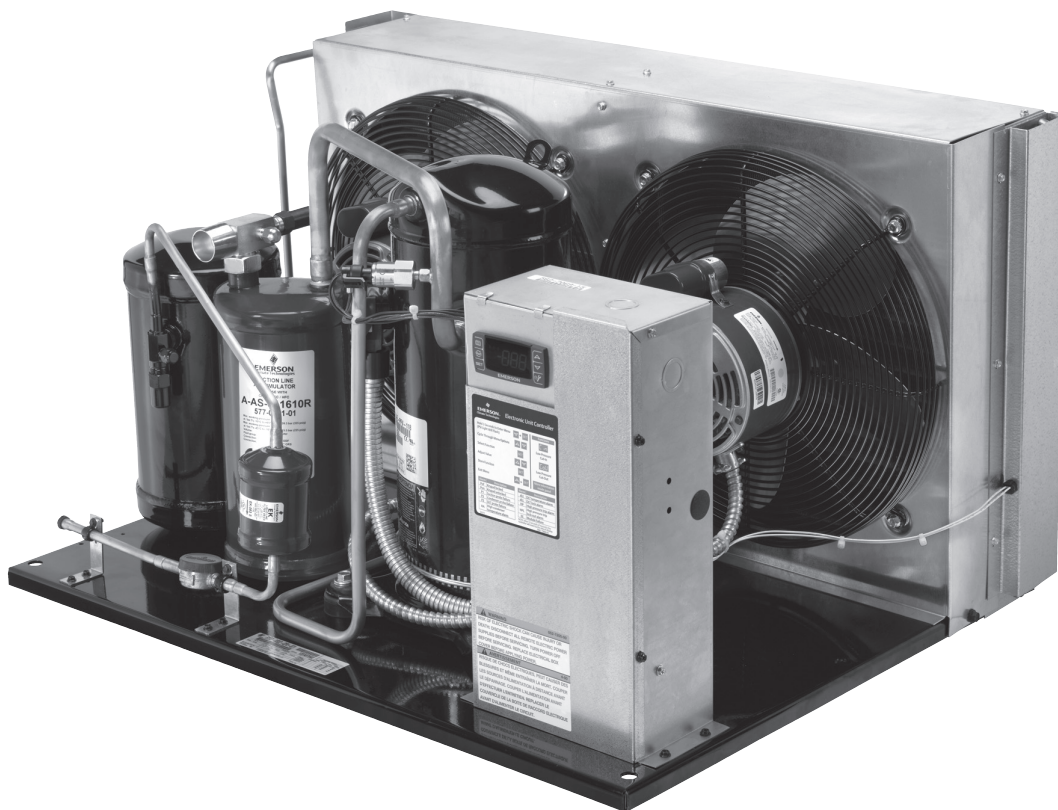


FFAP, FFWP and FPAK Line

Copeland Scroll™ air-cooled and water-cooled condensing units



Product Information

Horsepower:	1 – 5
Temperature Applications:	Low/Medium/High
Refrigerants:	R-134a, R-404A, R-22, R-407A, R-407C
Installation Applications:	A variety of applications including bulk milk and walk-in boxes

Copeland Scroll™ air-cooled and water-cooled condensing units

Features	Benefits
Copeland Scroll Compressor	Reliability
	High Energy Efficiency
	Low Sound & Vibration
Advance Diagnostics and Protection Features	Faster Trouble Shooting Warranty Reduction
Factory Installed EK Filter Drier & HMI Moisture Indicator	Less Leaks, Reduce Callbacks, Lower Installation Cost, Increase Equipment Reliability, Lower Warranty
Modular Components	Replacement Serviceability
Multi Refrigerant Approval for High/Med Models	Application Flexibility Inventory Consolidation

Resources and Support

EmersonClimate.com

■ Online Product Information and Technical Data

- Application Engineering Bulletins
- Instruction Sheets
- Marketing Brochures

■ Product Selection Tools

- Walk-In Box Load Calculator

■ Where to Buy

Optional Hood (refer to appendix of this catalog or form number 2010ECT-121 for more information)

Application Engineering Bulletins

- 4-1273 Factors to Consider in Converting Compressor Rated Capacity to Actual Capacity
- 4-1299 Application Guidelines for K4 Refrigeration Copeland Scroll™ Compressors 2-8 Horsepower
- 4-1387 Application Guidelines for ZS**KAE Copeland Scroll™ Refrigeration Compressors 1.3-4.5 HP
- 8-1347 Copeland PerformanceAlert™ Diagnostic Module
- 8-1376 Electronic Unit Controller
- 11-1147 Suction Accumulators
- 11-1297 Liquid Line Filter-Driers
- 17-1260 Compressor Overheating
- 17-1268 Compression Ratio as it Affects Compressor Reliability
- 22-1182 Liquid Refrigerant Control in Refrigeration and Air Conditioning Systems

For more information, visit EmersonClimate.com and login to the Customer Portal to view Online Product Information

Copeland Scroll™ air-cooled condensing units

Capacity Data

LOW/MED/HIGH TEMP		Capacity (BTU/Hr) at 90° Ambient - Evaporator Temp (°F)							
Model	BOM	Refrig.	H.P.	-30	-25	-20	-15	-10	-5
FFAP-015Z-CFV, TFC, TFD	075, 072	22	1-1/2						
		134a	1-1/2						
		404A	1-1/2	3,520	3,980	4,470	5,010	5,600	6,230
		407A	1-1/2		3,360	3,960	4,550	5,160	5,780
		407C	1-1/2						
FFAP-017Z-CFV, TFC, TFD	075, 072	22	1-3/4						
		134a	1-3/4						
		404A	1-3/4	4,100	4,630	5,200	5,820	6,490	7,210
		407A	1-3/4		3,970	4,670	5,370	6,080	6,800
		407C	1-3/4						
FFAP-020Z-CFV, TFC, TFD	071, 072	22	2						
		134a	2						
		404A	2	4,780	5,390	6,060	6,780	7,560	8,410
		407A	2		4,540	5,350	6,150	6,970	7,800
		407C	2						
FFAP-022Z-CFV, TFC, TFD	071, 072*	22	2-1/4						
		134a	2-1/4						
		404A	2-1/4	5,810	6,560	7,370	8,250	9,210	10,200
		407A	2-1/4		5,480	6,460	7,430	8,410	9,430
		407C	2-1/4						
FFAP-030Z-CFV, TFC, TFD	071, 072*	22	3						
		134a	3						
		404A	3	6,550	7,400	8,330	9,340	10,400	11,600
		407A	3		6,250	7,370	8,480	9,620	10,800
		407C	3						
FFAP-032Z-CFV, TFC, TFD	071, 072*	22	3-1/4						
		134a	3-1/4						
		404A	3-1/4	8,660	9,770	11,000	12,300	13,700	15,200
		407A	3-1/4		7,130	8,530	9,990	11,500	13,100
		407C	3-1/4						
FFAP-040Z-CFV, TFC, TFD	071, 072*	22	4						
		134a	4						
		404A	4	9,770	11,100	12,500	14,000	15,700	17,500
		407A	4		8,350	9,950	11,600	13,400	15,300
		407C	4						
FFAP-042Z-CFV, TFC, TFD	071, 072*	22	4-1/4						
		134a	4-1/4						
		404A	4-1/4	12,300	13,900	15,700	17,600	19,700	21,900
		407A	4-1/4		10,700	12,800	15,000	17,300	19,700
		407C	4-1/4						
FFAP-050Z-CFV, TFC, TFD, TFE	071, 072** 075***	22	5						
		134a	5						
		404A	5	14,500	16,200	18,200	20,200	22,500	24,800
		407A	5						
		407C	5						

Performance @ 40°F return gas (65°F return gas for performance in bold), 5°F subcooling.

* -TFD not available

** -TFD or TFE not available

*** -TFE only

Copeland Scroll™ air-cooled condensing units

Capacity Data

LOW/MED/HIGH TEMP		Capacity (BTU/Hr) at 90° Ambient - Evaporator Temp (°F)						
Model	BOM	Refrig.	H.P.	0	+5	+10	+15	+20
FFAP-015Z-CFV, TFC, TFD	075, 072	22	1-1/2	6,730	7,630	8,530	9,450	10,400
		134a	1-1/2	4,220	4,770	5,360	6,000	6,680
		404A	1-1/2	6,900	7,660	8,460	9,320	10,200
		407A	1-1/2	6,430	7,130	7,870	8,660	9,510
		407C	1-1/2	5,630	6,490	7,410	8,330	9,290
FFAP-017Z-CFV, TFC, TFD	075, 072	22	1-3/4	7,790	8,830	9,860	10,900	12,000
		134a	1-3/4	5,000	5,640	6,340	7,080	7,880
		404A	1-3/4	7,970	8,830	9,730	10,700	11,700
		407A	1-3/4	7,550	8,360	9,210	10,100	11,100
		407C	1-3/4	6,860	7,880	8,970	10,100	11,200
FFAP-020Z-CFV, TFC, TFD	071, 072	22	2	9,000	10,200	11,400	12,600	13,900
		134a	2	5,710	6,450	7,240	8,090	9,010
		404A	2	9,300	10,300	11,400	12,500	13,700
		407A	2	8,660	9,600	10,600	11,600	12,800
		407C	2	7,600	8,760	9,990	11,200	12,500
FFAP-022Z-CFV, TFC, TFD	071, 072*	22	2-1/4	10,700	12,100	13,500	15,000	16,500
		134a	2-1/4	6,810	7,690	8,640	9,660	10,800
		404A	2-1/4	11,300	12,600	13,900	15,200	16,700
		407A	2-1/4	10,500	11,600	12,800	14,100	15,400
		407C	2-1/4	9,400	10,800	12,200	13,700	15,200
FFAP-030Z-CFV, TFC, TFD	071, 072*	22	3	12,300	13,900	15,500	17,200	19,000
		134a	3	7,870	8,890	10,000	11,200	12,500
		404A	3	12,900	14,300	15,900	17,500	19,300
		407A	3	12,000	13,300	14,700	16,200	17,800
		407C	3	10,700	12,300	14,000	15,800	17,600
FFAP-032Z-CFV, TFC, TFD	071, 072*	22	3-1/4	16,000	18,200	20,300	22,500	24,700
		134a	3-1/4	10,400	11,800	13,200	14,700	16,400
		404A	3-1/4	16,800	18,600	20,500	22,500	24,700
		407A	3-1/4	14,800	16,700	18,600	20,600	22,700
		407C	3-1/4	13,900	16,000	18,200	20,400	22,700
FFAP-040Z-CFV, TFC, TFD	071, 072*	22	4	18,600	21,100	23,700	26,300	29,000
		134a	4	11,800	13,400	15,100	16,900	18,900
		404A	4	19,500	21,700	24,100	26,600	29,400
		407A	4	17,300	19,400	21,800	24,200	26,900
		407C	4	16,700	19,300	21,900	24,600	27,500
FFAP-042Z-CFV, TFC, TFD	071, 072*	22	4-1/4	22,800	25,900	28,900	32,100	35,400
		134a	4-1/4	14,600	16,500	18,500	20,700	23,100
		404A	4-1/4	24,400	27,000	29,900	33,000	36,400
		407A	4-1/4	22,300	25,100	28,000	31,100	34,500
		407C	4-1/4	19,600	22,700	25,800	29,000	32,400
FFAP-050Z-CFV, TFC, TFD, TFE	071, 072** 075***	22	5	26,200	29,100	32,100	35,400	38,900
		134a	5	16,600	18,700	20,900	23,400	26,000
		404A	5	27,300	30,100	33,000	36,000	39,300
		407A	5					
		407C	5	21,200	24,500	28,100	32,000	36,100

Performance @ 40°F return gas (65°F return gas for performance in bold), 5°F subcooling.

* -TFD not available

** -TFD or TFE not available

*** -TFE only

Copeland Scroll™ air-cooled condensing units

Capacity Data

LOW/MED/HIGH TEMP		Cap. (BTU/Hr) at 90° F Ambient - Evaporator Temp (°F)						
Model	BOM	Refrig.	H.P.	+25	+30	+35	+40	+45
FFAP-015Z-CFV, TFC, TFD	075, 072	22	1-1/2	11,400	12,400	13,600	14,800	16,100
		134a	1-1/2	7,540	8,340	9,200	10,100	11,100
		404A	1-1/2	11,500	12,400	13,400	14,500	15,600
		407A	1-1/2	10,700	11,800	12,900	14,100	15,400
		407C	1-1/2	10,400	11,400	12,500	13,600	14,800
FFAP-017Z-CFV, TFC, TFD	075, 072	22	1-3/4	13,100	14,300	15,600	17,000	18,400
		134a	1-3/4	8,900	9,840	10,800	11,900	13,100
		404A	1-3/4	13,100	14,300	15,500	16,900	18,500
		407A	1-3/4	12,500	13,700	15,000	16,300	17,800
		407C	1-3/4	12,500	13,700	14,900	16,200	17,500
FFAP-020Z-CFV, TFC, TFD	071, 072	22	2	15,200	16,600	18,100	19,600	21,300
		134a	2	10,200	11,200	12,400	13,600	14,900
		404A	2	15,300	16,600	17,900	19,200	20,600
		407A	2	14,400	15,700	17,200	18,800	20,500
		407C	2	14,000	15,300	16,800	18,200	19,700
FFAP-022Z-CFV, TFC, TFD	071, 072*	22	2-1/4	18,300	20,000	21,700	23,600	25,600
		134a	2-1/4	12,300	13,600	15,000	16,500	18,100
		404A	2-1/4	18,900	20,600	22,500	24,400	26,800
		407A	2-1/4	17,400	19,100	20,900	22,800	24,900
		407C	2-1/4	17,300	19,000	20,700	22,500	24,400
FFAP-030Z-CFV, TFC, TFD	071, 072*	22	3	20,800	22,700	24,800	27,000	29,400
		134a	3	14,100	15,600	17,200	19,000	20,800
		404A	3	21,600	23,500	25,400	27,500	29,600
		407A	3	20,200	22,100	24,200	26,500	29,000
		407C	3	19,700	21,700	23,700	26,100	28,700
FFAP-032Z-CFV, TFC, TFD	071, 072*	22	3-1/4	27,400	29,800	32,400	35,100	38,000
		134a	3-1/4	18,500	20,400	22,500	24,700	27,100
		404A	3-1/4	27,300	29,500	31,800	34,200	36,700
		407A	3-1/4	25,700	28,200	30,700	33,400	36,300
		407C	3-1/4	25,400	27,900	30,400	33,000	35,800
FFAP-040Z-CFV, TFC, TFD	071, 072*	22	4	31,700	34,800	38,100	41,600	45,400
		134a	4	21,300	23,700	26,200	28,900	31,800
		404A	4	34,200	37,500	41,000	44,800	49,500
		407A	4	30,600	33,700	37,000	40,600	44,300
		407C	4	30,700	33,800	37,100	41,000	45,200
FFAP-042Z-CFV, TFC, TFD	071, 072*	22	4-1/4	38,700	42,400	46,400	50,500	55,000
		134a	4-1/4	26,100	29,000	32,000	35,200	38,700
		404A	4-1/4	40,800	44,800	49,100	54,000	59,000
		407A	4-1/4	39,200	43,100	47,200	51,500	57,000
		407C	4-1/4	36,300	39,900	43,800	47,700	51,900
FFAP-050Z-CFV, TFC, TFD, TFE	071, 072** 075***	22	5	43,100	47,100	51,500	55,500	60,500
		134a	5	29,400	32,500	35,800	39,300	43,000
		404A	5	45,400	49,300	53,500	57,500	62,000
		407A	5					
		407C	5	41,600	46,100	50,800	55,500	60,100

Performance @ 40°F return gas (65°F return gas for performance in bold), 5°F subcooling.

* -TFD not available

** -TFD or TFE not available

*** -TFE only

Copeland Scroll™ air-cooled condensing units

Capacity Data

LOW/MED/HIGH TEMP		Capacity (BTU/Hr) at 100° Ambient - Evaporator Temp (°F)							
Model	BOM	Refrig.	H.P.	-30	-25	-20	-15	-10	-5
FFAP-015Z-CFV, TFC, TFD	075, 072	22	1-1/2						
		134a	1-1/2						
		404A	1-1/2		3,710	4,160	4,650	5,180	5,750
		407A	1-1/2				4,220	4,790	5,370
		407C	1-1/2						
FFAP-017Z-CFV, TFC, TFD	075, 072	22	1-3/4						
		134a	1-3/4						
		404A	1-3/4		4,310	4,830	5,390	5,990	6,640
		407A	1-3/4					5,640	6,320
		407C	1-3/4						
FFAP-020Z-CFV, TFC, TFD	071, 072	22	2						
		134a	2						
		404A	2		5,020	5,630	6,280	6,990	7,750
		407A	2					6,470	7,250
		407C	2						
FFAP-022Z-CFV, TFC, TFD	071, 072*	22	2-1/4						
		134a	2-1/4						
		404A	2-1/4		6,110	6,860	7,650	8,510	9,450
		407A	2-1/4					7,820	8,760
		407C	2-1/4						
FFAP-030Z-CFV, TFC, TFD	071, 072*	22	3						
		134a	3						
		404A	3	6,120	6,900	7,750	8,670	9,660	10,700
		407A	3				7,870	8,940	10,000
		407C	3						
FFAP-032Z-CFV, TFC, TFD	071, 072*	22	3-1/4						
		134a	3-1/4						
		404A	3-1/4		9,110	10,200	11,400	12,600	14,000
		407A	3-1/4					10,500	12,100
		407C	3-1/4						
FFAP-040Z-CFV, TFC, TFD	071, 072*	22	4						
		134a	4						
		404A	4	9,150	10,300	11,600	13,000	14,600	16,200
		407A	4				10,500	12,200	14,100
		407C	4						
FFAP-042Z-CFV, TFC, TFD	071, 072*	22	4-1/4						
		134a	4-1/4						
		404A	4-1/4	11,500	13,000	14,600	16,300	18,200	20,300
		407A	4-1/4				13,600	15,800	18,200
		407C	4-1/4						
FFAP-050Z-CFV, TFC, TFD, TFE	071, 072** 075***	22	5						
		134a	5						
		404A	5		15,000	16,700	18,600	20,600	22,800
		407A	5						
		407C	5						

Performance @ 40°F return gas (65°F return gas for performance in bold), 5°F subcooling.

* -TFD not available

** -TFD or TFE not available

*** -TFE only

Copeland Scroll™ air-cooled condensing units

Capacity Data

LOW/MED/HIGH TEMP		Capacity (BTU/Hr) at 100° Ambient - Evaporator Temp (°F)						
Model	BOM	Refrig.	H.P.	0	+5	+10	+15	+20
FFAP-015Z-CFV, TFC, TFD	075, 072	22	1-1/2	6,270	7,140	8,020	8,900	9,800
		134a	1-1/2	4,000	4,510	5,060	5,660	6,300
		404A	1-1/2	6,350	7,040	7,760	8,530	9,370
		407A	1-1/2	5,970	6,620	7,300	8,040	8,820
		407C	1-1/2	5,230	6,080	6,960	7,850	8,750
FFAP-017Z-CFV, TFC, TFD	075, 072	22	1-3/4	7,240	8,250	9,250	10,300	11,300
		134a	1-3/4	4,730	5,330	5,980	6,670	7,420
		404A	1-3/4	7,320	8,090	8,900	9,770	10,700
		407A	1-3/4	7,010	7,760	8,550	9,380	10,300
		407C	1-3/4	6,390	7,380	8,420	9,450	10,500
FFAP-020Z-CFV, TFC, TFD	071, 072	22	2	8,370	9,540	10,700	11,900	13,100
		134a	2	5,410	6,100	6,830	7,630	8,480
		404A	2	8,550	9,450	10,400	11,400	12,500
		407A	2	8,050	8,910	9,820	10,800	11,800
		407C	2	7,060	8,200	9,380	10,600	11,800
FFAP-022Z-CFV, TFC, TFD	071, 072*	22	2-1/4	9,940	11,300	12,700	14,100	15,600
		134a	2-1/4	6,450	7,270	8,160	9,110	10,100
		404A	2-1/4	10,400	11,500	12,700	14,000	15,300
		407A	2-1/4	9,730	10,800	11,900	13,100	14,300
		407C	2-1/4	8,770	10,100	11,500	12,900	14,400
FFAP-030Z-CFV, TFC, TFD	071, 072*	22	3	11,400	13,000	14,600	16,200	17,900
		134a	3	7,460	8,420	9,450	10,600	11,800
		404A	3	11,900	13,200	14,600	16,000	17,600
		407A	3	11,200	12,400	13,700	15,100	16,500
		407C	3	9,980	11,600	13,200	14,900	16,700
FFAP-032Z-CFV, TFC, TFD	071, 072*	22	3-1/4	14,900	17,000	19,100	21,100	23,300
		134a	3-1/4	9,860	11,100	12,400	13,900	15,400
		404A	3-1/4	15,400	17,100	18,800	20,600	22,600
		407A	3-1/4	13,700	15,500	17,300	19,200	21,200
		407C	3-1/4	12,900	14,900	17,000	19,200	21,400
FFAP-040Z-CFV, TFC, TFD	071, 072*	22	4	17,400	19,900	22,300	24,800	27,400
		134a	4	11,200	12,700	14,300	16,000	17,800
		404A	4	18,000	20,000	22,200	24,500	27,000
		407A	4	16,000	18,100	20,300	22,600	25,100
		407C	4	15,800	18,200	20,800	23,400	26,100
FFAP-042Z-CFV, TFC, TFD	071, 072*	22	4-1/4	21,300	24,300	27,300	30,300	33,400
		134a	4-1/4	13,800	15,600	17,500	19,600	21,800
		404A	4-1/4	22,400	24,900	27,500	30,300	33,400
		407A	4-1/4	20,700	23,400	26,200	29,200	32,300
		407C	4-1/4	18,300	21,300	24,300	27,400	30,600
FFAP-050Z-CFV, TFC, TFD, TFE	071, 072** 075***	22	5	25,000	27,700	30,500	33,600	36,900
		134a	5	15,600	17,600	19,700	22,000	24,500
		404A	5	25,000	27,500	30,100	32,900	35,800
		407A	5					
		407C	5	19,500	22,500	25,800	29,500	33,400

Performance @ 40°F return gas (65°F return gas for performance in bold), 5°F subcooling.

* -TFD not available

** -TFD or TFE not available

*** -TFE only

Copeland Scroll™ air-cooled condensing units

Capacity Data

LOW/MED/HIGH TEMP		Cap. (BTU/Hr) at 100° F Ambient - Evaporator Temp (°F)						
Model	BOM	Refrig.	H.P.	+25	+30	+35	+40	+45
FFAP-015Z-CFV, TFC, TFD	075, 072	22	1-1/2	10,800	11,800	12,900	14,000	15,200
		134a	1-1/2	7,130	7,890	8,690	9,560	10,500
		404A	1-1/2	10,600	11,500	12,400	13,300	14,300
		407A	1-1/2	10,000	11,000	12,000	13,100	14,400
		407C	1-1/2	9,830	10,800	11,800	12,800	13,900
FFAP-017Z-CFV, TFC, TFD	075, 072	22	1-3/4	12,400	13,600	14,800	16,100	17,500
		134a	1-3/4	8,400	9,280	10,200	11,200	12,300
		404A	1-3/4	12,000	13,100	14,200	15,500	17,000
		407A	1-3/4	11,600	12,700	13,900	15,200	16,600
		407C	1-3/4	11,800	12,900	14,100	15,300	16,500
FFAP-020Z-CFV, TFC, TFD	071, 072	22	2	14,400	15,700	17,100	18,600	20,200
		134a	2	9,600	10,600	11,700	12,800	14,100
		404A	2	14,200	15,300	16,500	17,700	19,000
		407A	2	13,400	14,700	16,000	17,500	19,100
		407C	2	13,200	14,500	15,800	17,200	18,600
FFAP-022Z-CFV, TFC, TFD	071, 072*	22	2-1/4	17,300	18,900	20,600	22,300	24,200
		134a	2-1/4	11,600	12,900	14,200	15,600	17,100
		404A	2-1/4	17,400	19,000	20,700	22,500	24,700
		407A	2-1/4	16,200	17,800	19,400	21,200	23,200
		407C	2-1/4	16,400	18,000	19,600	21,300	23,100
FFAP-030Z-CFV, TFC, TFD	071, 072*	22	3	19,700	21,500	23,500	25,600	27,900
		134a	3	13,300	14,700	16,300	17,900	19,700
		404A	3	20,000	21,700	23,400	25,300	27,200
		407A	3	18,800	20,600	22,600	24,700	27,100
		407C	3	18,700	20,600	22,500	24,800	27,300
FFAP-032Z-CFV, TFC, TFD	071, 072*	22	3-1/4	25,800	28,100	30,600	33,100	35,800
		134a	3-1/4	17,400	19,300	21,200	23,300	25,500
		404A	3-1/4	25,300	27,300	29,400	31,600	33,800
		407A	3-1/4	24,100	26,400	28,800	31,300	33,900
		407C	3-1/4	24,000	26,300	28,700	31,200	33,700
FFAP-040Z-CFV, TFC, TFD	071, 072*	22	4	30,100	33,100	36,200	39,600	43,200
		134a	4	20,200	22,400	24,800	27,400	30,100
		404A	4	31,600	34,600	37,900	41,400	45,800
		407A	4	28,600	31,500	34,600	37,800	41,300
		407C	4	29,300	32,200	35,300	38,900	42,900
FFAP-042Z-CFV, TFC, TFD	071, 072*	22	4-1/4	36,800	40,300	44,000	48,000	52,500
		134a	4-1/4	24,700	27,400	30,300	33,300	36,600
		404A	4-1/4	37,800	41,400	45,400	49,900	54,500
		407A	4-1/4	36,900	40,500	44,400	48,500	53,500
		407C	4-1/4	34,400	37,900	41,400	45,200	49,000
FFAP-050Z-CFV, TFC, TFD, TFE	071, 072** 075***	22	5	40,900	44,700	48,700	53,000	57,500
		134a	5	27,800	30,800	33,900	37,200	40,700
		404A	5	41,800	45,300	49,000	53,000	57,000
		407A	5					
		407C	5	38,600	43,000	47,400	51,900	56,300

Performance @ 40°F return gas (65°F return gas for performance in bold), 5°F subcooling.

* -TFD not available

** -TFD or TFE not available

*** -TFE only

Copeland Scroll™ air-cooled condensing units

Capacity Data

LOW/MED/HIGH TEMP		Capacity (BTU/Hr) at 110° Ambient - Evaporator Temp (°F)							
Model	BOM	Refrig.	H.P.	-30	-25	-20	-15	-10	-5
FFAP-015Z-CFV, TFC, TFD	075, 072	22	1-1/2						
		134a	1-1/2						
		404A	1-1/2		3,410	3,820	4,250	4,720	5,220
		407A	1-1/2						
		407C	1-1/2						
FFAP-017Z-CFV, TFC, TFD	075, 072	22	1-3/4						
		134a	1-3/4						
		404A	1-3/4			4,420	4,910	5,440	6,010
		407A	1-3/4						
		407C	1-3/4						
FFAP-020Z-CFV, TFC, TFD	071, 072	22	2						
		134a	2						
		404A	2			5,150	5,730	6,350	7,020
		407A	2						
		407C	2						
FFAP-022Z-CFV, TFC, TFD	071, 072*	22	2-1/4						
		134a	2-1/4						
		404A	2-1/4		5,630	6,290	6,990	7,750	8,580
		407A	2-1/4						
		407C	2-1/4						
FFAP-030Z-CFV, TFC, TFD	071, 072*	22	3						
		134a	3						
		404A	3				7,930	8,810	9,770
		407A	3						9,290
		407C	3						
FFAP-032Z-CFV, TFC, TFD	071, 072*	22	3-1/4						
		134a	3-1/4						
		404A	3-1/4			9,320	10,400	11,500	12,700
		407A	3-1/4						
		407C	3-1/4						
FFAP-040Z-CFV, TFC, TFD	071, 072*	22	4						
		134a	4						
		404A	4		9,560	10,700	12,000	13,400	14,800
		407A	4						13,100
		407C	4						
FFAP-042Z-CFV, TFC, TFD	071, 072*	22	4-1/4						
		134a	4-1/4						
		404A	4-1/4		12,000	13,400	15,000	16,700	18,500
		407A	4-1/4						
		407C	4-1/4						
FFAP-050Z-CFV, TFC, TFD, TFE	071, 072** 075***	22	5						
		134a	5						
		404A	5			15,200	16,900	18,700	20,600
		407A	5						
		407C	5						

Performance @ 40°F return gas (65°F return gas for performance in bold), 5°F subcooling.

* -TFD not available

** -TFD or TFE not available

*** -TFE only

Copeland Scroll™ air-cooled condensing units

Capacity Data

LOW/MED/HIGH TEMP		Capacity (BTU/Hr) at 110° Ambient - Evaporator Temp (°F)						
Model	BOM	Refrig.	H.P.	0	+5	+10	+15	+20
FFAP-015Z-CFV, TFC, TFD	075, 072	22	1-1/2	5,770	6,630	7,480	8,330	9,190
		134a	1-1/2	3,750	4,230	4,740	5,290	5,880
		404A	1-1/2	5,750	6,360	7,000	7,680	8,430
		407A	1-1/2	5,520	6,120	6,740	7,410	8,140
		407C	1-1/2	4,780	5,620	6,470	7,320	8,180
FFAP-017Z-CFV, TFC, TFD	075, 072	22	1-3/4	6,660	7,650	8,620	9,600	10,600
		134a	1-3/4	4,430	4,990	5,590	6,230	6,920
		404A	1-3/4	6,600	7,290	8,000	8,770	9,590
		407A	1-3/4	6,480	7,170	7,890	8,650	9,480
		407C	1-3/4	5,860	6,820	7,820	8,810	9,820
FFAP-020Z-CFV, TFC, TFD	071, 072	22	2	7,700	8,850	9,980	11,100	12,300
		134a	2	5,060	5,700	6,390	7,120	7,920
		404A	2	7,720	8,520	9,360	10,300	11,200
		407A	2	7,440	8,240	9,060	9,950	10,900
		407C	2	6,430	7,550	8,690	9,830	11,000
FFAP-022Z-CFV, TFC, TFD	071, 072*	22	2-1/4	9,160	10,500	11,900	13,200	14,600
		134a	2-1/4	6,040	6,810	7,630	8,520	9,480
		404A	2-1/4	9,430	10,400	11,500	12,600	13,800
		407A	2-1/4	9,000	9,970	11,000	12,100	13,200
		407C	2-1/4	8,050	9,390	10,700	12,100	13,500
FFAP-030Z-CFV, TFC, TFD	071, 072*	22	3	10,500	12,100	13,600	15,200	16,800
		134a	3	7,010	7,900	8,860	9,890	11,000
		404A	3	10,800	11,900	13,200	14,500	15,900
		407A	3	10,300	11,400	12,600	13,900	15,300
		407C	3	9,160	10,800	12,400	14,000	15,700
FFAP-032Z-CFV, TFC, TFD	071, 072*	22	3-1/4	13,700	15,800	17,800	19,800	21,800
		134a	3-1/4	9,230	10,400	11,600	13,000	14,400
		404A	3-1/4	13,900	15,400	16,900	18,500	20,200
		407A	3-1/4		14,700	16,400	18,100	20,000
		407C	3-1/4	11,700	13,700	15,800	17,800	19,900
FFAP-040Z-CFV, TFC, TFD	071, 072*	22	4	16,100	18,500	20,900	23,300	25,800
		134a	4	10,500	11,900	13,400	15,000	16,700
		404A	4	16,400	18,200	20,200	22,300	24,500
		407A	4	14,900	16,900	18,900	21,100	23,400
		407C	4	14,600	17,000	19,500	22,000	24,600
FFAP-042Z-CFV, TFC, TFD	071, 072*	22	4-1/4	19,700	22,600	25,500	28,400	31,400
		134a	4-1/4	12,900	14,600	16,400	18,400	20,400
		404A	4-1/4	20,400	22,600	25,000	27,500	30,200
		407A	4-1/4	19,500	22,100	24,700	27,500	30,400
		407C	4-1/4	16,800	19,700	22,600	25,600	28,700
FFAP-050Z-CFV, TFC, TFD, TFE	071, 072** 075***	22	5	23,900	26,300	28,900	31,800	34,800
		134a	5	14,700	16,500	18,500	20,700	23,000
		404A	5	22,600	24,800	27,100	29,600	32,200
		407A	5					
		407C	5	17,900	20,600	23,600	26,900	30,600

Performance @ 40°F return gas (65°F return gas for performance in bold), 5°F subcooling.

* -TFD not available

** -TFD or TFE not available

*** -TFE only

Copeland Scroll™ air-cooled condensing units

Capacity Data

LOW/MED/HIGH TEMP		Capacity (BTU/Hr) at 110° Ambient - Evaporator Temp (°F)						
Model	BOM	Refrig.	H.P.	+25	+30	+35	+40	+45
FFAP-015Z-CFV, TFC, TFD	075, 072	22	1-1/2	11,400	11,100	12,200	13,200	
		134a	1-1/2	6,690	7,390	8,150	8,970	9,840
		404A	1-1/2	9,910	10,700	11,500	12,300	13,200
		407A	1-1/2	9,270	10,200	11,100	12,200	13,300
		407C	1-1/2	9,060	10,080	11,100	12,100	13,100
FFAP-017Z-CFV, TFC, TFD	075, 072	22	1-3/4	11,700	12,800			
		134a	1-3/4	7,860	8,680	9,560	10,500	11,500
		404A	1-3/4	10,800	11,800	12,900		
		407A	1-3/4	10,800	11,800	12,900	14,100	15,400
		407C	1-3/4	10,800	12,000	13,200	14,300	15,500
FFAP-020Z-CFV, TFC, TFD	071, 072	22	2	13,500	14,800	16,200		
		134a	2	8,990	9,930	10,900	12,000	13,200
		404A	2	13,300	14,400	15,400	16,500	17,600
		407A	2	12,400	13,600	14,800	16,200	17,700
		407C	2	12,200	13,550	14,900	16,200	17,500
FFAP-022Z-CFV, TFC, TFD	071, 072*	22	2-1/4	16,300	17,800	19,400	21,100	22,800
		134a	2-1/4	10,900	12,100	13,300	14,600	16,100
		404A	2-1/4	15,800	17,300	18,800	20,600	22,600
		407A	2-1/4	15,000	16,500	18,000	19,700	21,500
		407C	2-1/4	15,400	17,000	18,500	20,100	21,700
FFAP-030Z-CFV, TFC, TFD	071, 072*	22	3	18,500	20,300	22,200	24,200	26,400
		134a	3	12,500	13,800	15,300	16,800	18,400
		404A	3	18,600	20,100	21,700	23,300	25,000
		407A	3	17,400	19,100	20,900	22,900	25,100
		407C	3	17,700	19,500	21,300	23,500	25,800
FFAP-032Z-CFV, TFC, TFD	071, 072*	22	3-1/4	24,300	26,500	28,800	31,200	33,700
		134a	3-1/4	16,300	18,000	19,800	21,800	23,800
		404A	3-1/4	23,800	25,600	27,500	29,400	31,400
		407A	3-1/4	22,900	25,000	27,200	29,500	32,000
		407C	3-1/4	22,500	24,700	27,000	29,300	31,700
FFAP-040Z-CFV, TFC, TFD	071, 072*	22	4	28,500	31,300	34,300	37,500	40,900
		134a	4	19,000	21,100	23,300	25,700	28,300
		404A	4	28,800	31,600	34,700	38,000	42,100
		407A	4	26,800	29,400	32,300	35,300	38,500
		407C	4	27,800	30,600	33,500	36,900	40,700
FFAP-042Z-CFV, TFC, TFD	071, 072*	22	4-1/4	34,700	38,100	41,700	45,500	49,600
		134a	4-1/4	23,300	25,800	28,500	31,300	34,400
		404A	4-1/4	34,500	37,900	41,600	45,700	50,000
		407A	4-1/4	34,900	38,300	41,900	45,700	50,000
		407C	4-1/4	32,400	35,700	39,100	42,600	46,200
FFAP-050Z-CFV, TFC, TFD, TFE	071, 072** 075***	22	5	38,600	42,200	45,900	49,900	54,000
		134a	5	26,200	29,000	31,900	35,100	38,400
		404A	5	37,900	41,100	44,500	48,100	52,000
		407A	5					
		407C	5	35,600	39,700	43,900	48,100	52,400

Performance @ 40°F return gas (65°F return gas for performance in bold), 5°F subcooling.

* -TFD not available

** -TFD or TFE not available

*** -TFE only

Copeland Scroll™ air-cooled condensing units

Physical and Electrical Data

Model	Refrig.	Comp	Overall Dimensions (in)			Refrigerant Connecting Lines (in)		Minimum Circuit Ampacity - Max Fuse Size				Pump Down Capacity (lbs)	Ship Weight (lbs)
			L	W	H	Suction	Liquid	208/230-1	230-3	460-3	575-3		
FFAP-015Z-CFV, TFC, TFD	22	ZS09KAE-PFV, TF5, TFD	24.0	18.3	16.6	7/8 S	3/8 S	13.9 - 20	11.4 - 15	6.4 - 15		7.4	130
	134a											7.5	
	404A											6.4	
	407A											7.0	
	407C											6.9	
FFAP-017Z-CFV, TFC, TFD	22	ZS11KAE-PFV, TF5, TFD	24.1	18.3	16.6	7/8 S	3/8 S	17.2 - 25	14.4 - 20	7.0 - 15		13	191
	134a											13.1	
	404A											11.2	
	407A											12.2	
	407C											11.4	
FFAP-020Z-CFV, TFC, TFD	22	ZS13KAE-PFV, TF5, TFD	25.2	34	19	7/8 S	3/8 S	16.8 - 25	13.9 - 20	7.1 - 15		13	191
	134a											13.1	
	404A											11.2	
	407A											12.2	
	407C											11.4	
FFAP-022Z-CFV, TFC, TFD	22	ZS15KAE-PFV, TF5, TFD	25.2	34	19	7/8 S	3/8 S	22.4 - 35	16.1 - 20	10 - 15		13	209
	134a											13.1	
	404A											11.2	
	407A											12.2	
	407C											11.4	
FFAP-030Z-CFV, TFC, TFD	22	ZS19KAE-PFV, TF5, TFD	25.2	34.1	19	7/8 S	3/8 S	25.3 - 40	19.9 - 30	11.3 - 15		13	209
	134a											13.1	
	404A											11.2	
	407A											12.2	
	407C											11.4	
FFAP-032Z-CFV, TFC, TFD	22	ZS21KAE-PFV, TF5, TFD	25.2	34.1	19	7/8 S	3/8 S	31.8 - 50	21.8 - 30	11.8 - 15		21.5	290
	134a											21.8	
	404A											18.7	
	407A											20.3	
	407C											18.3	
FFAP-040Z-CFV, TFC, TFD	22	ZS26KAE-PFV, TF5, TFD	28.2	44.1	26.8	1 1/8 S	1/2 S	33.1 - 50	23 - 35	11 - 15		21.5	296
	134a											21.8	
	404A											18.7	
	407A											20.3	
	407C											18.3	
FFAP-042Z-CFV, TFC, TFD	22	ZS33KAE-PFV, TF5, TFD	28.2	44.1	26.8	1 1/8 S	1/2 S	38.9 - 60	31.5 - 50	14.9 - 20		21.5	296
	134a											21.8	
	404A											18.7	
	407A											20.3	
	407C											18.3	
FFAP-050Z-CFV, TFC, TFD, TFE	22	ZS38K4E-PFV, TF5, TFD, TFE	28.6	44.1	26.9	1 1/8 S	1/2 S	43.4 - 70	30.4 - 45	14.4 - 20	11.9 - 15	21.5	297
	134a											21.8	
	404A											18.7	
	407A											20.3	
	407C												

Pumpdown capacity is receiver volume only at 90%, 90°F ambient.

Hood Selection

Copeland™ Model	Flex-Line Hood
FFAP-015Z	505-7066-01
FFAP-017Z	505-7066-01
FFAP-020Z	505-7066-02
FFAP-022Z	505-7066-02
FFAP-030Z	505-7066-02
FFAP-032Z	505-7066-02
FFAP-040Z	505-7066-03
FFAP-042Z	505-7066-03
FFAP-050Z	505-7066-03



NOTE: See appendix for Flex-Line hood information

Emerson™ Electronic Unit Controller



Part #	Description
943-0152-00	115V Electronic Unit Controller
943-0153-00	230V Electronic Unit Controller
943-0154-00	115V Electronic Unit Controller with Fan Cycling
943-0155-00	230V Electronic Unit Controller with Fan Cycling
929-0114-00	Electronic Unit Controller Suction Pressure Transducer (150 PSIA)
929-0113-00	DLT Sensor Kit

Copeland Scroll™ water-cooled condensing units

Capacity Data

LOW/MED/HIGH TEMP		Capacity (BTU/Hr) at 105° Condensing Temp - Evaporator Temp (°F)							
Model	BOM	Refrig.	H.P.	-30	-25	-20	-15	-10	-5
FFWP-015Z-CFV, TFC, TFD	020	22	1-1/2						
		134a	1-1/2						
		404A	1-1/2	3,230	3,670	4,140	4,670	5,240	5,890
		407A	1-1/2		3,330	3,960	4,590	5,240	5,910
		407C	1-1/2						
FFWP-017Z-CFV, TFC, TFD	020	22	1-3/4						
		134a	1-3/4						
		404A	1-3/4	3,990	4,520	5,110	5,750	6,470	7,260
		407A	1-3/4		3,980	4,720	5,480	6,250	7,060
		407C	1-3/4						
FFWP-020Z-CFV, TFC, TFD	020	22	2						
		134a	2						
		404A	2	4,400	4,990	5,630	6,350	7,140	8,010
		407A	2		4,540	5,390	6,250	7,140	8,060
		407C	2						
FFWP-022Z-CFV, TFC, TFD	020	22	2-1/4						
		134a	2-1/4						
		404A	2-1/4	5,300	6,010	6,790	7,650	8,600	9,650
		407A	2-1/4		5,470	6,500	7,540	8,610	9,720
		407C	2-1/4						
FFWP-030Z-CFV, TFC, CFZ, TFD	020	22	3						
		134a	3						
		404A	3	6,340	7,190	8,120	9,150	10,300	11,500
		407A	3		6,180	7,340	8,510	9,710	11,000
		407C	3						
FFWP-032Z-CFV, TFC, TFD	020	22	3-1/4						
		134a	3-1/4						
		404A	3-1/4	8,220	9,320	10,500	11,900	13,300	15,000
		407A	3-1/4		7,160	8,680	10,300	11,900	13,700
		407C	3-1/4						
FFWP-040Z-CFV,TFC,TFD	020	22	4						
		134a	4					8,850	10,200
		404A	4	9,390	10,600	12,000	13,600	15,200	17,100
		407A	4		7,940	9,640	11,400	13,300	15,200
		407C	4		4,430	6,730	9,050	11,400	13,800
FFWP-042Z-CFV, TFC, TFD	020	22	4-1/4						
		134a	4-1/4						
		404A	4-1/4	11,300	12,800	14,500	16,300	18,400	20,600
		407A	4-1/4		10,400	12,700	15,000	17,400	20,000
		407C	4-1/4						
FFWP-050Z-CFV, TFC, TFD, TFE	020	22	5						
		134a	5						
		404A	5	14,100	15,900	17,900	20,100	22,500	25,000
		407A	5						
		407C	5						

Performance @ 40°F return gas (65°F return gas for performance in **bold**), 5°F subcooling.

Copeland Scroll™ water-cooled condensing units

Capacity Data

LOW/MED/HIGH TEMP		Capacity (BTU/Hr) at 105° Condensing Temp - Evaporator Temp (°F)						
Model	BOM	Refrig.	H.P.	0	+5	+10	+15	+20
FFWP-015Z-CFV, TFC, TFD	020	22	1-1/2	6,770	7,740	8,720	9,750	10,800
		134a	1-1/2	4,070	4,620	5,220	5,870	6,590
		404A	1-1/2	6,590	7,370	8,230	9,180	10,200
		407A	1-1/2	6,630	7,410	8,250	9,170	10,200
		407C	1-1/2	5,750	6,670	7,620	8,630	9,700
FFWP-017Z-CFV, TFC, TFD	020	22	1-3/4	7,970	9,100	10,300	11,500	12,700
		134a	1-3/4	4,850	5,510	6,230	7,010	7,870
		404A	1-3/4	8,130	9,090	10,200	11,300	12,600
		407A	1-3/4	7,920	8,850	9,850	11,000	12,200
		407C	1-3/4	6,870	7,960	9,100	10,300	11,600
FFWP-020Z-CFV, TFC, TFD	020	22	2	9,160	10,500	11,800	13,200	14,600
		134a	2	5,540	6,290	7,110	8,010	8,990
		404A	2	8,970	10,000	11,200	12,500	13,900
		407A	2	9,050	10,100	11,300	12,500	13,900
		407C	2	7,840	9,090	10,400	11,800	13,200
FFWP-022Z-CFV, TFC, TFD	020	22	2-1/4	10,800	12,300	13,900	15,500	17,200
		134a	2-1/4	6,680	7,590	8,570	9,650	10,800
		404A	2-1/4	10,800	12,100	13,500	15,100	16,800
		407A	2-1/4	10,900	12,200	13,600	15,100	16,700
		407C	2-1/4	9,450	11,000	12,500	14,200	15,900
FFWP-030Z-CFV, TFC, CFZ, TFD	020	22	3	12,200	14,000	15,800	17,600	19,600
		134a	3	7,540	8,560	9,680	10,900	12,200
		404A	3	12,900	14,500	16,200	18,000	20,100
		407A	3	12,300	13,700	15,300	17,000	18,900
		407C	3			14,500	16,400	18,500
FFWP-032Z-CFV, TFC, TFD	020	22	3-1/4	16,400	18,800	21,200	23,600	26,300
		134a	3-1/4	10,100	11,500	13,000	14,600	16,400
		404A	3-1/4	16,800	18,700	20,900	23,300	26,000
		407A	3-1/4	15,600	17,700	19,900	22,300	25,000
		407C	3-1/4	14,300	16,600	19,000	21,500	24,200
FFWP-040Z-CFV, TFC, TFD	020	22	4	18,200	20,800	23,500	26,200	29,100
		134a	4	11,600	13,200	14,900	16,800	18,900
		404A	4	19,200	21,400	23,900	26,700	29,700
		407A	4	17,400	19,600	22,100	24,800	27,700
		407C	4	16,300	18,900	21,600	24,500	27,500
FFWP-042Z-CFV, TFC, TFD	020	22	4-1/4	22,600	25,900	29,200	32,600	36,200
		134a	4-1/4	14,000	15,800	17,900	20,200	22,600
		404A	4-1/4	23,100	25,800	28,900	32,200	35,800
		407A	4-1/4	22,800	25,800	29,000	32,600	36,400
		407C	4-1/4	19,700	22,900	26,200	29,600	33,300
FFWP-050Z-CFV, TFC, TFD, TFE	020	22	5	26,200	29,300	32,600	36,300	40,200
		134a	5	16,000	18,100	20,400	23,000	25,800
		404A	5	27,900	30,900	34,300	37,900	41,900
		407A	5					
		407C	5	22,500	26,200	30,400	35,000	39,900

Performance @ 40°F return gas (65°F return gas for performance in **bold**), 5°F subcooling.

Copeland Scroll™ water-cooled condensing units

Capacity Data

LOW/MED/HIGH TEMP		Capacity (BTU/Hr) at 105° Condensing Temp - Evaporator Temp (°F)						
Model	BOM	Refrig.	H.P.	+25	+30	+35	+40	+45
FFWP-015Z-CFV, TFC, TFD	020	22	1-1/2	12,100	13,300	14,700	16,100	17,700
		134a	1-1/2	7,620	8,500	9,460	10,500	11,600
		404A	1-1/2	11,400	13,600	14,900	16,400	18,000
		407A	1-1/2	12,000	13,300	14,700	16,300	18,300
		407C	1-1/2	11,100	12,300	13,600	15,000	16,500
FFWP-017Z-CFV, TFC, TFD	020	22	1-3/4	14,200	15,700	17,300	19,000	20,900
		134a	1-3/4	9,090	10,100	11,300	12,500	13,900
		404A	1-3/4	14,900	16,600	18,400	20,400	22,700
		407A	1-3/4	14,300	15,900	17,600	19,500	21,800
		407C	1-3/4	13,300	14,700	16,300	18,000	19,700
FFWP-020Z-CFV, TFC, TFD	020	22	2	16,400	18,000	19,900	21,800	24,000
		134a	2	10,400	11,600	12,900	14,300	15,900
		404A	2	17,000	18,800	20,900	23,200	25,800
		407A	2	16,300	18,100	20,100	22,200	24,900
		407C	2	15,100	16,800	18,600	20,500	22,500
FFWP-022Z-CFV, TFC, TFD	020	22	2-1/4	19,200	21,200	23,400	25,700	28,200
		134a	2-1/4	12,500	14,000	15,600	17,300	19,100
		404A	2-1/4	20,400	22,700	25,200	28,000	31,100
		407A	2-1/4	19,700	21,800	24,200	26,800	30,000
		407C	2-1/4	18,300	20,300	22,400	24,700	27,200
FFWP-030Z-CFV, TFC, CFZ, TFD	020	22	3	21,900	24,100	26,500	29,200	32,000
		134a	3	14,100	15,800	17,500	19,500	21,600
		404A	3	22,900	25,200	27,700	30,500	33,400
		407A	3	22,200	24,600	27,300	30,200	33,800
		407C	3	20,600	22,800	25,300	27,800	30,600
FFWP-032Z-CFV, TFC, TFD	020	22	3-1/4	29,400	32,400	35,600	39,200	43,000
		134a	3-1/4	19,000	21,200	23,600	26,200	29,000
		404A	3-1/4	30,700	34,100	37,900	42,100	46,700
		407A	3-1/4	28,600	31,800	35,300	39,100	43,200
		407C	3-1/4	27,700	30,700	34,000	37,500	41,200
FFWP-040Z-CFV, TFC, TFD	020	22	4	32,600	35,900	39,500	43,400	47,700
		134a	4	21,000	23,500	26,100	29,000	32,200
		404A	4	32,900	36,500	40,400	44,700	49,300
		407A	4	32,700	36,400	40,400	44,700	49,900
		407C	4	30,600	34,000	37,600	41,500	45,600
FFWP-042Z-CFV, TFC, TFD	020	22	4-1/4	40,500	44,600	49,100	54,000	59,300
		134a	4-1/4	26,100	29,200	32,500	36,100	40,000
		404A	4-1/4	43,000	47,700	53,000	58,800	65,300
		407A	4-1/4	41,700	46,400	51,500	57,000	63,500
		407C	4-1/4	38,100	42,300	46,800	51,600	56,800
FFWP-050Z-CFV, TFC, TFD, TFE	020	22	5	44,800	49,400	54,300	59,500	65,100
		134a	5	29,800	33,200	36,900	40,800	45,200
		404A	5	48,700	53,500	58,800	64,400	70,400
		407A	5					
		407C	5	45,000	50,400	55,900	61,500	67,200

Performance @ 40°F return gas (65°F return gas for performance in **bold**), 5°F subcooling.

Copeland Scroll™ water-cooled condensing units

Physical and Electrical Data

Model	Refrig.	Comp	Overall Dimensions (In)			Connecting Lines		Water Connections		Minimum Circuit Ampacity - Max Fuse Size				Pump Down Capacity (lbs)	Ship Weight (lbs)
			L	W	H	Suction	Liquid	In	Out	208/230-1	230-3	460-3	575-3		
FFWP-015Z-CFV, TFC, TFD	22	ZS09KAE-PFV, TF5, TFD	24.0	16.1	16.6	7/8 S	3/8 S	3/8 FPT	5/8 OD	12.5 - 20	10 - 15	4.8 - 15		13	99
	134a													13.1	
	404A													11.2	
	407A													12.2	
	407C													11.4	
FFWP-017Z-CFV, TFC, TFD	22	ZS11KAE-PFV, TF5, TFD	24.0	16.1	16.6	7/8 S	3/8 S	3/8 FPT	5/8 OD	15.8 - 25	13 - 20	5.4 - 15		13	103
	134a													13.1	
	404A													11.2	
	407A													12.2	
	407C													11.4	
FFWP-020Z-CFV, TFC, TFD	22	ZS13KAE-PFV, TF5, TFD	24.0	16.1	16.6	7/8 S	3/8 S	3/8 FPT	5/8 OD	15 - 25	12.1 - 20	6 - 15		13	105
	134a													13.1	
	404A													11.2	
	407A													12.2	
	407C													11.4	
FFWP-022Z-CFV, TFC, TFD	22	ZS15KAE-PFV, TF5, TFD	24.0	16.1	16.6	7/8 S	3/8 S	3/8 FPT	5/8 OD	19.6 - 35	13.3 - 20	6.8-15		13	106
	134a													13.1	
	404A													11.2	
	407A													12.2	
	407C													11.4	
FFWP-030Z-CFV, TFC, TFD	22	ZS19KAE-PFV, TF5, TFD	24.1	16.1	16.6	7/8 S	3/8 S	3/8 FPT	5/8 OD	22.5-40	13.3-20	6.8-15		13	118
	134a													13.1	
	404A													11.2	
	407A													12.2	
	407C													11.4	
FFWP-032Z-CFV, TFC, TFD	22	ZS21KAE-PFV, TF5, TFD	27.2	21.5	18.2	1 1/8 S	3/8 S	1/2 FPT	7/8 OD	23.1 - 40	13.9 - 20	7 - 15		13	164
	134a													13.1	
	404A													11.2	
	407A													12.2	
	407C													11.4	
FFWP-040Z-CFV, TFC, TFD	22	ZS26KAE-PFV, TF5, TFD	27.5	21	21.1	1 1/8 S	1/2 S	3/4 FPT	7/8 OD	29.5-50	19.4-30	21-27.5		21.5	190
	134a													21.8	
	404A													18.7	
	407A													20.3	
	407C													18.3	
FFWP-042Z-CFV, TFC, TFD	22	ZS33KAE-PFV, TF5, TFD	27.2	21.6	21.1	1 1/8 S	1/2 S	3/4 FPT	7/8 OD	35.3 - 60	27.9-50	21-27.5		21.5	195
	134a													21.8	
	404A													18.7	
	407A													20.3	
	407C													18.3	
FFWP-050Z-CFV, TFC, TFD, TFE	22	ZS38K4E-PFV, TF5, TFD, TFE	27.5	21.7	21.1	1 1/8 S	1/2 S	3/4 FPT	7/8 OD	39.8 - 70	26.8 - 45	12 - 20	9.9-15	21.5	218
	134a													21.8	
	404A													18.7	
	407A													20.3	
	407C													18.3	

Pumpdown capacity is receiver volume only at 90%, 90°F ambient.

Copeland Scroll™ air-cooled condensing units

Capacity Data

MED/HIGH TEMP		Capacity (BTU/Hr) at 90° Ambient - Evaporator Temp (°F)							
Model	BOM	Refrig.	H.P.	-30	-25	-20	-15	-10	-5
FPAK-010Z-CFV,TFC,TFD	072	134a	1						
		404A	1	3,410	3,830	4,290	4,770	5,290	5,840
FPAK-012Z-CFV,TFC,TFD	072	134a	1-1/4						
		404A	1-1/4	3,950	4,430	4,940	5,490	6,060	6,670
FPAK-013Z-CFV,TFC,TFD	072, 075	134a	1-1/3						
		404A	1-1/3	5,680	6,390	7,150	7,970	8,850	9,780
FPAK-015Z-CFV,TFC,TFD	072, 075	134a	1-1/2						
		404A	1-1/2	6,310	7,090	7,930	8,810	9,760	10,800
FPAK-020Z-CFV,TFC,TFD	071, 072	134a	2						
		404A	2	8,520	9,580	10,700	12,000	13,300	14,700
FPAK-039Z-CFV,TFC,TFD	071	134a	4						
		404A	4	9,530	10,700	12,100	13,500	15,000	16,700

Model	BOM	Refrig.	H.P.	0	+5	+10	+15	+20
FPAK-010Z-CFV,TFC,TFD	072	134a	1	4,020	4,520	5,060	5,620	6,230
		404A	1	6,410				
FPAK-012Z-CFV,TFC,TFD	072	134a	1-1/4	4,730	5,300	5,920	6,560	7,250
		404A	1-1/4	7,290				
FPAK-013Z-CFV,TFC,TFD	072, 075	134a	1-1/3	6,640	7,470	8,360	9,300	10,300
		404A	1-1/3	10,800				
FPAK-015Z-CFV,TFC,TFD	072, 075	134a	1-1/2	7,410	8,330	9,310	10,300	11,500
		404A	1-1/2	11,800				
FPAK-020Z-CFV,TFC,TFD	071, 072	134a	2	10,000	11,300	12,600	14,000	15,500
		404A	2	16,100				
FPAK-039Z-CFV,TFC,TFD	071	134a	4	12,600	14,200	15,900	17,700	19,700
		404A	4	18,400				

Model	BOM	Refrig.	H.P.	+25	+30	+35	+40	+45
FPAK-010Z-CFV,TFC,TFD	072	134a	1	7,100	7,810	8,570	9,370	10,200
		404A	1					
FPAK-012Z-CFV,TFC,TFD	072	134a	1-1/4	8,250	9,060	9,910	10,800	11,700
		404A	1-1/4					
FPAK-013Z-CFV,TFC,TFD	072, 075	134a	1-1/3	11,800	13,000	14,200	15,600	17,000
		404A	1-1/3					
FPAK-015Z-CFV,TFC,TFD	072, 075	134a	1-1/2	13,100	14,300	15,700	17,200	18,700
		404A	1-1/2					
FPAK-020Z-CFV,TFC,TFD	071, 072	134a	2	17,700	19,500	21,400	23,400	25,600
		404A	2					
FPAK-039Z-CFV,TFC,TFD	071	134a	4	22,500	24,800	27,200	29,800	32,600
		404A	4					

Performance @ 40°F return gas (65°F return gas for performance in **bold**), 5°F subcooling.

Copeland Scroll™ air-cooled condensing units

Capacity Data

MED/HIGH TEMP		Capacity (BTU/Hr) at 100° Ambient - Evaporator Temp (°F)							
Model	BOM	Refrig.	H.P.	-30	-25	-20	-15	-10	-5
FPAK-010Z-CFV,TFC,TFD	072	134a	1						
		404A	1		3,560	3,960	4,390	4,850	5,340
FPAK-012Z-CFV,TFC,TFD	072	134a	1-1/4						
		404A	1-1/4		4,100	4,560	5,030	5,540	6,070
FPAK-013Z-CFV,TFC,TFD	072, 075	134a	1-1/3						
		404A	1-1/3		5,940	6,630	7,360	8,140	8,970
FPAK-015Z-CFV,TFC,TFD	072, 075	134a	1-1/2						
		404A	1-1/2		6,580	7,330	8,120	8,960	9,850
FPAK-020Z-CFV,TFC,TFD	071, 072	134a	2						
		404A	2		8,910	9,940	11,000	12,200	13,400
FPAK-039Z-CFV,TFC,TFD	071	134a	4						
		404A	4		10,000	11,200	12,500	13,800	15,300

Model	BOM	Refrig.	H.P.	0	+5	+10	+15	+20
FPAK-010Z-CFV,TFC,TFD	072	134a	1		4,260	4,750	5,280	5,840
		404A	1	5,830				
FPAK-012Z-CFV,TFC,TFD	072	134a	1-1/4		4,980	5,550	6,140	6,780
		404A	1-1/4	6,600				
FPAK-013Z-CFV,TFC,TFD	072, 075	134a	1-1/3		7,040	7,870	8,750	9,690
		404A	1-1/3	9,820				
FPAK-015Z-CFV,TFC,TFD	072, 075	134a	1-1/2		7,840	8,750	9,710	10,700
		404A	1-1/2	10,800				
FPAK-020Z-CFV,TFC,TFD	071, 072	134a	2		10,600	11,900	13,200	14,600
		404A	2	14,700				
FPAK-039Z-CFV,TFC,TFD	071	134a	4	11,900	13,400	15,000	16,700	18,500
		404A	4	16,800				

Model	BOM	Refrig.	H.P.	+25	+30	+35	+40	+45
FPAK-010Z-CFV,TFC,TFD	072	134a	1	6,670	7,340	8,040	8,790	9,580
		404A	1					
FPAK-012Z-CFV,TFC,TFD	072	134a	1-1/4	7,740	8,480	9,270	10,100	11,000
		404A	1-1/4					
FPAK-013Z-CFV,TFC,TFD	072, 075	134a	1-1/3	11,100	12,200	13,400	14,600	16,000
		404A	1-1/3					
FPAK-015Z-CFV,TFC,TFD	072, 075	134a	1-1/2	12,300	13,500	14,800	16,100	17,600
		404A	1-1/2					
FPAK-020Z-CFV,TFC,TFD	071, 072	134a	2	16,700	18,400	20,200	22,100	24,100
		404A	2					
FPAK-039Z-CFV,TFC,TFD	071	134a	4	21,100	23,300	25,600	28,000	30,700
		404A	4					

Performance @ 40°F return gas (65°F return gas for performance in **bold**), 5°F subcooling.

Copeland Scroll™ air-cooled condensing units

Capacity Data

MED/HIGH TEMP		Capacity (BTU/Hr) at 110° Ambient - Evaporator Temp (°F)							
Model	BOM	Refrig.	H.P.	-30	-25	-20	-15	-10	-5
FPAK-010Z-CFV,TFC,TFD	072	134a	1						
		404A	1				3,960	4,350	4,760
FPAK-012Z-CFV,TFC,TFD	072	134a	1-1/4						
		404A	1-1/4					4,930	5,380
FPAK-013Z-CFV,TFC,TFD	072, 075	134a	1-1/3						
		404A	1-1/3			6,020	6,650	7,330	8,040
FPAK-015Z-CFV,TFC,TFD	072, 075	134a	1-1/2						
		404A	1-1/2				7,310	8,030	8,790
FPAK-020Z-CFV,TFC,TFD	071, 072	134a	2						
		404A	2			9,040	10,000	11,000	12,100
FPAK-039Z-CFV,TFC,TFD	071	134a	4						
		404A	4			11,400	12,700	14,000	15,400

Model	BOM	Refrig.	H.P.	0	+5	+10	+15	+20
FPAK-010Z-CFV,TFC,TFD	072	134a	1			4,410	4,900	5,410
		404A	1	5,180				
FPAK-012Z-CFV,TFC,TFD	072	134a	1-1/4				5,680	6,260
		404A	1-1/4	5,820				
FPAK-013Z-CFV,TFC,TFD	072, 075	134a	1-1/3			7,320	8,130	9,000
		404A	1-1/3	8,770				
FPAK-015Z-CFV,TFC,TFD	072, 075	134a	1-1/2			8,120	9,010	9,950
		404A	1-1/2	9,560				
FPAK-020Z-CFV,TFC,TFD	071, 072	134a	2			11,100	12,300	13,600
		404A	2	13,200				
FPAK-039Z-CFV,TFC,TFD	071	134a	4			14,000	15,500	17,200
		404A	4	16,800				

Model	BOM	Refrig.	H.P.	+25	+30	+35	+40	+45
FPAK-010Z-CFV,TFC,TFD	072	134a	1	6,210	6,820	7,470	8,160	8,900
		404A	1					
FPAK-012Z-CFV,TFC,TFD	072	134a	1-1/4	7,160	7,850	8,570	9,350	10,200
		404A	1-1/4					
FPAK-013Z-CFV,TFC,TFD	072, 075	134a	1-1/3	10,300	11,400	12,500	13,600	14,900
		404A	1-1/3					
FPAK-015Z-CFV,TFC,TFD	072, 075	134a	1-1/2	11,400	12,500	13,700	15,000	16,300
		404A	1-1/2					
FPAK-020Z-CFV,TFC,TFD	071, 072	134a	2	15,600	17,200	18,800	20,600	22,500
		404A	2					
FPAK-039Z-CFV,TFC,TFD	071	134a	4	19,700	21,700	23,900	26,200	28,600
		404A	4					

Performance @ 40°F return gas (65°F return gas for performance in **bold**), 5°F subcooling.

Copeland Scroll™ air-cooled condensing units

Physical and Electrical Data

Model	Refrig.	Comp	Overall Dimensions (in)			Refrigerant Connecting Lines (in)		Minimum Circuit Ampacity - Max Fuse Size				Pump Down Capacity (lbs)	Ship Weight (lbs)
			L	W	H	Suction	Liquid	208/230-1	230-3	460-3	575-3		
FPAK-010Z-CFV,TFC,TFD	134a	ZS09KAE-PFV, TF5, TFD	24.0	17.1	16.6	5/8	3/8	13.7-20	11.2-15	5.5-15		7.4	98
	404A											6.3	
FPAK-012Z-CFV,TFC,TFD	134a	ZS11KAE-PFV, TF5, TFD	24.0	17.1	16.6	5/8	3/8	16.9-25	14.2-20	6.2-15		7.4	103
	404A											6.3	
FPAK-013Z-CFV,TFC,TFD	134a	ZS15KAE-PFV, TF5, TFD	24.1	18.3	16.6	5/8	3/8	21-35	14.7-20	8.4-15		7.4	109
	404A											6.3	
FPAK-015Z-CFV,TFC,TFD	134a	ZS19KAE-PFV, TF5, TFD	24.1	18.3	16.6	5/8	3/8	23.9-40	18.5-30	9.7-15		7.4	117
	404A											6.3	
FPAK-020Z-CFV,TFC,TFD	134a	ZS21KAE-PFV, TF5, TFD	25.0	34.1	19	5/8	3/8	31.8-50	21.8-30	11.8-15		12.9	197
	404A											11.1	
FPAK-039Z-CFV,TFC,TFD	134a	ZS29KAE-PFV, TF5, TFD	25.2	34.1	19	5/8	3/8	35.4-50	28.4-45	15-20		12.9	218
	404A											11.1	



NOTE:
See appendix
for Flex-Line
hood information



Hood Selection

Copeland™ Model	Flex-Line Hood
FPAK-010Z	505-7066-01
FFAK-012Z	505-7066-01
FFAK-013Z	505-7066-01
FFAK-015Z	505-7066-01
FFAK-020Z	505-7066-02
FFAK-039Z	505-7066-02

Emerson™ Electronic Unit Controller

Part #	Description
943-0152-00	115V Electronic Unit Controller
943-0153-00	230V Electronic Unit Controller
943-0154-00	115V Electronic Unit Controller with Fan Cycling
943-0155-00	230V Electronic Unit Controller with Fan Cycling
929-0114-00	Electronic Unit Controller Suction Pressure Transducer (150 PSIA)
929-0113-00	DLT Sensor Kit

Unit cross reference

Status	Product Number	Length (in)	Width (in)	Height (in)	Refrigerant	Application	Capacity	MCA / Fuse
Obsolete	F3AD-B151-CFV	24	18.3	16.9	22	HT	11300	14.2 - 20
Active	FFAP-015Z-CFV	24	18.3	16.6	22	HT	11400	13.9 - 20
Obsolete	FGAH-A151-CFV	24	18.3	16.9	22	HT	11300	14.2 - 20
Active	FFAP-015Z-CFV	24	18.3	16.6	22	HT	11400	13.9 - 20
Obsolete	F3AD-B151-TFC	24	18.3	16.9	22	HT	11300	10.4 - 15
Active	FFAP-015Z-TFC	24	18.3	16.6	22	HT	11400	11.4 - 15
Obsolete	FGAH-A151-TFC	24	18.3	16.9	22	HT	11300	10.4 - 15
Active	FFAP-015Z-TFC	24	18.3	16.6	22	HT	11400	11.4 - 15
Obsolete	F3AD-B151-TFD	24	18.3	16.9	22	HT	11100	5.4 - 15
Active	FFAP-015Z-TFD	24	18.3	16.6	22	HT	11400	6.4 - 15
Obsolete	FGAH-A151-TFD	24	18.3	16.9	22	HT	11300	5.4 - 15
Active	FFAP-015Z-TFD	24	18.3	16.6	22	HT	11400	6.4 - 15
Obsolete	F3WD-C151-CFV	24	16.1	15	22	HT	13500	11.3 - 20
Active	FFWP-015Z-CFV	24	16.1	16.6	22	HT	12100	12.5 - 20
Obsolete	FGWH-A151-CFV	24	16.7	14.3	22	HT	13500	11.3 - 20
Active	FFWP-015Z-CFV	24	16.1	16.6	22	HT	12100	12.5 - 20
Obsolete	F3WD-C151-TFC	24	16.1	14.2	22	HT	13500	7.5 - 15
Active	FFWP-015Z-TFC	24	16.1	16.6	22	HT	12100	10 - 15
Obsolete	FGWH-A151-TFC	24	16.7	14.3	22	HT	13500	7.5 - 15
Active	FFWP-015Z-TFC	24	16.1	16.6	22	HT	12100	10 - 15
Obsolete	F3WD-C151-TFD	24	16.1	15.4	22	HT	13500	3.8 - 15
Active	FFWP-015Z-TFD	24	16.1	16.6	22	HT	12100	4.8 - 15
Obsolete	FGWH-A151-TFD	24	16.7	15.4	22	HT	13500	3.8 - 15
Active	FFWP-015Z-TFD	24	16.1	16.6	22	HT	12100	4.8 - 15
Obsolete	F3AD-B201-CFV	25	34	19	22	HT	15400	19.2 - 30
Active	FFAP-020Z-CFV	25.2	34	19	22	HT	15200	16.8 - 25
Obsolete	FGAH-A201-CFV	25	34	19	22	HT	15400	19.2 - 30
Active	FFAP-020Z-CFV	25.2	34	19	22	HT	15200	16.8 - 25
Obsolete	FGAH-A201-TFD	25	34	19	22	HT	15400	6.1 - 15
Active	FFAP-020Z-TFD	25.2	34	19	22	HT	15200	7.1 - 15
Obsolete	FGAH-A201-TFC	25	34	19	22	HT	15400	11.7 - 15
Active	FFAP-020Z-TFC	25.2	34	19	22	HT	15200	13.9 - 20
Obsolete	F3AD-B201-TFD	25	34	19	22	HT	15800	6.1 - 15
Active	FFAP-020Z-TFD	25.2	34	19	22	HT	15200	7.1 - 15
Obsolete	F3AD-B201-TFC	25	34	19	22	HT	15800	11.7 - 15
Active	FFAP-020Z-TFC	25.2	34	19	22	HT	15200	13.9 - 20
Obsolete	F3WD-C201-CFV	24	16.1	15	22	HT	16900	16.9 - 30
Active	FFWP-020Z-CFV	24	16.1	16.6	22	HT	16400	15 - 25
Obsolete	FGWH-A201-CFV	24	16.7	15	22	HT	16900	16.9 - 30
Active	FFWP-020Z-CFV	24	16.1	16.6	22	HT	16400	15 - 25
Obsolete	F3WD-C201-TFC	24	16.1	14.2	22	HT	16900	9.4 - 15
Active	FFWP-020Z-TFC	24	16.1	16.6	22	HT	16400	12.1 - 20
Obsolete	FGWH-A201-TFC	24	16.7	14.3	22	HT	16900	9.4 - 15
Active	FFWP-020Z-TFC	24	16.1	16.6	22	HT	16400	12.1 - 20
Obsolete	F3WD-C201-TFD	24	16.1	15.4	22	HT	16900	4.6 - 15
Active	FFWP-020Z-TFD	24	16.1	16.6	22	HT	16400	6 - 15
Obsolete	FGWH-A201-TFD	24	16.7	15.4	22	HT	16900	4.6 - 15
Active	FFWP-020Z-TFD	24	16.1	16.6	22	HT	16400	6 - 15
Obsolete	F3AD-B225-CFV	25.1	34.1	19	22	HT	17100	21.1 - 30
Active	FFAP-022Z-CFV	25.2	34	19	22	HT	18300	22.4 - 35
Obsolete	F3AD-B225-TFD	25.1	34.1	19	22	HT	17100	7.0 - 15
Active	FFAP-022Z-TFD	25.2	34	19	22	HT	18300	10 - 15

Performance @ 25°F evaporator temp, 65°F return gas, 5°F subcooling, 90°F ambient.

Unit cross reference

Status	Product Number	Length (in)	Width (in)	Height (in)	Refrigerant	Application	Capacity	MCA / Fuse
Obsolete	F3AD-B225-TFC	25.1	34.1	19	22	HT	17100	13.3 - 15
Active	FFAP-022Z-TFC	25.2	34	19	22	HT	18300	16.1 - 20
Obsolete	FGAH-A225-CFV	25.1	34.1	19	22	HT	18100	21.1 - 30
Active	FFAP-022Z-CFV	25.2	34	19	22	HT	18300	22.4 - 35
Obsolete	FGAH-A225-TFC	25.1	34.1	19	22	HT	18100	13.3 - 15
Active	FFAP-022Z-TFC	25.2	34	19	22	HT	18300	16.1 - 20
Obsolete	FGAH-A225-TFD	25.1	34.1	19	22	HT	18100	7.0 - 15
Active	FFAP-022Z-TFD	25.2	34	19	22	HT	18300	10 - 15
Obsolete	F3WD-C225-CFV	24	16.1	15	22	HT	19300	18.8 - 30
Active	FFWP-022Z-CFV	24	16.1	16.6	22	HT	19200	19.6 - 35
Obsolete	FGWH-A225-CFV	24	16.7	15	22	HT	19300	18.8 - 30
Active	FFWP-022Z-CFV	24	16.1	16.6	22	HT	19200	19.6 - 35
Obsolete	F3WD-C225-TFC	24	16.1	14.6	22	HT	19300	11.0 - 15
Active	FFWP-022Z-TFC	24	16.1	16.6	22	HT	19200	13.3 - 20
Obsolete	FGWH-A225-TFC	24	16.7	14.6	22	HT	19300	11.0 - 15
Active	FFWP-022Z-TFC	24	16.1	16.6	22	HT	19200	13.3 - 20
Obsolete	F3AD-B301-CFV	25.2	34.1	19.1	22	HT	24600	28.9 - 40
Active	FFAP-032Z-CFV	25.2	34.1	19	22	HT	27400	31.8 - 50
Obsolete	FGAH-A301-CFV	25.2	34.1	19.1	22	HT	24600	28.9 - 40
Active	FFAP-032Z-CFV	25.2	34.1	19	22	HT	27400	31.8 - 50
Obsolete	F3AD-B301-TFC	25.2	34.1	19.1	22	HT	24600	19.7 - 20
Active	FFAP-032Z-TFC	25.2	34.1	19	22	HT	27400	21.8 - 30
Obsolete	FGAH-A301-TFC	25.2	34.1	19.1	22	HT	24600	19.7 - 20
Active	FFAP-032Z-TFC	25.2	34.1	19	22	HT	27400	21.8 - 30
Obsolete	F3AD-B301-TFD	25.2	34.1	19.1	22	HT	24600	10.2 - 15
Active	FFAP-032Z-TFD	25.2	34.1	19	22	HT	27400	11.8 - 15
Obsolete	FGAH-A301-TFD	25.2	34.1	19.1	22	HT	24600	10.2 - 15
Active	FFAP-032Z-TFD	25.2	34.1	19	22	HT	27400	11.8 - 15
Obsolete	FGAH-A325-TFD	25.2	34.1	18.9	22	HT	26400	10.6 - 15
Active	FFAP-032Z-TFD	25.2	34.1	19	22	HT	27400	11.8 - 15
Obsolete	FGAH-A325-CFV	25.2	34.1	18.9	22	HT	26400	30.1 - 40
Active	FFAP-032Z-CFV	25.2	34.1	19	22	HT	27400	31.8 - 50
Obsolete	FGAH-A325-TFC	25.2	34.1	18.9	22	HT	26400	22.2 - 25
Active	FFAP-032Z-TFC	25.2	34.1	19	22	HT	27400	21.8 - 30
Obsolete	F3AD-B325-CFV	25.2	34.1	18.9	22	HT	26500	30.1 - 40
Active	FFAP-032Z-CFV	25.2	34.1	19	22	HT	27400	31.8 - 50
Obsolete	F3AD-B325-TFC	25.2	34.1	18.9	22	HT	26500	22.2 - 25
Active	FFAP-032Z-TFC	25.2	34.1	19	22	HT	27400	21.8 - 30
Obsolete	F3AD-B325-TFD	25.2	34.1	18.9	22	HT	26500	10.6 - 15
Active	FFAP-032Z-TFD	25.2	34.1	19	22	HT	27400	11.8 - 15
Obsolete	F3WD-C301-CFV	26.2	21	15.4	22	HT	27300	23.1 - 40
Active	FFWP-032Z-CFV	27.2	21.5	18.2	22	HT	29400	23.1 - 40
Obsolete	FGWH-A301-CFV	25	21	15.5	22	HT	27300	23.1 - 40
Active	FFWP-032Z-CFV	27.2	21.5	18.2	22	HT	29400	23.1 - 40
Obsolete	F3WD-C301-TFC	25	21	15.8	22	HT	27300	13.9 - 20
Active	FFWP-032Z-TFC	27.2	21.5	18.2	22	HT	29400	13.9 - 20
Obsolete	FGWH-A301-TFC	25	21	15.8	22	HT	27300	13.9 - 20
Active	FFWP-032Z-TFC	27.2	21.5	18.2	22	HT	29400	13.9 - 20
Obsolete	F3WD-C301-TFD	25	21	15.8	22	HT	27300	7.0 - 15
Active	FFWP-032Z-TFD	27.2	21.5	18.2	22	HT	29400	7 - 15
Obsolete	FGWH-A301-TFD	25	21	15.8	22	HT	27300	7.0 - 15
Active	FFWP-032Z-TFD	27.2	21.5	18.2	22	HT	29400	7 - 15

Performance @ 25°F evaporator temp, 65°F return gas, 5°F subcooling, 90°F ambient.

Unit cross reference

Status	Product Number	Length (in)	Width (in)	Height (in)	Refrigerant	Application	Capacity	MCA / Fuse
Obsolete	F3WD-C325-CFV	26.2	21	15.4	22	HT	29700	24.3 - 40
Active	FFWP-032Z-CFV	27.2	21.5	18.2	22	HT	29400	23.1 - 40
Obsolete	F3WD-C325-TFC	25	21	16.1	22	HT	29700	16.4 - 25
Active	FFWP-032Z-TFC	27.2	21.5	18.2	22	HT	29400	13.9 - 20
Obsolete	F3WD-C325-TFD	25	21	16.1	22	HT	29700	7.4 - 15
Active	FFWP-032Z-TFD	27.2	21.5	18.2	22	HT	29400	7 - 15
Obsolete	FGWH-A325-TFD	25	21	15.5	22	HT	30200	7.4 - 15
Active	FFWP-032Z-TFD	27.2	21.5	18.2	22	HT	29400	7 - 15
Obsolete	FGWH-A325-TFC	25	21	15.5	22	HT	30200	16.4 - 25
Active	FFWP-032Z-TFC	27.2	21.5	18.2	22	HT	29400	13.9 - 20
Obsolete	FGWH-A325-CFV	25	21	15.5	22	HT	30200	24.3 - 40
Active	FFWP-032Z-CFV	27.2	21.5	18.2	22	HT	29400	23.1 - 40
Obsolete	FGAH-A401-CFV	24	18.3	16.1	22	HT	37500	39.9 - 60
Active	FFAP-042Z-CFV	24	18.3	16.1	22	HT	38700	38.9 - 60
Obsolete	FGAH-A401-CFV	24	18.3	16.1	22	HT	37500	39.9 - 60
Active	FFAP-042Z-CFV	24	18.3	16.1	22	HT	38700	38.9 - 60
Obsolete	FGAH-A401-TFC	28.2	44.1	26.8	22	HT	37500	26.1 - 40
Active	FFAP-042Z-TFC	24	18.3	16.1	22	HT	38700	31.5 - 50
Obsolete	F3AD-B401-TFC	28.2	44.1	26.9	22	HT	37600	26.1 - 40
Active	FFAP-042Z-TFC	24	18.3	16.1	22	HT	38700	31.5 - 50
Obsolete	F3WD-C401-CFV	26.8	21	21.1	22	HT	39400	36.3 - 60
Active	FFWP-042Z-CFV	27.2	21.6	21.1	22	HT	40500	35.3 - 60
Obsolete	FGWH-A401-CFV	26.8	21	21.1	22	HT	39400	36.3 - 60
Active	FFWP-042Z-CFV	27.2	21.6	21.1	22	HT	40500	35.3 - 60
Obsolete	F3WD-C401-TFC	26.8	21	21.1	22	HT	39400	22.5 - 40
Active	FFWP-042Z-TFC	27.2	21.6	21.1	22	HT	40500	27.9-50
Obsolete	FGWH-A401-TFC	26.8	21	21.1	22	HT	39400	22.5 - 40
Active	FFWP-042Z-TFC	27.2	21.6	21.1	22	HT	40500	27.9-50
Obsolete	F3AD-A501-TFC	28.6	44.1	26.9	22	HT	42700	30.3 - 45
Active	FFAP-050Z-TFC	28.6	44.1	26.9	22	HT	43100	30.4 -45
Obsolete	F3AD-A501-TFD	28.6	44.1	26.9	22	HT	42700	14.4 - 20
Active	FFAP-050Z-TFD	28.6	44.1	26.9	22	HT	43100	14.4 - 20
Obsolete	F3AD-A501-CFV	28.6	44.1	26.9	22	HT	42700	46.4 - 70
Active	FFAP-050Z-CFV	28.6	44.1	26.9	22	HT	43100	43.4 - 70
Obsolete	FGAH-A501-CFV	28.6	44.1	26.9	22	HT	43200	46.5 - 70
Active	FFAP-050Z-CFV	28.6	44.1	26.9	22	HT	43100	43.4 - 70
Obsolete	FGAH-A501-TFC	28.6	44.1	26.9	22	HT	43200	30.4 - 45
Active	FFAP-050Z-TFC	28.6	44.1	26.9	22	HT	43100	30.4 -45
Obsolete	FGAH-A501-TFD	28.6	44.1	26.9	22	HT	43200	14.4 - 20
Active	FFAP-050Z-TFD	28.6	44.1	26.9	22	HT	43100	14.4 - 20
Obsolete	F3WD-C501-CFV	25.8	21.8	21.1	22	HT	45100	42.9 - 70
Active	FFWP-050Z-CFV	27.5	21.7	21.1	22	HT	44800	39.8 - 70
Obsolete	FGWH-A501-CFV	25.8	21.8	21.1	22	HT	45100	42.9 - 70
Active	FFWP-050Z-CFV	27.5	21.7	21.1	22	HT	44800	39.8 - 70
Obsolete	F3WD-C501-TFC	25.8	21.8	21.1	22	HT	45100	26.8 - 45
Active	FFWP-050Z-TFC	27.5	21.7	21.1	22	HT	44800	26.8 - 45
Obsolete	FGWH-A501-TFC	25.8	21.8	21.1	22	HT	45100	26.8 - 45
Active	FFWP-050Z-TFC	27.5	21.7	21.1	22	HT	44800	26.8 - 45
Obsolete	F3WD-C501-TFD	25.8	21.8	21.1	22	HT	45100	12.0 - 20
Active	FFWP-050Z-TFD	27.5	21.7	21.1	22	HT	44800	12 - 20
Obsolete	FGWH-A501-TFD	25.8	21.8	21.1	22	HT	45100	12.0 - 20
Active	FFWP-050Z-TFD	27.5	21.7	21.1	22	HT	44800	12 - 20

Performance @ 25°F evaporator temp, 65°F return gas, 5°F subcooling, 90°F ambient.

Unit cross reference

Status	Product Number	Length (in)	Width (in)	Height (in)	Refrigerant	Application	Capacity	MCA / Fuse
Obsolete	FTAH-A101-CFV	24	16.8	15.9	134A	HT	7770	14.8-20
Active	FPAK-012Z-CFV	24	17.1	16.6	134A	HT	8250	16.9-25
Active	FFAP-015Z-CFV	24	18.3	16.6	134A	HT	7540	13.9 - 20
Obsolete	FTAH-A101-TFC	24	16.8	15.9	134A	HT	7770	10.5-15
Active	FPAK-012Z-TFC	24	17.1	16.6	134A	HT	8250	14.2-20
Active	FFAP-015Z-TFC	24	18.3	16.6	134A	HT	7540	11.4 - 15
Obsolete	FTAH-A101-TFD	24	16.8	15.9	134A	HT	7770	5.2-15
Active	FPAK-012Z-TFD	24	17.1	16.6	134A	HT	8250	6.2-15
Active	FFAP-015Z-TFD	24	18.3	16.6	134A	HT	7540	6.4 - 15
Obsolete	FPWN-C150-TFC	24	16.2	17	134A	HT	8900	9.4-15
Active	FFWP-017Z-TFC	24	16.1	16.6	134A	HT	9090	13 - 20
Obsolete	FPWN-C150-CFV	24	16.2	17	134A	HT	8900	13.6-20
Active	FFWP-017Z-CFV	24	16.1	16.6	134A	HT	9090	15.8 - 25
Obsolete	FPWN-C150-TFD	24	16.2	17	134A	HT	8900	4.5-15
Active	FFWP-017Z-TFD	24	16.1	16.6	134A	HT	9090	5.4 - 15
Obsolete	FTAH-A125-CFV	24	18.3	16.2	134A	HT	11200	18.4-25
Active	FPAK-013Z-CFV	24.1	18.3	16.6	134A	HT	11800	21-35
Active	FFAP-022Z-CFV	25.2	34	19	134A	HT	12300	22.4 - 35
Obsolete	FTAH-A125-TFC	24	18.3	16.2	134A	HT	11200	14.3-20
Active	FPAK-013Z-TFC	24.1	18.3	16.6	134A	HT	11800	14.7-20
Active	FFAP-022Z-TFC	25.2	34	19	134A	HT	12300	16.1 - 20
Obsolete	FTAH-A125-TFD	24	18.3	16.2	134A	HT	11200	7.5-15
Active	FPAK-013Z-TFD	24.1	18.3	16.6	134A	HT	11800	8.4-15
Active	FFAP-022Z-TFD	25.2	34	19	134A	HT	12300	10 - 15
Obsolete	FPWN-C225-TFD	24	16.1	14.6	134A	HT	12500	5.9-15
Active	FFWP-022Z-TFD	24	16.1	16.6	134A	HT	12500	6.8-15
Obsolete	FTAH-A150-CFV	24	18.3	16.2	134A	HT	13300	21.4-35
Active	FPAK-015Z-CFV	24.1	18.3	16.6	134A	HT	13100	23.9-40
Active	FFAP-030Z-CFV	25.2	34.1	19	134A	HT	14100	25.3 - 40
Obsolete	FTAH-A150-TFC	24	18.3	16.2	134A	HT	13300	15.9-20
Active	FPAK-015Z-TFC	24.1	18.3	16.6	134A	HT	13100	18.5-30
Active	FFAP-030Z-TFC	25.2	34.1	19	134A	HT	14100	19.9 - 30
Obsolete	FTAH-A150-TFD	24	18.3	16.2	134A	HT	13300	7.5-15
Active	FPAK-015Z-TFD	24.1	18.3	16.6	134A	HT	13100	9.7-15
Active	FFAP-030Z-TFD	25.2	34.1	19	134A	HT	14100	11.3 - 15
Obsolete	FPWN-C300-TFC	24	16.9	14.8	134A	HT	15900	13.0-20
Active	FFWP-030Z-TFC	24.1	16.1	16.6	134A	HT	14100	13.3-20
Obsolete	FPWN-C300-CFV	24	16.9	15	134A	HT	15900	20.0-35
Active	FFWP-030Z-CFV	24.1	16.1	16.6	134A	HT	14100	22.5-40
Obsolete	FPWN-C300-TFD	24	16.9	14.8	134A	HT	15900	5.9-15
Active	FFWP-030Z-TFD	24.1	16.1	16.6	134A	HT	14100	6.8-15
Obsolete	FTAH-A201-CFV	25.3	34.1	18.9	134A	HT	16400	29.1-40
Active	FPAK-020Z-CFV	25	34.1	19	134A	HT	17700	31.8-50
Active	FFAP-032Z-CFV	25.2	34.1	19	134A	HT	18500	31.8 - 50
Obsolete	FTAH-A201-TFC	25.3	34.1	18.9	134A	HT	16400	20.0-25
Active	FPAK-020Z-TFC	25	34.1	19	134A	HT	17700	21.8-30
Active	FFAP-032Z-TFC	25.2	34.1	19	134A	HT	18500	21.8 - 30
Obsolete	FTAH-A201-TFD	25.3	34.1	18.9	134A	HT	16400	9.6-15
Active	FPAK-020Z-TFD	25	34.1	19	134A	HT	17700	11.8-15
Active	FFAP-032Z-TFD	25.2	34.1	19	134A	HT	18500	11.8 - 15
Obsolete	FPWN-C325-CFV	26.2	21	15.5	134A	HT	17800	23.3-40
Active	FFWP-032Z-CFV	27.2	21.5	18.2	134A	HT	19000	23.1 - 40
Obsolete	FPWN-C325-TFC	25	21	15.8	134A	HT	17800	14.3-25
Active	FFWP-032Z-TFC	27.2	21.5	18.2	134A	HT	19000	13.9 - 20

Performance @ 25°F evaporator temp, 65°F return gas, 5°F subcooling, 90°F ambient.

Unit cross reference

Status	Product Number	Length (in)	Width (in)	Height (in)	Refrigerant	Application	Capacity	MCA / Fuse
Obsolete	FJAL-A103-CFV	24	17.3	15	404A	LT	4950	13.2-20
Active	FPAK-010Z-CFV	24	17.1	16.6	404A	LT	5290	13.7-20
Active	FFAP-015Z-CFV	24	18.3	16.6	404A	LT	5600	13.9 - 20
Obsolete	FJAL-A103-TFC	24	17.3	15	404A	LT	4950	9.2-15
Active	FPAK-010Z-TFC	24	17.1	16.6	404A	LT	5290	11.2-15
Active	FFAP-015Z-TFC	24	18.3	16.6	404A	LT	5600	11.4 - 15
Obsolete	FJWL-C103-CFV	24	16.4	15	404A	LT	5550	12.6-20
Active	FFWP-015Z-CFV	24	16.1	16.6	404A	LT	5240	12.5 - 20
Obsolete	FJWL-C103-TFC	24	16.1	14.6	404A	LT	5550	8.6-15
Active	FFWP-015Z-TFC	24	16.1	16.6	404A	LT	5240	10 - 15
Obsolete	FJAL-A150-CFV	24	18.2	17.2	404A	LT	6290	18.4-30
Active	FPAK-012Z-CFV	24	17.1	16.6	404A	LT	6060	16.9-25
Active	FFAP-015Z-CFV	24	18.3	16.6	404A	LT	5600	13.9 - 20
Obsolete	FJAL-A250-CFV	24	16.8	13.6	404A	LT	8110	22.9-35
Active	FPAK-013Z-CFV	24.1	18.3	16.6	404A	LT	8850	21-35
Active	FFAP-020Z-CFV	25.2	34	19	404A	LT	7560	16.8 - 25
Obsolete	FJAL-A250-TFC	24	18.3	16.2	404A	LT	8110	15.9-20
Active	FPAK-013Z-TFC	24.1	18.3	16.6	404A	LT	8850	14.7-20
Active	FFAP-020Z-TFC	25.2	34	19	404A	LT	7560	13.9 - 20
Obsolete	FJAL-B200-CFV	24.1	18.3	16.2	404A	LT	8260	17.2-25
Active	FPAK-013Z-CFV	24.1	18.3	16.6	404A	LT	8850	21-35
Active	FFAP-020Z-CFV	25.2	34	19	404A	LT	7560	16.8 - 25
Obsolete	FJAL-B200-TFC	24.1	18.3	16.2	404A	LT	8260	11.7-15
Active	FPAK-013Z-TFC	24.1	18.3	16.6	404A	LT	8850	14.7-20
Active	FFAP-020Z-TFC	25.2	34	19	404A	LT	7560	13.9 - 20
Obsolete	FJAL-B200-TFD	24.1	16.2	16.2	404A	LT	8260	6.2-15
Active	FPAK-013Z-TFD	24.1	18.3	16.6	404A	LT	8850	8.4-15
Active	FFAP-020Z-TFD	25.2	34	19	404A	LT	7560	7.1 - 15
Obsolete	FJAL-A225-CFV	25.2	34	18.9	404A	LT	9010	16.6-25
Active	FFAP-022Z-CFV	25.2	34	19	404A	LT	9210	22.4 - 35
Active	FPAK-013Z-CFV	24.1	18.3	16.6	404A	LT	8850	21-35
Obsolete	FJAL-A225-TFD	25.2	34	18.9	404A	LT	9010	6.1-15
Active	FFAP-022Z-TFD	25.2	34	19	404A	LT	9210	10 - 15
Active	FPAK-013Z-TFD	24.1	18.3	16.6	404A	LT	8850	8.4-15
Obsolete	FJAL-A225-TFC	25.2	34	18.9	404A	LT	9010	11.1-15
Active	FFAP-022Z-TFC	25.2	34	19	404A	LT	9210	16.1 - 20
Active	FPAK-013Z-TFC	24.1	18.3	16.6	404A	LT	8850	14.7-20
Obsolete	FJWL-C200-TFD	24	16.4	15.4	404A	LT	9090	5.4-15
Active	FFWP-022Z-TFD	24	16.1	16.6	404A	LT	8600	6.8-15
Obsolete	FJWL-C200-TFC	24	16.4	14.6	404A	LT	9090	9.3-15
Active	FFWP-022Z-TFC	24	16.1	16.6	404A	LT	8600	13.3 - 20
Obsolete	FJWL-C200-CFV	24	16.4	15	404A	LT	9090	14.8-25
Active	FFWP-022Z-CFV	24	16.1	16.6	404A	LT	8600	19.6 - 35
Obsolete	FJWL-C301-TFC	25	21	21.1	404A	LT	9090	9.3-15
Active	FFWP-030Z-TFC	24.1	16.1	16.6	404A	LT	10300	13.3-20
Obsolete	FJAL-B301-TFC	25.2	34	19	404A	LT	13100	18.6-20
Active	FFAP-032Z-TFC	25.2	34.1	19	404A	LT	13700	21.8 - 30
Active	FPAK-020Z-TFC	25	34.1	19	404A	LT	13300	21.8-30
Obsolete	FJAL-B301-CFV	25.2	34	19	404A	LT	13100	26.7-35
Active	FFAP-032Z-CFV	25.2	34.1	19	404A	LT	13700	31.8 - 50
Active	FPAK-020Z-CFV	25	34.1	19	404A	LT	13300	31.8-50
Obsolete	FJAL-B301-TFD	25.2	34	19	404A	LT	13100	10.1-15
Active	FFAP-032Z-TFD	25.2	34.1	19	404A	LT	13700	11.8 - 15
Active	FPAK-039Z-TFD	25.2	34.1	19	404A	LT	16900	15-20
Obsolete	FJWL-C301-CFV	25	21	21.1	404A	LT	13200	21.4-35
Active	FFWP-032Z-CFV	27.2	21.5	18.2	404A	LT	13300	23.1 - 40
Obsolete	FJWL-C301-TFD	25	21	21.1	404A	LT	13200	7.6-15
Active	FFWP-032Z-TFD	27.2	21.5	18.2	404A	LT	13300	7 - 15
Obsolete	FJAL-A390-TFC	25.2	34	19	404A	LT	16000	21.2-25
Active	FPAK-039Z-TFC	25.2	34.1	19	404A	LT	16900	28.4-45
Active	FFAP-040Z-TFC	28.2	44.1	26.8	404A	LT	15700	23 - 35
Obsolete	FJAL-A390-CFV	25.2	34	19	404A	LT	16000	31.4-45
Active	FPAK-039Z-CFV	25.2	34.1	19	404A	LT	16900	35.4-50
Active	FFAP-040Z-CFV	28.2	44.1	26.8	404A	LT	15700	33.1 - 50
Obsolete	FJAL-A390-TFD	25.2	34	19	404A	LT	16000	11.5-15
Active	FPAK-039Z-TFD	25.2	34.1	19	404A	LT	16900	15-20
Active	FFAP-040Z-TFD	28.2	44.1	26.8	404A	LT	15700	11 - 15
Obsolete	FJWL-C390-TFC	25	21	21.1	404A	LT	16700	15.9-25
Active	FFWP-040Z-TFC	27.5	21	21.1	404A	LT	15200	19.4-30

Performance @ -10°F evaporator temp, 40°F return gas, 5°F subcooling, 90°F ambient.

Unit cross reference

Status	Product Number	Length (in)	Width (in)	Height (in)	Refrigerant	Application	Capacity	MCA / Fuse
Obsolete	FJAM-A150-CFV	24	18.3	16.4	404A	MT	12500	16.5-20
Active	FFAP-017Z-CFV	24.1	18.3	16.6	404A	MT	13100	17.2 - 25
Obsolete	FJAM-A150-TFC	24	18.3	16.2	404A	MT	12500	12.2-15
Active	FFAP-017Z-TFC	24.1	18.3	16.6	404A	MT	13100	14.4 - 20
Obsolete	FJAM-A150-TFD	24.1	18.3	16.9	404A	MT	12500	6.1-15
Active	FFAP-017Z-TFD	24.1	18.3	16.6	404A	MT	13100	7.0 - 15
Obsolete	FJAM-A200-TFC	25.2	34	18.9	404A	MT	16100	11.7-15
Active	FFAP-020Z-TFC	25.2	34	19	404A	MT	15300	13.9 - 20
Obsolete	FJAM-A200-CFV	25.2	34	19	404A	MT	16100	15.9-20
Active	FFAP-020Z-CFV	25.2	34	19	404A	MT	15300	16.8 - 25
Obsolete	FJAM-A225-TFC	25	34	18.9	404A	MT	17900	13.7-20
Active	FFAP-022Z-TFC	25.2	34	19	404A	MT	18900	16.1 - 20
Obsolete	FJAM-A225-CFV	25	34	18.9	404A	MT	17900	17.8-25
Active	FFAP-022Z-CFV	25.2	34	19	404A	MT	18900	22.4 - 35
Obsolete	FJWM-C200-CFV	24	16.8	15	404A	MT	17900	13.6-20
Active	FFWP-020Z-CFV	24	16.1	16.6	404A	MT	17000	15 - 25
Obsolete	FJWM-C200-TFC	24	16.1	13.9	404A	MT	17900	9.4-15
Active	FFWP-020Z-TFC	24	16.1	16.6	404A	MT	17000	12.1 - 20
Obsolete	FJAM-A225-TFD	25	34	18.9	404A	MT	17900	7.4-15
Active	FFAP-022Z-TFD	25.2	34	19	404A	MT	18900	10 - 15
Obsolete	FPWN-C225-TFC	24	16.1	14.2	404A	MT	20900	11.4-20
Active	FFWP-022Z-TFC	24	16.1	16.6	404A	MT	20400	13.3 - 20
Obsolete	FPWN-C225-CFV	24	16.8	15	404A	MT	20900	15.5-25
Active	FFWP-022Z-CFV	24	16.1	16.6	404A	MT	20400	19.6 - 35
Obsolete	FJAM-A300-TFC	25.1	34	18.9	404A	MT	23800	18.8-20
Active	FFAP-030Z-TFC	25.2	34.1	19	404A	MT	21600	19.9 - 30
Obsolete	FJAM-A300-TFD	25.1	34	18.9	404A	MT	23800	9.1-15
Active	FFAP-030Z-TFD	25.2	34.1	19	404A	MT	21600	11.3 - 15
Obsolete	FJAM-A325-CFV	25.2	34	19	404A	MT	26100	29.1-40
Active	FFAP-032Z-CFV	25.2	34.1	19	404A	MT	27300	31.8 - 50
Obsolete	FJAM-A325-TFC	25.2	34	19	404A	MT	26100	20.1-25
Active	FFAP-032Z-TFC	25.2	34.1	19	404A	MT	27300	21.8 - 30
Obsolete	FJAM-A325-TFD	25.2	34	19	404A	MT	26100	9.6-15
Active	FFAP-032Z-TFD	25.2	34.1	19	404A	MT	27300	11.8 - 15
Obsolete	FJAM-B400-TFD	28.2	44.1	26.8	404A	MT	37800	12.0-15
Active	FFAP-040Z-TFD	28.2	44.1	26.8	404A	MT	34200	11 - 15
Obsolete	FJAM-B400-TFC	28.2	44.1	26.8	404A	MT	37800	23.1-35
Active	FFAP-040Z-TFC	28.2	44.1	26.8	404A	MT	34200	23 - 35
Obsolete	FJAM-B500-TFC	28.2	44.1	26.6	404A	MT	41200	27.0-40
Active	FFAP-042Z-TFC	24	18.3	16.1	404A	MT	40800	31.5 - 50
Obsolete	FJAM-B500-TFD	28.2	44.1	26.6	404A	MT	41200	14.8-20
Active	FFAP-042Z-TFD	24	18.3	16.1	404A	MT	40800	14.9 - 20
Obsolete	FJAM-B500-CFV	28.2	44.1	26.8	404A	MT	41200	42.0-60
Active	FFAP-042Z-CFV	24	18.3	16.1	404A	MT	40800	38.9 - 60
Obsolete	FJWM-C400-TFC	26.2	21	21.1	404A	MT	41400	19.5-35
Active	FFWP-042Z-TFC	27.2	21.6	21.1	404A	MT	43000	27.9-50
Obsolete	FJWM-C400-CFV	26.2	21	21.1	404A	MT	41400	29.9-50
Active	FFWP-042Z-CFV	27.2	21.6	21.1	404A	MT	43000	35.3 - 60
Obsolete	FJWM-C500-TFC	25	21.1	21.3	404A	MT	46300	23.4-40
Active	FFWP-042Z-TFC	27.2	21.6	21.1	404A	MT	43000	27.9-50

Performance @ 25°F evaporator temp, 65°F return gas, 5°F subcooling, 90°F ambient.

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