

AIREASE®

Built for life. Yours.

GAS / ELECTRIC Residential Package Unit

Form No. JRPGE13-3,4-100 (09/2012)

RPGE13-3,4

Features and Benefits

Refrigerant System

- Environmentally friendly R410A refrigerant
- Copper tubing with enhanced fin coils
- External service gauge ports

Heat Exchanger

- Aluminized steel tapered S-curve
- Crimped no weld construction for longer life
- L models comply with California Energy Commission Low NOx regulations

Cabinet Construction

- Low profile, with compact footprint
- Insulation to minimize heat loss plus reduce sound
- Baked on pre-painted steel cabinet finish
- Easy service access
- Wire grill protection
- One piece "no leak" top design

Blower

- Insulated compartment to reduce sound
- High efficiency multispeed motor for wide airflow range

Controls

- Solid state integrated blower control board with L.E.D. diagnostics
- Direct spark ignition

Installation

- Full perimeter base rail system for easy installation
- Horizontal or down discharge, duct covers provided
- Utility connections on "right side"
- Filter channels for 1" filter field provided



Warranty

- 10 year limited parts and compressor warranty/lifetime heat exchanger warranty available. See limited warranty document for details.



Model Number Guide

	RP	GE	13	A	36	075	L	P	- 3,4	A	
Residential Packaged	_____	_____	_____	_____	_____	_____	_____	_____	_____	_____	A - Service Level
Gas / Electric	_____	_____	_____	_____	_____	_____	_____	_____	_____	_____	Revision Code
SEER 13	_____	_____	_____	_____	_____	_____	_____	_____	_____	_____	Voltage P - 208-230v/60hz Single Phase
Series	_____	_____	_____	_____	_____	_____	_____	_____	_____	_____	Nox (Blank Standard) L - Low Nox
											Nominal Heating 75 - 75,000 Btuh
											Nominal Capacity 36 - 36,000 Btuh (24 through 60)

Electrical and Physical Data

Model	Voltage/HZ/ Phase	Voltage Range	Min. Circuit Amp.	Max. Over Current Device (amps)	Compressor		Condenser Fan Motor			Indoor Blower Motor		Exhaust Motor		Refrig. Charge	Weight (lbs.)
					Rated Load (amps)	Locked Rotor (amps)	Rated Load (amps)	Rated HP	Nom. RPM	Rated Load (amps)	Rated HP	Rated Load (amps)	Rated HP		
RPGE13A24050(L)P-3	208-230/60/1	197-253	20.3	30	13.4	58.3	0.7	1/10	1075	2.6	1/3	0.7	1/30	72	350
RPGE13A24075(L)P-3			21.6	35										68	360
RPGE13A30050(L)P-3	208-230/60/1	197-253	21.5	35	14.1	73.0	1.1	1/5	1075	2.8	1/3	0.7	1/30	72	355
RPGE13A30075(L)P-3			22.8	35										68	365
RPGE13A36075(L)P-3	208-230/60/1	197-253	21.7	30	13.1	74	1.2	1/4	1075	4.1	1/2	0.7	1/30	117	405
RPGE13A36100P-3															415
RPGE13A42075(L)P-4	208-230/60/1	197-253	25.8	40	16.0	88	1.7	1/3	1075	4.1	1/2	0.7	1/30	90	430
RPGE13A42100(L)P-4			27.5												445
RPGE13A48100(L)P-3	208-230/60/1	197-253	28.4	40	16.7	84	1.7	1/3	1075	5.8	3/4	0.7	1/30	104	450
RPGE13A48125P-3															460
RPGE13A60100(L)P-3	208-230/60/1	197-253	38.7	60	25.0	134	1.7	1/3	1075	5.8	1	0.7	1/30	140	495
RPGE13A60125P-3															505

Performance

Model	Cooling					Heating			
	BTUH	SEER	EER	S/T	CFM	Input BTUH	Output BTUH	Efficiency AFUE	Temp Rise Range °F
RPGE13A24050(L)P-3	22,800	13.0	11.0	0.73	800	50,000	40,000	80%	30 - 60
RPGE13A24075(L)P-3						75,000	60,000		35 - 65
RPGE13A30050(L)P-3	28,000	13.0	11.0	0.75	1050	50,000	40,000	80%	30 - 60
RPGE13A30075(L)P-3						75,000	60,000		35 - 65
RPGE13A36075(L)P-3	34,000	13.0	11.0	0.71	1200	75,000	60,000	80%	35 - 65
RPGE13A36100P-3						100,000	80,000		45 - 75
RPGE13A42075(L)P-4	40,000	13.0	11.0	0.75	1400	75,000	60,000	80%	30 - 60
RPGE13A42100(L)P-4						100,000	80,000		40 - 70
RPGE13A48100(L)P-3	46,000	13.0	11.0	0.75	1600	100,000	80,000	80%	40 - 70
RPGE13A48125P-3						125,000	100,000		45 - 75
RPGE13A60100(L)P-3	56,000	13.0	11.0	0.72	1800	100,000	80,000	80%	40 - 70
RPGE13A60125P-3						125,000	100,000		45 - 75

Blower Performance

Model	Blower Tap* (1 - 5)	CFM @ ext. Static Pressure in in. wc without filter, dry coil							
		0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8
RPGE13A24050(L)P-3 RPGE13A24075(L)P-3	1	500	480	420	340	290	240	---	---
	2	830	790	760	710	640	600	560	520
	3	1020	980	940	890	850	810	760	700
RPGE13A30050(L)P-3 RPGE13A30075(L)P-3	1	680	600	530	480	440	380	---	---
	2	1080	1040	1000	960	930	890	840	780
	3	1120	1090	1040	1010	980	930	890	840
RPGE13A36075(L)P-3 RPGE13A36100P-3	1	760	680	600	550	490	---	---	---
	2	1250	1210	1180	1130	1090	1060	1010	960
	3	1370	1330	1280	1250	1210	1170	1120	1040
RPGE13A42075(L)P-4 RPGE13A42100(L)P-4	1	860	780	710	660	600	560	---	---
	2	1460	1400	1340	1280	1230	1180	1140	1100
	3	1600	1560	1500	1450	1400	1320	1230	1150
RPGE13A48100(L)P-3 RPGE13A48125P-3	1	970	890	820	780	740	680	---	---
	2	1680	1640	1590	1540	1450	1330	1260	1180
	3	1890	1820	1730	1620	1540	1430	1300	1210
RPGE13A60100(L)P-3 RPGE13A60125P-3	1	1200	1130	1070	990	930	860	-	-
	2	1870	1840	1800	1760	1700	1650	1600	1550
	3	2010	1970	1930	1890	1850	1810	1760	1700

Add .10 Duct Static for Downflow CFM

* Tap 1 - Fan Only

Tap 2 - Low Static Cooling

Tap 3 - High Static Cooling

Taps 4 & 5 designed for Heating

mid point temperature rise @: Tap 4 - Nominal .2 ESP

Tap 5 - Nominal .5 ESP

Cooling Performance Extended Ratings

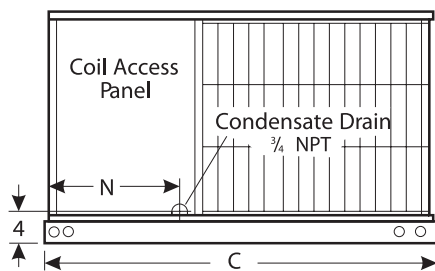
Model	Indoor Temp DB/WB °F	Outdoor Temp - DB°F														
		65°			82°			95°			105°			115°		
		Btuh	S/T	kW	Btuh	S/T	kW	Btuh	S/T	kW	Btuh	S/T	kW	Btuh	S/T	kW
RPGE13A24050(L)P-3 RPGE13A24075(L)P-3	85/72	28,800	0.60	1.50	26,700	0.62	1.83	25,100	0.64	2.09	22,700	0.68	2.33	20,300	0.71	2.35
	80/67	27,100	0.66	1.48	24,900	0.70	1.79	22,800	0.72	2.07	21,300	0.77	2.27	17,700	0.79	2.33
	75/63	25,500	0.70	1.47	22,800	0.76	1.79	20,700	0.80	2.04	18,200	0.83	2.29	15,700	0.85	2.32
	75/57	22,200	1.00	1.45	20,200	1.00	1.77	18,700	1.00	2.02	16,800	1.00	2.28	15,000	1.00	2.31
RPGE13A30050(L)P-3 RPGE13A30075(L)P-3	85/72	36,300	0.61	1.94	33,000	0.64	2.28	30,600	0.67	2.56	27,300	0.71	2.86	24,200	0.74	2.91
	80/67	33,800	0.68	1.91	30,700	0.73	2.25	28,000	0.76	2.55	25,200	0.81	2.79	21,500	0.83	2.88
	75/63	31,700	0.72	1.88	27,800	0.76	2.23	25,200	0.79	2.50	22,000	0.85	2.81	18,700	0.90	2.85
	75/57	27,200	1.00	1.85	24,600	1.00	2.21	22,600	1.00	2.49	20,300	1.00	2.80	18,000	1.00	2.84
RPGE13A36075(L)P-3 RPGE13A36100P-3	85/72	39,000	0.62	2.35	37,500	0.64	2.77	36,300	0.65	3.10	34,200	0.68	3.43	31,900	0.70	3.48
	80/67	36,800	0.69	2.34	36,100	0.71	2.73	34,000	0.72	3.09	31,000	0.76	3.33	29,000	0.78	3.47
	75/63	35,600	0.72	2.33	32,900	0.75	2.74	30,700	0.77	3.06	28,500	0.80	3.38	26,100	0.83	3.44
	75/57	32,000	1.00	2.29	31,000	1.00	2.71	30,300	1.00	3.03	28,100	1.00	3.35	25,800	1.00	3.40
RPGE13A42075(L)P-4 RPGE13A42100(L)P-4	85/72	51,800	0.63	2.81	47,800	0.66	3.27	44,800	0.68	3.64	41,000	0.70	3.89	37,100	0.72	3.88
	80/67	48,900	0.70	2.80	44,500	0.73	3.24	40,000	0.76	3.57	36,500	0.80	3.81	30,800	0.85	3.76
	75/63	46,100	0.73	2.79	40,900	0.76	3.19	37,000	0.79	3.50	32,000	0.86	3.73	27,000	0.92	3.70
	75/57	42,500	1.00	2.74	38,600	1.00	3.17	35,600	1.00	3.50	31,500	1.00	3.72	27,400	1.00	3.68
RPGE13A48100(L)P-3 RPGE13A48125P-3	85/72	58,200	0.64	3.30	53,700	0.66	3.83	50,300	0.68	4.23	44,800	0.72	4.49	39,300	0.75	4.52
	80/67	54,900	0.70	3.27	51,500	0.71	3.79	46,000	0.76	4.18	41,500	0.80	4.39	33,300	0.86	4.39
	75/63	51,600	0.73	3.24	45,900	0.77	3.74	41,500	0.80	4.12	34,900	0.86	4.33	28,400	0.91	4.32
	75/57	47,800	1.00	3.20	43,900	1.00	3.71	40,900	1.00	4.10	35,300	1.00	4.31	29,600	1.00	4.30
RPGE13A60100(L)P-3 RPGE13A60125P-3	85/72	67,500	0.62	3.83	63,500	0.64	4.54	60,700	0.65	5.08	56,500	0.66	5.65	52,200	0.67	5.60
	80/67	63,600	0.68	3.80	59,800	0.71	4.45	56,000	0.72	5.06	54,300	0.74	5.62	47,000	0.77	5.58
	75/63	60,300	0.71	3.77	55,500	0.73	4.48	52,200	0.75	5.02	47,300	0.78	5.57	42,400	0.81	5.52
	75/57	53,400	1.00	3.73	49,200	1.00	4.43	46,200	1.00	4.97	42,100	1.00	5.54	38,300	1.00	5.49

Dimensions (in.)

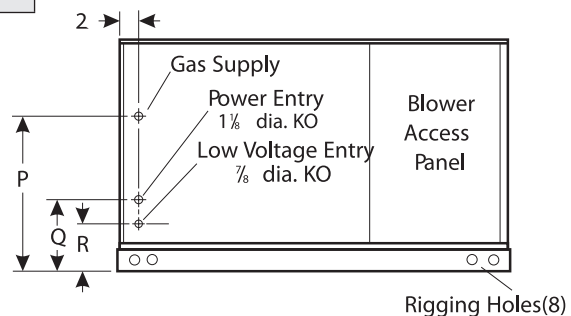
Model No.	A	B	C	D	E	F
RPGE13A24050(L)P-3 RPGE13A24075(L)P-3	32-1/2	46-1/2	46-1/2	45-5/8	45-5/8	17-1/2
RPGE13A30050(L)P-3 RPGE13A30075(L)P-3						
RPGE13A36075(L)P-3 RPGE13A36100P-3						
RPGE13A42075(L)P-4 RPGE13A42100(L)P-4	34-1/2	55-1/2	50-1/2	54-5/8	49-5/8	21-1/2
RPGE13A48100(L)P-3 RPGE13A48125P-3						
RPGE13A60100(L)P-3 RPGE13A60125P-3						

Model No.	G	H	J	K	L
RPGE13A24050(L)P-3 RPGE13A24075(L)P-3	11-1/2	5-1/2	1-5/8	4	4
RPGE13A30050(L)P-3 RPGE13A30075(L)P-3					
RPGE13A36075(L)P-3 RPGE13A36100P-3					
RPGE13A42075(L)P-4 RPGE13A42100(L)P-4	12	5-1/2	1-5/8	6-1/4	5-5/8
RPGE13A48100(L)P-3 RPGE13A48125P-3					
RPGE13A60100(L)P-3 RPGE13A60125P-3					

Model No.	M	N	P	Q	R
RPGE13A24050(L)P-3 RPGE13A24075(L)P-3	1-3/4	15-5/8	20-5/8	9-7/8	5-1/2
RPGE13A30050(L)P-3 RPGE13A30075(L)P-3					
RPGE13A36075(L)P-3 RPGE13A36100P-3					
RPGE13A42075(L)P-4 RPGE13A42100(L)P-4	2-3/8	17-1/8	20-5/8	10-1/4	6
RPGE13A48100(L)P-3 RPGE13A48125P-3					
RPGE13A60100(L)P-3 RPGE13A60125P-3					



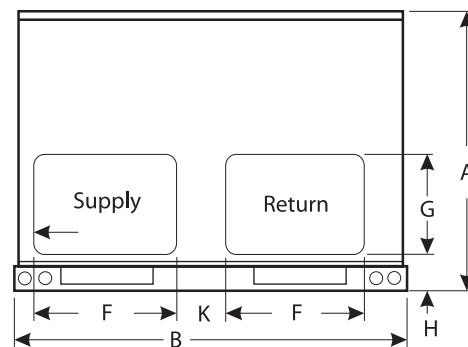
LEFT SIDE



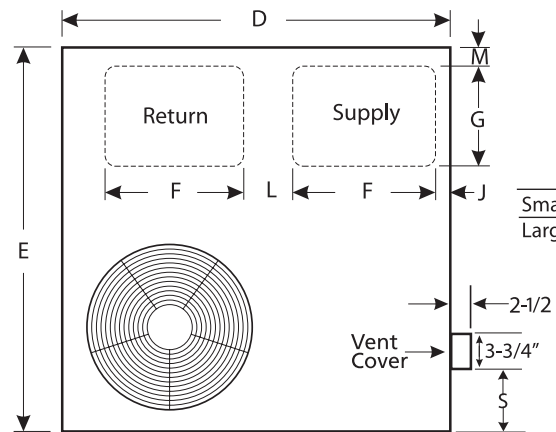
RIGHT SIDE

Minimum clearances to combustable material

ALL MODELS	Front	24"
	Left Side	12"
	Right Side	15"
	Back	2"
	Above	48"



REAR



TOP

	S
Small Base	4-1/8"
Large Base	5-1/4"

Sound Ratings

Model	Sound
	dBA
RPGE13A24050(L)P-3 RPGE13A24075(L)P-3	78
RPGE13A30050(L)P-3 RPGE13A30075(L)P-3	79
RPGE13A36075(L)P-3 RPGE13A36100P-3	78
RPGE13A42075(L)P-4 RPGE13A42100(L)P-4	80
RPGE13A48100(L)P-3 RPGE13A48125P-3	80
RPGE13A60100(L)P-3 RPGE13A60125P-3	80

Field Provided 1" Filter Dimensions

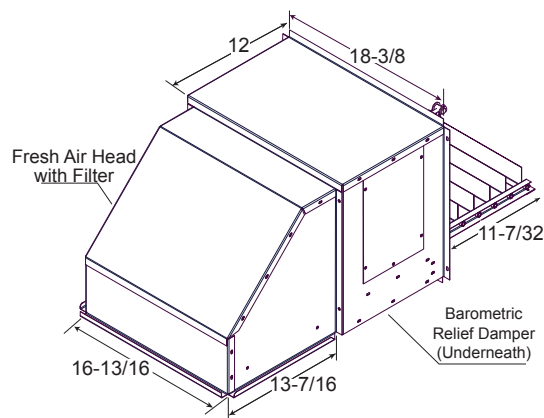
Small Base	2, 2.5, 3 Ton	24" width 28" height
Large Base	3.5, 4, 5 Ton	30" width 30" height

Accessories

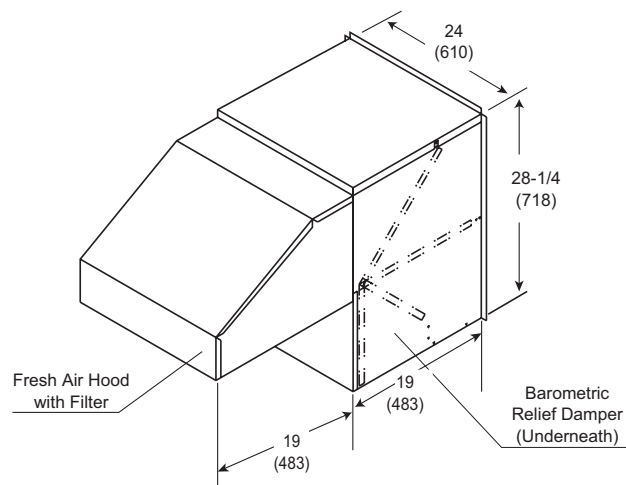
Description	Where Used	Catalog No.
Short Cycle Protector	All Units	47J27
LP GAS Conversion	All Units	ALPKT533-3
Roof Curbs	24, 30 & 36	ACURB160-1
Roof Curbs	42, 48 & 60	ACURB162-1
Manual Fresh Air Damper	24, 30 & 36	ADMPR145-1
Manual Fresh Air Damper	42, 48 & 60	ADMPR166-1
Motorized Fresh Air Damper	24, 30 & 36	ADMPR146-1
Motorized Fresh Air Damper	42, 48 & 60	ADMPR167-1
Downflow Economizer	24, 30 & 36	AECON825-1
Downflow Economizer	42, 48 & 60	AECON826-1
Horizontal Economizer	24, 30 & 36	AECON827-1
Horizontal Economizer	42, 48 & 60	AECON828-1

Accessories Dimensions inches (mm)**ECONOMIZER DAMPERS - DOWNFLOW**

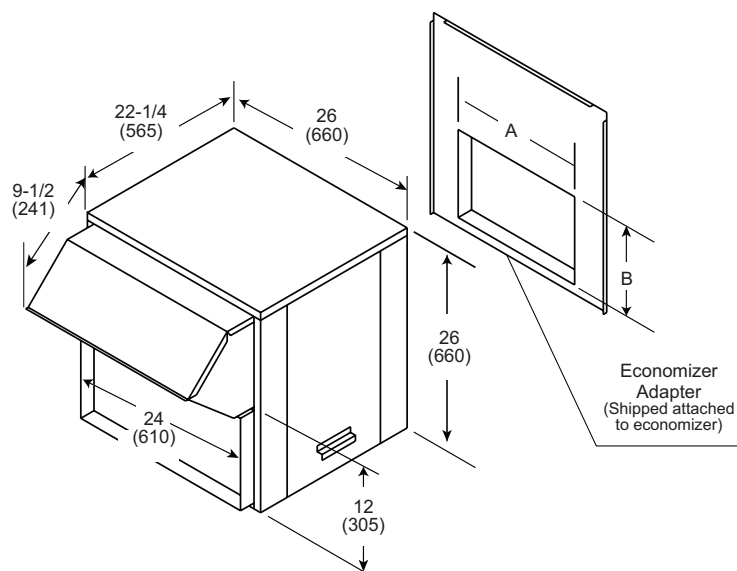
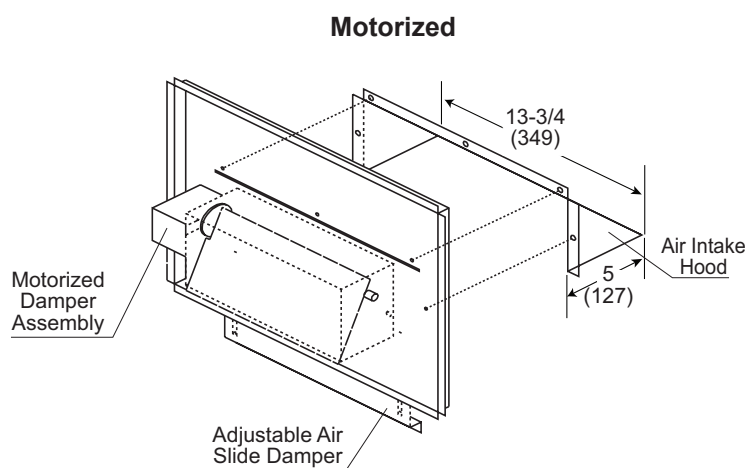
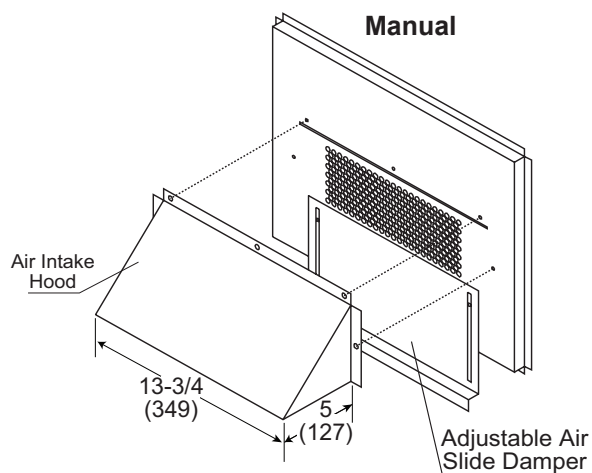
For 24, 30 and 36 Models



For 42, 48 and 60 Models

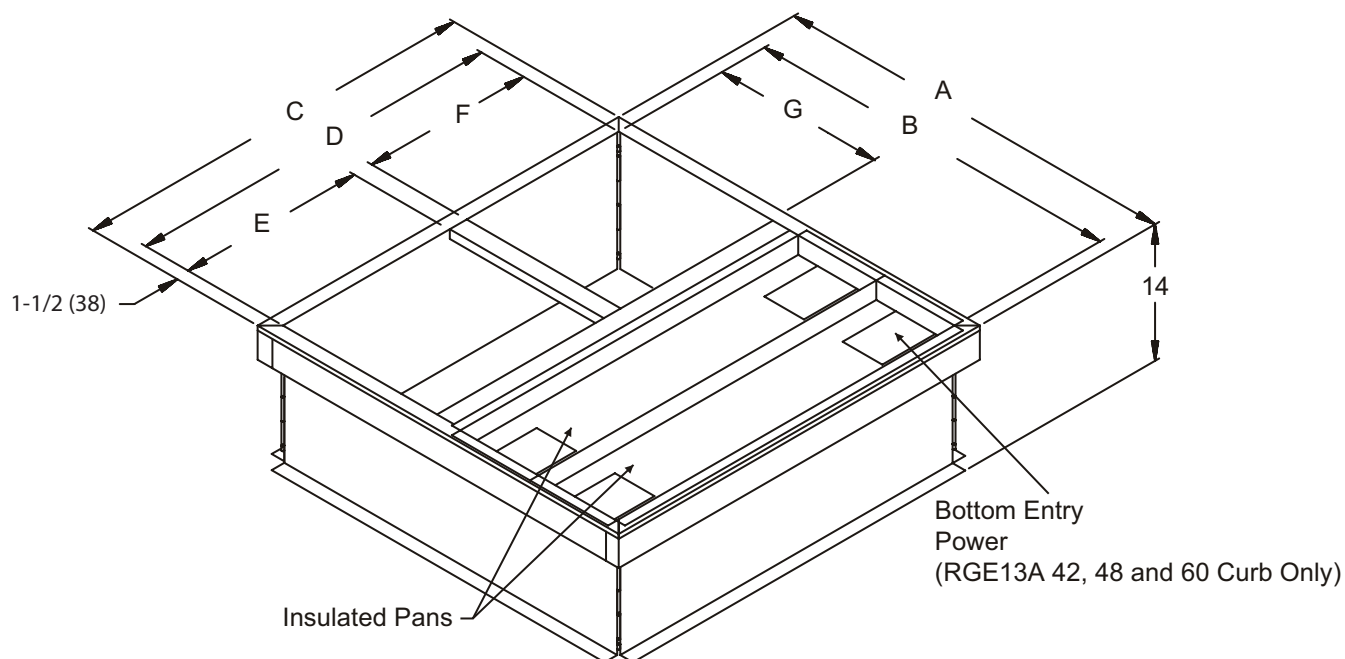
**ECONOMIZER DAMPERS - HORIZONTAL**

Model No.	A		B	
	in	mm	in	mm
RPGE13A24050(L)P-3	17-5/8	448	11-1/2	292
RPGE13A24075(L)P-3				
RPGE13A30050(L)P-3				
RPGE13A30075(L)P-3				
RPGE13A36075(L)P-3				
RPGE13A36100P-3				
RPGE13A42075(L)P-4	21-3/4	552	12-1/4	311
RPGE13A42100(L)P-4				
RPGE13A48100(L)P-3				
RPGE13A48125P-3				
RPGE13A60100(L)P-3				
RPGE13A60125P-3				

**FRESH AIR DAMPERS**

Accessories Dimensions inches (mm)

ROOF CURB



Model No.	A		B		C		D		E		F		G	
	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm
RPGE13A24050(L)P-3 RPGE13A24075(L)P-3 RPGE13A30050(L)P-3 RPGE13A30075(L)P-3 RPGE13A36075(L)P-3 RPGE13A36100P-3	43	1092	40	1016	43	1092	40	1016	18	457	20	508	19	483
RPGE13A42075(L)P-4 RPGE13A42100(L)P-4 RPGE13A48100(L)P-3 RPGE13A48125P-3 RPGE13A60100(L)P-3 RPGE13A60125P-3	47-1/8	1197	44-1/8	1121	52	1321	49	1245	23-1/2	597	23-1/2	597	19-1/2	495

AIREASE®

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All specifications and illustrations
subject to change without notice
and without incurring obligations.

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