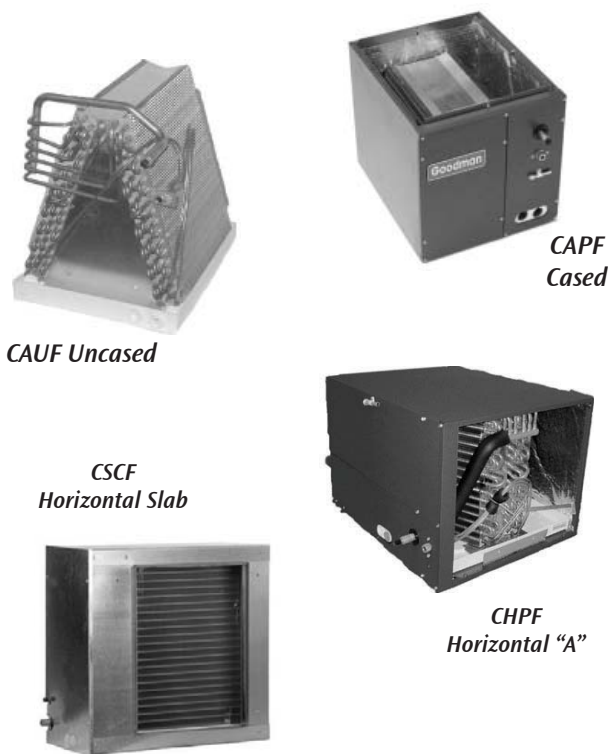




Air Conditioning & Heating



PRODUCT SPECIFICATIONS



CAPE, 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
- Rifled 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

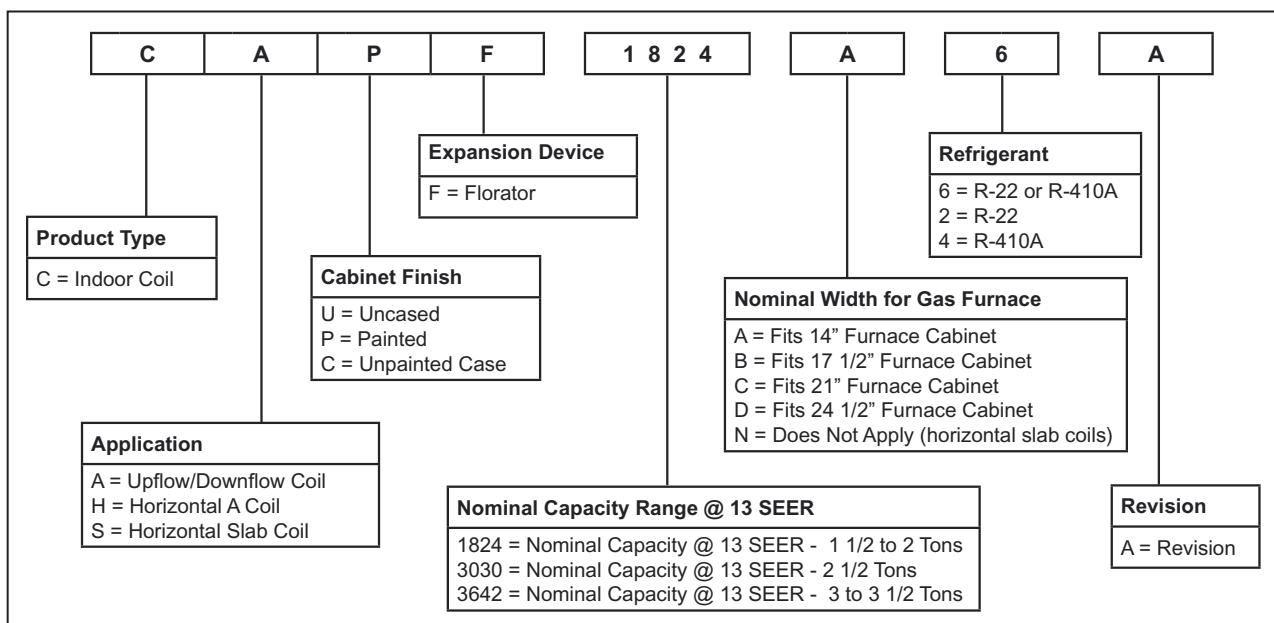
Accessories

- 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

Model	Description
TX3N2	Field-installed, non-bleed, expansion valve kit for 1½- through 3-ton R-22 air conditioners and heat pumps; for use with CA**/CH** coils and AR**/AE** air handlers
TX5N2	Field-installed, non-bleed, expansion valve kit for 3½- through 5-ton R-22 air conditioners and heat pumps; for use with CA**/CH** coils and AR**/AE** air handlers
TX3N4	Field-installed, non-bleed, expansion valve kit for 1½- through 3-ton R-410A air conditioners and heat pumps; for use with CA**/CH** coils and AR**/AE** air handlers
TX5N4	Field-installed, non-bleed, expansion valve kit for 3½- through 5-ton R-410A air conditioners and heat pumps; for use with CA**/CH** coils and AR**/AE** air handlers

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

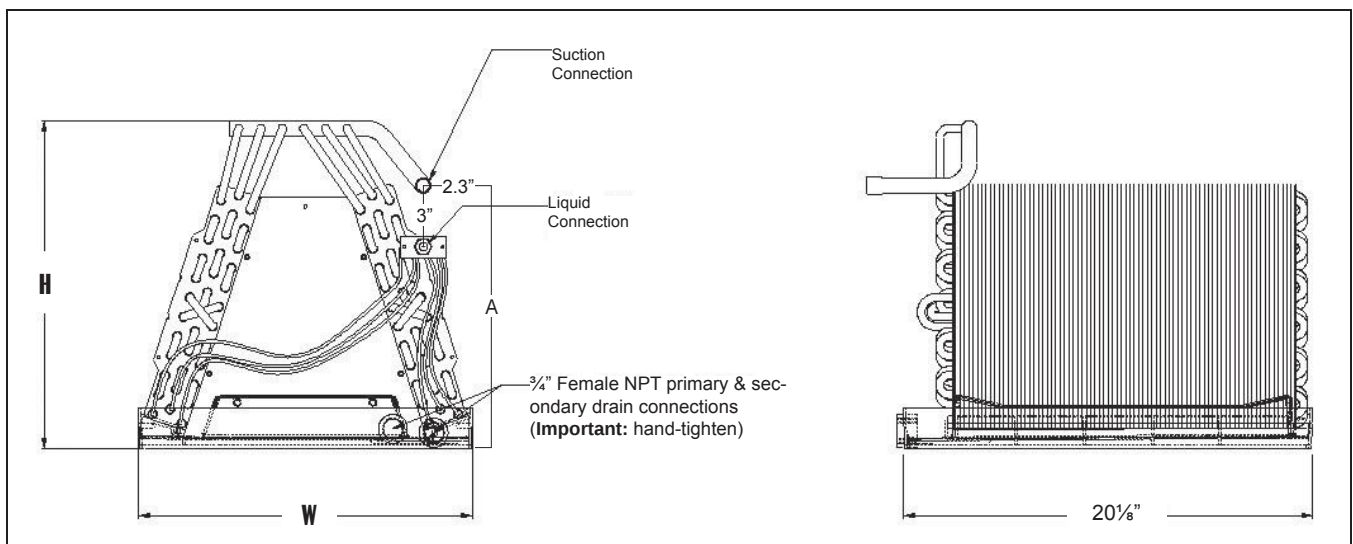
Drain Pan Kits	Furnace Size
HTP-A	14" furnaces
HTP-B	17½" furnaces
HTP-C	21" furnaces
HTP-D	24½" furnaces

CAUF—UNCASED UPFLOW/DOWNFLOW INDOOR COILS

SPECIFICATIONS

Model	Dimensions				Nominal Tons	Coil Dimensions		# of Rows	Connection		Ship Weight (lbs)
	W	D	H	A		W	H		Liquid	Suction	
CAUF1824A6	13"	20½"	18⅞"	13"	1½-2	16¾"	14"	3	⅜"	¾"	24
CAUF1824B6	16½"	20½"	20"	13"	1½-2	16¾"	16"	3	⅜"	¾"	31
CAUF1824C6	20"	20½"	17¼"	17"	1½-2	16¾"	14"	3	⅜"	¾"	31
CAUF3030A6	13"	20½"	20"	17"	2½	16¾"	16"	3	⅜"	¾"	24
CAUF3030B6	16½"	20½"	20"	17"	2½	16¾"	16"	3	⅜"	¾"	31
CAUF3030C6	20"	20½"	18"	17"	2½	16¾"	16"	3	⅜"	¾"	43
CAUF3030D6	23"	20½"	17⅜"	17"	2½	16¾"	16"	3	⅜"	¾"	44
CAUF3131B6	16½"	20½"	19⅓"	17"	2½	16¾"	18"	3	⅜"	¾"	43
CAUF3131C6	20"	20½"	23¾"	17"	2½	16¾"	20"	3	⅜"	⅞"	44
CAUF3636A6	13"	20½"	24⅞"	21"	3	16¾"	22"	3	⅜"	⅞"	40
CAUF3636B6	16½"	20½"	23⅓"	21"	3	16¾"	22"	3	⅜"	⅞"	44
CAUF3636C6	20"	20½"	23½"	21"	3	16¾"	22"	3	⅜"	⅞"	44
CAUF3636D6	23"	20½"	31"	21"	3	16¾"	22"	3	⅜"	⅞"	55
CAUF3642C6	20"	20½"	27⅓"	25"	3-3½	16¾"	26"	3	⅜"	⅞"	55
CAUF3642D6	23"	20½"	27¾"	25"	3-3½	16¾"	26"	4	⅜"	⅞"	60
CAUF4860C6	20"	20½"	27⅓"	25"	4-5	16¾"	26"	4	⅜"	⅞"	55
CAUF4860D6	23"	20½"	27¾"	25"	4-5	16¾"	26"	4	⅜"	⅞"	60

DIMENSIONS



PRODUCT SPECIFICATIONS

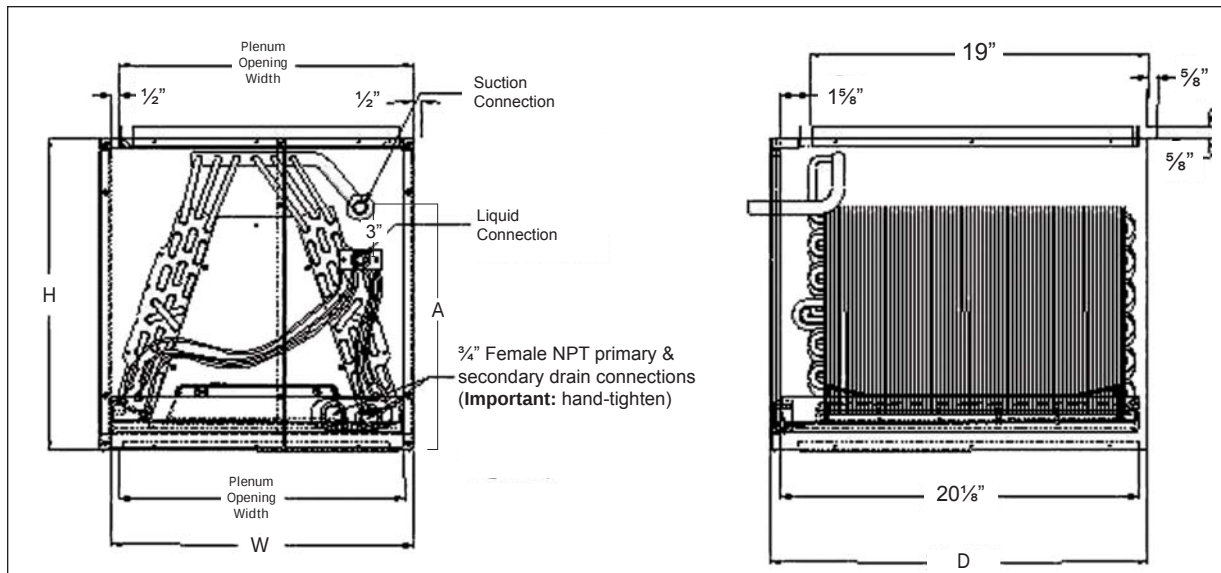
CAPF—CASED UPFLOW/DOWNFLOW INDOOR COILS

SPECIFICATIONS

Model	Dimensions			Plenum Opening		Evap Coil Face Area*	Coil Dimensions		Nominal Tons	No. of Rows	Connection		Ship Weight (lbs)
	W	D	H	W	H		W	H			Liquid	Suction	
CAPF1824A6	14"	21"	18"	13"	17"	3¼	16¾"	14"	1½-2	3	⅜"	¾"	38
CAPF1824B6	17½"	21"	22"	16½"	21"	3⅝	16¾"	16"	1½-2	3	⅜"	¾"	42
CAPF1824C6	21"	21"	22"	20"	21"	3¼	16¾"	14"	1½-2	3	⅜"	¾"	48
CAPF3030A6	14"	21"	22"	13"	21"	3¼	16¾"	16"	2½	3	⅜"	¾"	40
CAPF3030B6	17½"	21"	22"	16½"	21"	3¼	16¾"	16"	2½	3	⅜"	¾"	48
CAPF3030C6	21"	21"	22"	20"	21"	3¼	16¾"	16"	2½	3	⅜"	¾"	60
CAPF3030D6	24½"	21"	22"	23½"	21"	3¼	16¾"	16"	2½	3	⅜"	¾"	60
CAPF3131B6	17½"	21"	22"	16½"	21"	4⅓	16¾"	18"	2½	3	⅜"	¾"	60
CAPF3131C6	21"	21"	26"	20"	25"	4⅓	16¾"	20"	2½	3	⅜"	⅞"	65
CAPF3636A6	14"	21"	26"	13"	25"	5⅞	16¾"	22"	3	3	⅜"	⅞"	48
CAPF3636B6	17½"	21"	26"	16½"	25"	5⅞	16¾"	22"	3	3	⅜"	⅞"	55
CAPF3636C6	21"	21"	26"	20"	25"	5⅞	16¾"	22"	3	3	⅜"	⅞"	65
CAPF3636D6	24½"	21"	26"	23½"	25"	5⅞	16¾"	22"	3	3	⅜"	⅞"	60
CAPF3642C6	21"	21"	30"	20"	29"	6	16¾"	26"	3-3½	3	⅜"	⅞"	61
CAPF3642D6	24½"	21"	30"	23½"	29"	6	16¾"	26"	3-3½	4	⅜"	⅞"	75
CAPF4860C6	21"	21"	30"	20"	29"	6	16¾"	26"	4-5	4	⅜"	⅞"	68
CAPF4860D6	24½"	21"	30"	23½"	29"	6	16¾"	26"	4-5	4	⅜"	⅞"	75

* (ft²)

DIMENSIONS



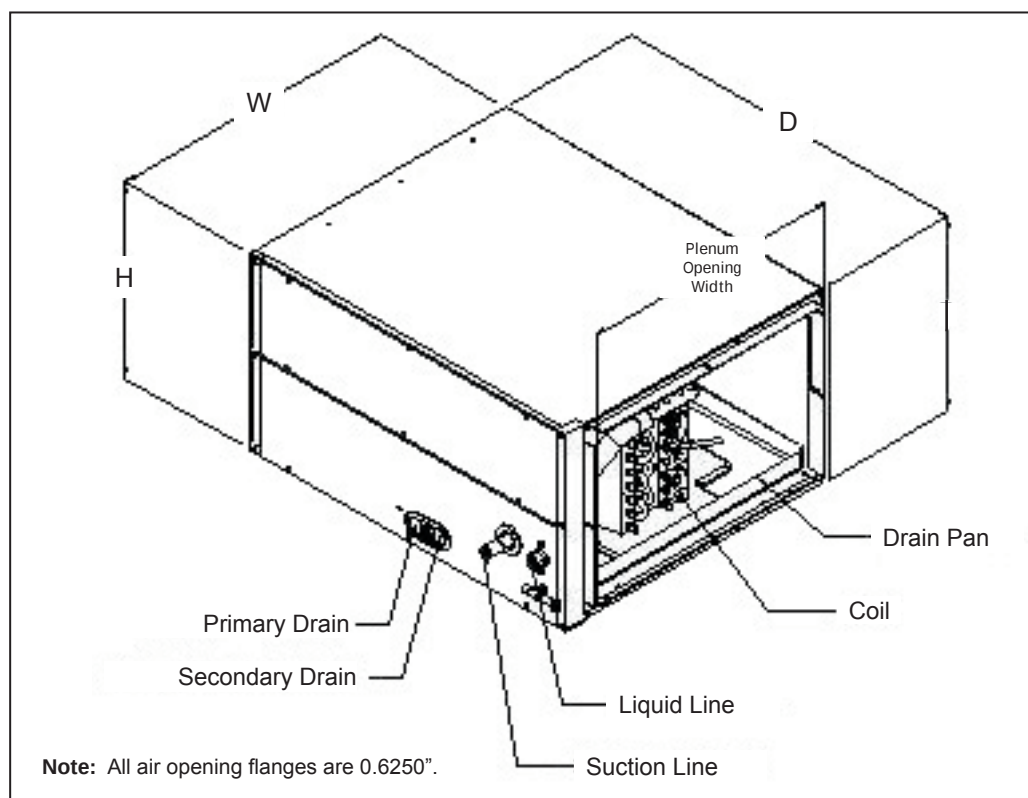
CHPF—CASED HORIZONTAL “A” INDOOR COIL

SPECIFICATIONS

Model	Dimensions (Cabinet)			Plenum Opening		Nominal Tons	Evap Coil Face Area*	Coil Dimensions		No. of Rows	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"	3	$\frac{3}{8}$ "	$\frac{3}{4}$ "	40
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"	3	$\frac{3}{8}$ "	$\frac{3}{4}$ "	60
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"	4	$\frac{3}{8}$ "	$\frac{7}{8}$ "	55
CHPF3642C6	21 $\frac{1}{8}$ "	26"	21"	19"	20"	3-3 $\frac{1}{2}$	4 $\frac{1}{3}$	19 $\frac{1}{2}$ "	16"	4	$\frac{3}{8}$ "	$\frac{7}{8}$ "	65
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"	3	$\frac{3}{8}$ "	$\frac{7}{8}$ "	65
CHPF4860D6	21 $\frac{1}{8}$ "	26"	24 $\frac{1}{2}$ "	19"	23 $\frac{1}{2}$ "	4-5	6	19 $\frac{1}{2}$ "	22"	4	$\frac{3}{8}$ "	$\frac{7}{8}$ "	70

* (ft²)

DIMENSIONS



PRODUCT SPECIFICATIONS

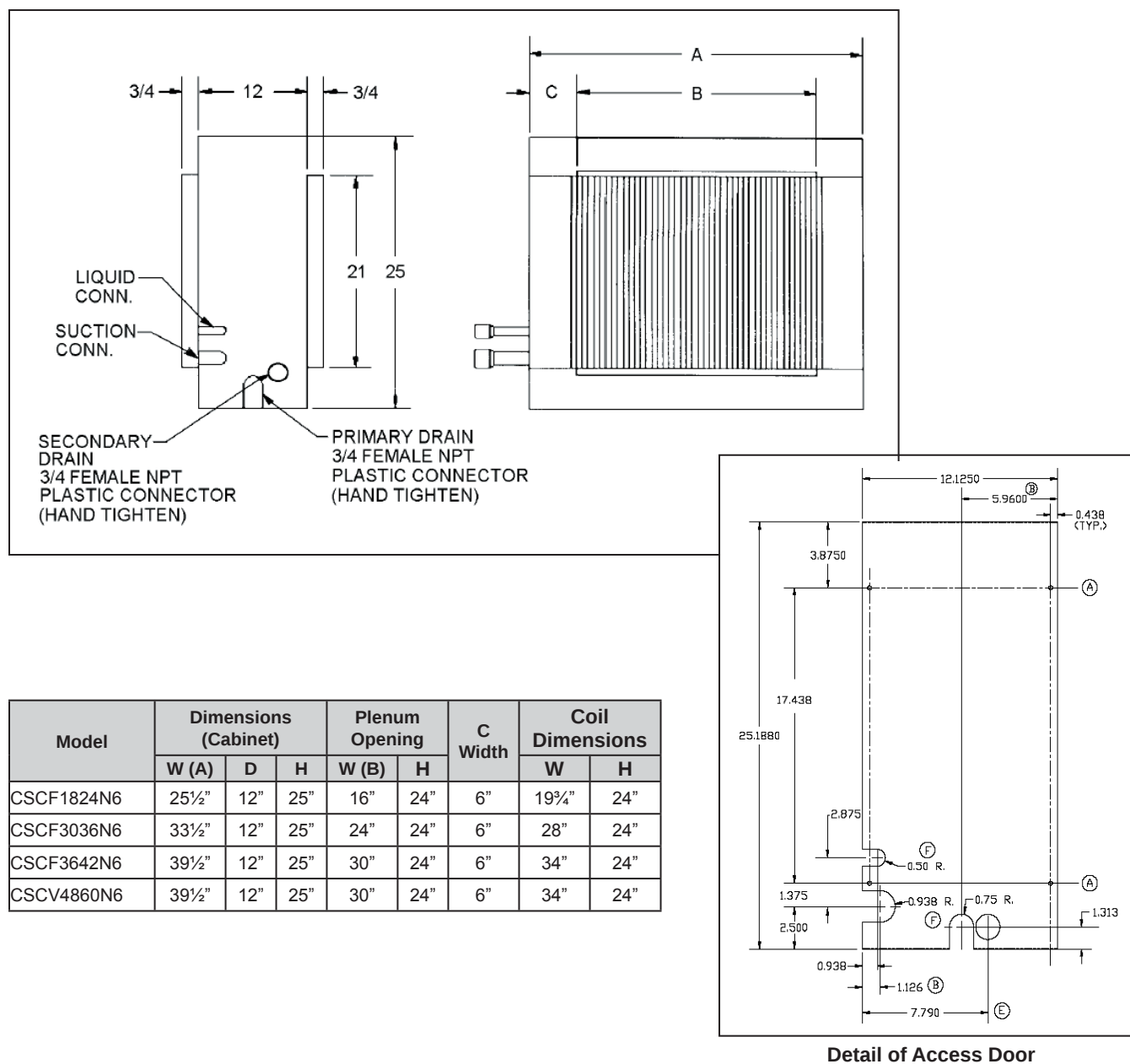
CSCF—HORIZONTAL SLAB EVAPORATOR COILS

SPECIFICATIONS

Model	Nominal Tons	Evap Coil Face Area*	No. of Rows	Connection		Ship Weight (lbs)
				Liquid	Suction	
CSCF1824N6	1½-2	3⅓	3	⅜"	¾"	42
CSCF3036N6	2½-3	4⅔	3	⅜"	7/8"	53
CSCF3642N6	3-3½	5⅔	3	⅜"	7/8"	58
CSCV4860N6	4-5	5⅔	4	⅜"	7/8"	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"	19¾"	24"	
CSCF3036N6	33½"	12"	25"	24"	24"	6"	28"	24"	
CSCF3642N6	39½"	12"	25"	30"	24"	6"	34"	24"	
CSCV4860N6	39½"	12"	25"	30"	24"	6"	34"	24"	

AIRFLOW DATA FOR CA*F

Static Pressure Drop Across Coil, Upflow/Downflow Applications
Air Quantity (SCFM) vs. Pressure Drop (IN. WC)

CA**018A2*	SCFM	400	500	600	700	800	900	1000	1100	1200							
	WET	0.043	0.065	0.092	0.122	0.163	0.211	0.266	0.315	0.365							
	DRY	0.036	0.054	0.077	0.103	0.133	0.167	0.212	0.256	0.303							
CA**018B2*	SCFM	400	500	600	700	800	900	1000	1100	1200							
	WET	0.050	0.064	0.109	0.150	0.190	0.229	0.289	0.320	---							
	DRY	0.034	0.052	0.073	0.097	0.124	0.156	0.179	0.223	0.267							
CA**024A2*	SCFM	400	500	600	700	800	900	1000	1100	1200							
	WET	0.039	0.060	0.086	0.116	0.148	0.189	0.231	0.278	0.320							
	DRY	0.034	0.052	0.073	0.098	0.129	0.163	0.205	0.254	0.293							
CA**025B2*	SCFM	400	500	600	700	800	900	1000	1100	1200							
	WET	0.039	0.073	0.110	0.151	0.198	0.249	0.304	0.369	0.436							
	DRY	0.034	0.055	0.083	0.117	0.153	0.193	0.239	0.285	0.339							
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*F1824B6*	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**036A2*	SCFM	600	700	800	900	1000	1100	1200	1300	1400							
	WET	0.060	0.085	0.115	0.149	0.189	0.236	0.285	0.339	0.395							
	DRY	0.044	0.077	0.107	0.139	0.173	0.211	0.256	0.301	0.347							
CA**036B2*	SCFM	600	700	800	900	1000	1100	1200	1300	1400							
	WET	0.036	0.038	0.054	0.073	0.097	0.124	0.148	0.179	0.212							
	DRY	0.013	0.031	0.045	0.061	0.079	0.102	0.127	0.150	0.176							
CA**036C2*	SCFM	600	700	800	900	1000	1100	1200	1300	1400	1500						
	WET	0.021	0.030	0.045	0.062	0.080	0.101	0.121	0.147	0.172	0.431						
	DRY	0.015	0.026	0.038	0.052	0.069	0.089	0.108	0.128	0.150	0.346						
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	0.322						
	DRY	0.048	0.070	0.090	0.118	0.152	0.186	0.220	0.259	0.300	0.252						
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	0.337						
	DRY	0.028	0.045	0.065	0.086	0.111	0.137	0.164	0.187	0.216	0.264						
CA*F3030D6A*	SCFM	600	700	800	900	1000	1100	1200	1300	1400	1500	1600					
	WET	0.039	0.060	0.090	0.108	0.136	0.168	0.206	0.244	0.288	0.381	0.436					
	DRY	0.030	0.047	0.068	0.089	0.114	0.149	0.167	0.197	0.230	0.285	0.323					
CA*F3131B6A*	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	0.264	0.301					
	DRY	0.018	0.051	0.076	0.099	0.122	0.149	0.180	0.214	0.249	0.216	0.250					
CA*F3131C6A*	SCFM	600	700	800	900	1000	1100	1200	1300	1400	1700	1800	1900				
	WET	0.036	0.048	0.065	0.085	0.106	0.132	0.159	0.190	0.226	0.410	0.460	0.510				
	DRY	0.026	0.038	0.053	0.072	0.092	0.114	0.138	0.161	0.184	0.350	0.390	0.430				
CA*F3636B6A*	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*F3636C6A*	SCFM	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	
	WET	0.047	0.064	0.081	0.101	0.125	0.148	0.176	0.205	0.235	0.300	0.320	0.360	0.400	0.450	0.490	
	DRY	0.042	0.057	0.074	0.091	0.110	0.133	0.156	0.180	0.205	0.230	0.250	0.280	0.310	0.340	0.370	

PRODUCT SPECIFICATIONS

AIRFLOW DATA FOR CA*F (CONT.)

CAP*049C2*	SCFM	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200
	WET	0.070	0.070	0.090	0.110	0.140	0.160	0.180	0.230	0.250	0.250	0.290	0.330	0.370	0.390	0.440
	DRY	0.055	0.060	0.070	0.090	0.110	0.130	0.160	0.180	0.200	0.190	0.210	0.240	0.260	0.290	0.320
CAP*049D2*	SCFM	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200
	WET	0.070	0.070	0.090	0.110	0.130	0.150	0.170	0.200	0.230	0.240	0.270	0.310	0.350	0.400	0.430
	DRY	0.050	0.050	0.070	0.090	0.100	0.120	0.130	0.150	0.170	0.220	0.240	0.270	0.300	0.330	0.370
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	0.190	0.210	0.240	0.270	0.290	0.310
	DRY	0.049	0.060	0.070	0.090	0.110	0.130	0.150	0.170	0.190	0.150	0.160	0.180	0.200	0.220	0.250
CA*F3642D6A*	SCFM	800	900	1000	1100	1200	1300	1400	1500	1600	1900	2000	2100	2200		
	WET	0.055	0.060	0.070	0.080	0.100	0.110	0.120	0.150	0.170	0.390	0.430	0.470	0.510		
	DRY	0.030	0.040	0.050	0.060	0.070	0.090	0.100	0.110	0.130	0.330	0.370	0.410	0.440		
CA*F4860C6A*	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	0.270	0.310	0.340	0.380		
	DRY	0.100	0.120	0.140	0.160	0.190	0.220	0.240	0.270	0.310	0.230	0.250	0.280	0.300		
CA*F4860D6A*	SCFM	1000	1100	1200	1300	1400	1500	1600	1700	1800						
	WET	0.070	0.090	0.110	0.120	0.150	0.170	0.190	0.220	0.240						
	DRY	0.060	0.080	0.090	0.110	0.120	0.140	0.160	0.180	0.210						

AIRFLOW DATA FOR CHPF

Static Pressure Drop Across Coil, Horizontal Right Applications
Air Quantity (SCFM) vs. Pressure Drop (IN. WC)

CHP*024A2*	SCFM	400	500	600	700	800	900	1000	1100	1175								
	WET	0.042	0.064	0.110	0.123	0.161	0.204	0.256	0.310	0.355								
	DRY	0.034	0.053	0.076	0.104	0.136	0.173	0.216	0.262	0.318								
CHP*025B2*	SCFM	400	500	600	700	800	900	1000	1100	1200								
	WET	0.008	0.023	0.042	0.065	0.092	0.120	0.154	0.186	0.224								
	DRY	0.001	0.016	0.034	0.055	0.080	0.108	0.137	0.172	0.208								
CHPF1824A6*	SCFM	600	700	800	900	1000	1100	1200	1300	1400	1500	1600						
	WET	0.082	0.129	0.172	0.222	0.277	0.331	0.406	0.472	0.555	0.641	---						
	DRY	0.076	0.115	0.156	0.199	0.252	0.304	0.364	0.428	0.513	---	---						
CHP*036B2*	SCFM	600	700	800	900	1000	1100	1200	1300	1400	1500	1600						
	WET	0.024	0.041	0.061	0.082	0.104	0.130	0.159	0.191	0.225	0.262	---						
	DRY	0.024	0.041	0.058	0.078	0.102	0.125	0.154	0.186	0.219		---						
CHPF2430B6*	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						
CHPF3642C6*	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						
CHPF3642D6*	SCFM	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	SCFM	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	WET	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	DRY	0.250	0.280	0.310	0.340	
CHPF4860D6*	SCFM	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	SCFM	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	WET	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	DRY	0.330	0.370	0.400		

NOTE: For horizontal left applications, reduce airflow 3%



Goodman Manufacturing Company, L.P., reserves the right to discontinue, or change at any time, specifications or designs without notice or without incurring obligations.

Copyright © 2007 • Goodman Manufacturing Company, L.P. • Houston, Texas • Printed in the USA.