

CA and CH SERIES

Cased/Uncased, Upflow/Downflow Horizontal “A” Indoor Coils



Painted Cased



Horizontal “A” Coil



Uncased



Standard Features

- No rust high temperature thermoplastic drain pans feature a low water retention design
- Available with check flowwater expansion device or check thermal expansion valve for heat pump or cooling only applications
- Rifled copper tubing and wave pattern aluminum fin coils

Cased Coil Cabinet Construction

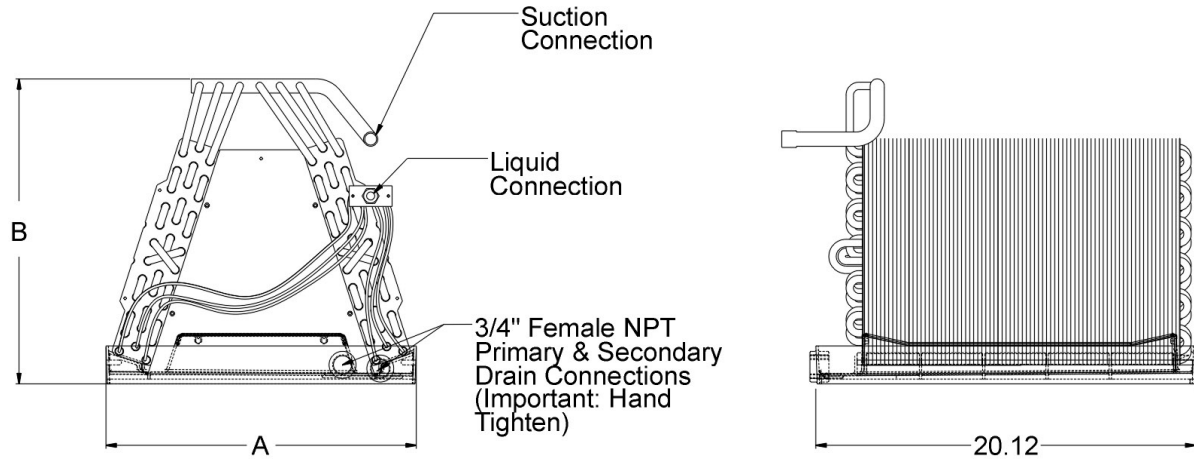
- Foil-faced insulation
- Galvanized leather-grain finish and high-quality post-paint models are available
- Split-seam front—excellent access

NOTE: DO NOT USE THIS COIL ON OIL FURNACES OR ANY APPLICATIONS WHERE THE TEMPERATURE ON THE DRAIN PAN MAY EXCEED 300 °F. A FIELD-FABRICATED METAL DRAIN PAN SHOULD BE USED IN THIS APPLICATION. The usage of these coils/drain pans must be strictly adhered to in order to avoid any possibility of using a low-temperature material in a high-temperature application.



PRODUCT SPECIFICATIONS

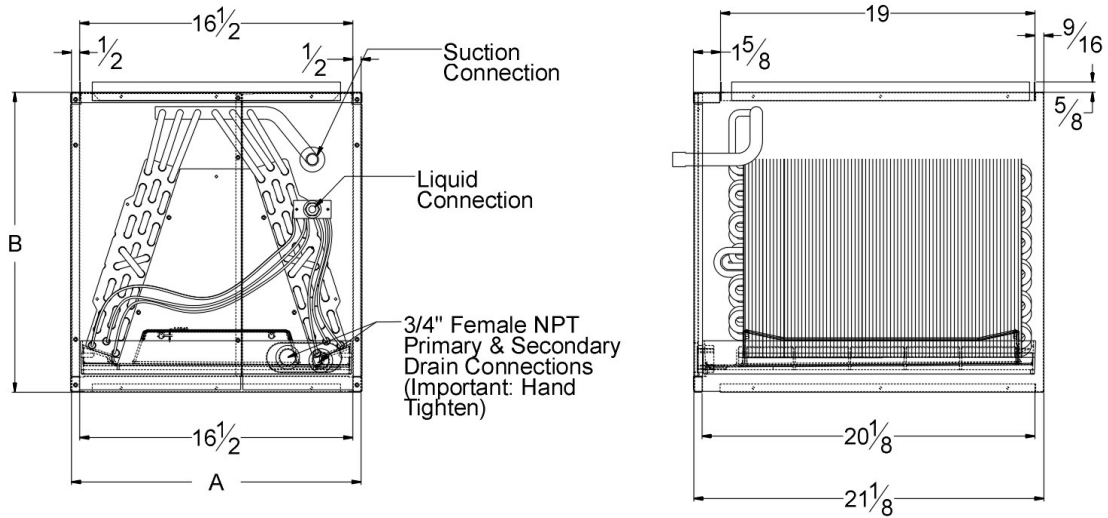
Uncased Upflow/Downflow Indoor Coils (CAUF/CAUX)



Coil Model		DIMENSIONS (INCHES)				SPECIFICATIONS				
		Nominal Tons	A	B	Nominal CFM	Static Pressure Wet Coil	No. Rows	Liquid Conn	Suction Conn	Ship Wt.
CAUF018A2A		1.5	13	16.2	650	.20	2	3/8	5/8	18
CAUF024A2A		2	13	16.1	900	.20	2	3/8	3/4	21
CAUF030A2A		2.5	13	18.1	1000	.30	3	3/8	3/4	24
CAUF036A2A		3	13	20	1200	.30	3	3/8	3/4	31
CAUF018B2A	CAUX018B2A	1.5	16	16.1	650	.20	2	3/8	5/8	18
CAUX025B2A	CAUF025B2A	2	16	16.2	900	.20	3	3/8	3/4	21
CAUF030B2A		2.5	16	16.1	1000	.30	3	3/8	3/4	24
CAUF036B2A	CAUX036B2A	3	16	20	1200	.30	3	3/8	3/4	31
CAUF042B2A	CAUX042B2A	3.5	16	19.9	1400	.30	3	3/8	3/4	43
CAUF048B2A		4	16	23.9	1600	.30	3	3/8	7/8	44
CAUF042C2A		3.5	20	21.4	1400	.30	3	3/8	3/4	43
CAUF048C2A		4	20	23.5	1600	.30	3	3/8	7/8	44
CAUF049C2A	CAUX049C2A	4	20	23.7	1600	.30	3	3/8	7/8	44
CAUF060C2A		5	20	27.9	2000	.30	3	3/8	7/8	55
CAUF061C2A		5	20	27.9	2000	.30	4	3/8	7/8	55
CAUF049D2A	CAUX049D2A	4	23	23.7	1600	.30	3	3/8	7/8	44
CAUF060D2A	CAUX060D2A	5	23	28.2	2000	.30	3	3/8	7/8	55
CAUF061D2A	CAUX061D2A	5	23	27.7	2000	.30	4	3/8	7/8	55

PRODUCT SPECIFICATIONS

Cased Upflow/Downflow Indoor Coils (CACF/CAPF/CAPX)

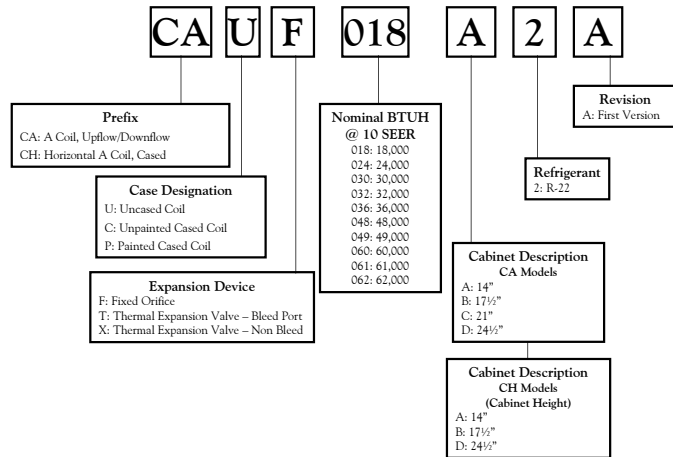


Coil Model			DIMENSIONS (INCHES)				SPECIFICATIONS				
			Nominal Tons	A	B	Nominal CFM	Static Pressure Wet Coil	No. Rows	Liquid Conn	Suction Conn	Ship Wt.
CACF018A2A			1.5	14	18	650	.20	2	3/8	5/8	31
CACF024A2A			2.0	14	18	900	.20	2	3/8	3/4	33
CACF030A2A			2.5	14	18	1000	.30	3	3/8	3/4	38
CACF036A2A			3.0	14	22	1200	.30	3	3/8	3/4	38
	CAPF018B2A	CAPX018B2A	1.5	17.5	18	650	.20	2	3/8	5/8	33
	CAPF025B2A	CAPX025B2A	2.0	17.5	18	900	.20	3	3/8	3/4	35
CACF030B2A	CAPF030B2A	CAPX030B2A	2.5	17.5	18	1000	.30	3	3/8	3/4	42
CACF036B2A	CAPF036B2A	CAPX036B2A	3.0	17.5	22	1200	.30	3	3/8	3/4	48
CACF042B2A	CAPF042B2A	CAPX042B2A	3.5	17.5	22	1400	.30	3	3/8	3/4	60
CACF048B2A			4.0	17.5	26	1600	.30	3	3/8	7/8	55
	CAPF036C2A		3.0	21	26	1200	.30	3	3/8	3/4	55
CACF042C2A	CAPF042C2A		3.5	21	26	1400	.30	3	3/8	3/4	65
CACF048C2A			4.0	21	26	1600	.30	3	3/8	7/8	57
	CAPF049C2A	CAPX049C2A	4.0	21	26	1600	.30	3	3/8	7/8	57
CACF060C2A			5.0	21	30	2000	.30	3	3/8	7/8	61
CACF061C2A			5.0	21	30	2000	.30	4	3/8	7/8	68
	CAPF049D2A	CAPX049D2A	4.0	24.5	26	1600	.30	3	3/8	7/8	58
CACF060D2A	CAPF060D2A	CAPX060D2A	5.0	24.5	30	2000	.30	3	3/8	7/8	68
CACF061D2A		CAPX061D2A	5.0	24.5	30	2000	.30	4	3/8	7/8	75

PRODUCT SPECIFICATIONS

Indoor Coil Nomenclature

Prefix	CA: A Coil, Upflow/Downflow CH: Horizontal A Coil, Cased	
Case Designation	U: Uncased Coil C: Cased Unpainted Coil P: Cased Painted Coil	
Expansion Device	F: Fixed Orifice T: Thermal Expansion Valve - Bleed Port X: Thermal Expansion Valve - Non Bleed	
Nominal BTUH @ 10 SEER	018 - 18,000 024 - 24,000 025 - 25,000 030 - 30,000 032 - 32,000 036 - 36,000 048 - 48,000 049 - 49,000 060 - 60,000 061 - 61,000 062 - 62,000	
Cabinet Description	CA Models A: 14" B: 17½" C: 21" D: 24½"	CH Models (Cabinet Height) A: 14" B: 17½" D: 24½"
Refrigerant	2: R-22	
Revision	A: First Version	



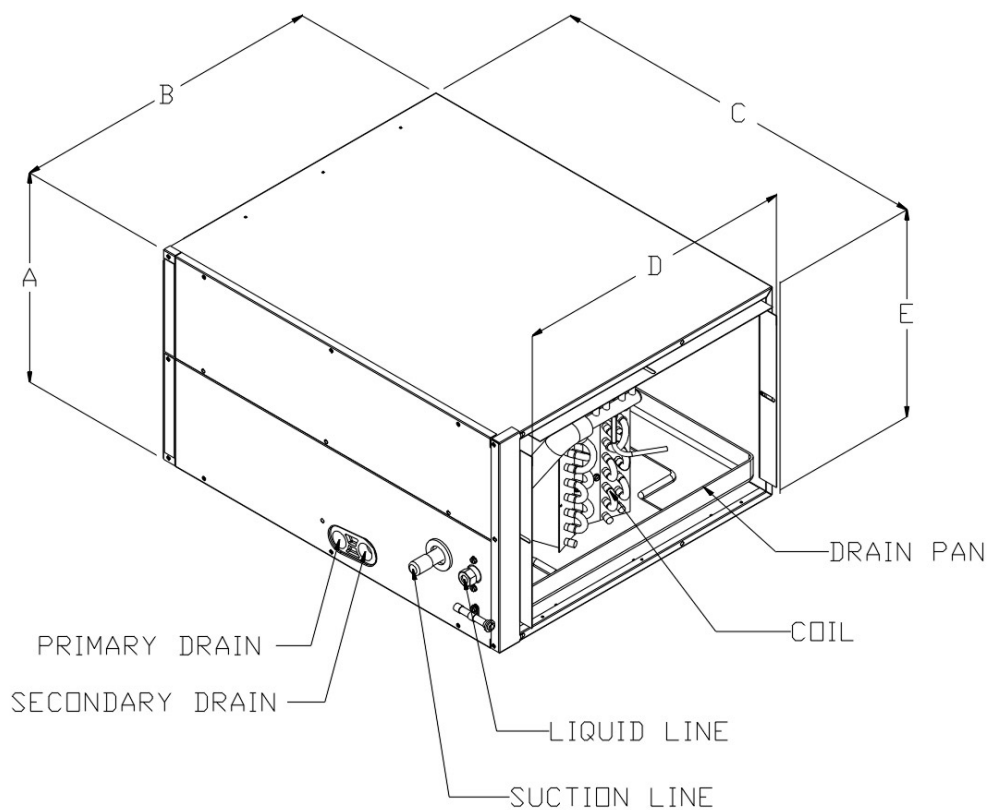
Cased Horizontal “A” Indoor Coil Data

CHP Air Flow Data: - Static Pressure Drop Across Coil. Horizontal Right Applications.

COIL MODEL	Air Quantity (CFM) vs. Pressure Drop (IN.WC)					
		975	1075	1175	1250	1350
CHPF024A2A CHPX024A2A						
	WET	0.14	0.17	0.21	0.26	0.31
	DRY	0.08	0.11	0.15	0.21	0.26
CHPF030A2A CHPX030A2A		950	1050	1150	1250	1350
	WET	0.14	0.17	0.22	0.27	0.32
	DRY	0.08	0.11	0.15	0.20	0.25
CHPF036B2A CHPX036B2A		1175	1275	1375	1450	1550
	WET	0.14	0.17	0.21	0.25	0.31
	DRY	0.09	0.11	0.15	0.21	0.26
CHPF042B2A CHPX042B2A		1150	1250	1350	1450	1550
	WET	0.14	0.17	0.21	0.26	0.32
	DRY	0.10	0.12	0.16	0.21	0.27
CHPF048D2A CHPX048D2A		1750	1850	1950	2050	2150
	WET	0.21	0.26	0.31	0.37	0.44
	DRY	0.18	0.20	0.26	0.32	0.38
CHPF060D2A CHPX060D2A		1750	1850	1950	2050	2150
	WET	0.22	0.27	0.32	0.38	0.45
	DRY	0.19	0.21	0.27	0.33	0.39

NOTE: For Horizontal Left Applications, Reduce Airflow 3%
* Nominal CFM

PRODUCT SPECIFICATIONS



Dimensions

CABINET SIZE	CHP COIL MODEL	A		B		C		D		E	
		IN	MM	IN	MM	IN	MM	IN	MM	IN	MM
SMALL	CHPF024A2A CHPX024A2A	14	355.6	21.125	536.6	26	660.4	19	482.6	13	330.2
	CHPF030A2A CHPX030A2A	14	355.6	21.125	536.6	26	660.4	19	482.6	13	330.2
MEDIUM	CHPF036B2A CHPX036B2A	17.5	444.5	21.125	536.6	26	660.4	19	482.6	16.5	419.1
	CHPF042B2A CHPX042B2A	17.5	444.5	21.125	536.6	26	660.4	19	482.6	16.5	419.1
LARGE	CHPF048D2A CHPX048D2A	24.5	622.3	21.125	536.6	26	660.4	19	482.6	23.5	596.9
	CHPF060D2A CHPX060D2A	24.5	622.3	21.125	536.6	26	660.4	19	482.6	23.5	596.9

NOTE: All air opening flanges are 0.625" [15.62 mm].

Specifications

MODEL	CHPF024A2A CHPX024A2A	CHPF030A2A CHPX030A2A	CHPF036B2A CHPX036B2A	CHPF042B2A CHPX042B2A	CHPF048D2A CHPX048D2A	CHPF060D2A CHPX060D2A
EVAPORATOR COIL						
FACE AREA (Ft. ² /M ²)	3.33 (.309)	3.33 (.309)	4.44 (.412)	4.44 (.412)	5.96 (.553)	5.96 (.553)
ROWS	2	3	2	3	3	4
FIN PER INCH	14	14	14	14	14	14
DRAINS CONNECTION						
PRIMARY AUXILLIARY [mm]	¾" [19.05]	¾" [19.05]	¾" [19.05]	¾" [19.05]	¾" [19.05]	¾" [19.05]
REFRIGERATION LINE CONNECTION						
VAPOR [mm]	¾" [19.05]	¾" [19.05]	¾" [19.05]	¾" [19.05]	7/8" [22.225]	7/8" [22.225]
LIQUID [mm]	3/8" [9.525]	3/8" [9.525]	3/8" [9.525]	3/8" [9.525]	3/8" [9.525]	3/8" [9.525]
SHIPPING WEIGHT (lbs/kg)	40 [18.143]	45 [20.412]	50 [22.680]	55 [24.948]	65 [29.484]	70 [31.751]

PRODUCT SPECIFICATIONS

Coil Cross-Reference Table

Un-Cased Upflow/Downflow Coils w/Flowrater

			GDT045-3B GDT070-3B GMNTE060-3 GMNTO40-3B GMNTO60-3B GMT045-3B GMT070-3B GMTH045-3B	GDT090-4B GMNTE080-4 GMNTO80-4B GMT070-4B GMT090-3B GMT090-4B GMTH070-4B	GDT115-5B GMNTE100-4 GMNTO100-4B GMT090-5B GMT115-5B GMTH090-5B	GMNTE120-5 GMNTO120-5D GMT140-5D
Existing Houston & Fayetteville Manufactured Coils	New Dayton Manufactured Coils	Coil Height (inches)	14" Furnace	17.5" Furnace	21" Furnace	24.5" Furnace
UC-18	CAUF018A2A	16.2	X			
UC-29	CAUF024A2A	16.1	X			
UC-32	CAUF030B2A	16.1		X		
CCA30FSC	CAUF030B2A	16.1		X		
UC-35	CAUF036A2A	20	X			
UC-36	CAUF036B2A	20		X		
CCA36FSC	CAUF036B2A	20		X		
UC-42	CAUF042B2A	19.9		X		
UC-47	CAUF048B2A	23.9		X		
UC-49	CAUF048C2A	23.5			X	
UC-59	CAUF060C2A	27.9			X	
UC-60	CAUF060D2A	28.2				X
CCA60FSC	CAUF060D2A	28.2				X
CCA57FSC	CAUF060D2A	28.2				X
UC-62	CAUF061C2A	27.9			X	
UC-61	CAUF061D2A	27.7				X
CCA18FSC	CAUF018B2A	16.1		X		
CCA24FSC	CAUF025B2A	16.2		X		
CCA42FSC	CAUF042C2A	21.4			X	
CCA48FSC	CAUF049D2A	23.7				X
CCA54FSC	CAUF049D2A	23.7				X
	CAUF049C2A	23.7			X	
	CAUF030A2A	18.1		X		

Painted Cased Upflow/Downflow Coils w/Flowrater

CCA18FCC	CAPF018B2A	18		X		
CCA24FCC	CAPF025B2A	18		X		
CCA30FCC	CAPF030B2A	18		X		
CCA36FCC	CAPF036B2A	22		X		
CCA42FCC	CAPF042C2A	26			X	
CCA48FCC	CAPF049D2A	26				X
CCA54FCC	CAPF049D2A	26				X
CCA60FCC	CAPF060D2A	30				X
CCA57FCC	CAPF060D2A	30				X
	CAPF036C2A	26			X	
	CAPF042B2A	22		X		
	CAPF049C2A	26			X	

PRODUCT SPECIFICATIONS

Coil Cross-Reference Table (cont.)

Un-Painted Cased Upflow/Downflow Coils w/Flowrater

			GDT045-3B GDT070-3B GMNTE060-3 GMNTO40-3B GMNTO60-3B GMT045-3B GMT070-3B GMTH045-3B	GDT090-4B GMNTE080-4 GMNTO80-4B GMT070-4B GMT090-3B GMT090-4B GMTH070-4B	GDT115-5B GMNTE100-4 GMNTO100-4B GMT090-5B GMT115-5B GMTH090-5B	GMNTE120-5 GMNTO120-5D GMT140-5D
Existing Houston & Fayetteville Manufactured Coils	New Dayton Manufactured Coils	Coil Height (inches)	14" Furnace	17.5" Furnace	21" Furnace	24.5" Furnace
U-18	CACF018A2A	18	X			
U-29	CACF024A2A	18	X			
U-30	CACF030A2A	18	X			
U-31	CACF030A2A	18	X			
U-32	CACF030A2A	18	X			
New 17.5" chassis width						
U-30	CACF030B2A	18		X		
U-32	CACF030B2A	18		X		
U-35	CACF036A2A	22	X			
U-36	CACF036A2A	22	X			
New 17.5" chassis width						
U-36	CACF036B2A	22		X		
U-42	CACF042B2A	22		X		
U-47	CACF048B2A	26		X		
U-49	CACF048B2A	26		X		
New 21" chassis width						
U-49	CACF048C2A	26			X	
U-59	CACF060C2A	30			X	
U-60	CACF060C2A	30			X	
New 24.5" chassis width						
U-60	CACF060D2A	30				X
U-61	CACF061C2A	30			X	
U-62	CACF061C2A	30			X	
New 24.5" chassis width						
U-61	CACF061D2A	30				X
	CACF042C2A	26			X	

Un-Cased Upflow/Downflow Coils w/Thermal Expansion Valve

CHA18TSC	CAUX018B2A	17.3		X		
CHA24TSC	CAUX025B2A	17.4		X		
CHA30TSC	CAUX036B2A	20		X		
CHA36TSC	CAUX042B2A	19.9		X		
CHA42TSC	CAUX049C2A	23.7			X	
CHA48TSC	CAUX049D2A	23.7				X
CHA54TSC	CAUX060D2A	28.2				X
CHA57TSC	CAUX060D2A	28.2				X
CHA60TSC	CAUX061D2A	27.7				X

PRODUCT SPECIFICATIONS

Coil Cross-Reference Table (cont.)

Painted Cased Upflow/Downflow Coils w/Thermal Expansion Valve

			GDT045-3B GDT070-3B GMNTE060-3 GMNT040-3B GMNT060-3B GMT045-3B GMT070-3B GMTH045-3B	GDT090-4B GMNTE080-4 GMNT080-4B GMT070-4B GMT090-3B GMT090-4B GMTH070-4B	GDT115-5B GMNTE100-4 GMNT100-4B GMT090-5B GMT115-5B GMTH090-5B	GMNTE120-5 GMNT120-5D GMT140-5D
Existing Houston & Fayetteville Manufactured Coils	New Dayton Manufactured Coils	Coil Height (inches)	14" Furnace	17.5" Furnace	21" Furnace	24.5" Furnace
CHA18TCC	CAPX018B2A	22		X		
CHA24TCC	CAPX025B2A	22		X		
	CAPX030B2A	22		X		
CHA30TCC	CAPX036B2A	22		X		
CHA36TCC	CAPX042B2A	22		X		
CHA42TCC	CAPX049C2A	26			X	
CHA48TCC	CAPX049D2A	26				X
CHA54TCC	CAPX060D2A	30				X
CHA57TCC	CAPX060D2A	30				X
CHA60TCC	CAPX061D2A	30				X

Painted Cased Horizontal "A" Coils w/Flowrater

		LxWxH				
HT-1830	CHPF024A2A	26x21x14.0	X			
CCF24FCC	CHPF024A2A	26x21x14.0	X			
HT-3236	CHPF030A2A	26x21x14.0	X			
CCF30FCC	CHPF030A2A	26x21x14.0	X			
HT-36	CHPF036B2A	26x21x17.5		X		
CCF36FCC	CHPF036B2A	26x21x17.5		X		
HT-4248	CHPF042B2A	26x21x17.5		X		
CCF42FCC	CHPF042B2A	26x21x17.5		X		
CCF48FCC	CHPF042B2A	26x21x17.5		X		
HT-4860	CHPF048D2A	26x21x24.5			X	X
CCF60FCC	CHPF048D2A	26x21x24.5			X	X
HT-61	CHPF060D2A	26x21x24.5			X	X

Painted Cased Horizontal "A" Coils w/Thermal Expansion Valve

		LxWxH				
CHF18TCC	CHPX024A2A	26x21x14.0	X			
CHF24TCC	CHPX024A2A	26x21x14.0	X			
CHF30TCC	CHPX030A2A	26x21x14.0	X			
CHF36TCC	CHPX036B2A	26x21x17.5		X		
CHF42TCC	CHPX042B2A	26x21x17.5		X	X	X
CHF48TCC	CHPX048D2A	26x21x24.5			X	X
	CHPX060D2A	26x21x24.5			X	X



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