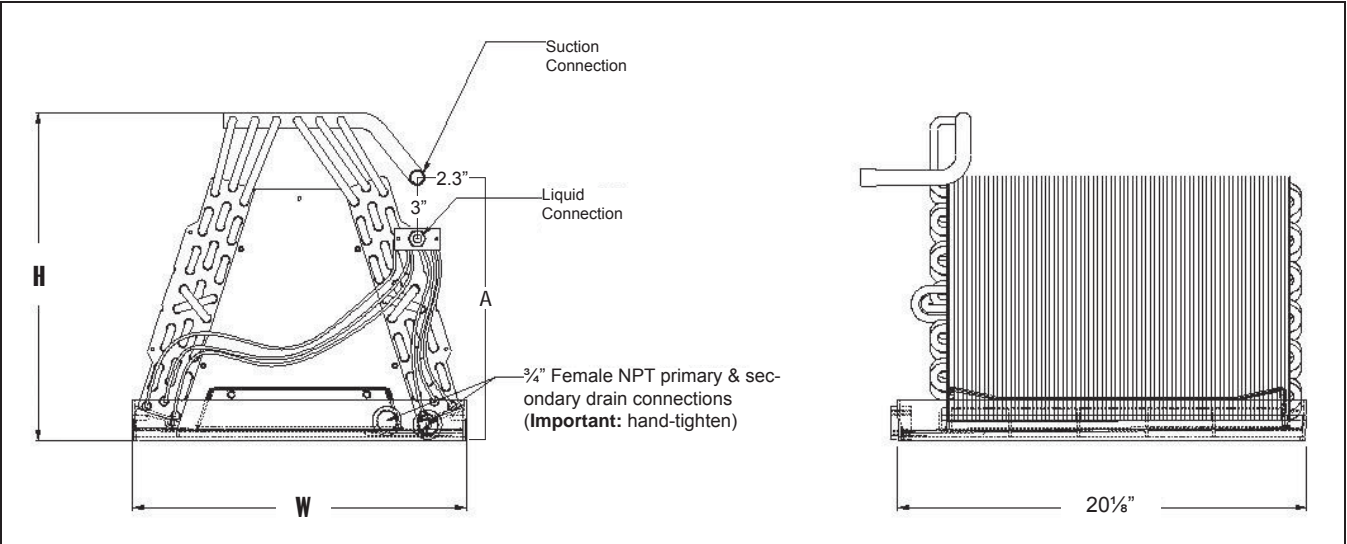
Drain Pan Kits	Furnace Size
HTP-A	14" furnaces
HTP-B	17½" furnaces
HTP-C	21" furnaces
HTP-D	24½" furnaces

CAUF—UNCASED UPFLOW/DOWNFLOW INDOOR COILS

SPECIFICATIONS

Model	Dimensions				Nominal Tons	Coil Dimensions		Connection		Ship Weight (lbs)
	W	D	H	A		W	H	Liquid	Suction	
CAUF1824A6	13"	20½"	18⅛"	13"	1½-2	16¾"	14"	⅜"	¾"	24
CAUF1824B6	16½"	20½"	20"	13"	1½-2	16¾"	16"	⅜"	¾"	31
CAUF1824C6	20"	20½"	17¼"	17"	1½-2	16¾"	14"	⅜"	¾"	31
CAUF3030A6	13"	20½"	20"	17"	2½	16¾"	16"	⅜"	¾"	24
CAUF3030B6	16½"	20½"	20"	17"	2½	16¾"	16"	⅜"	¾"	31
CAUF3030C6	20"	20½"	18"	17"	2½	16¾"	16"	⅜"	¾"	43
CAUF3030D6	23"	20½"	17⅜"	17"	2½	16¾"	16"	⅜"	¾"	44
CAUF3131B6	16½"	20½"	19 ⁵ / ₁₆ "	17"	2½	16¾"	18"	⅜"	¾"	43
CAUF3131C6	20"	20½"	23¾"	17"	2½	16¾"	20"	⅜"	⅞"	44
CAUF3636A6	13"	20½"	24⅛"	21"	3	16¾"	22"	⅜"	⅞"	40
CAUF3636B6	16½"	20½"	23 ⁵ / ₁₆ "	21"	3	16¾"	22"	⅜"	⅞"	44
CAUF3636C6	20"	20½"	23½"	21"	3	16¾"	22"	⅜"	⅞"	44
CAUF3636D6	23"	20½"	31"	21"	3	16¾"	22"	⅜"	⅞"	55
CAUF3642C6	20"	20½"	27 ⁵ / ₁₆ "	25"	3-3½	16¾"	26"	⅜"	⅞"	55
CAUF3642D6	23"	20½"	27¾"	25"	3-3½	16¾"	26"	⅜"	⅞"	60
CAUF4860C6	20"	20½"	27 ⁵ / ₁₆ "	25"	4-5	16¾"	26"	⅜"	⅞"	55
CAUF4860D6	23"	20½"	27¾"	25"	4-5	16¾"	26"	⅜"	⅞"	60

DIMENSIONS



PRODUCT SPECIFICATIONS

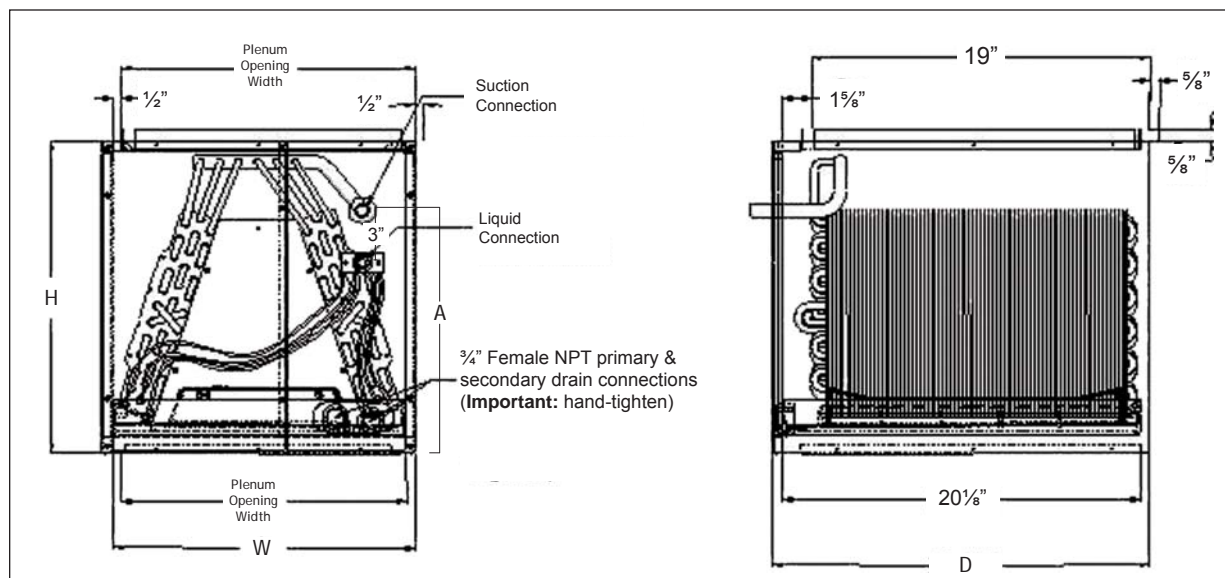
CAPF—CASED UPFLOW/DOWNFLOW INDOOR COILS

SPECIFICATIONS

Model	Dimensions			Plenum Opening		Evap Coil Face Area*	Coil Dimensions		Nominal Tons	Connection		Ship Weight (lbs)
	W	D	H	W	H		W	H		Liquid	Suction	
CAPF1824A6	14"	21"	18"	13"	17"	3 ³ / ₄	16 ³ / ₄ "	14"	1 ¹ / ₂ -2	3 ³ / ₈ "	3 ³ / ₄ "	38
CAPF1824B6	17 ¹ / ₂ "	21"	18"	16 ¹ / ₂ "	17"	3 ⁵ / ₇	16 ³ / ₄ "	16"	1 ¹ / ₂ -2	3 ³ / ₈ "	3 ³ / ₄ "	42
CAPF1824C6	21"	21"	22"	20"	21"	3 ³ / ₄	16 ³ / ₄ "	14"	1 ¹ / ₂ -2	3 ³ / ₈ "	3 ³ / ₄ "	48
CAPF3030A6	14"	21"	22"	13"	21"	3 ³ / ₄	16 ³ / ₄ "	16"	2 ¹ / ₂	3 ³ / ₈ "	3 ³ / ₄ "	40
CAPF3030B6	17 ¹ / ₂ "	21"	22"	16 ¹ / ₂ "	21"	3 ³ / ₄	16 ³ / ₄ "	16"	2 ¹ / ₂	3 ³ / ₈ "	3 ³ / ₄ "	48
CAPF3030C6	21"	21"	22"	20"	21"	3 ³ / ₄	16 ³ / ₄ "	16"	2 ¹ / ₂	3 ³ / ₈ "	3 ³ / ₄ "	60
CAPF3030D6	24 ¹ / ₂ "	21"	22"	23 ¹ / ₂ "	21"	3 ³ / ₄	16 ³ / ₄ "	16"	2 ¹ / ₂	3 ³ / ₈ "	3 ³ / ₄ "	60
CAPF3131B6	17 ¹ / ₂ "	21"	22"	16 ¹ / ₂ "	21"	4 ¹ / ₅	16 ³ / ₄ "	18"	2 ¹ / ₂	3 ³ / ₈ "	3 ³ / ₄ "	60
CAPF3131C6	21"	21"	26"	20"	25"	4 ³ / ₅	16 ³ / ₄ "	20"	2 ¹ / ₂	3 ³ / ₈ "	7 ⁷ / ₈ "	65
CAPF3636A6	14"	21"	26"	13"	25"	5 ¹ / ₈	16 ³ / ₄ "	22"	3	3 ³ / ₈ "	7 ⁷ / ₈ "	48
CAPF3636B6	17 ¹ / ₂ "	21"	26"	16 ¹ / ₂ "	25"	5 ¹ / ₈	16 ³ / ₄ "	22"	3	3 ³ / ₈ "	7 ⁷ / ₈ "	55
CAPF3636C6	21"	21"	26"	20"	25"	5 ¹ / ₈	16 ³ / ₄ "	22"	3	3 ³ / ₈ "	7 ⁷ / ₈ "	65
CAPF3636D6	24 ¹ / ₂ "	21"	26"	23 ¹ / ₂ "	25"	5 ¹ / ₈	16 ³ / ₄ "	22"	3	3 ³ / ₈ "	7 ⁷ / ₈ "	60
CAPF3642C6	21"	21"	30"	20"	29"	6	16 ³ / ₄ "	26"	3-3 ¹ / ₂	3 ³ / ₈ "	7 ⁷ / ₈ "	61
CAPF3642D6	24 ¹ / ₂ "	21"	30"	23 ¹ / ₂ "	29"	6	16 ³ / ₄ "	26"	3-3 ¹ / ₂	3 ³ / ₈ "	7 ⁷ / ₈ "	75
CAPF4860C6	21"	21"	30"	20"	29"	6	16 ³ / ₄ "	26"	4-5	3 ³ / ₈ "	7 ⁷ / ₈ "	68
CAPF4860D6	24 ¹ / ₂ "	21"	30"	23 ¹ / ₂ "	29"	6	16 ³ / ₄ "	26"	4-5	3 ³ / ₈ "	7 ⁷ / ₈ "	75

* (ft²)

DIMENSIONS



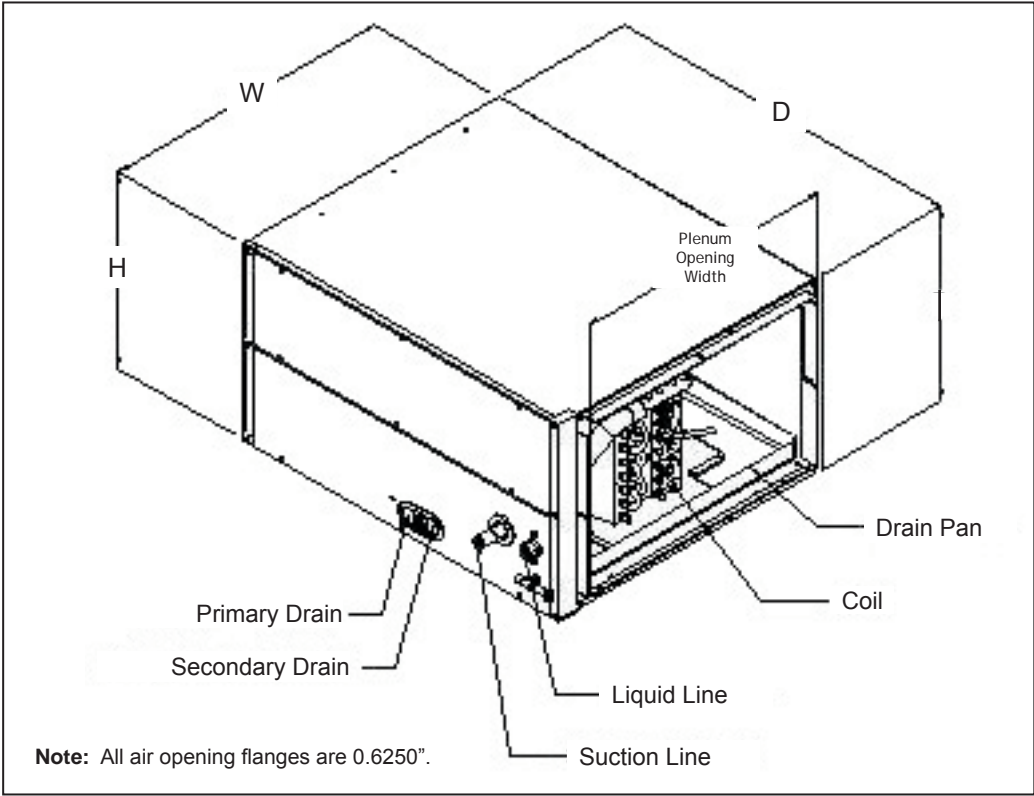
CHPF—CASED HORIZONTAL “A” INDOOR COIL

SPECIFICATIONS

Model	Dimensions (Cabinet)			Plenum Opening		Nominal Tons	Evap Coil Face Area*	Coil Dimensions		Connection		Ship Weight (lbs)
	W	D	H	W	H			W	H	Liquid	Suction	
CHPF1824A6	21 $\frac{1}{8}$ "	26"	14"	19"	13"	1 $\frac{1}{2}$ -2	3 $\frac{1}{3}$	20 $\frac{1}{8}$ "	12"	$\frac{3}{8}$ "	$\frac{3}{4}$ "	36
CHPF2430B6	21 $\frac{1}{8}$ "	26"	17 $\frac{1}{2}$ "	19"	16 $\frac{1}{2}$ "	2-2 $\frac{1}{2}$	4 $\frac{1}{2}$	20 $\frac{1}{8}$ "	16"	$\frac{3}{8}$ "	$\frac{3}{4}$ "	55
CHPF3636B6	21 $\frac{1}{8}$ "	26"	17 $\frac{1}{2}$ "	19"	16 $\frac{1}{2}$ "	3	4 $\frac{1}{3}$	19 $\frac{1}{2}$ "	16"	$\frac{3}{8}$ "	$\frac{7}{8}$ "	50
CHPF3642C6	21 $\frac{1}{8}$ "	26"	21"	19"	20"	3-3 $\frac{1}{2}$	4 $\frac{1}{3}$	19 $\frac{1}{2}$ "	16"	$\frac{3}{8}$ "	$\frac{7}{8}$ "	63
CHPF3642D6	21 $\frac{1}{8}$ "	26"	24 $\frac{1}{2}$ "	19"	23 $\frac{1}{2}$ "	3-3 $\frac{1}{2}$	6	19 $\frac{1}{2}$ "	22"	$\frac{3}{8}$ "	$\frac{7}{8}$ "	66
CHPF3743C6	21 $\frac{1}{8}$ "	26"	21"	19"	20"	3-3 $\frac{1}{2}$	4 $\frac{1}{3}$	19 $\frac{1}{2}$ "	16"	$\frac{3}{8}$ "	$\frac{7}{8}$ "	63
CHPF3743D6	21 $\frac{1}{8}$ "	26"	24 $\frac{1}{2}$ "	19"	23 $\frac{1}{2}$ "	3-3 $\frac{1}{2}$	6	19 $\frac{1}{2}$ "	22"	$\frac{3}{8}$ "	$\frac{7}{8}$ "	63
CHPF4860D6	21 $\frac{1}{8}$ "	26"	24 $\frac{1}{2}$ "	19"	23 $\frac{1}{2}$ "	4-5	6	19 $\frac{1}{2}$ "	22"	$\frac{3}{8}$ "	$\frac{7}{8}$ "	77

* (ft²)

DIMENSIONS



PRODUCT SPECIFICATIONS

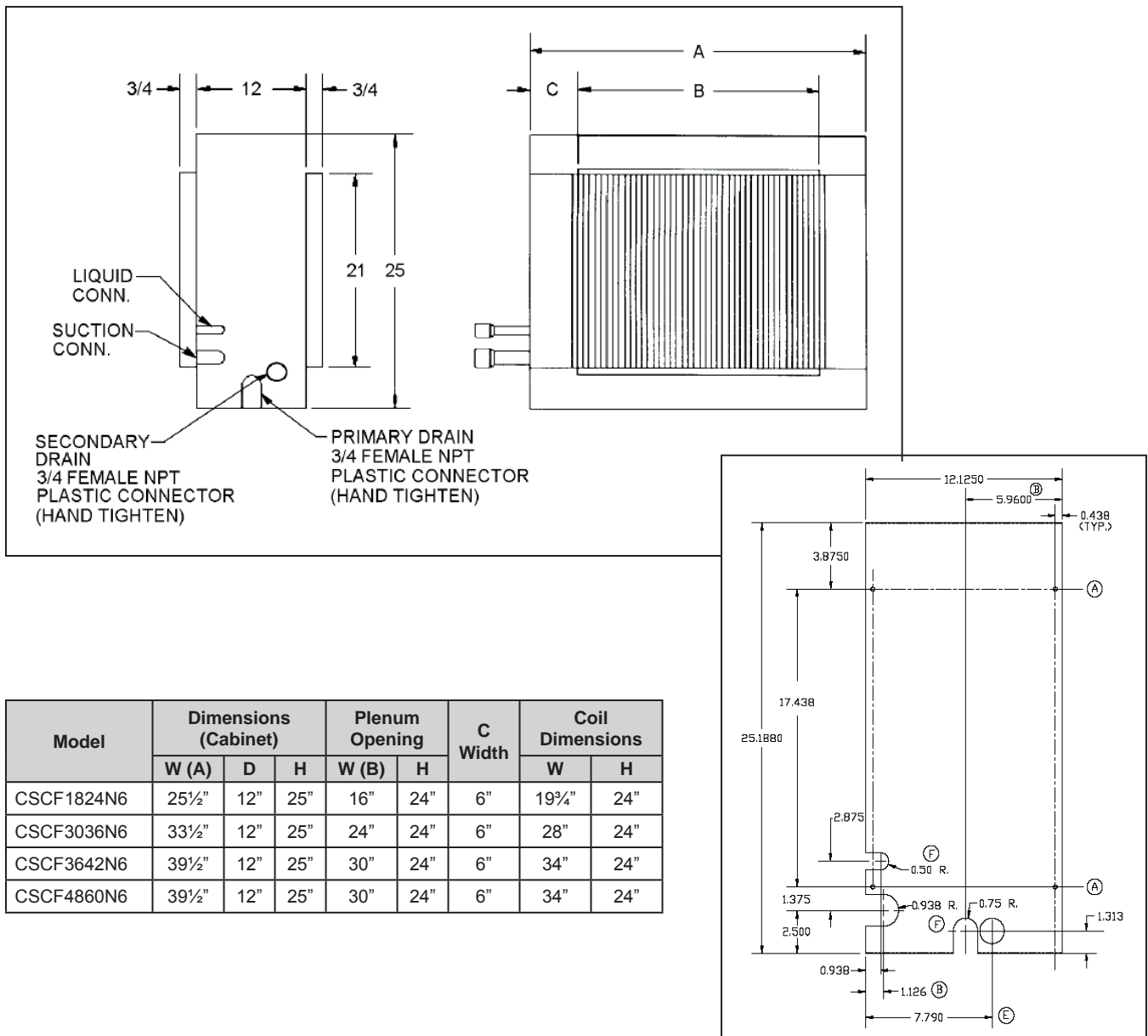
CSCF—HORIZONTAL SLAB EVAPORATOR COILS

SPECIFICATIONS

Model	Nominal Tons	Evap Coil Face Area*	Connection		Ship Weight (lbs)
			Liquid	Suction	
CSCF1824N6	1½-2	3⅓	⅜"	¼"	42
CSCF3036N6	2½-3	4⅔	⅜"	⅞"	53
CSCF3642N6	3-3½	5⅔	⅜"	⅞"	58
CSCF4860N6	4-5	5⅔	⅜"	⅞"	65

* (ft²)

DIMENSIONS



Model	Dimensions (Cabinet)			Plenum Opening		C Width	Coil Dimensions	
	W (A)	D	H	W (B)	H		W	H
CSCF1824N6	25½"	12"	25"	16"	24"	6"	19¼"	24"
CSCF3036N6	33½"	12"	25"	24"	24"	6"	28"	24"
CSCF3642N6	39½"	12"	25"	30"	24"	6"	34"	24"
CSCF4860N6	39½"	12"	25"	30"	24"	6"	34"	24"

Detail of Access Door

AIRFLOW DATA FOR CA*F

AIR QUANTITY (SCFM) vs. PRESSURE DROP (IN. WC)

CA*F1824A6*	SCFM	400	500	600	700	800	900	1000	1100	1200										
	Wet	0.049	0.072	0.104	0.138	0.179	0.227	0.276	0.320	---										
	Dry	0.043	0.064	0.090	0.120	0.155	0.199	0.245	0.293	0.340										
CA*F1824B6*	SCFM	400	500	600	700	800	900	1000	1100	1200										
	Wet	0.019	0.043	0.071	0.102	0.139	0.180	0.226	0.281	0.340										
	Dry	0.010	0.034	0.060	0.084	0.113	0.145	0.175	0.213	0.255										
CA*F1824C6*	SCFM	400	500	600	700	800	900	1000	1100	1200										
	Wet	0.016	0.036	0.061	0.089	0.122	0.161	0.199	0.247	0.294										
	Dry	0.011	0.028	0.049	0.073	0.100	0.130	0.164	0.200	0.241										
CA*F3030B6*	SCFM	600	700	800	900	1000	1100	1200	1300	1400	1500									
	Wet	0.050	0.083	0.112	0.146	0.184	0.225	0.276	0.323	0.375	0.043									
	Dry	0.048	0.070	0.090	0.118	0.152	0.186	0.220	0.259	0.300	0.346									
CA*F3030C6*	SCFM	600	700	800	900	1000	1100	1200	1300	1400	1500									
	Wet	0.038	0.058	0.080	0.104	0.132	0.164	0.199	0.236	0.277	0.322									
	Dry	0.028	0.045	0.065	0.086	0.111	0.137	0.164	0.187	0.216	0.252									
CA*F3030D6*	SCFM	600	700	800	900	1000	1100	1200	1300	1400	1500									
	Wet	0.039	0.060	0.090	0.108	0.136	0.168	0.206	0.244	0.288	0.337									
	Dry	0.030	0.047	0.068	0.089	0.114	0.149	0.167	0.197	0.230	0.264									
CA*F3131B2A	SCFM	600	700	800	900	1000	1100	1200	1300	1400	1500	1600								
	Wet	0.031	0.072	0.103	0.133	0.163	0.199	0.239	0.284	0.330	0.381	0.436								
	Dry	0.018	0.051	0.076	0.099	0.122	0.149	0.180	0.214	0.249	0.285	0.323								
CA*F3131C6*	SCFM	600	700	800	900	1000	1100	1200	1300	1400	1700	1800								
	Wet	0.036	0.048	0.065	0.085	0.106	0.132	0.159	0.190	0.226	0.264	0.301								
	Dry	0.026	0.038	0.053	0.072	0.092	0.114	0.138	0.161	0.184	0.216	0.250								
CA*F3636B6*	SCFM	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900							
	Wet	0.077	0.104	0.126	0.154	0.184	0.224	0.263	0.307	0.347	0.267	0.301	0.341							
	Dry	0.067	0.087	0.108	0.133	0.162	0.190	0.226	0.264	0.304	0.232	0.260	0.291							
CA*F3636C6*	SCFM	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900							
	Wet	0.047	0.064	0.081	0.101	0.125	0.148	0.176	0.205	0.235	0.267	0.301	0.341							
	Dry	0.042	0.057	0.074	0.091	0.110	0.133	0.156	0.180	0.205	0.232	0.260	0.291							
CA*F3642C6*	SCFM	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200				
	Wet	0.062	0.070	0.090	0.100	0.120	0.140	0.160	0.190	0.220	0.240	0.270	0.310	0.350	0.400	0.430				
	Dry	0.049	0.060	0.070	0.090	0.110	0.130	0.150	0.170	0.190	0.220	0.240	0.270	0.300	0.330	0.370				
CA*F3642D6*	SCFM	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200				
	Wet	0.055	0.060	0.070	0.080	0.100	0.110	0.120	0.150	0.170	0.190	0.210	0.240	0.270	0.290	0.310				
	Dry	0.030	0.040	0.050	0.060	0.070	0.090	0.100	0.110	0.130	0.150	0.160	0.180	0.200	0.220	0.250				
CA*F4860C6*	SCFM	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200						
	Wet	0.110	0.130	0.150	0.180	0.210	0.240	0.280	0.310	0.340	0.390	0.430	0.470	0.510						
	Dry	0.100	0.120	0.140	0.160	0.190	0.220	0.240	0.270	0.310	0.330	0.370	0.410	0.440						
CA*F4860D6*	SCFM	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200						
	Wet	0.070	0.090	0.110	0.120	0.150	0.170	0.190	0.220	0.240	0.270	0.310	0.340	0.380						
	Dry	0.060	0.080	0.090	0.110	0.120	0.140	0.160	0.180	0.210	0.230	0.250	0.280	0.300						

PRODUCT SPECIFICATIONS

AIRFLOW DATA FOR CHPF

AIR QUANTITY (SCFM) VS. PRESSURE DROP (IN. WC)

CHPF 1824A6*	SCFM	600	700	800	900	1000	1100	1200	1300	1400							
	Wet	0.082	0.129	0.172	0.222	0.277	0.331	0.406	0.472	0.555							
	Dry	0.076	0.115	0.156	0.199	0.252	0.304	0.364	0.428	0.513							
CHPF 2430B6*	SCFM	600	700	800	900	1000	1100	1200	1300	1400	1500	1600					
	Wet	0.056	0.074	0.102	0.134	0.168	0.208	0.251	0.300	0.356	0.410	0.464					
	Dry	0.051	0.072	0.095	0.124	0.159	0.197	0.238	0.283	0.331	0.378	0.434					
CHPF 3636B6*	SCFM	600	700	800	900	1000	1100	1200	1300	1400	1500	1600					
	Wet	0.057	0.081	0.117	0.149	0.189	0.241	0.288	0.339	0.389	0.444	0.502					
	Dry	0.052	0.076	0.102	0.134	0.170	0.209	0.253	0.299	0.351	0.408	0.466					
CHPF 3642C6*	SCFM	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800					
	Wet	0.083	0.103	0.126	0.151	0.178	0.208	0.240	0.274	0.310	0.346	0.383					
	Dry	0.073	0.096	0.120	0.144	0.169	0.196	0.224	0.254	0.286	0.319	0.354					
CHPF 3642D6*	SCFM	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	
	Wet	0.046	0.050	0.060	0.070	0.090	0.110	0.130	0.160	0.180	0.210	0.240	0.260	0.300	0.320	0.350	
	Dry	0.017	0.040	0.060	0.070	0.090	0.110	0.130	0.150	0.170	0.200	0.220	0.250	0.280	0.310	0.340	
CHPF 4860D6*	SCFM	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200		
	Wet	0.060	0.080	0.090	0.120	0.140	0.160	0.190	0.220	0.250	0.280	0.320	0.350	0.390	0.430		
	Dry	0.060	0.080	0.100	0.120	0.140	0.160	0.180	0.210	0.240	0.270	0.300	0.330	0.370	0.400		

Note: For horizontal left applications, reduce airflow 3%

AIRFLOW DATA FOR CSCF

AIR QUANTITY (SCFM) VS. PRESSURE DROP (IN. WC)

CSCF1824N6*	SCFM	500	600	700	800	900	1000	1100	1200							
	Wet	0.011	0.027	0.049	0.067	0.095	0.121	0.141	0.153							
	Dry	0.007	0.016	0.029	0.041	0.056	0.071	0.089	0.108							
CSCF3036N6*	SCFM	700	800	900	1000	1100	1200	1300	1400							
	Wet	0.019	0.023	0.03	0.039	0.049	0.052	0.07	0.081							
	Dry	0.06	0.013	0.02	0.028	0.036	0.045	0.053	0.063							
CSCF3642N6*	SCFM	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800				
	Wet	0.011	0.016	0.021	0.034	0.044	0.062	0.073	0.096	0.106	0.113	0.123				
	Dry	0.005	0.01	0.016	0.022	0.029	0.035	0.043	0.051	0.062	0.071	0.08				
CSCF4860N6*	SCFM	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800				
	Wet	0.021	0.033	0.045	0.055	0.067	0.09	0.103	0.125	0.135	0.156	0.188				
	Dry	0.014	0.021	0.03	0.037	0.047	0.055	0.065	0.088	0.095	0.103	0.121				



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