

PRAC14

PRODUCT SPECIFICATIONS

14 SEER ELECTRIC/ELECTRIC
PACKAGED UNIT

FORM NO. PRAC14-100 (01/2017)

REFRIGERANT SYSTEM

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

CABINET CONSTRUCTION

- Rounded corners for safety and an attractive, clean appearance
- One piece base design for strength and stability
- Drain ports for condensate management and coil runoff
- Low profile, with compact footprint
- Insulation to minimize heat loss plus reduce sound
- Textured pre-painted steel cabinet finish
- Superior service access to components
- One piece “no leak” top design



BLOWER

- Insulated compartment to reduce sound
- Efficient multispeed motor for wide airflow range
- Slide out blower housing for easy service

INSTALLATION

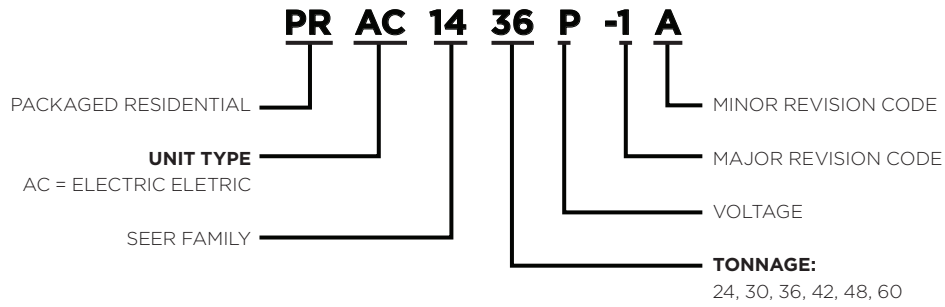
- Horizontal or down discharge capable
- Utility connections on “right side”
- Tabbed duct flanges for simple duct connections

WARRANTY

10 year limited parts and compressor warranty. See limited warranty document for details.



MODEL NUMBER GUIDE



ELECTRICAL AND PHYSICAL DATA

| Model | Voltage | Phase | Hz | Min Volts @ 60 hz | MCA | Max Fuse/HACR Breaker | Compressor | | Condenser Motor | | Blower Motor | | Refrig. Charge (oz.) | Weight (lbs.) |
|----------|---------|-------|----|-------------------|------|-----------------------|------------|-------|-----------------|-----|--------------|-----|----------------------|---------------|
| | | | | | | | RLA | LRA | RLA | HP | RLA | HP | | |
| PRAC1424 | 208-230 | 1 | 60 | 197 | 16.7 | 25 | 11.2 | 60.8 | 1.0 | 1/6 | 1.7 | 1/3 | 70 | 313 |
| PRAC1430 | | | | | 18.7 | 30 | 12.8 | 64 | | | | | 77 | 325 |
| PRAC1436 | | | | | 20.6 | 30 | 14.1 | 72.2 | | | | | 79 | 333 |
| PRAC1442 | | | | | 24.4 | 40 | 15.9 | 85 | 1.7 | 1/4 | 2.8 | 1/3 | 108 | 402 |
| PRAC1448 | | | | | 26.9 | 40 | 17.9 | 96 | | | | | 106 | 406 |
| PRAC1460 | | | | | 38.9 | 60 | 23.7 | 152.5 | | | | | 125 | 445 |

PERFORMANCE

| Model | Cooling | | | | | Sound dBA |
|----------|--------------------------|------|------|------------------------------|------|-----------|
| | Rated AHRI Capacity Btuh | SEER | EER | Rated Sensible Capacity Btuh | CFM | |
| PRAC1424 | 22,600 | 14.0 | 11.0 | 16,500 | 800 | 78 |
| PRAC1430 | 28,400 | | | 20,700 | 1000 | |
| PRAC1436 | 34,000 | | | 25,800 | 1200 | |
| PRAC1442 | 40,000 | | | 30,000 | 1400 | |
| PRAC1448 | 46,000 | | | 35,000 | 1600 | |
| PRAC1460 | 57,000 | | | 41,600 | 1800 | |

*Certified in accordance with Unitary Air Conditioner Certification Program, which is based on AHRI Standard 210/240

BLOWER PERFORMANCE

| MODEL | BLOWER TAP | 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 |
| PRAC1424 PRAC1430 | 2 | 1350 | 1310 | 1270 | 1210 | 1140 | 1080 | 1020 | 950 |
| | 3 | 1110 | 1080 | 1050 | 1000 | 970 | 920 | 870 | 800 |
| | 4 | 970 | 950 | 920 | 890 | 850 | 820 | 770 | 710 |
| | 5 | 840 | 820 | 800 | 770 | 750 | 720 | 680 | 620 |
| PRAC1436 | 2 | 1460 | 1380 | 1280 | 1190 | 1100 | 990 | 880 | 760 |
| | 3 | 1350 | 1280 | 1200 | 1130 | 1060 | 950 | 870 | 750 |
| | 4 | 1080 | 1030 | 960 | 900 | 830 | 750 | 700 | 650 |
| PRAC1442 | 2 | 1790 | 1740 | 1670 | 1590 | 1510 | 1410 | 1310 | 1210 |
| | 3 | 1500 | 1470 | 1430 | 1370 | 1310 | 1240 | 1140 | 1010 |
| | 4 | 1070 | 1050 | 1010 | 980 | 920 | 870 | 820 | 690 |
| PRAC1448 | 2 | 1970 | 1890 | 1790 | 1690 | 1600 | 1510 | 1400 | 1280 |
| | 3 | 1730 | 1690 | 1600 | 1540 | 1450 | 1360 | 1270 | 1150 |
| | 4 | 1520 | 1480 | 1430 | 1370 | 1310 | 1230 | 1140 | 1050 |
| PRAC1460* | 1 | 2240 | 2200 | 2140 | 2100 | 2060 | 2020 | 1980 | 1950 |
| | 2 | 1920 | 1870 | 1820 | 1770 | 1720 | 1670 | 1450 | 1360 |
| | 3 | 1400 | 1320 | 1260 | 1200 | 1120 | 1060 | 980 | 900 |

* TAPs 4 & 5 are for Electric HEat. Refer to rating plate for proper speed selection.

COOLING PERFORMANCE - EXTENDED RATINGS

| Outdoor Model | Indoor Temp DB/ WB °F | Outdoor Temperature - 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 |
| PRAC1424 | 85/72 | 31,700 | 0.62 | 1.45 | 29,100 | 0.63 | 1.73 | 27,100 | 0.64 | 1.95 | 25,000 | 0.71 | 2.13 | 22,900 | 0.78 | 2.31 |
| | 80/67 | 28,600 | 0.68 | 1.45 | 25,700 | 0.71 | 1.72 | 23,600 | 0.73 | 1.98 | 22,200 | 0.78 | 2.15 | 20,900 | 0.84 | 2.33 |
| | 75/63 | 26,100 | 0.70 | 1.46 | 24,000 | 0.72 | 1.75 | 22,300 | 0.75 | 1.96 | 20,800 | 0.81 | 2.15 | 19,400 | 0.87 | 2.34 |
| | 75/57 | 22,400 | 1.00 | 1.46 | 20,800 | 1.00 | 1.75 | 19,600 | 1.00 | 1.98 | 19,100 | 1.00 | 2.16 | 18,700 | 1.00 | 2.35 |
| PRAC1430 | 85/72 | 36,800 | 0.64 | 1.80 | 34,200 | 0.65 | 2.11 | 32,200 | 0.66 | 2.35 | 29,800 | 0.72 | 2.61 | 27,300 | 0.77 | 2.87 |
| | 80/67 | 33,100 | 0.72 | 1.78 | 31,400 | 0.72 | 2.07 | 28,900 | 0.73 | 2.34 | 26,900 | 0.78 | 2.60 | 24,800 | 0.84 | 2.87 |
| | 75/63 | 30,000 | 0.76 | 1.78 | 28,200 | 0.75 | 2.09 | 26,800 | 0.75 | 2.34 | 25,100 | 0.81 | 2.61 | 23,300 | 0.88 | 2.88 |
| | 75/57 | 27,500 | 1.00 | 1.79 | 25,000 | 1.00 | 2.11 | 23,200 | 1.00 | 2.35 | 22,900 | 1.00 | 2.61 | 22,600 | 1.00 | 2.87 |
| PRAC1436 | 85/72 | 45,000 | 0.68 | 2.20 | 41,300 | 0.67 | 2.58 | 38,400 | 0.67 | 2.87 | 36,100 | 0.71 | 3.19 | 33,700 | 0.76 | 3.50 |
| | 80/67 | 41,200 | 0.73 | 2.20 | 37,400 | 0.73 | 2.53 | 34,500 | 0.76 | 2.86 | 32,800 | 0.79 | 3.18 | 31,100 | 0.82 | 3.50 |
| | 75/63 | 38,500 | 0.75 | 2.19 | 35,300 | 0.78 | 2.58 | 32,900 | 0.80 | 2.87 | 31,000 | 0.83 | 3.18 | 29,100 | 0.85 | 3.49 |
| | 75/57 | 35,500 | 1.00 | 2.19 | 33,000 | 1.00 | 2.57 | 31,000 | 1.00 | 2.87 | 29,500 | 1.00 | 3.18 | 27,900 | 1.00 | 3.49 |
| PRAC1442 | 85/72 | 53,600 | 0.63 | 2.66 | 50,200 | 0.65 | 3.14 | 47,600 | 0.67 | 3.51 | 43,600 | 0.73 | 3.84 | 39,500 | 0.79 | 4.18 |
| | 80/67 | 50,200 | 0.69 | 2.65 | 46,000 | 0.73 | 3.08 | 42,700 | 0.75 | 3.50 | 39,500 | 0.81 | 3.84 | 36,300 | 0.87 | 4.19 |
| | 75/63 | 47,200 | 0.73 | 2.64 | 42,800 | 0.76 | 3.10 | 39,500 | 0.79 | 3.45 | 36,600 | 0.84 | 3.82 | 33,800 | 0.89 | 4.20 |
| | 75/57 | 42,800 | 1.00 | 2.63 | 38,500 | 1.00 | 3.09 | 35,300 | 1.00 | 3.44 | 34,000 | 1.00 | 3.82 | 32,700 | 1.00 | 4.20 |
| PRAC1448 | 85/72 | 64,900 | 0.63 | 3.15 | 58,200 | 0.66 | 3.63 | 53,100 | 0.69 | 3.99 | 48,600 | 0.74 | 4.38 | 44,100 | 0.78 | 4.76 |
| | 80/67 | 59,200 | 0.71 | 3.04 | 52,300 | 0.73 | 3.52 | 47,500 | 0.76 | 3.97 | 44,100 | 0.81 | 4.36 | 40,800 | 0.87 | 4.76 |
| | 75/63 | 53,200 | 0.74 | 3.02 | 47,400 | 0.78 | 3.51 | 42,900 | 0.81 | 3.89 | 40,500 | 0.85 | 4.32 | 38,000 | 0.89 | 4.75 |
| | 75/57 | 46,500 | 1.00 | 2.99 | 42,100 | 1.00 | 3.49 | 38,700 | 1.00 | 3.87 | 37,800 | 1.00 | 4.31 | 36,800 | 1.00 | 4.75 |
| PRAC1460 | 85/72 | 70,300 | 0.63 | 3.50 | 66,100 | 0.64 | 4.19 | 62,800 | 0.65 | 4.72 | 59,100 | 0.70 | 5.27 | 55,500 | 0.76 | 5.82 |
| | 80/67 | 65,700 | 0.69 | 3.47 | 61,000 | 0.71 | 4.08 | 57,400 | 0.73 | 4.69 | 54,300 | 0.78 | 5.24 | 51,200 | 0.83 | 5.78 |
| | 75/63 | 61,400 | 0.72 | 3.45 | 56,300 | 0.74 | 4.12 | 52,300 | 0.76 | 4.63 | 50,200 | 0.80 | 5.19 | 48,000 | 0.85 | 5.75 |
| | 75/57 | 54,500 | 1.00 | 3.42 | 50,100 | 1.00 | 4.09 | 46,700 | 1.00 | 4.61 | 46,300 | 1.00 | 5.17 | 45,900 | 1.00 | 5.73 |

HEAT STRIP ELECTRICAL

| MODEL NO. | HEATER MODEL | Unit Supply Voltage Single Phase | Heater kW | "Min. Circuit Ampacity 1" | "Max. Fuse / HACR Brkr. 1" | "Min. Circuit Ampacity 2" | "Max. Fuse / HACR Brkr. 2" | "Min. Circuit Ampacity Single Point" | "Max. Fuse / HACR Brkr. Single Point" | |
|-----------|--------------|----------------------------------|-----------|---------------------------|----------------------------|---------------------------|----------------------------|--------------------------------------|---------------------------------------|----|
| PRAC1424 | PHK05BP-1 | 240 | 5 | 27.7 | 30 | - | - | 27.7 | 30 | |
| | | 208 | 3.8 | 24.3 | 25 | - | - | 24.3 | 25 | |
| | PHK07BP-1 | 240 | 7.5 | 40.8 | 45 | - | - | 40.8 | 45 | |
| | | 208 | 5.6 | 35.6 | 40 | - | - | 35.6 | 40 | |
| | PHK10BP-1 | 240 | 10 | 53.8 | 55 | - | - | 53.8 | 55 | |
| | | 208 | 7.5 | 46.8 | 50 | - | - | 46.8 | 50 | |
| PRAC1430 | PHK05BP-1 | 240 | 5 | 27.7 | 30 | - | - | 27.7 | 30 | |
| | | 208 | 3.8 | 24.3 | 25 | - | - | 24.3 | 30 | |
| | PHK07BP-1 | 240 | 7.5 | 40.8 | 45 | - | - | 40.8 | 45 | |
| | | 208 | 5.6 | 35.6 | 40 | - | - | 35.6 | 40 | |
| | PHK10BP-1 | 240 | 10 | 53.8 | 55 | - | - | 53.8 | 55 | |
| | | 208 | 7.5 | 46.8 | 50 | - | - | 46.8 | 50 | |
| | PHK15CP-1 | 240 | 15 | 53.8 | 55 | 26 | 30 | 79.8 | 80 | |
| | | 208 | 11.3 | 46.8 | 50 | 22.6 | 25 | 69.4 | 70 | |
| | PRAC1436 | PHK05BP-1 | 240 | 5 | 28 | 30 | - | - | 28 | 30 |
| | | | 208 | 3.8 | 24.6 | 25 | - | - | 24.6 | 30 |
| PHK07BP-1 | | 240 | 7.5 | 41.1 | 45 | - | - | 41.1 | 45 | |
| | | 208 | 5.6 | 35.9 | 40 | - | - | 35.9 | 40 | |
| PHK10BP-1 | | 240 | 10 | 54.1 | 55 | - | - | 54.1 | 55 | |
| | | 208 | 7.5 | 47.1 | 50 | - | - | 47.1 | 50 | |
| PHK15CP-1 | | 240 | 15 | 54.1 | 55 | 26 | 30 | 80.1 | 90 | |
| | | 208 | 11.3 | 47.1 | 50 | 22.6 | 25 | 69.7 | 70 | |
| PRAC1442 | PHK05BP-1 | 240 | 5 | 28.8 | 30 | - | - | 28.8 | 40 | |
| | | 208 | 3.8 | 25.4 | 30 | - | - | 25.4 | 40 | |
| | PHK07BP-1 | 240 | 7.5 | 41.9 | 45 | - | - | 41.9 | 45 | |
| | | 208 | 5.6 | 36.7 | 40 | - | - | 36.7 | 40 | |
| | PHK10BP-1 | 240 | 10 | 54.9 | 55 | - | - | 54.9 | 55 | |
| | | 208 | 7.5 | 47.9 | 50 | - | - | 47.9 | 50 | |
| | PHK15CP-1 | 240 | 15 | 54.9 | 55 | 26 | 30 | 80.9 | 90 | |
| | | 208 | 11.3 | 47.9 | 50 | 22.6 | 25 | 70.5 | 80 | |
| | PHK20CP-1 | 240 | 20 | 54.9 | 55 | 52.1 | 60 | 107 | 110 | |
| | | 208 | 15 | 47.9 | 50 | 45.1 | 50 | 93 | 100 | |
| PRAC1448 | PHK05BP-1 | 240 | 5 | 28.8 | 30 | - | - | 28.8 | 40 | |
| | | 208 | 3.8 | 25.4 | 30 | - | - | 26.9 | 40 | |
| | PHK07BP-1 | 240 | 7.5 | 41.9 | 45 | - | - | 41.9 | 45 | |
| | | 208 | 5.6 | 36.7 | 40 | - | - | 36.7 | 40 | |
| | PHK10BP-1 | 240 | 10 | 54.9 | 55 | - | - | 54.9 | 55 | |
| | | 208 | 7.5 | 47.9 | 50 | - | - | 47.9 | 50 | |
| | PHK15CP-1 | 240 | 15 | 54.9 | 55 | 26 | 30 | 80.9 | 90 | |
| | | 208 | 11.3 | 47.9 | 50 | 22.6 | 25 | 70.5 | 80 | |
| | PHK20CP-1 | 240 | 20 | 54.9 | 55 | 52.1 | 60 | 107 | 110 | |
| | | 208 | 15 | 47.9 | 50 | 45.1 | 50 | 93 | 100 | |

| MODEL NO. | HEATER MODEL | Unit Supply Voltage Single Phase | Heater kW | "Min. Circuit Ampacity 1" | "Max. Fuse / HACR Brkr. 1" | "Min. Circuit Ampacity 2" | "Max. Fuse / HACR Brkr. 2" | "Min. Circuit Ampacity Single Point" | "Max. Fuse / HACR Brkr. Single Point" |
|-----------|--------------|----------------------------------|-----------|---------------------------|----------------------------|---------------------------|----------------------------|--------------------------------------|---------------------------------------|
| PRAC1460 | PHK05BP-1 | 240 | 5 | 33.6 | 35 | - | - | 38.9 | 60 |
| | | 208 | 3.8 | 30.2 | 35 | - | - | 38.9 | 60 |
| | PHK07BP-1 | 240 | 7.5 | 46.7 | 50 | - | - | 46.7 | 60 |
| | | 208 | 5.6 | 41.5 | 45 | - | - | 41.5 | 60 |
| | PHK10BP-1 | 240 | 10 | 59.7 | 60 | - | - | 59.7 | 60 |
| | | 208 | 7.5 | 52.7 | 55 | - | - | 52.7 | 60 |
| | PHK15CP-1 | 240 | 15 | 59.7 | 60 | 26 | 30 | 85.7 | 90 |
| | | 208 | 11.3 | 52.7 | 55 | 22.6 | 25 | 75.3 | 80 |
| | PHK20CP-1 | 240 | 20 | 59.7 | 60 | 52.1 | 60 | 111.8 | 125 |
| | | 208 | 15 | 52.7 | 55 | 45.1 | 50 | 97.8 | 100 |

ACCESSORIES

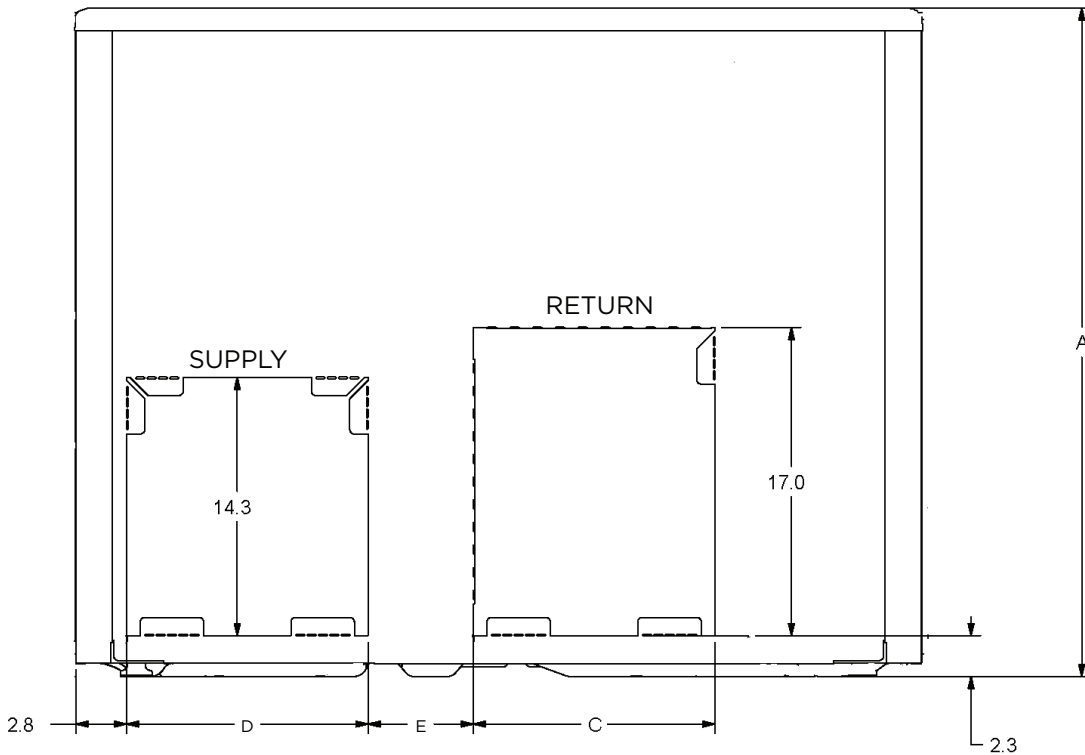
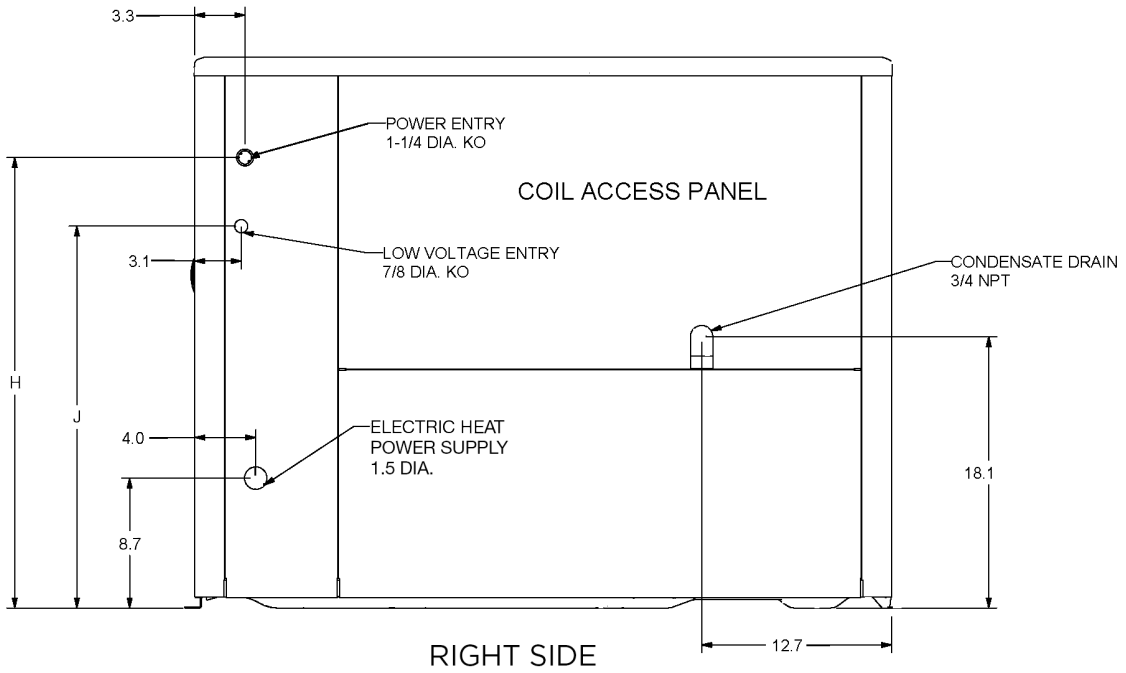
| Description | Where Used | Kit Number |
|---|----------------|------------|
| Compressor Crankcase Heater | All | 11X27 |
| Compressor Hard Start Kit | 24, 30, 36,60 | 10J42 |
| Compressor Hard Start Kit | 42,48 | 88M91 |
| Compressor Timed-Off Control | All | 47J27 |
| Down Flow Conversion - ACONVR836 | 24, 30, 36 | 1.851401 |
| Down Flow Conversion - ACONVR837 | 42,48,60 | 1.851402 |
| Drain pan overflow switch | All | 11U75 |
| Electric Heater 5KW - PHK05BP | All | 10W47 |
| Electric Heater 7.5KW - PHK07BP | All | 10W48 |
| Electric Heater 10KW - PHK10BP | All | 10W49 |
| Electric Heater 15KW - PHK15CP | 30,36,42,48,60 | 10W50 |
| Electric Heater 20KW - PHK20CP | 42,48,60 | 10W51 |
| Filter Rack Kit | 24, 30, 36 | 11U73 |
| Filter Rack Kit | 42,48,60 | 11U74 |
| Lifting Brackets | All | 11U76 |
| Roof Curb | 24, 30, 36 | 11U78 |
| Roof Curb | 42,48,60 | 11U79 |
| Sideflow Rect. to 14" Rounds Duct Adapter (Qty 25 sets) | 24, 30, 36 | R104617-01 |
| | 42, 48, 60 | R104618-01 |
| 8" Height Full Perimeter Curb | 24, 30, 36 | 14W71 |
| 8" Height Full Perimeter Curb | 42, 48, 60 | 14W72 |
| 14" Height Full Perimeter Curb | 24, 30, 36 | 14V68 |
| 14" Height Full Perimeter Curb | 42, 48, 60 | 14V69 |

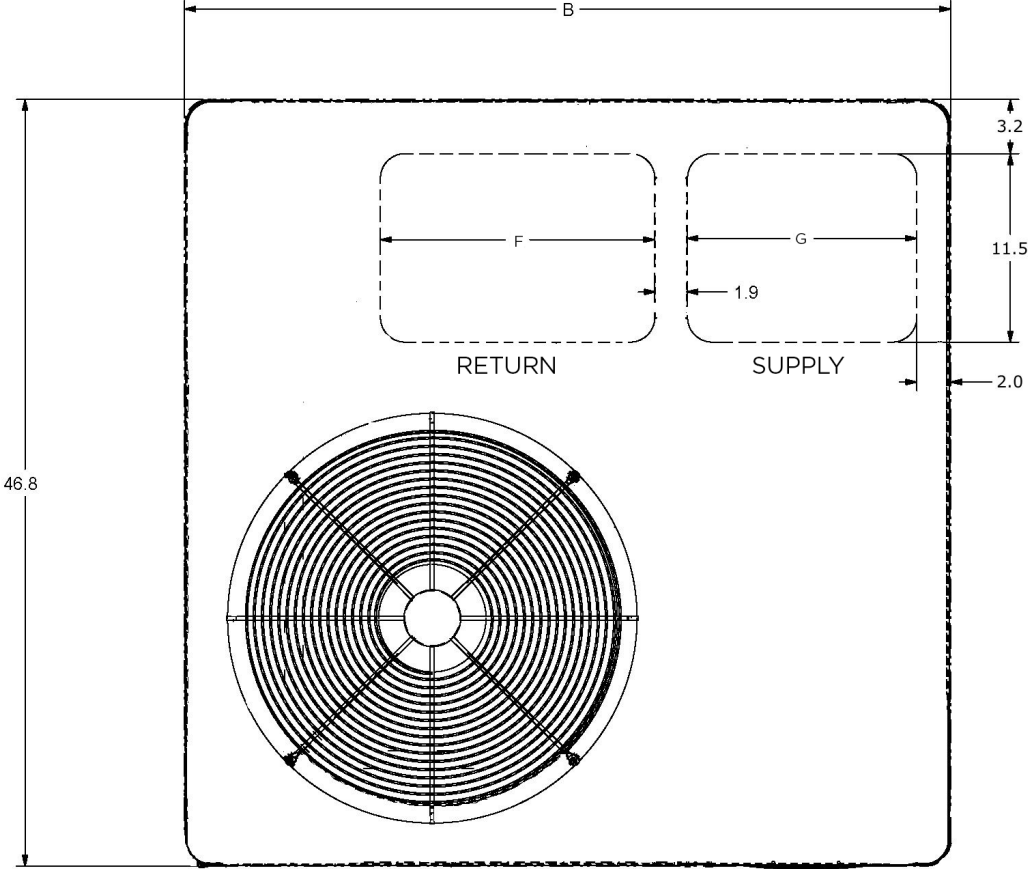
Single Point Power

| | | |
|---------------------|----------------|-------|
| 5 KW ASPWR813-1 | All | 13W88 |
| 7.5 KW ASPWR814-1 | All | 13W89 |
| 10 KW ASPWR815-1 | All | 13W90 |
| 15-20 KW ASPWR816-1 | 30,36,42,48,60 | 13W91 |

DIMENSIONS (IN.)

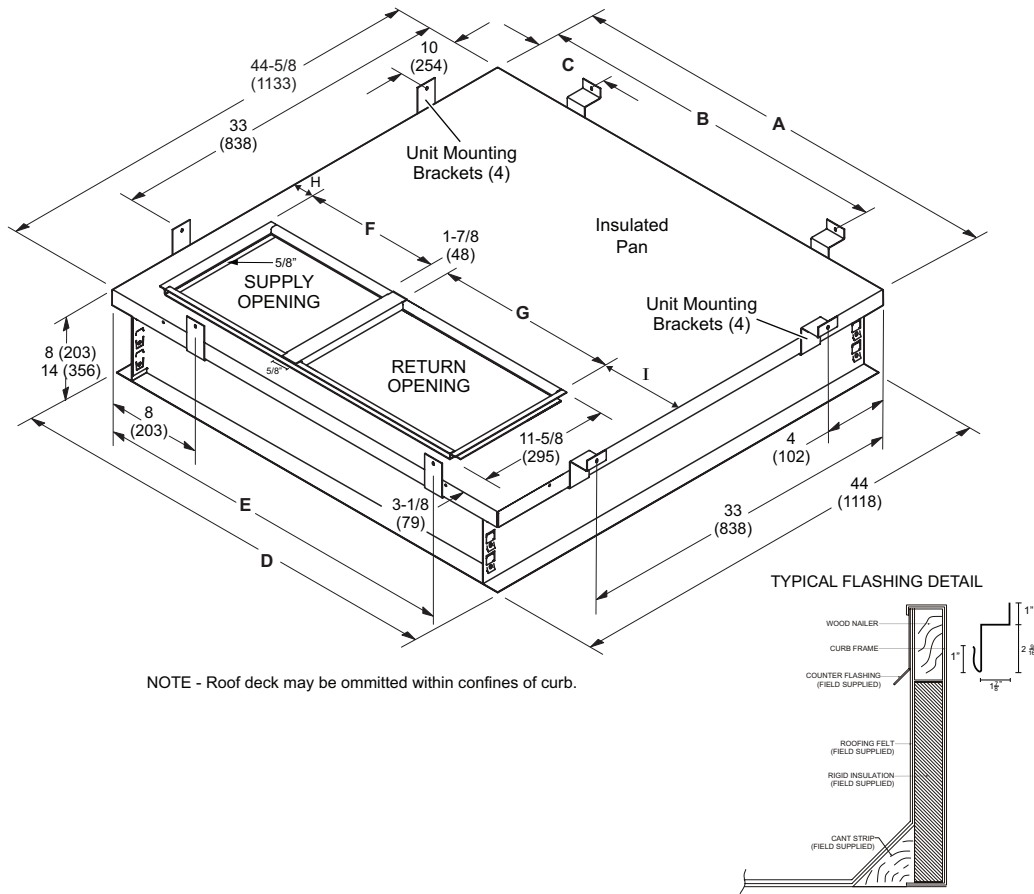
| Model | A | B | C | D | E | F | G | H | J |
|----------|-------|-------|-------|-------|------|-------|------|-------|-------|
| PRAC1424 | 36.82 | 46.77 | 13.33 | 13.31 | 5.86 | 16.75 | 14 | 30.13 | 25.54 |
| PRAC1430 | | | | | | | | | |
| PRAC1436 | | | | | | | | | |
| PRAC1442 | 40.88 | 55.27 | 18.14 | 18.14 | 4.67 | 19.75 | 19.5 | 34.13 | 29.54 |
| PRAC1448 | | | | | | | | | |
| PRAC1460 | | | | | | | | | |





TOP - WITH BOTTOM DUCT SHOWN

ROOF CURB DIMENSIONS



NOTE - Roof deck may be omitted within confines of curb.

| Usage | A | | B | | C | | D | | E | |
|--------|--------|------|-------|------|-----|-----|--------|------|-----|------|
| | in. | mm | in. | mm | in. | mm | in. | mm | in. | mm |
| 24, 36 | 44-5/8 | 1133 | 43 | 1092 | 18 | 457 | 44 | 1118 | 37 | 940 |
| 48, 60 | 53-1/8 | 1349 | 51 | 1295 | 24 | 610 | 52-1/2 | 1334 | 41 | 1041 |
| Usage | F | | G | | H | | I | | | |
| | in. | mm | in. | mm | in. | mm | in. | mm | | |
| 24, 36 | 16.75 | 356 | 14.00 | 425 | 2 | 51 | 9-3/4 | 248 | | |
| 48, 60 | 19.75 | 495 | 19.50 | 502 | 2 | 51 | 10 | 254 | | |



1-800-448-5872

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