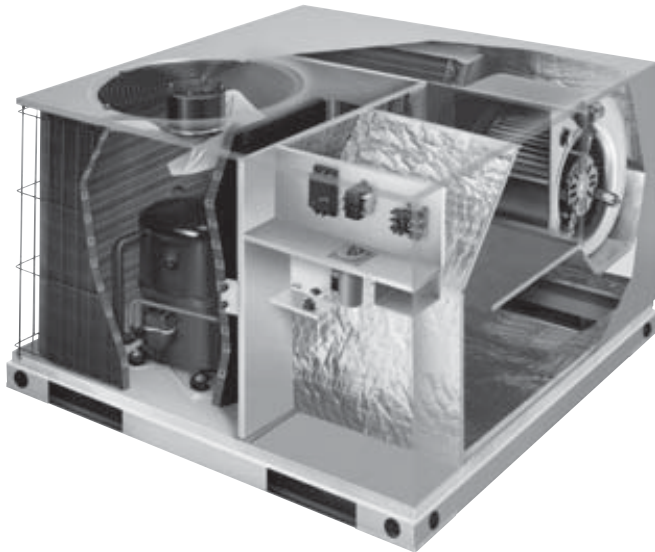




PCE10



**Compak™
10**

Package Electric Cooling

2-6 Ton

10 SEER

REFRIGERANT SYSTEM

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

CABINET

- Low profile with compact footprint
- Insulation to minimize heat loss
- Powder paint 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
- Split ring design with quick plug-in wiring
- Multispeed motor for wide airflow range
- PSC prelubricated motor for low maintenance, maximum efficiency, and wider airflow range.
- Dynamically balanced blower with resilient motor mounts for smooth and quiet operation

CONTROLS

- Trade available components
- Color coded wiring for easy service

INSTALLATION

- Horizontal or down discharge
- Factory wired for economizer connection (C Series only)
- Full perimeter base rail system for easy installation on roofcurb applications
- C Series 3 phase units set up for down discharge

WARRANTY

- 5 Year on all parts (2 Year on C Series 3 phase)
- 5 Year limited on compressor

ACCESSORIES

- Hinged Roofcurb
- Concentric Duct Kit
- Electric Strip Heat Kits (5 – 20 kw)
- Single Point Power Entry Kit
- Economizer - Horizontal Modulating
- Economizer - Modulating w/Relief
- Barometric Relief Damper
- 0 – 25% Manual Outside Air Kit
- 0 – 25% Automatic Outside Air Kit
- Short Cycle Protector
- Low Ambient Kit



Model Number Guide

	P	CE	10	B	48	D	A	-	3	
P - Package										Revision Code
CE- Cooling/Electric										A - 208-230V/60HZ/1Ø
10 - Nominal SEER										B - 200-230V/60HZ/3Ø
B - Series										C - 460V/60HZ/3Ø
Nominal Capacity										D - 575V/60HZ/3Ø
48 - 48,000 Btuh										D - Direct Drive

Physical

Model	Outside Fan		Indoor Blower Wheel dia. x width (in.)	Refrigerant Charge (oz.)	Weight (lbs.)
	Diameter (in.)	Nominal RPM			
PCE10*24	18	1075	10 x 6	52	260
PCE10*30	18	1075	10 x 8	51	280
PCE10*36	18	1075	10 x 8	58	300
PCE10*42	18	1075	10 x 9	73	330
PCE10*48	20	1075	12 x 10	96	420
PCE10*60	20	1075	12 x 10	110	440
PCE10*72	20	1075	12 x 11	174	440

*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.	Compressor		Fan Motor		Indoor Blower	
					Rated Load (amps)	Locked Rotor (amps)	Rated Load (amps)	Rated HP	Rated Load (amps)	Rated HP
PCE10B24DA	208-230/60/1	197-253	16.6	25	10.5	56	.9	1/8	2.8	1/2
PCE10B30DA	208-230/60/1	197-253	20.8	30	13.7	76.1	.9	1/8	2.8	1/2
PCE10B36DA	208-230/60/1	197-253	24.9	30	16.4	96	1.8	1/4	2.8	1/2
PCE10C36DB	200-230/60/3	187-253	17.5	25	10.3	75	1.8	1/4	2.8	1/2
PCE10B42DA	208-230/60/1	197-253	26.7	35	17.2	105	1.8	1/4	3.4	1/2
PCE10B48DA	208-230/60/1	197-253	34.1	40	21.8	116	1.8	1/4	5.0	9/10
PCE10C48DB	200-230/60/3	187-253	24.6	35	14.3	91	1.8	1/4	5.0	9/10
PCE10C48DC	460/60/3	414-506	12.6	15	7.2	46	.9	1/4	2.7	9/10
PCE10C48DD	575/60/3	518-633	9.8	15	5.7	37	.7	1/4	2.0	9/10
PCE10B60DA	208-230/60/1	197-253	38.1	45	25.0	170	1.8	1/4	5.0	9/10
PCE10C60DB	200-230/60/3	187-253	26.1	30	15.4	124	1.8	1/4	5.0	9/10
PCE10C60DC	460/60/3	414-506	13.9	20	8.2	59.6	.9	1/4	2.7	9/10
PCE10C60DD	575/60/3	518-633	12.0	15	7.4	51	.7	1/4	2.0	9/10
PCE10C72DB	200-230/60/3	187-253	33.5	40	20.3	156	1.8	1/4	6.3	9/10
PCE10C72DC	460/60/3	414-506	15.0	20	8.9	70	.9	1/4	3.0	9/10
PCE10C72DD	575/60/3	518-633	12.2	15	7.4	54	.7	1/4	2.2	9/10

Blower Performance

Model	Blower Speed	CFM @ ext. static pressure - in. w.c. w/o filter(s) ¹						
		.20	.30	.40	.50	.60	.70	.80
PCE10*24	High	1,100	1,060	1,000	940	880	800	720
	Med	940	890	870	840	800	720	660
	Low	850	800	790	770	750	670	600
PCE10*30	High	1,400	1,350	1,280	1,200	1,120	1,030	920
	Med	1,160	1,120	1,080	1,030	980	900	780
	Low	1,050	1,020	1,000	950	910	840	750
PCE10*36	High	1,400	1,350	1,280	1,200	1,120	1,030	920
	Med	1,160	1,120	1,080	1,030	980	900	780
	Low	1,050	1,020	1,000	950	910	840	750
PCE10*42	High	1,640	1,560	1,500	1,400	1,300	1,260	1,160
	Med	1,570	1,500	1,440	1,340	1,270	1,200	1,100
	Low	1,480	1,430	1,360	1,290	1,230	1,170	1,050
PCE10*48	High	2,150	2,100	2,030	1,950	1,875	1,750	1,650
	Med	1,920	1,870	1,790	1,730	1,650	1,580	1,500
	Low	1,750	1,720	1,650	1,600	1,550	1,480	1,400
PCE10*60	High	2,150	2,100	2,030	1,950	1,875	1,750	1,650
	Med	1,920	1,870	1,790	1,730	1,650	1,580	1,500
	Low	1,750	1,720	1,650	1,600	1,550	1,480	1,400
PCE10*72	High	2,510	2,470	2,350	2,250	2,170	2,050	1,900
	Med	2,250	2,200	2,120	2,060	1,960	1,880	1,760
	Low	1,870	1,840	1,810	1,770	1,720	1,620	1,550

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

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

Performance

Model	Cooling				
	Btuh	SEER	EER	S/T	CFM
PCE10*24	23,400	10.00	9.2	.72	800
PCE10*30	29,000	10.00	9.2	.72	1,000
PCE10*36	35,000	10.00	9.1	.72	1,200
PCE10*42	41,000	10.00	9.2	.74	1,400
PCE10*48	47,000	10.00	9.3	.74	1,600
PCE10*60	58,000	10.00	9.0	.74	1,950
PCE10*72	70,000	10.00	9.0	.71	2,250

*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
PCE10*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	25,239	.75	2.07	24,987	.79	2.38	20,139	.83	2.49	18,125	.88	2.71	15,110	.96	2.68
PCE10*30	85/72	32,890	.64	2.61	31,574	.68	2.94	30,835	.67	3.22	29,108	.70	3.40	25,302	.70	3.53
	80/67	31,515	.70	2.59	29,939	.73	2.91	29,000	.72	3.15	26,274	.76	3.27	22,825	.82	3.45
	75/63	29,756	.76	2.57	29,161	.80	2.92	25,000	.83	3.07	22,000	.88	3.19	20,607	.92	3.36
PCE10*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	39,098	.73	3.24	37,065	.75	3.60	32,358	.80	3.56	28,895	.84	3.72	24,776	.90	4.03
PCE10*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	46,252	.75	3.64	43,760	.81	4.36	40,500	.84	4.38	39,171	.87	4.57	29,154	.92	4.65
PCE10*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	50,103	.78	3.97	46,238	.80	4.45	43,687	.83	4.95	39,651	.86	5.36	35,584	.89	5.85
PCE10*60	85/72	68,816	.63	5.60	64,253	.69	5.99	60,779	.67	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	60,494	.77	5.00	56,954	.75	5.73	53,625	.81	6.32	50,436	.82	6.86	44,277	.90	7.47
PCE10*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).

Heat Strip Electric (Single Phase)

Blower Unit Model	Heater Model	Unit Supply Voltage	kW	Blower Motor Rated Load Amps ¹	Minimum	Max.	Min. Wire Size ²	Minimum	Max.	Min. Wire Size ²	Minimum	Max.	Min. Wire Size ²	
					Circuit Ampacity A	Fuse/HACR Brkr. A		Circuit Ampacity B	Fuse/HACR Brkr. B		Circuit Ampacity C	Fuse/HACR Brkr. C		
PCE10B24A	AHSA05A	240	5.00	2.8	29.3	30	10							
		208	3.76	2.8	25.8	30	10							
	AHSA07A	240	7.00	2.8	39.7	40	8							
		208	5.26	2.8	34.8	35	8							
	AHSA10A	240	10.00	2.8	55.3	60	4							
		208	7.51	2.8	48.4	50	6							
PCE10B30A PCE10B36A	AHSA05A	240	5.00	2.8	29.3	30	10							
		208	3.76	2.8	25.8	30	10							
	AHSA07A	240	7.00	2.8	39.7	40	8							
		208	5.26	2.8	34.8	35	8							
	AHSA10A	240	10.00	2.8	55.3	60	4							
		208	7.51	2.8	48.4	50	6							
	AHSA15A	240	15.00	2.8	55.3	60	4	26.0	30	10				
		208	11.27	2.8	48.4	50	6	22.6	25	10				
		AHSA20A	240	20.00	2.8	55.3	60	4	52.1	60	4			
			208	15.02	2.8	48.4	50	6	45.1	50	6			
	PCE10B42A	AHSA05A	240	5.00	3.4	30.3	35	8						
			208	3.76	3.4	26.8	30	10						
AHSA07A		240	7.00	3.4	40.7	50	6							
		208	5.26	3.4	35.8	40	8							
AHSA10A		240	10.00	3.4	56.3	60	4							
		208	7.51	3.4	49.4	50	6							
AHSA15A		240	15.00	3.4	56.3	60	4	26.0	30	10				
		208	11.27	3.4	49.4	50	6	22.6	25	10				
		AHSA20A	240	20.00	3.4	56.3	60	4	52.1	60	4			
			208	15.02	3.4	49.4	50	6	45.1	50	6			
PCE10B48A PCE10B60A		AHSA10A	240	10.00	5.0	58.4	60	4						
			208	7.51	5.0	51.4	60	6						
	AHSA15A	240	15.00	5.0	58.4	60	4	26.0	30	10				
		208	11.27	5.0	51.4	60	6	22.6	25	10				
	AHSA20A	240	20.00	5.0	58.4	60	4	52.1	60	4				
		208	15.02	5.0	51.4	60	6	45.1	50	6				
	AHSA25A	240	25.00	5.0	58.4	60	4	52.1	60	4	26.0	30	10	
		208	18.78	5.0	51.7	60	6	45.1	50	6	22.6	25	10	

¹Blower Motor always on Circuit A.

²Based on 60°C type copper conductor 50 feet long in accordance with the National Electric Code.

Heat Strip Electrical (Three Phase)

Blower Unit Model	Heater Model	Unit Supply Voltage	kW	Blower	Minimum	Max.	Min. Wire Size ²	Minimum	Max.	Min. Wire Size ²	Minimum	Max.	Min. Wire Size ²
				Motor Rated Load Amps ¹	Circuit Ampacity A	Fuse/HACR Brkr. A		Circuit Ampacity B	Fuse/HACR Brkr. B		Circuit Ampacity C	Fuse/HACR Brkr. C	
PCE10C36B	AHS10B	240	10.00	2.6	29.3	30	10						
		208	7.51	2.6	25.8	30	10						
	AHS15B	240	15.00	2.6	42.3	50	6						
		208	11.27	2.6	37.1	40	8						
PCE10C48B	AHS10B	240	10.00	5.0	32.3	30	8						
		208	7.51	5.0	28.9	30	10						
	AHS15B	240	15.00	5.0	45.3	50	6						
		208	11.27	5.0	40.2	45	6						
PCE10C60B	AHS20B	240	20.00	5.0	32.3	30	8	26.0	30	10			
		208	15.02	5.0	28.9	30	10	22.6	25	10			
	AHS25B	240	25.00	5.0	45.3	50	6	26.0	30	10	26.0	30	10
		208	18.78	5.0	40.2	45	6	22.6	25	10	22.6	25	10
PCE10C48DC	AHS10C	480	10.00	2.7	18.4	20	12						
		208	7.51	2.7	16.2	20	12						
	AHS15C	480	15.00	2.7	25.9	30	8						
		208	11.27	2.7	22.7	30	8						
PCE10C60DC	AHS20C	480	20.00	2.7	18.4	20	12	15.0	20	14			
		208	15.02	2.7	16.2	20	12	12.0	15	14			
	AHS25C	480	25.00	2.7	25.9	30	8	15.0	20	14			
		208	18.78	2.7	22.7	30	8	12.0	15	14			
PCE10C60DD	AHS10D	600	10.00	2.0	14.5	15	14						
		208	7.51	2.0	12.7	15	14						
	AHS15D	600	15.00	2.0	20.5	25	12						
		208	11.27	2.0	18.2	25	12						
PCE10C72DB	AHS20D	600	20.00	2.0	14.5	15	14	12.0	15	14			
		208	15.02	2.0	12.7	15	14	9.0	12	14			
	AHS25D	600	25.00	2.0	20.5	25	12	12.0	15	14			
		208	18.78	2.0	18.2	25	12	9.0	12	14			
PCE10C72DB	AHS10B	240	10.00	6.3	33.6	40	8						
		208	7.51	6.3	30.2	40	10						
	AHS15B	240	15.00	6.3	46.6	50	6						
		208	11.27	6.3	41.5	45	6						
	AHS20B	240	20.00	6.3	33.6	40	8	26	30	10			
		208	15.02	6.3	30.2	40	10	22.6	25	10			
	AHS25B	240	25.00	6.3	46.6	50	6	26	30	10	26	30	10
		208	18.78	6.3	41.5	45	6	22.6	25	10	22.6	25	10
PCE10C72DC	AHS10C	480	10.00	3.0	18.7	20	12						
		208	7.51	3.0	16.5	20	12						
	AHS15C	480	15.00	3.0	26.2	30	8						
		208	11.27	3.0	23.0	30	8						
PCE10C72DD	AHS20C	480	20.00	3.0	18.7	20	12	15	20	14			
		208	15.02	3.0	16.5	20	12	12.0	15	14			
	AHS25C	480	25.00	3.0	26.2	30	8	15	20	14			
		208	18.78	3.0	23.0	30	8	12.0	15	14			
PCE10C72DD	AHS10D	600	10.00	2.2	14.7	15	14						
		208	7.51	2.2	12.9	15	14						
	AHS15D	600	15.00	2.2	20.7	25	12						
		208	11.27	2.2	18.4	25	12						
PCE10C72DD	AHS20D	600	20.00	2.2	14.7	15	14	12	15	14			
		208	15.02	2.2	12.9	15	14	9.0	12	14			
	AHS25D	600	25.00	2.2	20.7	25	12	12	15	14			
		208	18.78	2.2	18.4	25	12	9.0	12	14			

¹Blower Motor always on Circuit A.

²Based on 60°C type copper conductor 50 feet long in accordance with the National Electric Code.

Accessories

Kit Number	Description	Used with
ACURB160-1*	14" Hinged Roofcurb	PCE24-42
ACURB162-1*	14" Hinged Roofcurb	PCE48-72
ADMPR145-1	0 - 25" Manual Outside Air Damper	PCE24-42
ADMPR146-1	0 - 25" Motorized Outside Air Damper	PCE24-42
ADMPR166-1*	0 - 25" Manual Outside Air Damper	PCE48-72
ADMPR167-1*	0 - 25" Motorized Outside Air Damper	PCE48-72
ADMPR151-1	Barometric Relief Damper	PCE24-72
AECON147-1	Economizer - Modulating w/relief	PCE24-42
AECON148-1	Economizer - Modulating w/relief	PCE24-42
AECON169-1*	Economizer - Horizontal Modulating	PCE48-72
AECON168-1*	Economizer - Modulating w/relief	PCE48-72
ACONC164-1*	Concentric Duct Adapter	PCE24-42
ACONC165-1*	Concentric Duct Adapter	PCE48-72
ADIFF89-1	Air Diffuser - Flush	PCE24-72
ADIFF150-1	Air Diffuser - Step down	PCE24-72
AHSA05A-1	5KW Electric Heat Kit	PCE24-42
AHSA07A-1	7KW Electric Heat Kit	PCE24-42
AHSA10A-1	10KW Electric Heat Kit	PCE24-72
AHSA15A-1	15KW Electric Heat Kit	PCE30-72
AHSA20A-1	20KW Electric Heat Kit	PCE30-72
AHSA25A-1	25KW Electric Heat Kit	PCE48-72
AHSA10B-1	10KW Electric Heat Kit - 3 Phase	PCE36-72B
AHSA15B-1	15KW Electric Heat Kit - 3 Phase	PCE36-72B
AHSA20B-1	20KW Electric Heat Kit - 3 Phase	PCE36-72B
AHSA25B-1	25KW Electric Heat Kit - 3 Phase	PCE48-72B
AHSA10C-1	10 kW Electric Heat Kit - 3 Phase	PCE48-72C
AHSA15C-1	15 kW Electric Heat Kit - 3 Phase	PCE48-72C
AHSA20C-1	20 kW Electric Heat Kit - 3 Phase	PCE48-72C
AHSA25C-1	25 kW Electric Heat Kit - 3 Phase	PCE48-72C
AHSA10D-1	10 kW Electric Heat Kit - 3 Phase	PCE48-72D
AHSA15D-1	15 kW Electric Heat Kit - 3 Phase	PCE48-72D
AHSA20D-1	20 kW Electric Heat Kit - 3 Phase	PCE48-72D
AHSA25D-1	25 kW Electric Heat Kit - 3 Phase	PCE48-72D
ALOAM111-1	Low Ambient Control	PCE24-72
AHPSW436-1	High Pressure Cut-Out Kit	PCE24-72
ATIMR446-1	Short Cycle Protector	PCE24-72
ASTAT444-1	Outdoor Thermostat	PCE24-72
ASPWR160-1	Single Point Power Entry	PCE24-42
ASPWR161-1	Single Point Power Entry	PCE48-72
ASPWR162-1	Single Point Power Entry 460/575 Volt	PCE48-72

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

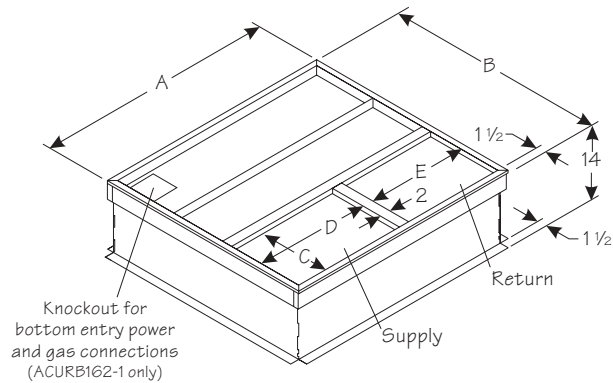
Accessories (All dimensions in inches)

Hinged Roof Curb

ACURB160-1 (24-42)

ACURB162-1 (48-60)

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

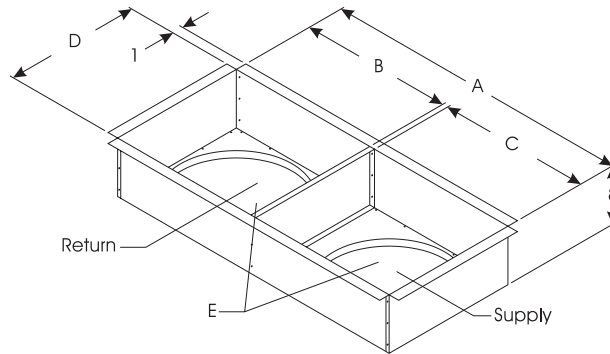


Concentric Curb Adaptor

ACONC164-1 (24-42)

ACONC165-1 (48-60)

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

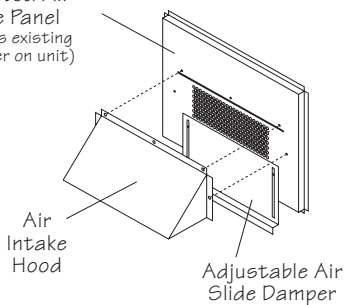


Manual Outside Fresh Air Damper

ADMPR145-1 (24-42)

ADMPR166-1 (48-60)

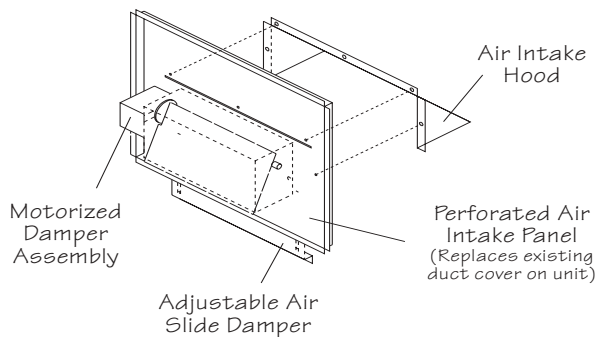
Perforated Air Intake Panel
(Replaces existing duct cover on unit)



Motorized Outside Fresh Air Damper

ADMPR146-1 (24-42)

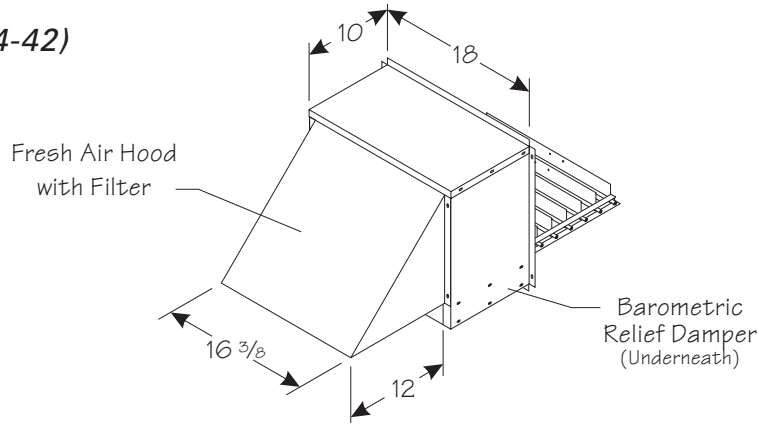
ADMPR167-1 (48-60)



Accessories (All dimensions in inches)

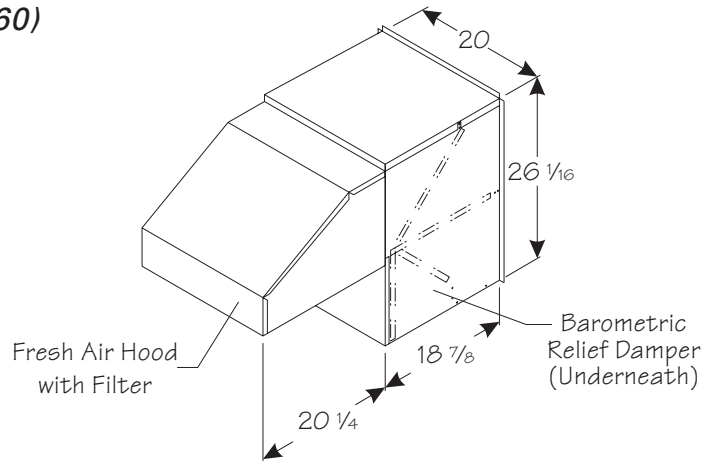
Economizer - Downflow Modulating w/Relief

AECON147-1 (24-42)



Economizer - Downflow Modulating w/Relief

AECON168-1(48-60)

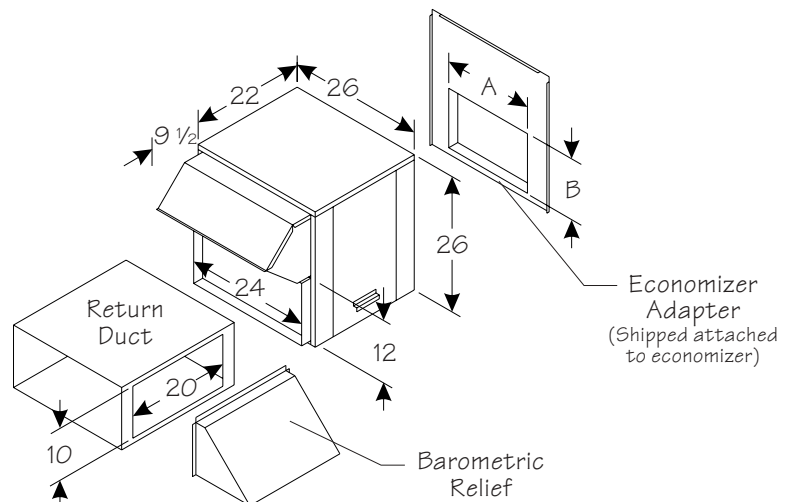


Economizer - Horizontal Modulating

AECON148-1 (24-42)

AECON169-1 (48-60)

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



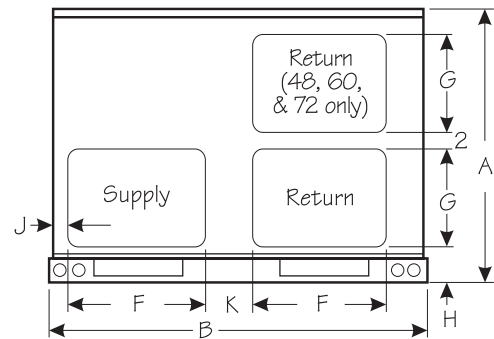
Dimensions (in.)

Model	A	B	C	D	E	F
PCE10*24						
PCE10*30	27 11/16	46 1/2	46 1/2	45 5/8	45 5/8	17 1/2
PCE10*36						
PCE10*42	31 11/16	46 1/2	46 1/2	45 5/8	45 5/8	17 1/2
PCE10*48						
PCE10*60	33 11/16	55 1/2	50 1/2	54 5/8	49 5/8	21 1/2
PCE10*72						

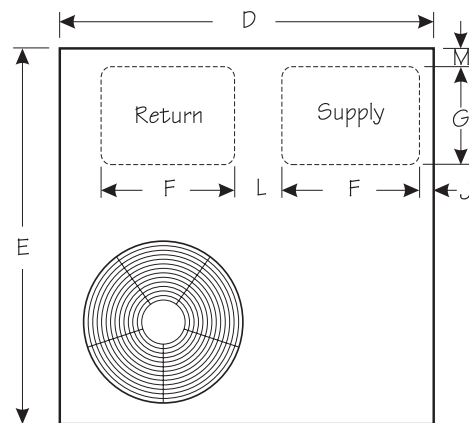
Model	G	H	J	K	L
PCE10*24					
PCE10*30	11 1/2	5	1 13/16	4	4
PCE10*36					
PCE10*42	11 1/2	5	1 13/16	4	4
PCE10*48					
PCE10*60	12	4 1/8	1 1/8	6 1/4	5 5/8
PCE10*72					

Model	M	N	P	Q	R
PCE10*24					
PCE10*30	1 15/16	15 5/8	23 1/8	19 7/8	9 1/16
PCE10*36					
PCE10*42	1 15/16	15 5/8	27 1/8	23 7/8	9 1/16
PCE10*48					
PCE10*60	2 1/4	17 1/8	28 15/16	25 11/16	14 7/8
PCE10*72					

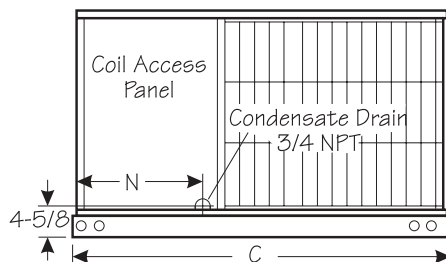
*Refers to B and C series (C series 3 phase only).



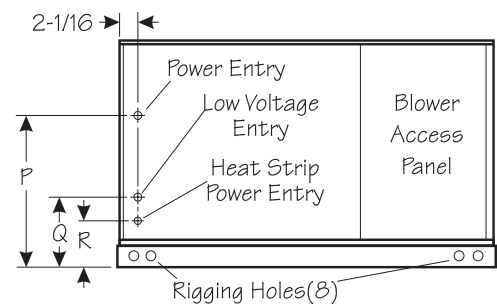
REAR



TOP



LEFT SIDE



RIGHT SIDE

All specifications are subject to change without notice.



421 Monroe Street • Bellevue, OH 44811
(419) 483-4840

