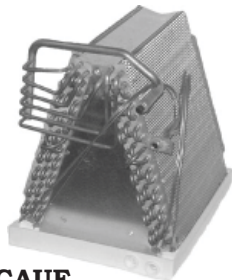




Air Conditioning & Heating



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

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



PRODUCT SPECIFICATIONS

NOMENCLATURE

C	A	P	F	1	8	2	4	A	6	A
Product Type C = Indoor Coil	Application A = Upflow/Downflow Coil H = Horizontal A Coil S = Horizontal Slab Coil	Cabinet Finish U = Uncased P = Painted C = Unpainted Case	Expansion Device F = Florator					Refrigerant 6 = R-22 or R-410A 2 = R-22 4 = R-410A	Nominal Width for Gas Furnace A = Fits 14" Furnace Cabinet B = Fits 17½" Furnace Cabinet C = Fits 21" Furnace Cabinet D = Fits 24½" Furnace Cabinet N = Does Not Apply (horizontal slab coils)	Revision A = Revision

Nominal Capacity Range @ 13 SEER

1824 = Nominal Capacity @ 13 SEER - 1½ to 2 T

3030 = Nominal Capacity @ 13 SEER - 2½ T

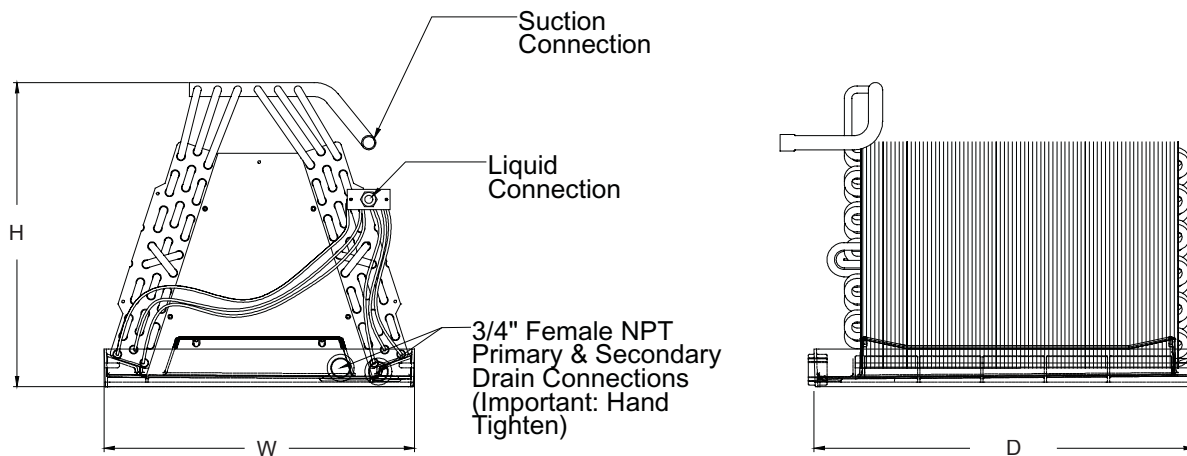
3642 = Nominal Capacity @ 13 SEER - 3 to 3½ T

CAUF—UNCASED UPFLOW/DOWNFLOW INDOOR COILS

Model	Dimensions (Cabinet)			Nominal Tons	Coil Height & Width	No. of Rows	Connection		Ship Weight (lbs)
	W	D	H				Liquid	Suction	
CAUF1824A6A	13"	20½"	18⅞"	1½-2	14" x 16¾"	3	⅜"	¼"	24
CAUF1824B6A	16½"	20½"	20"	1½-2	16" x 16¾"	3	⅜"	¼"	31
CAUF1824C6A	20"	20½"	17¼"	1½-2	14" x 16¾"	3	⅜"	¼"	31
CAUF3030A6A *	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD
CAUF3030B6A	16½"	20½"	20"	2½	14" x 16¾"	3	⅜"	¼"	31
CAUF3030C6A	20"	20½"	18"	2½	14" x 16¾"	3	⅜"	¼"	43
CAUF3030D6A	23"	20½"	17⅞"	2½	14" x 16¾"	3	⅜"	¼"	44
CAUF3131B6A	16½"	20½"	19 ¹⁵ / ₁₆ "	2½	18" x 16¾"	3	⅜"	¼"	43
CAUF3131C6A	20"	20½"	23¾"	2½	20" x 16¾"	3	⅜"	⅞"	44
CAUF3636A6A *	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD
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 *	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD
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
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

* Available Second Quarter

DIMENSIONS



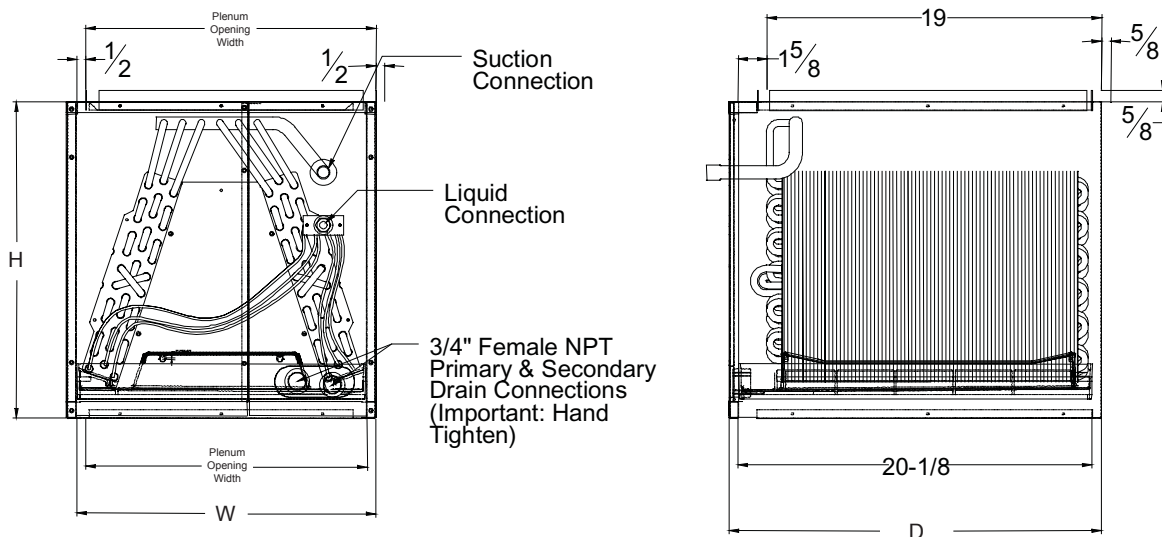
PRODUCT SPECIFICATIONS

CAPF—CASED UPFLOW/DOWNFLOW INDOOR 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	
CAPF1824A6A	14"	21"	18"	13"	1½-2	19 ⁴ / ₇	14" x 16 ³ / ₄ "	3	⅝"	¼"	38
CAPF1824B6A	17½"	21"	22"	16½"	1½-2	22 ¹ / ₃	16" x 16 ³ / ₄ "	3	⅝"	¼"	42
CAPF1824C6A *	21"	21"	22"	20"	1½-2	19 ⁴ / ₇	14" x 16 ³ / ₄ "	3	⅝"	¼"	48
CAPF3030A6A	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD
CAPF3030B6A	17½"	21"	22"	16½"	2½	22 ¹ / ₃	14" x 16 ³ / ₄ "	3	⅝"	¼"	48
CAPF3030C6A	21"	21"	22"	20"	2½	22 ¹ / ₃	14" x 16 ³ / ₄ "	3	⅝"	¼"	60
CAPF3030D6A	24½"	21"	22"	23½"	2½	22 ¹ / ₃	14" x 16 ³ / ₄ "	3	⅝"	¼"	60
CAPF3131B6A	17½"	21"	22"	16½"	2½	25 ¹ / ₆	18" x 16 ³ / ₄ "	3	⅝"	¼"	60
CAPF3131C6A	21"	21"	26"	20"	2½	27 ¹⁵ / ₁₆	20" x 16 ³ / ₄ "	3	⅝"	⅞"	65
CAPF3636A6A *	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD
CAPF3636B6A	17½"	21"	26"	16½"	3	30 ³ / ₄	22" x 16 ³ / ₄ "	3	⅝"	⅞"	55
CAPF3636C6A	21"	21"	26"	20"	3	30 ³ / ₄	22" x 16 ³ / ₄ "	3	⅝"	⅞"	65
CAPF3636D6A *	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD
CAPF3642C6A	21"	21"	30"	20"	3-3½	36 ¹ / ₃	26" x 16 ³ / ₄ "	3	⅝"	⅞"	61
CAPF3642D6A	24½"	21"	30"	23½"	3-3½	36 ¹ / ₃	26" x 16 ³ / ₄ "	4	⅝"	⅞"	75
CAPF4860C6A	21"	21"	30"	20"	4-5	36 ¹ / ₃	26" x 16 ³ / ₄ "	4	⅝"	⅞"	68
CAPF4860D6A	24½"	21"	30"	23½"	4-5	36 ¹ / ₃	26" x 16 ³ / ₄ "	4	⅝"	⅞"	75

* Available Second Quarter

DIMENSIONS

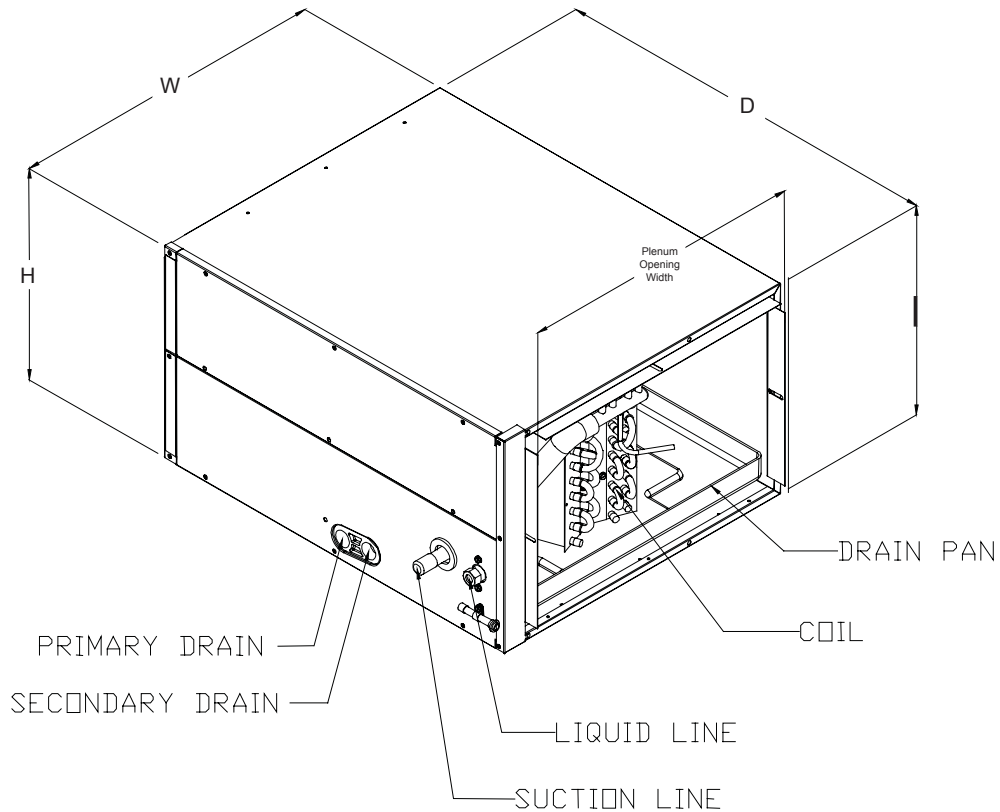


CHPF—CASED HORIZONTAL “A” INDOOR COIL

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	3.35	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 $\frac{1}{2}$	4.47	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	4.33	16" x 19 $\frac{1}{2}$ "	4	$\frac{3}{8}$ "	$\frac{7}{8}$ "	55
CHPF3642C6A	21 $\frac{1}{8}$ "	26"	21"	19"	3-3 $\frac{1}{2}$	4.33	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 $\frac{1}{2}$	5.96	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	5.96	22" x 19 $\frac{1}{2}$ "	4	$\frac{3}{8}$ "	$\frac{7}{8}$ "	70

* Available Second Quarter

DIMENSIONS



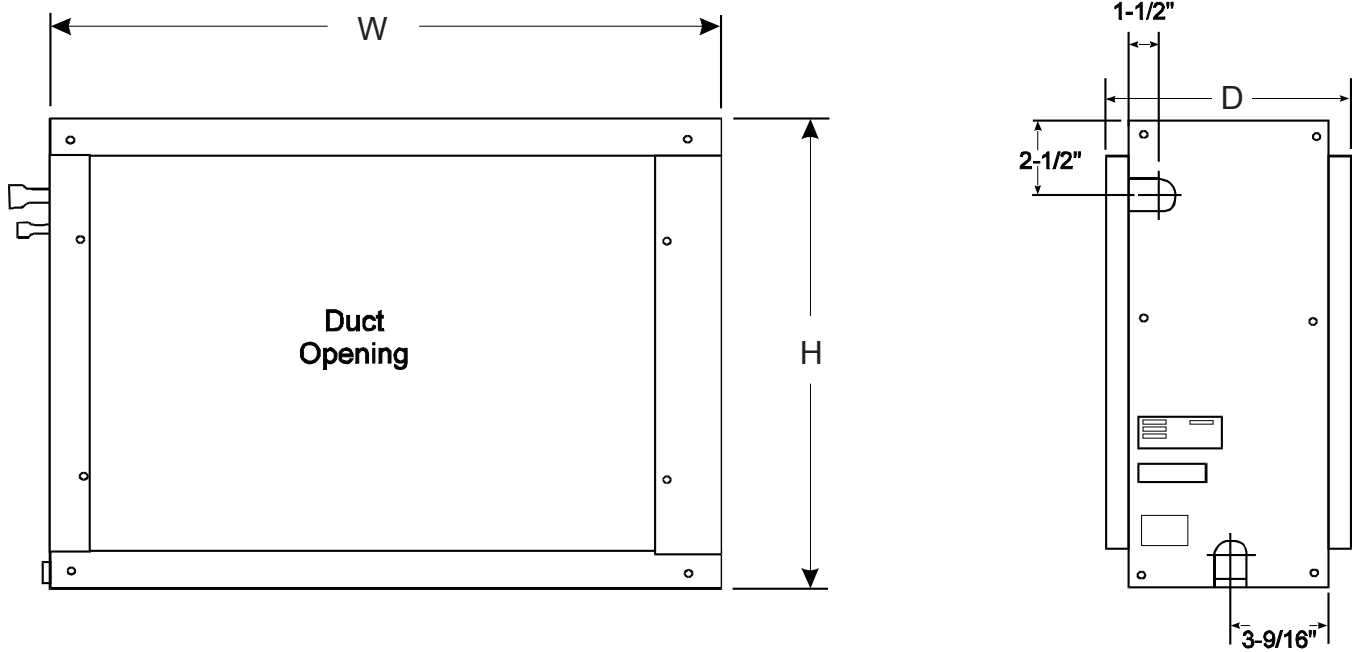
NOTE: All air opening flanges are 0.6250".

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



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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