



FIRST CO.
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FIRST-PAK[®]

AC



SINGLE PACKAGE VERTICAL AIR CONDITIONER WITH ELECTRIC HEAT

9,000 through 30,000 BTUH Cooling Capacity
Up to 13.0 SEER



Features and benefits



FEATURES

- Self-contained packaged units with electric cooling and electric heating
- Pre-wired and pre-charged from factory
- Eliminates the need for outdoor condensing section units, line-sets and separate ventilation
- All FPE series units are compatible with Magic-Pak, Comfort-Pack and Condo-Pack

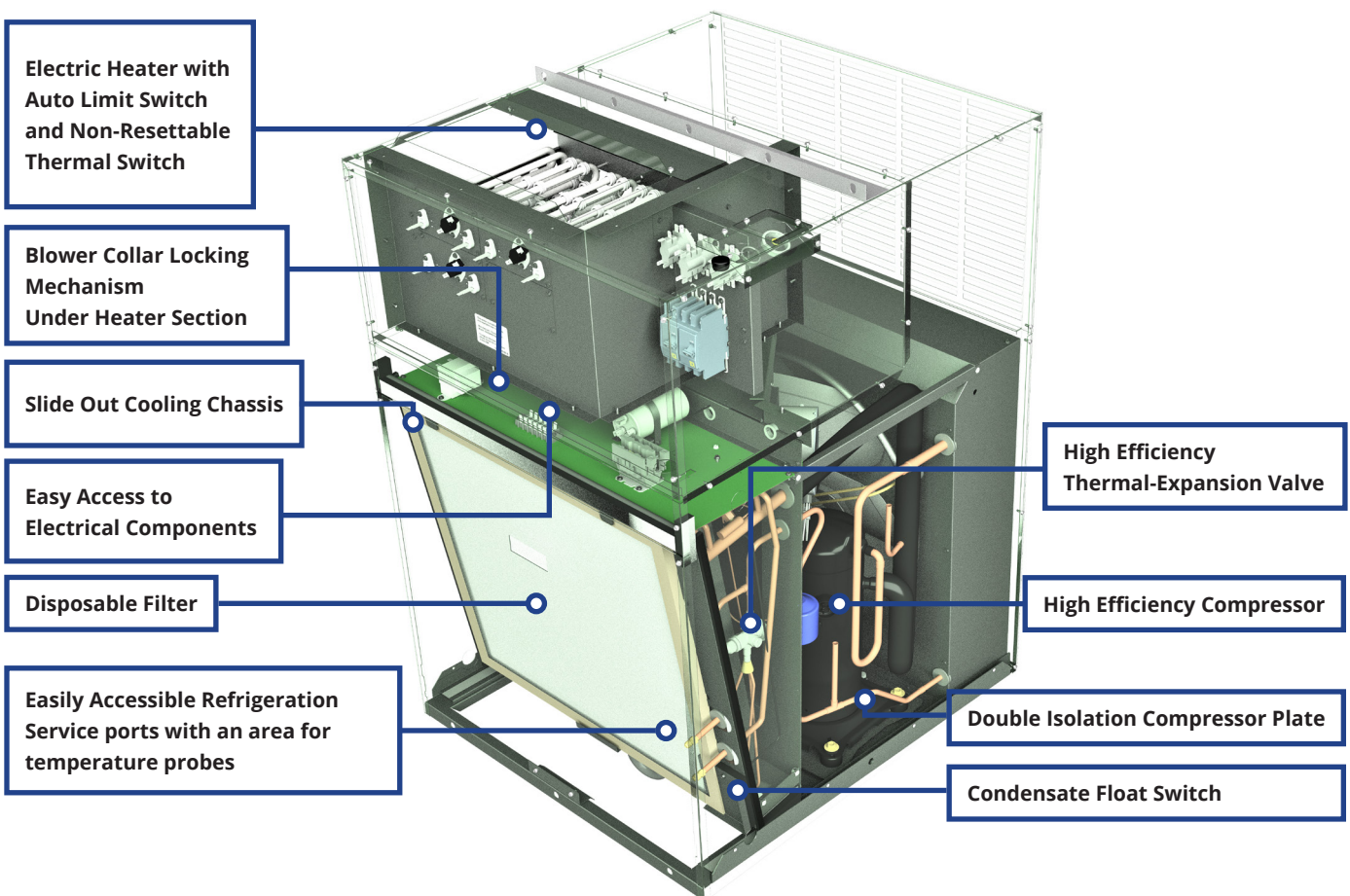
PRODUCT FEATURES

- High efficiency scroll and rotary compressors
- Easily accessible refrigeration service ports with an area for temperature probes
- Factory installed condensate float switch
- 13 SEER Efficiency for 12k, 18k and 24k models, 12.5 SEER on 9k and 12 SEER 30k models
- Architectural louvers available
- Larger air coil with low face velocity for improved cooling performance
- High efficiency ECM indoor blower with multiple speed taps for precise airflow selection
- High efficiency ECM condenser fan motor to improve system efficiency
- Insulation inside of cooling compartment to improve cooling performance and reduce noise
- Dual inlet indoor blower to lower fan rpm's, improve efficiency and reduce noise
- Double isolated compressor mount to lower compressor noise and vibration
- Blower collar locking mechanism to improve seal between cooling chassis and cabinet
- Warranty: 5 year for parts / compressor

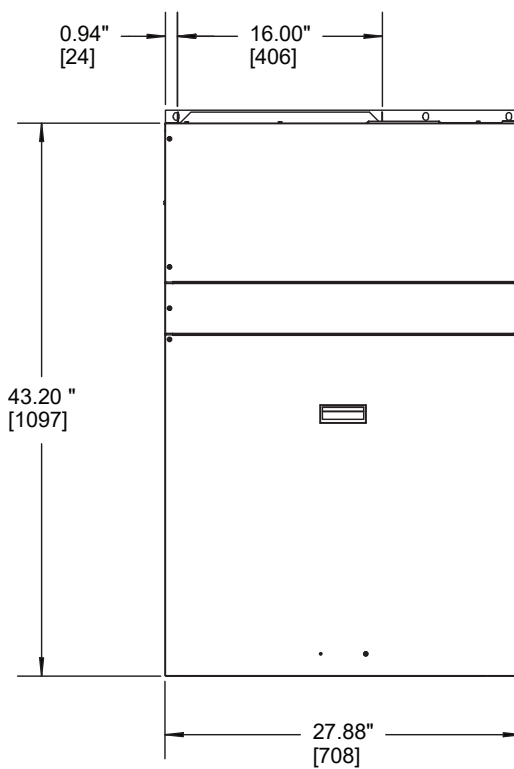
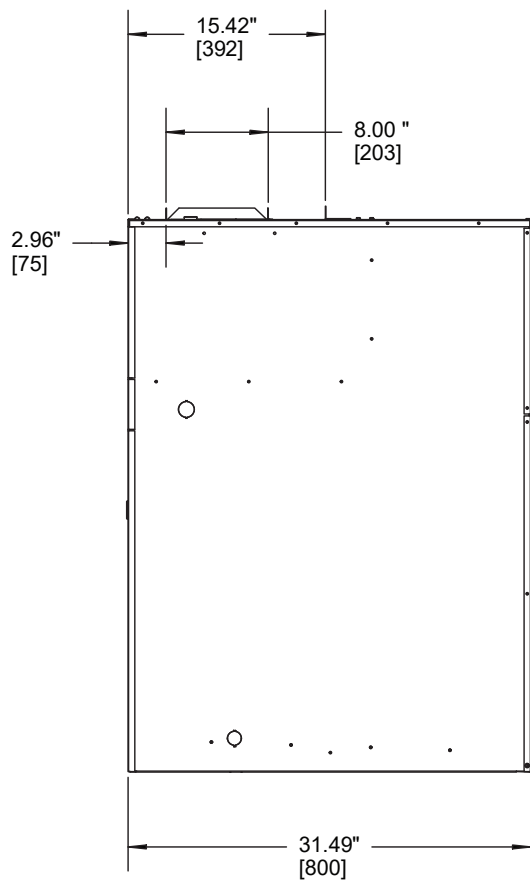
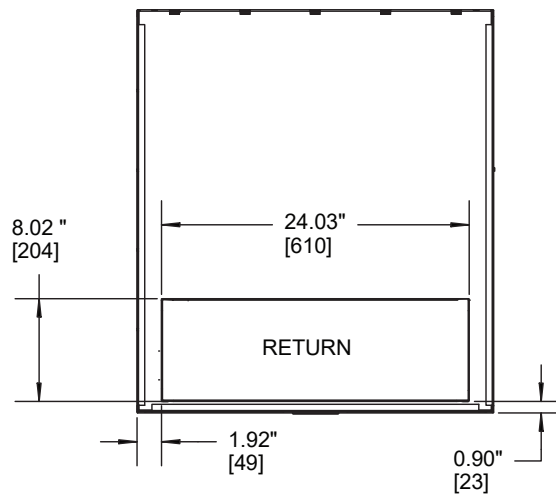
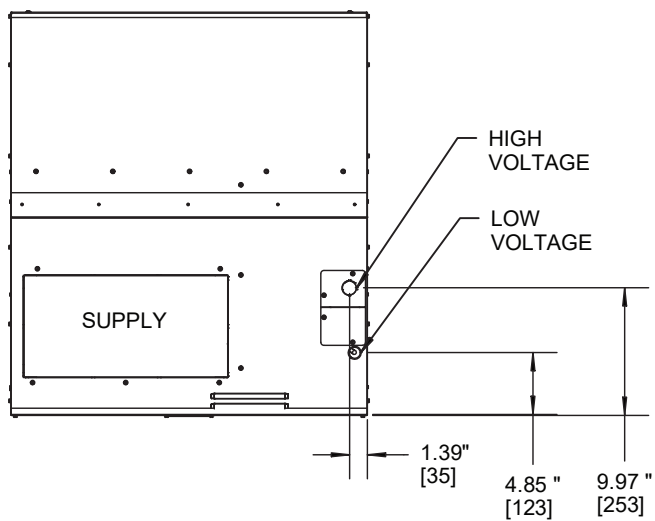
Features and Benefits

SERVICEABILITY FEATURES

- Slide out cooling chassis for ease of service
- Easy access or removal of electric heaters
- High efficiency TXV on all models to allow for field adjustments, if required
- All electrical components are serviceable from front of the unit
- Compressor capacitor, compressor contactor, and indoor fan control located on panel at the front of the unit
- Additional cooling chassis can be stocked and switched out to limit down time of the occupant
- Refrigerant service ports are located on the outside the cooling chassis.



Physical Data



Physical Data (continued)

FIRST-PAK AC								
FPE MODELS	FPE05E1C09A	FPE05E1C12A	FPE07E1C12A	FPE10E1C12A	FPE05E1C18A	FPE07E1C18A	FPE10E1C18A	FPE05E1C24A
Unit Information								
Quantity / Type	Rotary (1)	Rotary (1)	Rotary (1)	Rotary (1)	Rotary (1)	Rotary (1)	Rotary (1)	Scroll (1)
Factory Charge (R410A) lbs. [kg]	3.7 [1.7]	3.9 [1.8]	3.9 [1.8]	3.9 [1.8]	5.7 [2.6]	5.7 [2.6]	5.7 [2.6]	5.7 [2.6]
Compressor Capacitor	40MFD/370V	40MFD/370V	40MFD/370V	40MFD/370V	35MFD/370V	35MFD/370V	35MFD/370V	35MFD/370V
Condenser Fan HP [kW]	1/5 [.15]	1/5 [.15]	1/5 [.15]	1/5 [.15]	1/3 [.25]	1/3 [.25]	1/3 [.25]	1/3 [.25]
Indoor Fan HP [kW]	1/4 [.17]	1/4 [.17]	1/4 [.17]	1/4 [.17]	1/3 [.25]	1/3 [.25]	1/3 [.25]	1/2 [.37]
Blower Size (D X W) in. [mm]	10 x 6 [254 x 152]							
Condenser Dimension (H x W) in. [mm]	26x23 [660 x 584]							
Evaporator Dimension (H x W) in. [mm]	24x22 [610 x 558]							
Filter Size (H x W) [mm]	24x24 [610 x 610]							
Electric Heater [kW] @240V	5	5	7(2x3.5kW)	10(2x5kW)	5	7(2x3.5kW)	10(2x5kW)	5
Max. Static Pressure IWC [pa]	0.5 [125]							
Operating Weight lb. [kg]	273 [124]	273 [124]	275 [125]	275 [125]	334 [152]	336 [153]	336 [153]	345 [157]
Shipping Weight lb. [kg]	293 [133]	293 [133]	295 [134]	295 [134]	354 [161]	356 [162]	356 [162]	365 [166]

FIRST-PAK AC CONTINUED							
FPE MODELS	FPE07E1C24A	FPE10E1C24A	FPE15E1C24A	FPE05E1C30A	FPE07E1C30A	FPE10E1C30A	FPE15E1C30A
Unit Information							
Quantity / Type	Scroll (1)	Scroll (1)	Scroll (1)	Scroll (1)	Scroll (1)	Scroll (1)	Scroll (1)
Factory Charge (R410A) lbs. [kg]	5.7 [2.6]	5.7 [2.6]	5.7 [2.6]	5.8 [2.63]	5.8 [2.63]	5.8 [2.63]	5.8 [2.63]
Compressor Capacitor	35MFD/370V	35MFD/370V	35MFD/370V	40MFD/370V	40MFD/370V	40MFD/370V	40MFD/370V
Condenser Fan HP [kW]	1/3 [.25]	1/3 [.25]	1/3 [.25]	1/3 [.25]	1/3 [.25]	1/3 [.25]	1/3 [.25]
Indoor Fan HP [kW]	1/2 [.37]	1/2 [.37]	1/2 [.37]	1/2 [.37]	1/2 [.37]	1/2 [.37]	1/2 [.37]
Blower Size (D X W) in. [mm]	10 x 6 [254 x 152]						
Condenser Dimension (H x W) in. [mm]	26x23 [660 x 584]						
Evaporator Dimension (H x W) in. [mm]	24x22 [610 x 558]						
Filter Size (H x W) [mm]	24x24 [610 x 610]						
Electric Heater [kW] @240V	7(2x3.5kW)	10(2x5kW)	15(3x5kW)	5	7(2x3.5kW)	10(2x5kW)	15(3x5kW)
Max. Static Pressure IWC [pa]	0.5 [125]						
Operating Weight lb. [kg]	346 [157]	346 [157]	349 [158]	346 [157]	347 [158]	347 [158]	350 [159]
Shipping Weight lb. [kg]	366 [166]	366 [166]	369 [168]	366 [166]	367 [167]	367 [167]	370 [168]

Electric Heat Data

UNIT MODEL	VOLTAGE - PHASE	ELECTRIC HEATER				
		KW		AUTO- RESET LIMIT SWITCH	NON-RESETTABLE FUSE LINK	MIN. AIRFLOW (SCFM)
		240V	208V			
FPE05E1C09A	230/208V - 1Ph	5	3.76	160°F	219°F	386
FPE05E1C12A	230/208V - 1Ph	5	3.76	160°F	219°F	386
FPE07E1C12A	230/208V - 1Ph	7	5.26	160°F	219°F	488
FPE10E1C12A	230/208V - 1Ph	10	7.5	160°F	219°F	488
FPE05E1C18A	230/208V - 1Ph	5	3.76	160°F	219°F	639
FPE07E1C18A	230/208V - 1Ph	7	5.26	160°F	219°F	639
FPE10E1C18A	230/208V - 1Ph	10	7.5	160°F	219°F	709
FPE05E1C24A	230/208V - 1Ph	5	3.76	160°F	219°F	674
FPE07E1C24A	230/208V - 1Ph	7	5.26	160°F	219°F	664
FPE10E1C24A	230/208V - 1Ph	10	7.5	160°F	219°F	705
FPE15E1C24A	230/208V - 1Ph	15	11.3	160°F	219°F	823
FPE05E1C30A	230/208V - 1Ph	5	3.76	160°F	219°F	674
FPE07E1C30A	230/208V - 1Ph	7	5.26	160°F	219°F	664
FPE10E1C30A	230/208V - 1Ph	10	7.5	160°F	219°F	705
FPE15E1C30A	230/208V - 1Ph	15	11.3	160°F	219°F	823

Fan Air Flow Performance

FPE AIRFLOW PERFORMANCE						
MODEL	Motor Speed Tap	SCFM @ STATIC PRESSURE (IN.W. C.)				
		0.1	0.2	0.3	0.4	0.5
		SCFM	SCFM	SCFM	SCFM	SCFM
FPE05E1C09A	T1	278	207	168	87	
	T2 ^H	541	500	466	428	386
	T3	630	591	557	529	496
	T4 ^C	374	331	285	221	
FPE05E1C12A	T1	317	259	214	140	98
	T2 ^H	541	500	466	428	386
	T3	630	591	557	529	496
	T4 ^C	466	450	408	363	323
FPE07E1C12A	T1	321	260	197	149	108
	T2 ^H	614	577	542	521	488
	T3	691	656	624	595	567
	T4 ^C	486	445	401	354	314
FPE10E1C12A	T1	321	260	197	149	108
	T2 ^H	691	656	624	595	567
	T3	614	577	542	521	488
	T4 ^C	486	445	401	354	314
FPE05E1C18A	T1	442	328	263	233	204
	T2 ^H	747	722	688	665	639
	T3	876	851	822	798	770
	T4 ^C	667	648	618	580	552
	T5	713	695	666	632	606
FPE07E1C18A	T1	436	323	257	231	201
	T2 ^H	741	715	682	659	639
	T3	869	846	815	793	763
	T4 ^C	662	642	609	575	552
	T5	707	689	657	628	606
FPE10E1C18A	T1	436	323	257	231	201
	T2 ^H	929	897	865	841	803
	T3	807	785	753	733	709
	T4 ^C	662	642	609	575	552
	T5	707	689	657	628	606
FPE05E1C24A	T1	559	482	425	387	325
	T2 ^H	820	772	741	702	674
	T3	978	947	916	879	855
	T4 ^C	766	715	677	637	611
	T5	919	882	853	816	791

Airflow shown tested at 70° DB at dry coil conditions

^H denotes default heating tap

^C denotes default cooling tap

Fan Air Flow Performance (continued)

FPE AIRFLOW PERFORMANCE						
MODEL	Motor Speed Tap	SCFM @ STATIC PRESSURE (IN.W. C.)				
		0.1	0.2	0.3	0.4	0.5
		SCFM	SCFM	SCFM	SCFM	SCFM
FPE07E1C24A	T1	543	477	424	384	325
	T2 ^H	808	765	738	694	664
	T3	973	937	906	870	844
	T4 ^C	768	720	688	647	620
	T5	908	871	843	804	780
FPE10E1C24A	T1	543	477	424	384	325
	T2 ^H	840	798	768	729	705
	T3	973	937	906	870	844
	T4 ^C	768	720	688	647	620
	T5	908	871	843	804	780
FPE15E1C24A	T1	517	472	422	387	336
	T2 ^H	1050	1003	958	906	848
	T3	931	899	877	846	823
	T4 ^C	773	742	713	690	666
	T5	889	858	831	802	779
FPE05E1C30A	T1	559	482	425	387	325
	T2 ^H	820	772	741	702	674
	T3	978	947	916	879	855
	T4 ^C	941	906	878	840	814
	T5	978	947	916	879	855
FPE07E1C30A	T1	543	477	424	384	325
	T2 ^H	808	765	738	694	664
	T3	973	937	906	870	844
	T4 ^C	941	906	878	839	814
	T5	973	937	906	870	844
FPE10E1C30A	T1	543	477	424	384	325
	T2 ^H	840	798	768	729	705
	T3	973	937	906	870	844
	T4 ^C	941	906	878	839	814
	T5	973	937	906	870	844
FPE15E1C30A	T1	517	472	422	387	336
	T2 ^H	1050	1003	958	906	848
	T3	931	899	877	846	823
	T4 ^C	948	913	883	847	826
	T5	1050	1003	958	906	848

Airflow shown tested at 70° DB at dry coil conditions

^H denotes default heating tap

^C denotes default cooling tap

Electrical and Performance Data

ELECTRICAL DATA																	
MODEL NUMBER	VOLTAGE PH-HZ	COMPRESSOR		CONDENSOR MOTOR		INDOOR MOTOR		MIN. CIRCUIT AMPACITY				MAX. CIRCUIT PROTECTION				MIN. VOLT.	MAX. VOLT.
		RLA	LRA	FLA	HP	FLA	HP	CKT 1		CKT 2		CKT 1		CKT 2			
								230V	208V	230V	208V	230V	208V	230V	208V		
FPE05E1C09A	208/230-1-60	4.7	26	1.9	1/5	2.3	1/4	27.8	25.4	N/A	N/A	30	30	N/A	N/A	197	252
FPE05E1C12A	208/230-1-60	5.5	26	1.9	1/5	2.3	1/4	27.8	25.4	N/A	N/A	30	30	N/A	N/A	197	252
FPE07E1C12A	208/230-1-60	5.5	26	1.9	1/5	2.3	1/4	37.8	34.4	N/A	N/A	40	35	N/A	N/A	197	252
FPE10E1C12A	208/230-1-60	5.5	26	1.9	1/5	2.3	1/4	52.7	48.0	N/A	N/A	60	50	N/A	N/A	197	252
FPE05E1C18A	208/230-1-60	7.2	38	2.8	1/3	2.8	1/3	28.4	26.0	N/A	N/A	30	30	N/A	N/A	197	252
FPE07E1C18A	208/230-1-60	7.2	38	2.8	1/3	2.8	1/3	38.4	35.0	N/A	N/A	40	40	N/A	N/A	197	252
FPE10E1C18A	208/230-1-60	7.2	38	2.8	1/3	2.8	1/3	53.4	48.6	N/A	N/A	60	50	N/A	N/A	197	252
FPE05E1C24A	208/230-1-60	10.7	55	2.8	1/3	4.1	1/2	30.0	27.6	N/A	N/A	35	30	N/A	N/A	197	252
FPE07E1C24A	208/230-1-60	10.7	55	2.8	1/3	4.1	1/2	40.0	36.7	N/A	N/A	45	40	N/A	N/A	197	252
FPE10E1C24A	208/230-1-60	10.7	55	2.8	1/3	4.1	1/2	55.0	50.2	N/A	N/A	60	60	N/A	N/A	197	252
FPE15E1C24A	208/230-1-60	10.7	55	2.8	1/3	4.1	1/2	55.0	50.2	25.0	22.6	60	60	25	25	197	252
FPE05E1C30A	208/230-1-60	14.1	65	2.8	1/3	4.1	1/2	30.0	27.6	N/A	N/A	35	30	N/A	N/A	197	252
FPE07E1C30A	208/230-1-60	14.1	65	2.8	1/3	4.1	1/2	40.0	36.7	N/A	N/A	45	40	N/A	N/A	197	252
FPE10E1C30A	208/230-1-60	14.1	65	2.8	1/3	4.1	1/2	55.0	50.2	N/A	N/A	60	60	N/A	N/A	197	252
FPE15E1C30A	208/230-1-60	14.1	65	2.8	1/3	4.1	1/2	55.0	50.2	25.0	22.6	60	60	25	25	197	252

FPE AHRI DATA									
MODEL	COOLING				HEATING				Outdoor Sound Rating (dba) ¹
	Btu/hr	SEER	S/T	CFM	240V		208V		
					KW	BTU/HR	KW	BTU/HR	
FPE05E1C09A	9500	12.5	0.78	350	5	17060	3.8	12814	69.8
FPE05E1C12A	12000	13.0	0.75	460	5	17060	3.8	12814	69.8
FPE07E1C12A					7	23884	5.3	17940	69.8
FPE10E1C12A					10	34120	7.5	25628	69.8
FPE05E1C18A	17500	13.0	0.74	630	5	17060	3.8	12814	69.8
FPE07E1C18A					7	23884	5.3	17940	69.8
FPE10E1C18A					10	34120	7.5	25628	69.8
FPE05E1C24A	22200	13.0	0.82	740	5	17060	3.8	12814	69.8
FPE07E1C24A					7	23884	5.3	17940	69.8
FPE10E1C24A					10	34120	7.5	25628	69.8
FPE15E1C24A					15	51180	11.3	38442	69.8
FPE05E1C30A	27000	12.0	0.75	940	5	17060	3.8	12814	69.8
FPE07E1C30A					7	23884	5.3	17940	69.8
FPE10E1C30A					10	34120	7.5	25628	69.8
FPE15E1C30A					15	51180	11.3	38442	69.8

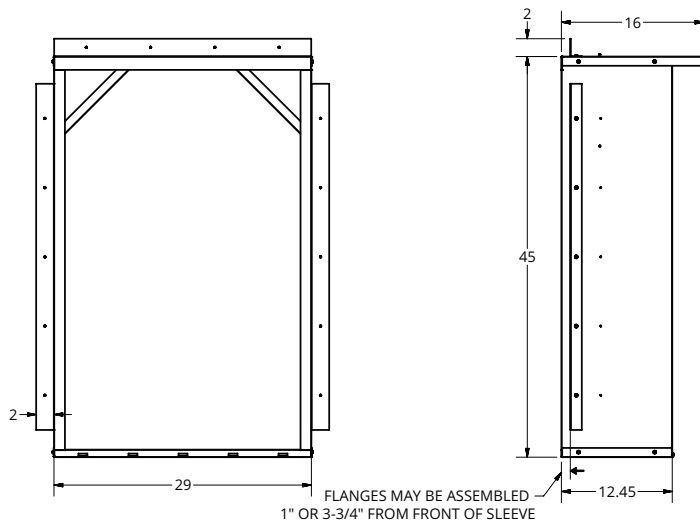
¹ tested in accordance with AHRI 260-2017

Extended Performance Data

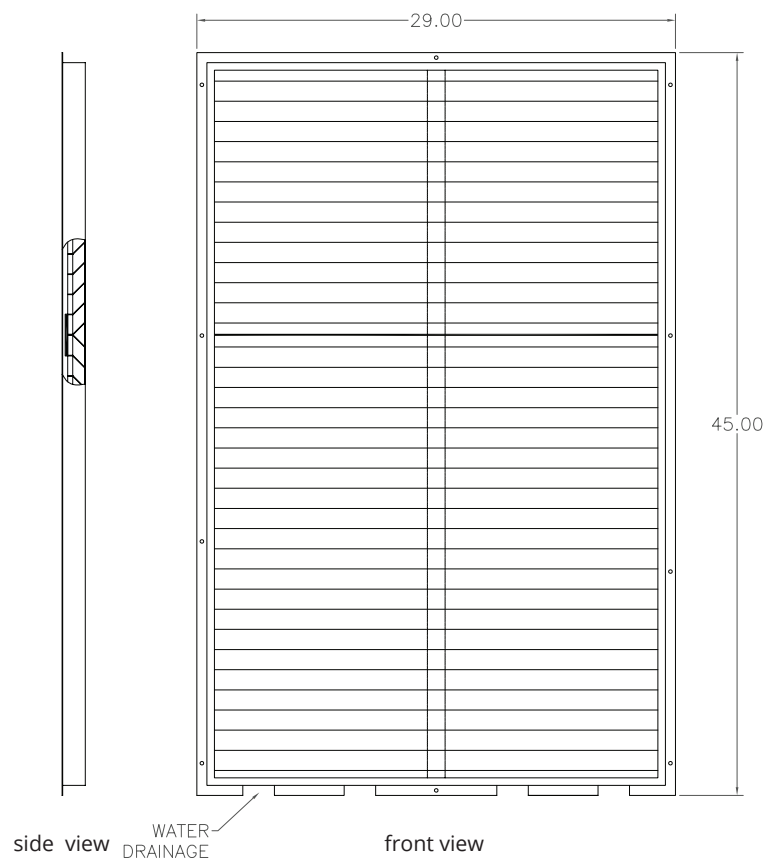
Model	Indoor Temp DB/WB	Outdoor Temperature °F														
		65.0			85.0			95.0			105.0			115.0		
		MBH	S/T	kW	MBH	S/T	kW	MBH	S/T	kW	MBH	S/T	kW	MBH	S/T	kW
FPE**E1C09	75/57	10.0	1.00	0.7	9.1	1.0	0.8	8.60	1.0	0.9	8.1	1.0	1.0	7.60	1.0	1.1
	75/63	10.8	0.75	0.7	9.6	0.8	0.8	9.10	0.8	0.9	8.4	0.8	1.0	7.80	0.8	1.1
	80/67	11.5	0.73	0.7	10.3	0.8	0.8	9.70	0.8	0.9	9.1	0.8	1.0	8.30	0.8	1.1
	85/72	12.5	0.67	0.7	11.2	0.7	0.8	10.50	0.7	0.9	9.9	0.7	1.0	10.00	1.0	1.1
FPE**E1C12	75/57	13.4	0.95	0.8	11.4	0.9	1.0	10.20	0.9	1.1	8.9	1.0	1.2	7.40	1.0	1.3
	75/63	14.0	0.77	0.8	11.8	0.8	1.0	10.50	0.8	1.1	9.1	0.9	1.2	7.50	0.9	1.3
	80/67	14.8	0.75	0.8	12.6	0.8	1.0	11.20	0.8	1.1	9.6	0.8	1.2	8.20	0.9	1.4
	85/72	15.9	0.70	0.9	13.5	0.7	1.1	12.00	0.7	1.2	10.6	0.8	1.3	8.40	0.7	1.4
FPE**E1C18	75/57	18.4	1.00	1.2	16.8	1.0	1.4	15.90	1.0	1.5	15.0	1.0	1.6	14.10	1.0	1.8
	75/63	19.6	0.77	1.3	17.6	0.8	1.4	16.50	0.8	1.5	15.4	0.8	1.6	14.00	0.8	1.8
	80/67	20.7	0.75	1.3	18.6	0.8	1.4	17.50	0.8	1.6	16.2	0.8	1.7	14.20	1.0	1.8
	85/72	22.2	0.69	1.3	20.0	0.7	1.5	19.00	0.8	1.6	17.3	0.7	1.7	15.60	0.7	1.8
FPE**E1C24	75/57	22.5	1.00	1.6	20.8	1.0	1.9	19.90	1.0	2.1	18.9	1.0	2.3	17.80	1.0	2.6
	75/63	24.3	0.76	1.6	22.2	0.8	1.9	21.00	0.8	2.1	19.9	0.8	2.3	18.60	0.8	2.6
	80/67	26.0	0.75	1.6	23.7	0.8	1.9	22.60	0.8	2.1	21.3	0.8	2.3	20.10	0.8	2.6
	85/72	28.1	0.68	1.6	25.7	0.7	1.9	24.40	0.7	2.1	23.2	0.7	2.4	21.90	0.7	2.6
FPE**E1C30	75/57	28.9	1.00	2.3	26.7	1.0	2.8	25.59	1.0	3.1	24.4	1.0	3.4	23.13	1.0	3.7
	75/63	31.3	0.76	2.4	28.6	0.8	2.8	27.25	0.8	3.1	25.8	0.8	3.4	23.99	0.8	3.7
	80/67	33.4	0.74	2.4	30.5	0.8	2.9	29.15	0.8	3.1	27.5	0.8	3.4	26.04	0.8	3.8
	85/72	36.1	0.68	2.4	33.0	0.7	2.9	31.33	0.7	3.2	29.8	0.7	3.5	28.18	0.7	3.8

IMPORTANT: These extended capacities are based on the rated values of the combination as input by the user. These are reference values only. This information does not constitute a rating or a guarantee that the installed system will perform as indicated.

Accessories Page



Part number 929-10 - First-Pak Sleeve. Ships unassembled in carton.



Part number G230A - First-Pak Architectural Louvered Grill. (Anodized Aluminum)
Part number G230S - First-Pak Architectural Louvered Grill. (Custom Color Painted)

Nomenclature

	FP	E	05	E1	C	18	A	2	000	F
SERIES										
FP - First-Pak										
HEAT TYPE										
E - Electric										
HEAT CAPACITY										
00 - No Heat										
05 - 5kW										
07 - 7kW										
10 - 10kW										
15 - 15kW										
HEAT configuration										
00 - No Heat										
E1 - Single Stage Electric Heat										
UNIT TYPE										
C - Cooling Only										
H- Heat Pump										
COOLING CAPACITY / SIZE										
09 - 9,000 BTU/H										
12 - 12,000 BTU/H										
18 - 18,000 BTU/H										
24 - 24,000 BTU/H										
30 - 30,000 BTU/H										
REVISION										
A-										
VOLTAGE										
2 - 208/230V 1PH										
OPTIONS										
000 - None										
BRAND										
F - First Co.										

In keeping with its policy of continuous progress and product improvement, First Co. reserves the right to make changes without notice. Maintenance for all First Co. products is available under "Product Maintenance" at www.firstco.com.

WARNING AVERTISSEMENT ADVERTENCIA
 Cancer and Reproductive Harm
 Cancer et Troubles de l'appareil reproducteur
 Cáncer y Daño Reproductivo
www.P65Warnings.ca.gov LBY0057