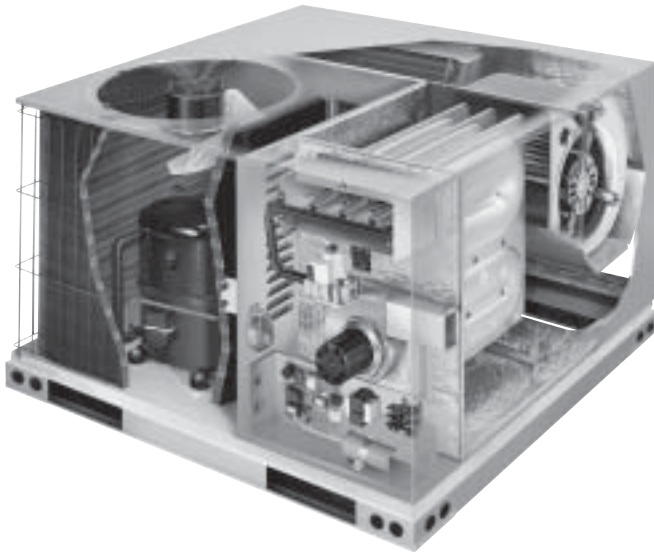




PGE10



**Compak™
10**

Package Gas/Electric

2-6 Ton 10 SEER

REFRIGERANT SYSTEM

- Heavy-duty, high efficiency compressor
- Copper tubing with enhanced fin coils
- External service gauge ports

HEAT EXCHANGER

- Aluminized steel tapered S-curve
- Crimped no weld construction for longer life

CABINET

- Low profile with compact footprint
- Insulation to minimize heat loss
- Prepainted steel for maximum durability
- Easy service access
- Wire grille to protect condenser coil
- One piece "no leak" top design
- Weather protected heavy-duty condenser fan motor
- Aluminum fan for long life
- Internal 1" filter rack

BLOWER

- Insulated compartment to reduce sound
- Easy service split-ring design with quick plug-in wiring
- Multispeed motor for wide airflow range
- PSC prelubricated motor for low maintenance and maximum efficiency
- Dynamically balanced blower with resilient motor mounts for smooth and quiet operation

CONTROLS

- Trade available components
- Solid state integrated blower control/ignition control board with L.E.D. diagnostics
- Color coded wiring for easy service

INSTALLATION

- Horizontal or down discharge
- Factory wired for economizer connection (C Series 3 phase only)
- Full perimeter base rail system for easy installation on roofcurb applications
- L models comply with California Energy Commission Low NOx regulations
- Side or bottom power entry
- C Series 3 phase units set up for down discharge

WARRANTY

- 10 year limited on heat exchanger
- 5 Year limited on compressor
- 5 Year on all parts (2 Year on C Series 3 phase)

ACCESSORIES

- Hinged Roofcurb
- Concentric Duct Kit
- Air Diffuser
- Economizer - Horizontal Modulating
- Economizer - Modulating w/Relief
- Barometric Relief Damper
- 0 - 25% Manual Outside Air Damper
- 0 - 25% Automatic Outside Air Damper
- Short Cycle Protector
- Low Ambient Kit
- LP Gas Conversion
- High Pressure Cut-Out Kit



Model Number Guide

	P	GE	10	B	36	D	050	L	A	-	1	
P - Package												Revision Code
GE - Gas/Electric												A - 208-230V/60HZ/1Ø
10 - Nominal SEER												B - 200-230V/60HZ/3Ø
B - Series												C - 460V/60HZ/3Ø
Nominal Cooling												D - 575V/60HZ/3Ø
36 - 36,000 Btuh												L - Low NOx
D - Direct Drive												Blank - Standard
												Nominal Heating
												050 - 50,000 Btuh

Physical

Model	Outside Fan		Indoor Blower Wheel dia. x width (in.)	Refrigerant Charge (oz.)	Weight (lbs.)
	Diameter (in.)	Nominal RPM			
PGE10*24D050	18	1,075	10 x 8	52	280
PGE10*24D075					290
PGE10*30D050	18	1,075	10 x 8	51	300
PGE10*30D075					300
PGE10*36D050	18	1,075	10 x 8	58	350
PGE10*36D075					320
PGE10*36D100					330
PGE10*42D075	18	1,075	10 x 9	73	350
PGE10*42D100					360
PGE10*48D100	20	1,075	12 x 10	93	410
PGE10*48D125					430
PGE10*48D150					440
PGE10*60D100	20	1,075	12 x 10	110	450
PGE10*60D125					460
PGE10*60D150					470
PGE10*72D100	20	1,075	12 x 11	174	460
PGE10*72D125					470
PGE10*72D150					480

*Refers to B or C series (C series 3 phase only).

Electrical

Model	Voltage/ Hz/Phase	Normal Voltage Range	Min. Circuit Ampacity	Max. Fuse/ HACR Brkr.	Trans (VA)	Compressor		Fan Motor		Indoor Blower		Exhaust Motor	
						Rated Load (amps)	Locked Rotor (amps)	Rated Load (amps)	Rated HP	Rated Load (amps)	Rated HP	Rated Load (amps)	Rated HP
PGE10B24D**A	208-230/60/1	197-253	16.6	25	40	10.5	56	.9	1/8	2.8	1/2	.7	1/30
PGE10B30D**A	208-230/60/1	197-253	20.8	30	40	13.7	76.1	.9	1/8	2.8	1/2	.7	1/30
PGE10B36D**A	208-230/60/1	197-253	24.9	30	40	16.4	96	1.8	1/4	2.8	1/2	.7	1/30
PGE10B42D**A	208-230/60/1	197-253	26.7	35	40	17.2	105	1.8	1/4	3.4	1/2	.7	1/30
PGE10B48D**A	208-230/60/1	197-253	34.1	40	40	21.8	116	1.8	1/4	5.0	9/10	.7	1/30
PGE10B60D**A	208-230/60/1	197-253	38.1	45	40	25.0	170	1.8	1/4	5.0	9/10	.7	1/30
PGE10C36D**B	200-230/60/3	187-253	17.5	25	40	10.3	75	1.8	1/4	2.8	1/2	.7	1/30
PGE10C48D**B	200-230/60/3	187-253	24.6	30	40	14.3	91	1.8	1/4	5.0	9/10	.7	1/30
PGE10C60D**B	200-230/60/3	187-253	26.1	30	40	15.4	124	1.8	1/4	5.0	9/10	.7	1/30
PGE10C72D**B	200-230/60/3	187-253	33.5	40	40	20.3	156	1.8	1/4	6.3	9/10	.7	1/30
PGE10C48D**C	460/60/3	414-506	12.6	15	40	7.2	46	.9	1/4	2.7	9/10	.7	1/30
PGE10C60D**C	460/60/3	414-506	13.9	20	40	8.2	59.6	.9	1/4	2.7	9/10	.7	1/30
PGE10C72D**C	460/60/3	414-506	15.0	20	40	8.9	70	.9	1/4	3.0	9/10	.7	1/30
PGE10C48D**D	575/60/3	518-633	9.8	15	40	5.7	37	.7	1/4	2.0	9/10	.7	1/30
PGE10C60D**D	575/60/3	518-633	11.0	15	40	6.6	49.4	.7	1/4	2.0	9/10	.7	1/30
PGE10C72D**D	575/60/3	518-633	12.2	15	40	7.4	54	.7	1/4	2.2	9/10	.7	1/30

**Refers to nominal heating sizes.

Performance

Model	Cooling					Heating			Temp. Rise Range °F
	Btuh	SEER	EER	S/T	CFM	Input Btuh	Output Btuh	Effcy. AFUE	
PGE10*24D050	23,400	10.00	9.20	.72	800	50,000	40,000	80%	30 - 60
PGE10*24D075						75,000	60,000		45 - 75
PGE10*30D050	29,000	10.00	9.20	.72	1,000	50,000	40,000	80%	30 - 60
PGE10*30D075						75,000	60,000		45 - 75
PGE10*36D050	35,000	10.00	9.10	.72	1,200	50,000	40,000	80%	30 - 60
PGE10*36D075						75,000	60,000		45 - 75
PGE10*36D100						100,000	80,000		55 - 85
PGE10*42D075	41,000	10.00	9.20	.74	1,400	75,000	60,000	80%	45 - 75
PGE10*42D100						100,000	80,000		55 - 85
PGE10*48D100	47,000	10.00	9.30	.74	1,600	100,000	80,000	80%	40 - 70
PGE10*48D125						125,000	100,000		45 - 75
PGE10*48D150						150,000	120,000		60 - 90
PGE10*60D100	58,000	10.00	9.00	.74	1,950	100,000	80,000	80%	40 - 70
PGE10*60D125						125,000	100,000		45 - 75
PGE10*60D150						150,000	120,000		60 - 90
PGE10*72D100	70,000	10.00	9.00	.71	2,250	100,000	80,000	80%	40 - 70
PGE10*72D125						125,000	100,000		45 - 75
PGE10*72D150						150,000	120,000		60 - 90

*Refers to B or C series (C series 3 phase only).

Blower Performance

Model	Blower Speed	CFM @ ext. static pressure in in. w.c. without filter (s) ¹						
		.20	.30	.40	.50	.60	.70	.80
PGE10*24	High	1,350	1,280	1,220	1,140	1,060	960	850
	Med	1,140	1,090	1,050	980	920	820	750
	Low	1,050	1,010	970	900	850	760	700
PGE10*30	High	1,420	1,360	1,300	1,220	1,140	1,050	940
	Med	1,170	1,140	1,100	1,050	990	910	800
	Low	1,060	1,040	1,020	970	920	850	770
PGE10*36	High	1,420	1,360	1,300	1,220	1,140	1,050	940
	Med	1,170	1,140	1,100	1,050	990	910	800
	Low	1,060	1,040	1,020	970	920	850	770
PGE10*42	High	1,590	1,540	1,460	1,380	1,300	1,220	1,130
	Med	1,520	1,470	1,430	1,340	1,250	1,190	1,100
	Low	1,470	1,420	1,350	1,270	1,200	1,130	1,050
PGE10*48	High	2,360	2,290	2,190	2,110	2,010	1,920	1,820
	Med	2,140	2,090	2,020	1,920	1,850	1,780	1,710
	Low	1,820	1,800	1,780	1,750	1,680	1,610	1,470
PGE10*60	High	2,360	2,290	2,190	2,110	2,010	1,920	1,820
	Med	2,140	2,090	2,020	1,920	1,850	1,780	1,710
	Low	1,820	1,800	1,780	1,750	1,680	1,610	1,470
PGE10*72	High	2,550	2,480	2,360	2,270	2,190	2,080	1,930
	Med	2,270	2,220	2,140	2,080	1,980	1,910	1,790
	Low	1,890	1,870	1,840	1,780	1,730	1,660	1,580

¹Add .10 to duct static for downflow CFM equivalent.

*Refers to B or C series (C series 3 phase only).

Cooling Performance Extended Ratings

Model	Indoor Temp. DB/WB °F	Outdoor Temp. DB°F														
		65			82			95			105			115		
		Btuh	S/T	kW	Btuh	S/T	kW	Btuh	S/T	kW	Btuh	S/T	kW	Btuh	S/T	kW
PGE10*24	85/72	28,096	.62	2.11	27,891	.66	2.45	25,621	.66	2.64	24,468	.68	2.65	21,773	.70	2.89
	80/67	26,530	.68	2.09	26,265	.72	2.42	23,400	.72	2.54	20,966	.74	2.66	18,453	.80	2.78
	75/63	25,600	.70	2.07	24,330	.73	2.38	21,990	.75	2.49	19,710	.78	2.71	17,350	.83	2.68
PGE10*30	85/72	32,890	.64	2.61	31,574	.67	2.94	30,835	.68	3.22	29,108	.70	3.40	25,302	.70	3.53
	80/67	31,515	.70	2.59	29,939	.72	2.91	29,000	.73	3.15	26,274	.76	3.27	22,825	.82	3.45
	75/63	29,990	.72	2.57	28,160	.74	2.92	27,260	.77	3.07	24,700	.79	3.19	21,460	.85	3.36
PGE10*36	85/72	44,416	.59	3.36	41,707	.63	3.81	39,536	.63	3.07	37,085	.65	3.24	34,077	.68	4.45
	80/67	41,843	.66	3.31	39,751	.67	4.02	35,000	.72	3.85	32,060	.76	4.05	29,602	.77	4.23
	75/63	38,700	.70	3.24	35,100	.73	3.60	32,900	.76	3.56	30,140	.79	3.72	27,830	.80	4.03
PGE10*42	85/72	52,054	.61	3.79	49,250	.66	4.54	45,111	.66	4.53	42,500	.68	4.85	39,016	.70	5.08
	80/67	48,977	.67	3.73	46,339	.72	4.47	41,000	.74	4.46	38,878	.76	4.59	33,800	.80	4.86
	75/63	45,350	.70	3.64	42,050	.74	4.36	38,540	.77	4.38	37,000	.79	4.57	31,770	.83	4.65
PGE10*48	85/72	56,684	.64	4.11	54,153	.65	4.69	52,134	.67	5.13	49,236	.68	5.53	45,462	.70	6.02
	80/67	52,937	.71	4.03	50,928	.72	4.57	47,000	.74	5.07	44,789	.76	5.45	41,011	.79	5.91
	75/63	49,830	.72	3.97	47,520	.74	4.45	44,030	.77	4.95	39,651	.86	5.36	35,584	.90	5.85
PGE10*60	85/72	68,816	.63	5.60	64,253	.67	5.99	60,779	.69	6.57	59,224	.69	7.05	55,895	.69	7.82
	80/67	64,142	.70	5.07	61,955	.72	5.84	58,000	.74	6.42	54,783	.76	7.00	50,531	.78	7.67
	75/63	61,250	.71	5.00	58,910	.72	5.73	55,150	.76	6.32	48,660	.84	6.86	43,300	.89	7.47
PGE10*72	85/72	81,717	.61	6.15	79,546	.62	7.25	77,218	.64	8.00	73,006	.66	8.85	68,979	.66	9.67
	80/67	78,310	.68	5.99	75,586	.69	7.12	70,000	.71	7.75	66,910	.73	8.66	61,351	.75	9.48
	75/63	73,420	.70	6.02	68,215	.72	7.00	65,680	.74	7.63	58,094	.82	8.46	52,738	.86	9.22

*Refers to B or C series (C series 3 phase only).

Accessories

Kit Number	Description	Used with
ACURB160-1*	14" Hinged Roofcurb	PGE24-42
ACURB162-1*	14" Hinged Roofcurb	PGE48-72
ADMPR145-2	0 - 25" Manual Outside Air Damper	PGE24-42
ADMPR146-2	0 - 25" Motorized Outside Air Damper	PGE24-42
ADMPR166-2*	0 - 25" Manual Outside Air Damper	PGE48-72
ADMPR167-2*	0 - 25" Motorized Outside Air Damper	PGE48-72
ADMPR151-1	Barometric Relief Damper	PGE24-72
AECON147-2	Economizer - Downflow Modulating w/Relief	PGE24-42
AECON148-2	Economizer - Horizontal Modulating	PGE24-42
AECON169-2*	Economizer - Horizontal Modulating	PGE48-72
AECON168-2*	Economize - Downflow Modulating w/Relief	PGE48-72
ACONC164-1*	Concentric Duct Adapter	PGE24-42
ACONC165-1*	Concentric Duct Adapter	PGE48-72
ADIFF89-1	Air Diffuser - Flush	PGE24-72
ADIFF150-1	Air Diffuser - Step Down	PGE24-72
ALOAM111-1	Low Ambient Control	PGE24-72
AHPSW436-1	High Pressure Cut-Out Kit	PGE24-72
ATIMR446-1	Short Cycle Protector	PGE24-72
ALPKT533-1	LP Gas Conversion	PGE24-72

*For use with B and C series units (C series 3 phase only).

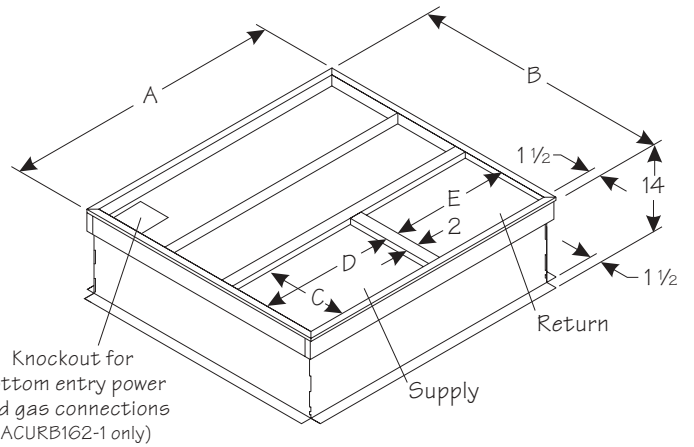
Accessories (All dimensions in inches)

Hinged Roof Curb

ACURB160-1 (24-42)

ACURB162-1 (48-72)

Kit Number	A	B	C	D	E
ACURB160-1	43	43	19	18	20
ACURB162-1	52	47 1/8	19 1/2	23 1/2	23 1/2

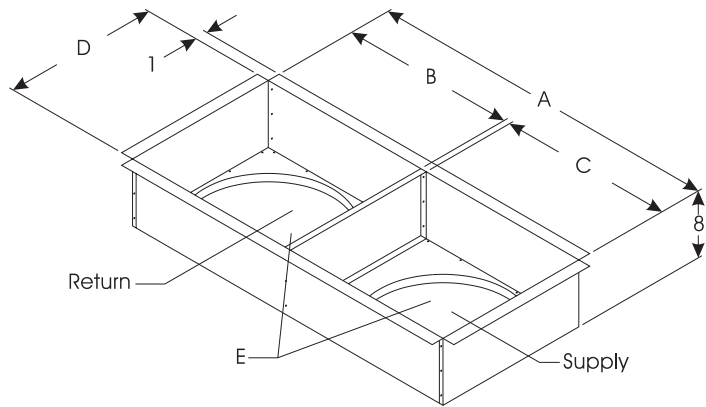


Concentric Curb Adaptor

ACONC164-1 (24-42)

ACONC165-1 (48-72)

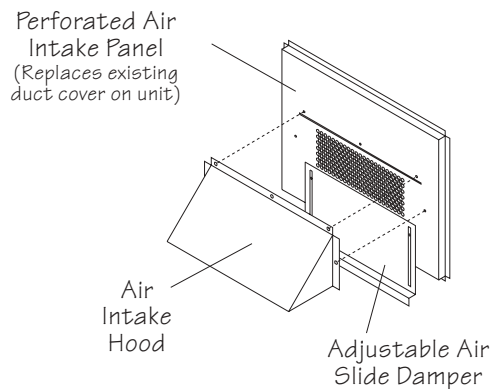
Kit Number	A	B	C	D	E
ACONC164-1	39	19 1/2	18 3/4	18 1/2	16
ACONC165-1	48	23 5/8	23 5/8	19	18



0-25% Manual Outside Air Damper

ADMPR145-2 (24-42)

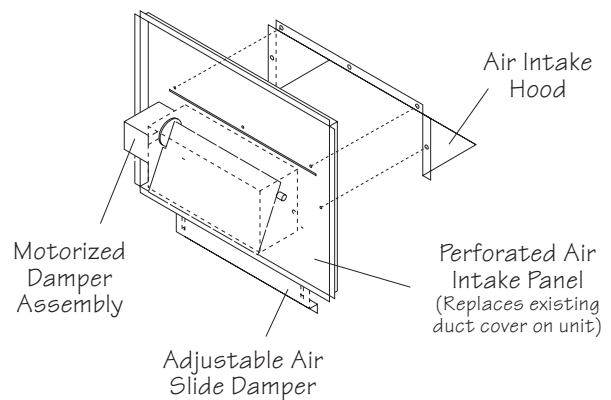
ADMPR166-2 (48-72)



0-25% Motorized Outside Air Damper

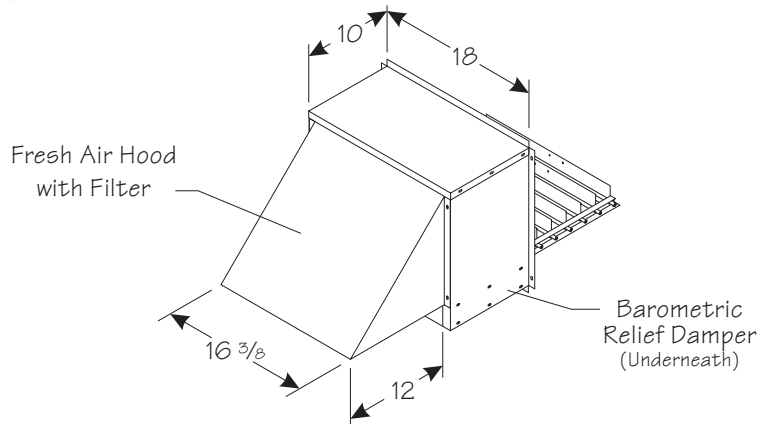
ADMPR146-2 (24-42)

ADMPR167-2 (48-72)



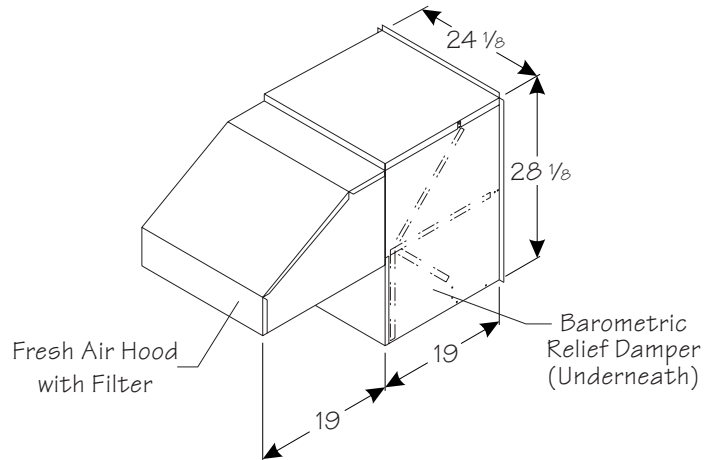
Economizer - Downflow Modulating with Relief

AECON147-2 (24-42)



Economizer - Downflow Modulating with Relief

AECON168-2 (48-72)

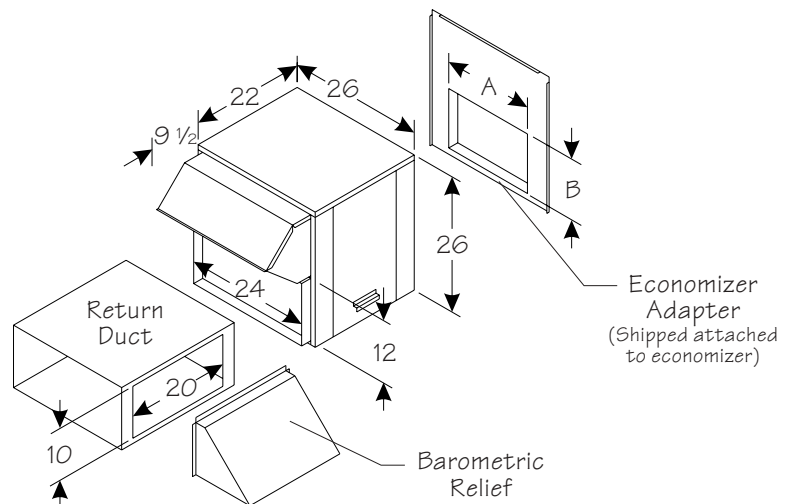


Economizer - Horizontal Modulating

AECON148-2 (24-42)

AECON169-2 (48-72)

Model	A	B
AECON148-2	17 3/4	11 5/8
AECON169-2	21 3/4	12 1/8



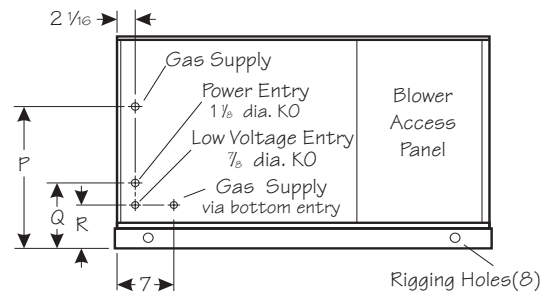
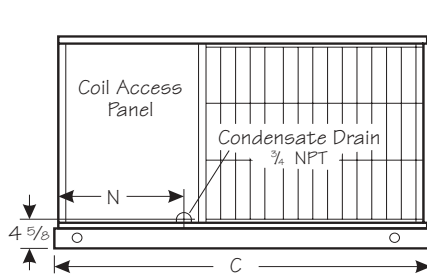
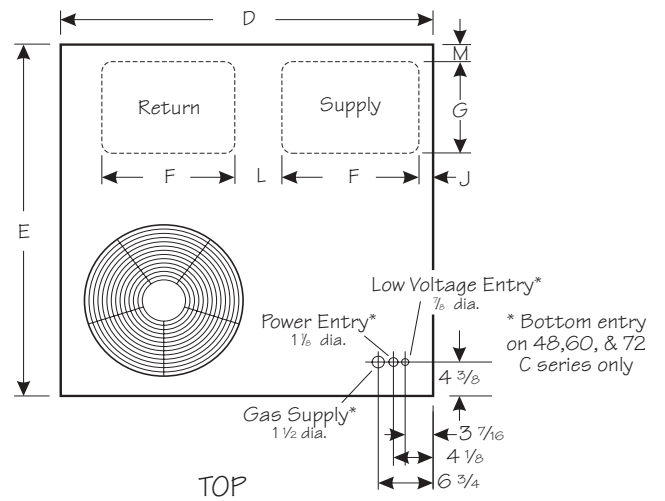
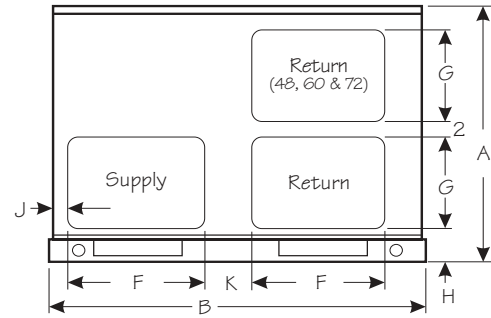
Dimensions (in.)

Model	A	B	C	D	E	F
PGE10*24	27 11/16	46 1/2	46 1/2	45 5/8	45 5/8	17 1/2
PGE10*30						
PGE10*36						
PGE10*42	31 11/16	46 1/2	46 1/2	45 5/8	45 5/8	17 1/2
PGE10*48	33 11/16	55 1/2	50 1/2	54 5/8	49 5/8	21 1/2
PGE10*60						
PGE10*72						

Model	G	H	J	K	L
PGE10*24	11 1/2	5	1 13/16	4	4
PGE10*30					
PGE10*36					
PGE10*42	11 1/2	5	1 13/16	4	4
PGE10*48	12	4 1/8	1 1/8	6 1/4	5 5/8
PGE10*60					
PGE10*72					

Model	M	N	P	Q	R
PGE10*24	1 15/16	15 5/8	23 1/8	19 7/8	9 1/16
PGE10*30					
PGE10*36					
PGE10*42	1 15/16	15 5/8	27 1/8	23 7/8	9 1/16
PGE10*48	2 1/4	17 1/8	28 15/16	25 11/16	14 7/8
PGE10*60					
PGE10*72					

*Refers to B and C series (C series 3 phase only).



All specifications are subject to change without notice.



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