



Air Conditioning & Heating



CAUF
Uncased



CAPF
Cased



CHPF
Horizontal "A"



CSCF
Horizontal Slab

PRODUCT SPECIFICATIONS

CAPF, CAUF, CHPF, AND CSCF DUAL-REFRIGERANT SERIES

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



Goodman® brand 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 flowrater expansion device for heat pump or cooling-only applications
- Rifled copper tubing and corrugated or wave pattern aluminum fin coils

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 (TX3N2, TX5N2, TX3N4, or TX5N4)
- Field-installed High-Temperature Drain Pan Kits; maximum temperature rating is 400°F

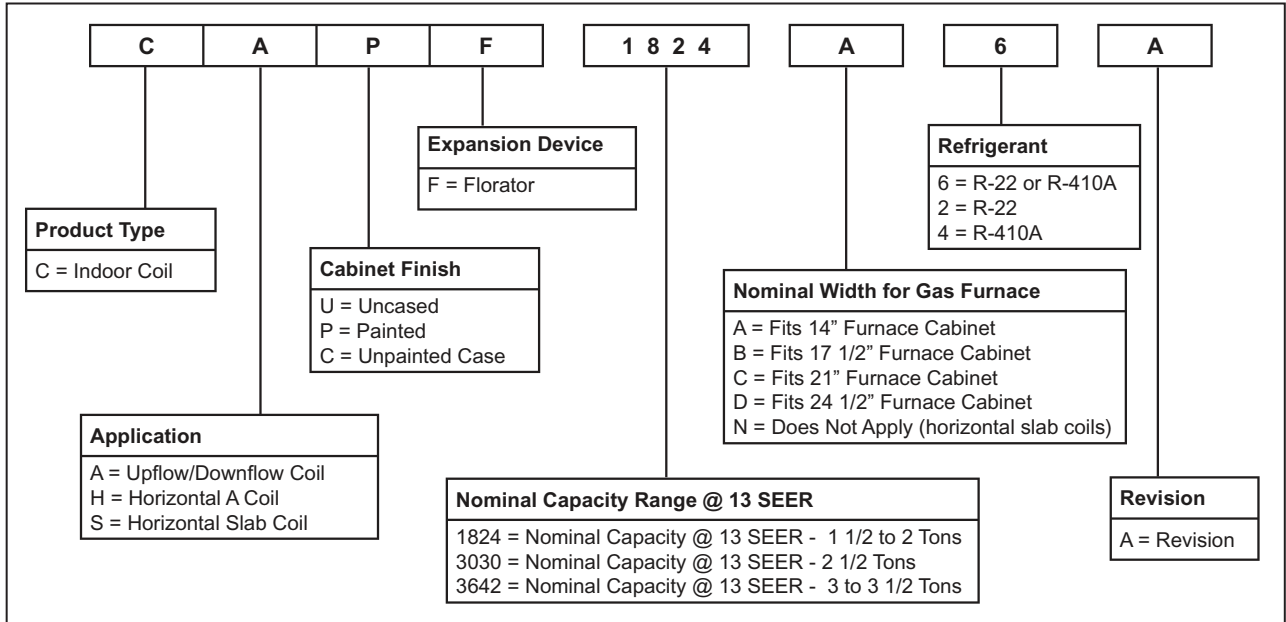
NOTE: DO NOT USE THESE COILS ON OIL FURNACES OR ANY APPLICATIONS WHERE THE TEMPERATURE ON THE DRAIN PAN MAY EXCEED 300°F.

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.



PRODUCT SPECIFICATIONS

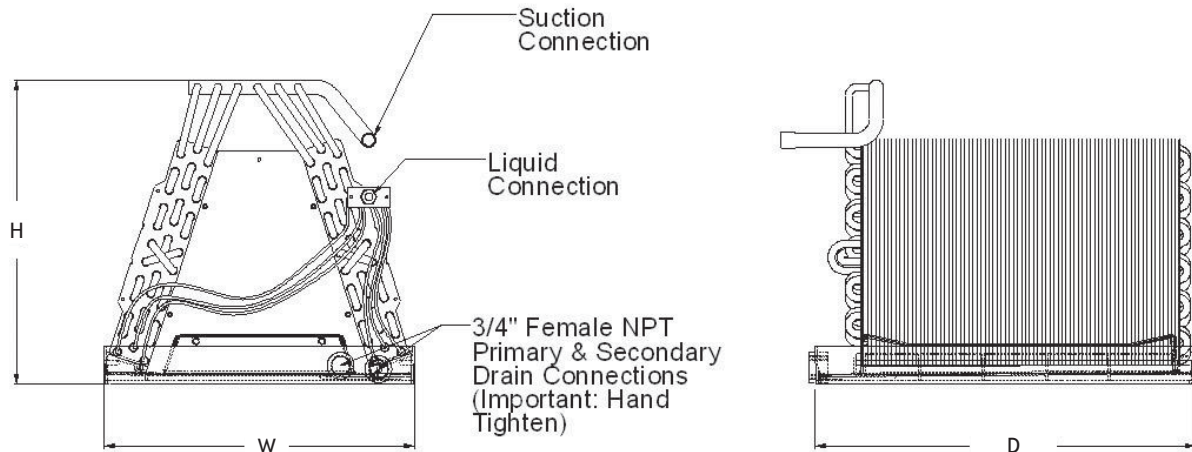
NOMENCLATURE



CAUF—UNCASED UPFLOW/DOWNFLOW INDOOR COILS

Model	Dimensions			Nominal Tons	Coil Height & Width	# of Rows	Connection		Ship Weight (lbs)
	W	D	H				Liquid	Suction	
CAUF1824A6A	13"	20½"	18⅛"	1½-2	14" x 16¾"	3	⅜"	¾"	24
CAUF1824B6A	16½"	20½"	20"	1½-2	16" x 16¾"	3	⅜"	¾"	31
CAUF1824B6BA	16½"	20½"	16⅛"	2	14" x 16¾"	3	⅜"	¾"	24
CAUF1824C6A	20"	20½"	17¼"	1½-2	14" x 16¾"	3	⅜"	¾"	31
CAUF3030A6A	13"	20½"	20"	2½	16" x 16¾"	3	⅜"	¾"	24
CAUF3030B6A	16½"	20½"	20"	2½	16" x 16¾"	3	⅜"	¾"	31
CAUF3030C6A	20"	20½"	18"	2½	16" x 16¾"	3	⅜"	¾"	43
CAUF3030D6A	23"	20½"	17¾"	2½	16" x 16¾"	3	⅜"	¾"	44
CAUF3131B6A	16½"	20½"	19 ¹⁵ / ₁₆ "	2½	18" x 16¾"	3	⅜"	¾"	43
CAUF3131C6BA	20	20½"	21 ⁴ / ₉ "	2½	18" x 16¾"	3	⅜"	¾"	43
CAUF3131C6A	20"	20½"	23¾"	2½	20" x 16¾"	3	⅜"	⅞"	44
CAUF3636A6A	13"	20½"	24⅛"	3	22" x 16¾"	3	⅜"	⅞"	40
CAUF3636B6A	16½"	20½"	23 ¹⁵ / ₁₆ "	3	22" x 16¾"	3	⅜"	⅞"	44
CAUF3636C6A	20"	20½"	23½"	3	22" x 16¾"	3	⅜"	⅞"	44
CAUF3636D6A	23"	20½"	31"	3	22" x 16¾"	3	⅜"	⅞"	55
CAUF3642C6A	20"	20½"	27 ¹⁵ / ₁₆ "	3-3½	26" x 16¾"	3	⅜"	⅞"	55
CAUF3642D6A	23"	20½"	27¾"	3-3½	26" x 16¾"	4	⅜"	⅞"	60
CAUF3642D6AB	23"	20½"	28¼"	3.5	26" x 16¾"	3	⅜"	⅞"	55
CAUF4860C6A	20"	20½"	27 ¹⁵ / ₁₆ "	4-5	26" x 16¾"	4	⅜"	⅞"	55
CAUF4860D6A	23"	20½"	27¾"	4-5	26" x 16¾"	4	⅜"	⅞"	60

DIMENSIONS

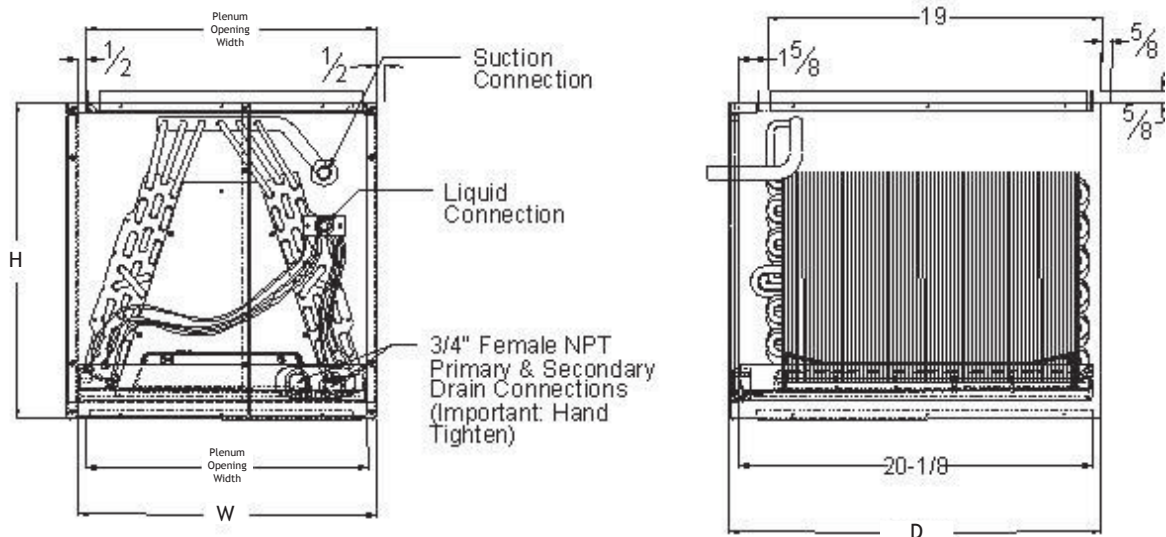


PRODUCT SPECIFICATIONS

CAPF—CASED UPFLOW/DOWNFLOW INDOOR COILS

Model	Dimensions			Plenum Opening Width	Evap Coil Face Area (ft ²)	Coil Height & Width	Nominal Tons	No. of Rows	Connection		Ship Weight (lbs)
	W	D	H						Liquid	Suction	
CAPF1824A6A	14"	21"	18"	13"	3 ³ / ₄	14" x 16 ³ / ₄ "	1½-2	3	3⁄8"	3⁄4"	38
CAPF1824B6A	17½"	21"	22"	16½"	3 ⁵ / ₇	16" x 16 ³ / ₄ "	1½-2	3	3⁄8"	3⁄4"	42
CAPF1824B6BA	17½"	21"	18"	16½"	3 ³ / ₄	14" x 16 ³ / ₄ "	2	3	3⁄8"	3⁄4"	42
CAPF1824C6A	21"	21"	22"	20"	3 ³ / ₄	14" x 16 ³ / ₄ "	1½-2	3	3⁄8"	3⁄4"	48
CAPF3030A6A	14"	21"	22"	13"	3 ³ / ₄	16" x 16 ³ / ₄ "	2½	3	3⁄8"	3⁄4"	40
CAPF3030B6A	17½"	21"	22"	16½"	3 ³ / ₄	16" x 16 ³ / ₄ "	2½	3	3⁄8"	3⁄4"	48
CAPF3030C6A	21"	21"	22"	20"	3 ³ / ₄	16" x 16 ³ / ₄ "	2½	3	3⁄8"	3⁄4"	60
CAPF3030D6A	24½"	21"	22"	23½"	3 ³ / ₄	16" x 16 ³ / ₄ "	2½	3	3⁄8"	3⁄4"	60
CAPF3131B6A	17½"	21"	22"	16½"	4 ¹ / ₅	18" x 16 ³ / ₄ "	2½	3	3⁄8"	3⁄4"	60
CAPF3131C6A	21"	21"	26"	20"	4 ² / ₅	20" x 16 ³ / ₄ "	2½	3	3⁄8"	7⁄8"	65
CAPF3131C6BA	21"	21"	22"	20"	4 ¹ / ₅	18" x 16 ³ / ₄ "	2½	3	3⁄8"	3⁄4"	60
CAPF3636A6A	14"	21"	26"	13"	5⁄8	22" x 16 ³ / ₄ "	3	3	3⁄8"	7⁄8"	48
CAPF3636B6A	17½"	21"	26"	16½"	5⁄8	22" x 16 ³ / ₄ "	3	3	3⁄8"	7⁄8"	55
CAPF3636C6A	21"	21"	26"	20"	5⁄8	22" x 16 ³ / ₄ "	3	3	3⁄8"	7⁄8"	65
CAPF3636D6A	24½"	21"	26"	23½"	5⁄8	22" x 16 ³ / ₄ "	3	3	3⁄8"	7⁄8"	60
CAPF3642C6A	21"	21"	30"	20"	6	26" x 16 ³ / ₄ "	3-3½	3	3⁄8"	7⁄8"	61
CAPF3642D6A	24½"	21"	30"	23½"	6	26" x 16 ³ / ₄ "	3-3½	4	3⁄8"	7⁄8"	75
CAPF3642D6AB	24½"	21"	30"	23½"	6	26" x 16 ³ / ₄ "	3-3½	3	3⁄8"	7⁄8"	68
CAPF4860C6A	21"	21"	30"	20"	6	26" x 16 ³ / ₄ "	4-5	4	3⁄8"	7⁄8"	68
CAPF4860D6A	24½"	21"	30"	23½"	6	26" x 16 ³ / ₄ "	4-5	4	3⁄8"	7⁄8"	75

DIMENSIONS

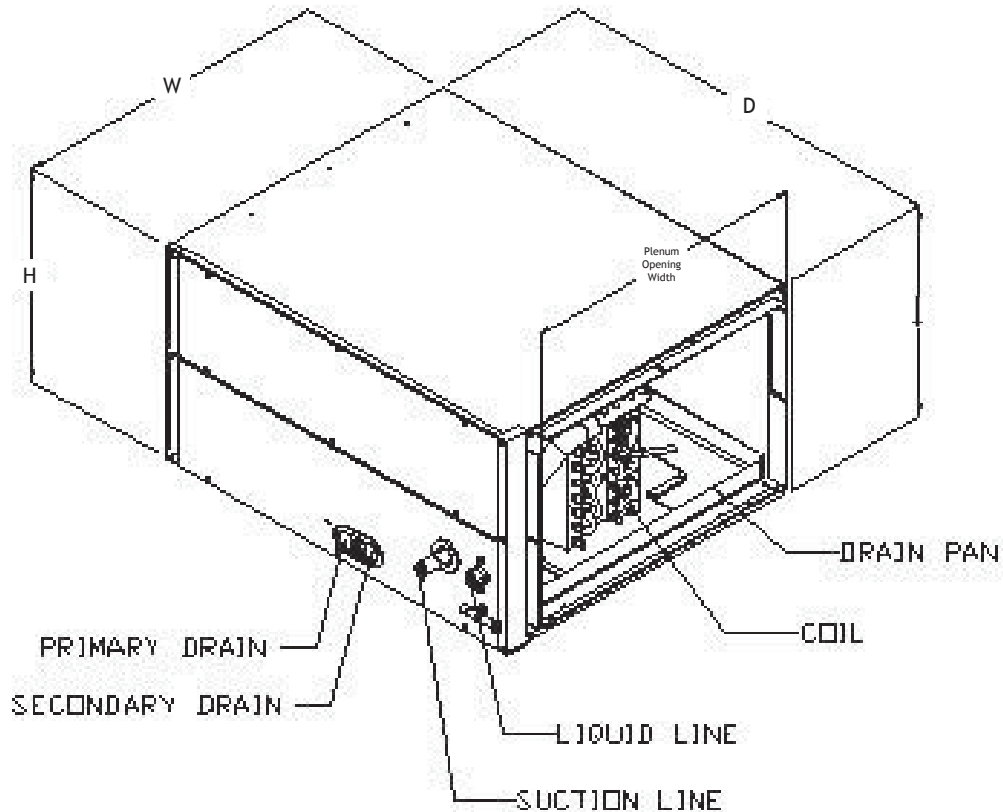


CHPF—CASED HORIZONTAL “A” INDOOR COIL

Model	Dimensions (Cabinet)			Plenum Opening Width	Nominal Tons	Evap Coil Face Area (ft ²)	Coil Height & Width	No. of Rows	Connection		Ship Weight (lbs)
	W	D	H						Liquid	Suction	
CHPF1824A6A	21 $\frac{1}{8}$ "	26"	14"	19"	1 $\frac{1}{2}$ -2	3 $\frac{1}{3}$	12" x 20 $\frac{1}{8}$ "	3	$\frac{3}{8}$ "	$\frac{3}{4}$ "	40
CHPF2430B6A	21 $\frac{1}{8}$ "	26"	17 $\frac{1}{2}$ "	19"	2-2 $\frac{1}{2}$	4 $\frac{1}{2}$	16" x 20 $\frac{1}{8}$ "	3	$\frac{3}{8}$ "	$\frac{3}{4}$ "	60
CHPF3636B6A *	21 $\frac{1}{8}$ "	26"	17 $\frac{1}{2}$ "	19"	3	4 $\frac{1}{3}$	16" x 19 $\frac{1}{2}$ "	4	$\frac{3}{8}$ "	$\frac{7}{8}$ "	55
CHPF3642C6A	21 $\frac{1}{8}$ "	26"	21"	19"	3-3 $\frac{1}{2}$	4 $\frac{1}{3}$	16" x 19 $\frac{1}{2}$ "	4	$\frac{3}{8}$ "	$\frac{7}{8}$ "	65
CHPF3642D6A	21 $\frac{1}{8}$ "	26"	24 $\frac{1}{2}$ "	19"	3-3 $\frac{1}{2}$	6	22" x 19 $\frac{1}{2}$ "	3	$\frac{3}{8}$ "	$\frac{7}{8}$ "	65
CHPF4860D6A	21 $\frac{1}{8}$ "	26"	24 $\frac{1}{2}$ "	19"	4-5	6	22" x 19 $\frac{1}{2}$ "	4	$\frac{3}{8}$ "	$\frac{7}{8}$ "	70

* Available Second Quarter

DIMENSIONS



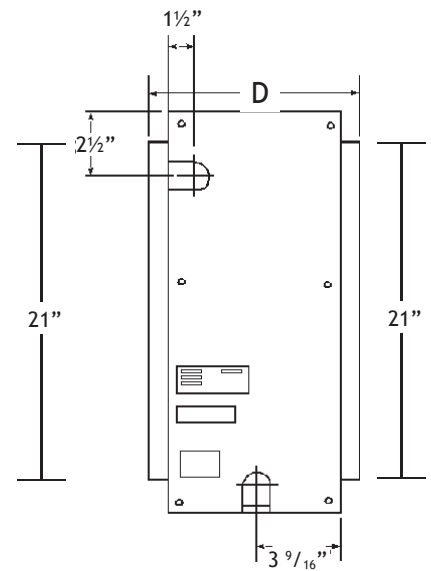
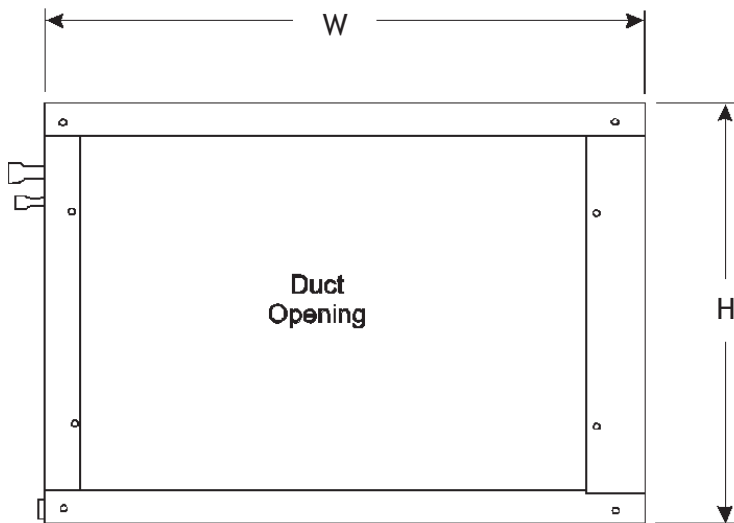
NOTE: All air opening flanges are 0.6250".

PRODUCT SPECIFICATIONS

CSCF—HORIZONTAL SLAB EVAPORATOR COILS

Model	Dimensions (Cabinet)			Plenum Opening width	Nominal Tons	Evap Coil Face Area (ft ²)	Coil Height & Width	No. of Rows	Connection		Ship Weight (lbs)
	W	D	H						Liquid	Suction	
CSCF1824N6A	25½"	12"	25"	16"	1½-2	3.29	24" x 19¾"	3	⅜"	¼"	42
CSCF3036N6A	33½"	12"	25"	24"	2½-3	4.67	24" x 28"	3	⅜"	⅞"	53
CSCF3642N6A	39½"	12"	25"	30"	3-3½	5.67	24" x 34"	3	⅜"	⅞"	58
CSCF4860N6A	39½"	12"	25"	30"	4-5	5.67	24" x 34"	4	⅜"	⅞"	65

DIMENSIONS



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					
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	0.290	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																		

PRODUCT SPECIFICATIONS

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%

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



Air Conditioning & Heating

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