



Air Conditioning & Heating

CAPF, CAUF and CHPF SERIES

**Cased, Painted, Upflow/
Downflow Uncased, Upflow/
Downflow and Horizontal "A"
Indoor Coils with Flowraters**



Uncased



Cased



Horizontal "A" Coil



The CAPF, CAUF and CHPF flowrater coils are designed to fit Goodman® brand gas furnaces and modular, two-piece blowers.

Standard Features

- Rust-resistant, high-temperature thermoplastic drain pans feature a low water retention design
- Check flowrater expansion device for heat pump or cooling only applications
- Field-installed Thermal Expansion Valve Kits are available
- Rifled copper tubing and wave pattern aluminum fin coils

Cased Coil Cabinet Construction

- Foil-face insulation
- Galvanized leather-grain finish and high-quality post-paint models are available
- Split-seam front—excellent access

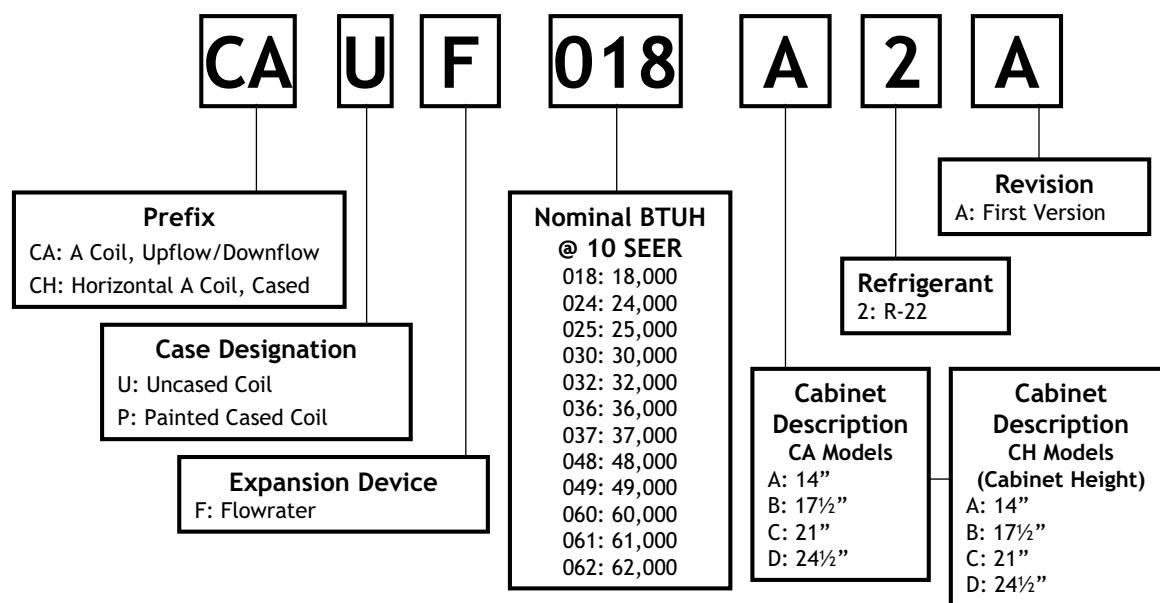
Accessories

- Field-Installed Expansion Valve Kits (TX3N2 or TX5N2)
- Field-Installed High-Temperature Drain Pan Kits (HTP-A for 14" furnaces; HTP-B for 17½" furnaces; HTP-C for 21" furnaces; HTP-D for 24½" furnaces)

NOTE: DO NOT USE THIS COIL 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 a field-installed accessory.



Nomenclature



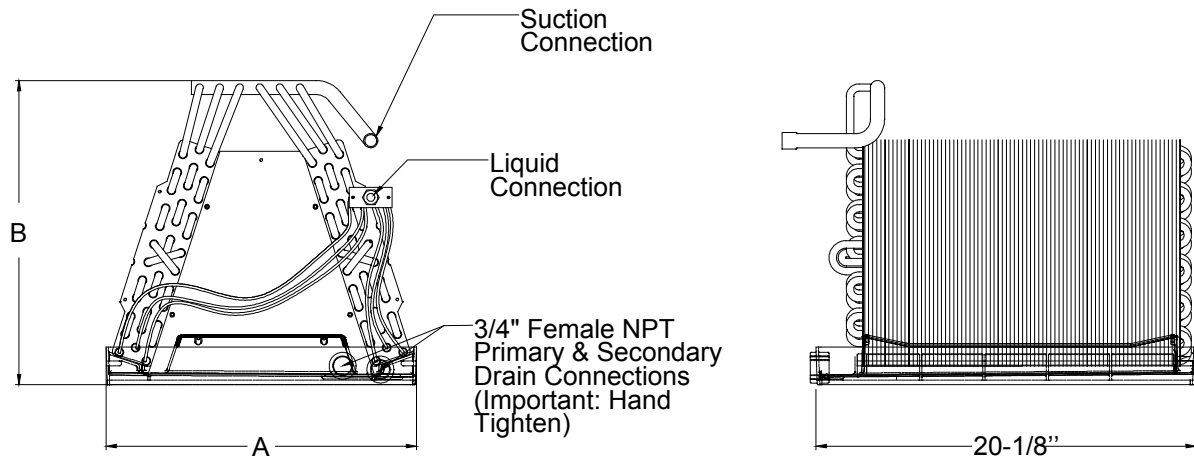
Accessories

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** and CH** coils and AR** 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** and CH** coils and AR** air handlers

CAUF—Uncased Upflow/Downflow Indoor Coils

Model	Dimensions		Specifications				Ship Weight (lbs)
	Width (A)	Height (B)	Nominal Tons	No. of Rows	Liquid Connection	Suction Connection	
CAUF018A2*	13"	16¼"	1½	2	3/8"	5/8"	18
CAUF024A2*	13"	16-1/8"	2	2	3/8"	3/4"	21
CAUF030A2*	13"	18-1/8"	2½	3	3/8"	3/4"	24
CAUF036A2A	13"	20"	3	3	3/8"	3/4"	31
CAUF036A2B	13"	20"	3	2	3/8"	3/4"	30
CAUF018B2*	16½"	16-1/8"	1½	2	3/8"	5/8"	18
CAUF025B2*	16½"	16¼"	2	3	3/8"	3/4"	21
CAUF030B2*	16½"	16-1/8"	2½	3	3/8"	3/4"	24
CAUF030C2*	20"		2½	3	3/8"	3/4"	31
CAUF030B4*	16½"	20"	2½	3	3/8"	3/4"	31
CAUF036B2A	16½"	20"	3	3	3/8"	3/4"	31
CAUF036B2B	16½"	20"	3	2	3/8"	3/4"	31
CAUF036B4*	16½"	19-15/16"	3	3	3/8"	3/4"	43
CAUF036C2*	20"	20"	3	2	3/8"	3/4"	34
CAUF037B2*	16½"	20"	3	3	3/8"	3/4"	31
CAUF037C2A	20"	18"	3	3	3/8"	3/4"	43
CAUF037D2*	23"		3	3	3/8"	3/4"	44
CAUF042B2*	16½"	19-15/16"	3½	3	3/8"	3/4"	43
CAUF048B2*	16½"	23-15/16"	4	3	3/8"	7/8"	44
CAUF042C2*	20"	21-7/16"	3½	3	3/8"	3/4"	43
CAUF042C4*	20"	23¾"	3½	3	3/8"	7/8"	44
CAUF048C2*	20"	23½"	4	3	3/8"	7/8"	44
CAUF048C4*	20"	23½"	4	3	3/8"	7/8"	44
CAUF049C2*	20"	23¾"	4	3	3/8"	7/8"	44
CAUF060C2*	20"	27-15/16"	5	3	3/8"	7/8"	55
CAUF061C2*	20"	27-15/16"	5	4	3/8"	7/8"	55
CAUF049D2*	23"	23¾"	4	3	3/8"	7/8"	44
CAUF057D4*	23"	28¼"	5	3	3/8"	7/8"	55
CAUF060D2*	23"	28¼"	5	3	3/8"	7/8"	55
CAUF060D4*	23"	27¾"	5	4	3/8"	7/8"	60
CAUF061D2*	23"	27¾"	5	4	3/8"	7/8"	60

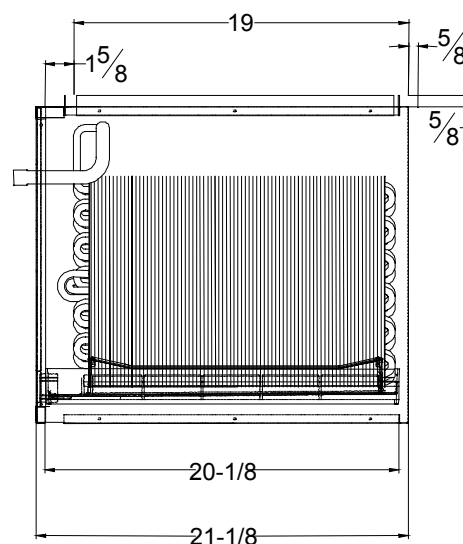
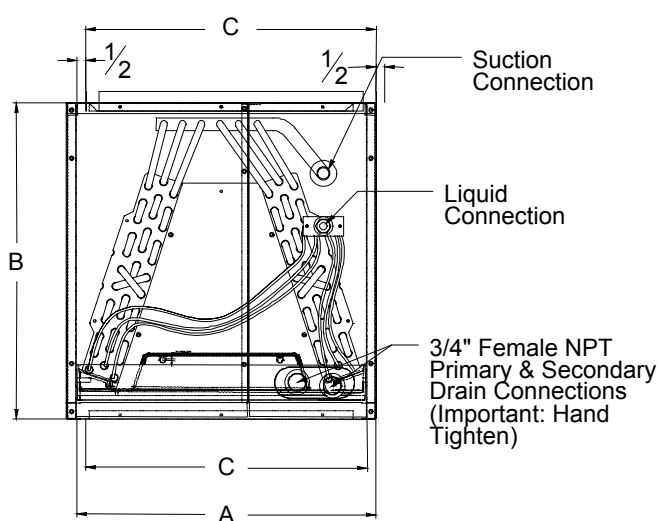
* Revision designator; see Nomenclature on page 2 for details.



PRODUCT SPECIFICATIONS

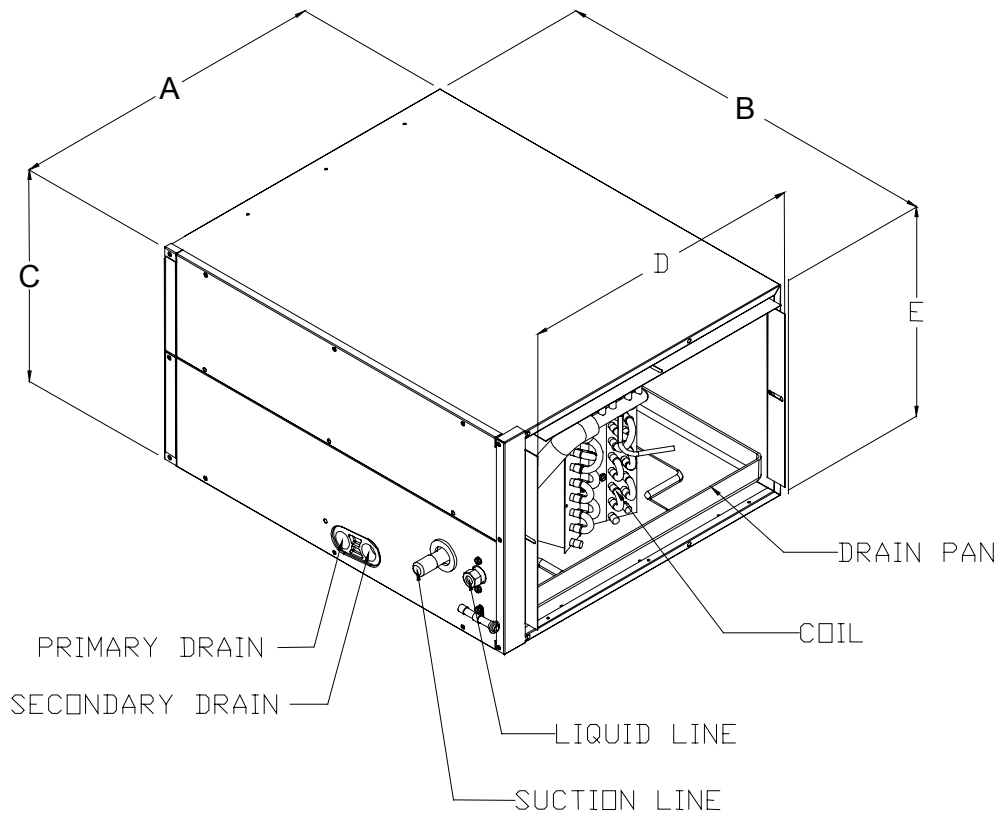
CAPF—Cased Upflow/Downflow Indoor Coils

Model	Dimensions		Plenum Opening Width (C)	Specifications				Ship Weight (lbs)
	Width (A)	Height (B)		Nominal Tons	No. of Rows	Liquid Connection	Suction Connection	
CAPF018A2*	14"	18"	13"	1½	2	3/8"	5/8"	31
CAPF018B2*	17½"	18"	16½"	1½	2	3/8"	5/8"	33
CAPF024A2*	14"	18"	13"	2	2	3/8"	3/4"	33
CAPF025B2*	17½"	18"	16½"	2	3	3/8"	3/4"	35
CAPF030A2*	14"	18"	13"	2½	3	3/8"	3/4"	38
CAPF030B2*	17½"	18"	16½"	2½	3	3/8"	3/4"	42
CAPF030B4*	17½"	22"	16½"	2½	3	3/8"	3/4"	48
CAPF030C2*	21"	22"	20"	2½	3	3/8"	3/4"	48
CAPF036A2*	14"	22"	13"	3	2	3/8"	3/4"	38
CAPF036B2A	17½"	22"	16½"	3	3	3/8"	3/4"	48
CAPF036B2B/C	17½"	22"	16½"	3	2	3/8"	3/4"	48
CAPF036B4*	17½"	22"	16½"	3	3	3/8"	3/4"	60
CAPF036C2A	21"	26"	20"	3	3	3/8"	3/4"	55
CAPF036C2B/C	21"	26"	20"	3	2	3/8"	3/4"	55
CAPF036C2D	21"	22"	20"	3	2	3/8"	3/4"	48
CAPF037B2*	17½"	22"	16½"	3	3	3/8"	3/4"	48
CAPF037C2A	21"	26"	20"	3	3	3/8"	3/4"	55
CAPF037C2B	21"	22"	20"	3	3	3/8"	3/4"	60
CAPF037D2*	24½"	22"	23½"	3	3	3/8"	3/4"	60
CAPF042B2*	17½"	22"	16½"	3½	3	3/8"	3/4"	60
CAPF042C2*	21"	26"	20"	3½	3	3/8"	3/4"	65
CAPF042C2D	21"	22"	20"	3½	3	3/8"	3/4"	60
CAPF042C4*	21"	26"	20"	3½	3	3/8"	7/8"	57
CAPF048B2*	17½"	22"	16½"	4	3	3/8"	7/8"	55
CAPF048C2A	21"	26"	20"	4	3	3/8"	7/8"	65
CAPF048C4*	21"	26"	20"	4	3	3/8"	7/8"	65
CAPF049C2*	21"	26"	20"	4	3	3/8"	7/8"	57
CAPF049D2*	24½"	26"	23½"	4	3	3/8"	7/8"	58
CAPF057D4*	24½"	30"	23½"	5	3	3/8"	7/8"	68
CAPF060C2*	21"	30"	20"	5	3	3/8"	7/8"	61
CAPF060D2*	24½"	30"	23½"	5	3	3/8"	7/8"	68
CAPF060D4*	24½"	30"	23½"	5	4	3/8"	7/8"	75
CAPF061C2*	21"	30"	20"	5	4	3/8"	7/8"	68
CAPF061D2*	24½"	30"	23½"	5	4	3/8"	7/8"	75



CHPF—Cased Horizontal “A” Indoor Coil

Model	Dimensions			Plenum Opening		Evap Coil Face Area (ft ²)	Specifications					Ship Weight (lbs)
	Width (A)	Depth (B)	Height (C)	Width (D)	Height (E)		No. of Rows	Fins / Inch	Primary Auxiliary Drain	Liquid Connection	Suction Connection	
CHPF024A2*	21-1/8"	26"	14"	19"	13"	3.33	2	14	3/4"	3/8"	3/4"	40
CHPF025B2*	21-1/8"	26"	17 1/2"	19"	16 1/2"	3.56	2	14	3/4"	3/8"	3/4"	48
CHPF030A2*	21-1/8"	26"	14"	19"	13"	3.33	3	14	3/4"	3/8"	3/4"	45
CHPF030A4*	21-1/8"	26"	14"	19"	13"	3.33	3	14	3/4"	3/8"	3/4"	45
CHPF036B2*	21-1/8"	26"	17 1/2"	19"	16 1/2"	4.44	2	14	3/4"	3/8"	3/4"	50
CHPF036B4*	21-1/8"	26"	17 1/2"	19"	16 1/2"	4.44	3	14	3/4"	3/8"	3/4"	55
CHPF042B2*	21-1/8"	26"	17 1/2"	19"	16 1/2"	4.44	3	14	3/4"	3/8"	3/4"	55
CHPF048C2*	21-1/8"	26"	21"	19"	20"	4.88	3	14	3/4"	3/8"	7/8"	60
CHPF048D2*	21-1/8"	26"	24 1/2"	19"	23 1/2"	5.96	3	14	3/4"	3/8"	7/8"	65
CHPF048D4*	21-1/8"	26"	24 1/2"	19"	23 1/2"	5.96	3	14	3/4"	3/8"	7/8"	65
CHPF060D2*	21-1/8"	26"	24 1/2"	19"	23 1/2"	5.96	4	14	3/4"	3/8"	7/8"	70
CHPF060D4*	21-1/8"	26"	24 1/2"	19"	23 1/2"	5.96	4	14	3/4"	3/8"	7/8"	70



NOTE: All air opening flanges are 0.6250".

PRODUCT SPECIFICATIONS

Air Flow Data

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**030A2*	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**030B2*	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**030C2*	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
CAP*037B2*	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
CAP*037C2*	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

* Revision designator; see Nomenclature on page 2 for details.

Air Flow Data (cont.)

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

CAP*037D2*	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						
CAC*042B2*	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**042C2*	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**048B2*	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**048C2*	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	0.250	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**060C2*	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**060D2*	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**061C2*	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**061D2*	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								

* Revision designator; see Nomenclature on page 2 for details.

PRODUCT SPECIFICATIONS

Air Flow Data (cont.)

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											
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											
CHP*030A2*	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	---	---								
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	---	---								
CHP*042B2*	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	0.4643									
CHP*048C2*	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									
CHP*048D2*	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					
CHP*060D2*	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 Air Flow 3%

* Nominal CFM; Revision designator; see Nomenclature on page 2 for details.



Air Conditioning & Heating

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