

## SPLIT SYSTEM AIR CONDITIONER - 90 to 118 MBtuh

### Meets Ashrae 90.1 Standards

#### REFRIGERATION CIRCUIT

- R-22 Refrigerant
- Single circuit Copeland SCROLL compressors.
- Copper tube / aluminum fin coil.
- High and Low pressure switches.
- Compressor overload protection.
- Crankcase heater for compressor protection in low ambient conditions.
- Anti-short cycle protection.



#### BUILT TO LAST

- Cabinets are constructed of prepainted galvanized steel.
- Copper tube-aluminum fin outdoor coil construction.
- PVC coated steel wire condenser fan guards.
- Heavy-gauge base rail with forklift slots and lifting holes.

#### EASY TO INSTALL AND SERVICE

- Easy Access service valves on all models.
- Liquid line and suction line service valves.
- Low voltage control wire terminal block.

#### WARRANTY

- 5 year compressor limited warranty.
- 1 year parts limited warranty.



### UNIT PERFORMANCE DATA

| Model Number | Voltage/Phase/Hz | COOLING               |       | Evaporator Rated Airflow | Unit Dimensions<br>H x W x L | Ship Weight |
|--------------|------------------|-----------------------|-------|--------------------------|------------------------------|-------------|
|              |                  | Nominal Capacity BTUH | E.E.R |                          |                              |             |
| CAE091HA     | 208/230-3-60     | 90,000 <sup>1</sup>   | 10.6  | 3000                     | 34-3/8" x 59-7/16" x 45-3/4" | 390         |
| CAE091LA     | 460-3-60         | 90,000 <sup>1</sup>   | 10.6  | 3000                     | 34-3/8" x 59-7/16" x 45-3/4" | 390         |
| CAE091SA     | 575-3-60         | 90,000 <sup>1</sup>   | 10.6  | 3000                     | 34-3/8" x 59-7/16" x 45-3/4" | 390         |
| CAE120HA     | 208/230-3-60     | 118,000 <sup>2</sup>  | 10.3  | 4000                     | 34-3/8" x 59-7/16" x 45-3/4" | 430         |
| CAE120LA     | 460-3-60         | 118,000 <sup>2</sup>  | 10.3  | 4000                     | 34-3/8" x 59-7/16" x 45-3/4" | 430         |
| CAE120SA     | 575-3-60         | 118,000 <sup>2</sup>  | 10.3  | 4000                     | 34-3/8" x 59-7/16" x 45-3/4" | 430         |

1 - Matched with BAC / ABC090 Air Handler

2 - Matched with BAC / ABC120 Air Handler

|                                                                           | UNIT SPECIFICATIONS                      |                |                |                     |                |                |
|---------------------------------------------------------------------------|------------------------------------------|----------------|----------------|---------------------|----------------|----------------|
| Electrical                                                                | CAE091HA                                 | CAE091LA       | CAE091SA       | CAE120HA            | CAE120LA       | CAE120SA       |
| Volts / Phase / Hertz                                                     | 208-230/3/60                             | 460/3/60       | 575/3/60       | 208-230/3/60        | 460/3/60       | 575/3/60       |
| Voltage Min - Max                                                         | 187-254                                  | 418-506        | 523-632        | 187-254             | 418-506        | 523-632        |
| Total Unit Amps at Rated Load Amps                                        | 27.6                                     | 13.8           | 11.1           | 40.8                | 18.6           | 14.8           |
| MCA                                                                       | 35.0                                     | 17.4           | 13.8           | 50.3                | 22.9           | 17.8           |
| MOCP                                                                      | 60                                       | 30             | 20             | 60                  | 30             | 25             |
| Compressor                                                                |                                          |                |                |                     |                |                |
| RLA                                                                       | 25.6                                     | 12.8           | 10.2           | 37.8                | 17.2           | 13.4           |
| LRA                                                                       | 190                                      | 95             | 76             | 239                 | 125            | 80             |
| Scroll Model                                                              | SR_94                                    | SR_94          | SR_94          | ZR125               | ZR125          | ZR125          |
| Oil Charge                                                                | 90 oz.                                   | 90 oz.         | 90 oz.         | 110 oz.             | 110 oz.        | 110 oz.        |
| Condenser Fan Data                                                        |                                          |                |                |                     |                |                |
| Quantity                                                                  | 2                                        | 2              | 2              | 2                   | 2              | 2              |
| Volts/Phase/Hertz                                                         | 208-230/1/60                             | 460/1/60       | 575/1/60       | 208-230/1/60        | 460/1/60       | 575/1/60       |
| FLA (each)                                                                | 1.5                                      | 0.7            | 0.7            | 1.5                 | 0.7            | 0.7            |
| LRA (each)                                                                | 3.1                                      | 1.9            | 1.9            | 3.1                 | 1.9            | 1.9            |
| Blades/Diameter/Pitch                                                     | 22                                       | 22             | 22             | 22                  | 22             | 22             |
| Hp - Rpm - Speeds                                                         | 1/4 / 1100 / 1                           | 1/4 / 1100 / 1 | 1/4 / 1100 / 1 | 1/4 / 1100 / 1      | 1/4 / 1100 / 1 | 1/4 / 1100 / 1 |
| Bearing Type                                                              | Sleeve                                   | Sleeve         | Sleeve         | Sleeve              | Sleeve         | Sleeve         |
| Rotation (Shaft End)                                                      | CW                                       | CW             | CW             | CW                  | CW             | CW             |
| CFM Total                                                                 | 6500                                     | 6500           | 6500           | 6500                | 6500           | 6500           |
| Condenser Coil                                                            |                                          |                |                |                     |                |                |
| Rows / Fins per Inch (each)                                               | 2...17                                   | 2...17         | 2...17         | 2...17              | 2...17         | 2...17         |
| Total Face Area-Sq. ft. (each)                                            | 29.2                                     | 29.2           | 29.2           | 29.2                | 29.2           | 29.2           |
| Tube Diameter (each)                                                      | 3/8"                                     | 3/8"           | 3/8"           | 3/8"                | 3/8"           | 3/8"           |
| Refrigerant                                                               |                                          |                |                |                     |                |                |
| Type                                                                      | R-22                                     | R-22           | R-22           | R-22                | R-22           | R-22           |
| Ounces                                                                    | Units Shipped with 32 oz. Holding Charge |                |                |                     |                |                |
| Approximate Operating Charge Based on BAC/ABC Air Handler & 25' of Piping | 20 lb.                                   |                |                | 22 lb.              |                |                |
| Line Size Liquid I.D. (in.)                                               | 3/8                                      | 3/8            | 3/8            | 1/2                 | 1/2            | 1/2            |
| Line Size Suction I.D. (in.)                                              | 1-1/8                                    | 1-1/8          | 1-1/8          | 1-3/8               | 1-3/8          | 1-3/8          |
| Controls                                                                  |                                          |                |                |                     |                |                |
| High Press. Switch Auto Reset - Open/Close psi                            | 428-320                                  | 428-320        | 428-320        | 428-320             | 428-320        | 428-320        |
| Low Press. Switch Auto Reset - Open/Close psi                             | 27 - 44                                  | 27 - 44        | 27 - 44        | 27 - 44             | 27 - 44        | 27 - 44        |
| Pressure Relief - Location / Temp. ( F )                                  | Suction Line / 200°                      |                |                | Suction Line / 200° |                |                |
| Misc.                                                                     |                                          |                |                |                     |                |                |
| Operating Weight (lbs)                                                    | 383                                      | 383            | 383            | 430                 | 430            | 430            |

| PERFORMANCE DATA COOLING            |                                      |      |                          |
|-------------------------------------|--------------------------------------|------|--------------------------|
| Standard Outdoor Unit / Indoor Unit | Rated Net Capacity Btuh <sup>1</sup> | EER  | Evaporator Rated Airflow |
| CAE091 / BAC/ABC090                 | 90,000                               | 10.6 | 3000                     |
| CAE120 / BAC/ABC120                 | 118,000                              | 10.3 | 4000                     |

<sup>1</sup> Net Capacity Ratings based on ARI Test Standards, 95° F Amb. 80° F DB / 67° F WB.

| SOUND LEVELS, dB |                            |              |      |      |      |      |      |      |      |
|------------------|----------------------------|--------------|------|------|------|------|------|------|------|
| Unit             | Sound Rating (60Hz) db (A) | Octave Bands |      |      |      |      |      |      |      |
| CAE091           | 84.0                       | 63           | 125  | 250  | 500  | 1000 | 2000 | 4000 | 8000 |
|                  |                            | 84.1         | 84.5 | 80.4 | 78.6 | 77.2 | 76.9 | 78.8 | 72.5 |
| CAE120           | 85.0                       | 88.7         | 85.4 | 81.7 | 80.9 | 82.1 | 76.2 | 73.6 | 67.1 |

| LEGEND |                                  | * Units are suitable for use on electrical systems where voltage supplied to the unit terminals is not below or above the listed limits.<br>NOTES:<br>1. The MCA and MOCP values are calculated in accordance with NEC, Article 440.<br>2. Motor RLA and LRA values are established in accordance with Underwriters Laboratories (UL), Standard 1995.<br>3. The 575-v units are UL, Canada-listed only. |
|--------|----------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| FLA    | - Full Load Amps                 |                                                                                                                                                                                                                                                                                                                                                                                                         |
| LRA    | - Locked Rotor Amps              |                                                                                                                                                                                                                                                                                                                                                                                                         |
| MCA    | - Minimum Circuit Amps           |                                                                                                                                                                                                                                                                                                                                                                                                         |
| MOCP   | - Maximum Overcurrent Protection |                                                                                                                                                                                                                                                                                                                                                                                                         |
| NEC    | - National Electrical Code       |                                                                                                                                                                                                                                                                                                                                                                                                         |
| RLA    | - Rated Load Amps                |                                                                                                                                                                                                                                                                                                                                                                                                         |

**EXPANDED PERFORMANCE DATA (COOLING) CAE091 WITH BAC / ABC090 (Gross Capacity)**

| Temp (F)<br>Air Entering<br>Condenser<br>(Edb) |     | Evaporator Air - Cfm     |      |      |       |      |      |      |       |      |      |      |       |
|------------------------------------------------|-----|--------------------------|------|------|-------|------|------|------|-------|------|------|------|-------|
|                                                |     | 2205                     |      |      |       | 3000 |      |      |       | 3750 |      |      |       |
|                                                |     | Evaporator Air - Ewb (F) |      |      |       |      |      |      |       |      |      |      |       |
|                                                |     | 57                       | 62   | 67   | 72    | 57   | 62   | 67   | 72    | 57   | 62   | 67   | 72    |
| 80                                             | TC  | 81.7                     | 85.9 | 93.2 | 101.0 | 89.0 | 90.8 | 97.5 | 105.0 | 91.6 | 92.6 | 98.8 | 106.0 |
|                                                | SHC | 81.7                     | 74.2 | 62.4 | 50.2  | 89.0 | 85.2 | 70.9 | 55.4  | 91.6 | 89.4 | 74.7 | 57.7  |
|                                                | kW  | 5.83                     | 5.88 | 5.97 | 60.7  | 5.92 | 5.94 | 6.02 | 6.12  | 5.95 | 5.96 | 6.04 | 6.14  |
| 85                                             | TC  | 80.6                     | 84.5 | 91.6 | 99.2  | 87.7 | 89.3 | 95.8 | 103.0 | 90.2 | 91.1 | 97.1 | 105.0 |
|                                                | SHC | 80.6                     | 73.5 | 61.7 | 49.6  | 87.7 | 84.5 | 70.2 | 54.8  | 90.2 | 88.4 | 74.1 | 57.1  |
|                                                | kW  | 6.19                     | 6.23 | 6.33 | 6.43  | 6.28 | 6.30 | 6.39 | 6.49  | 6.31 | 6.32 | 6.40 | 6.51  |
| 95                                             | TC  | 78.3                     | 81.7 | 88.5 | 95.9  | 85.2 | 86.3 | 92.5 | 99.9  | 87.6 | 88.2 | 93.8 | 101.0 |
|                                                | SHC | 78.3                     | 72.1 | 60.4 | 48.4  | 85.2 | 82.9 | 69.0 | 53.6  | 87.6 | 86.4 | 72.8 | 55.9  |
|                                                | kW  | 6.90                     | 6.95 | 7.05 | 7.17  | 7.00 | 7.02 | 7.11 | 7.23  | 7.04 | 7.05 | 7.13 | 7.25  |
| 100                                            | TC  | 77.0                     | 80.1 | 86.9 | 94.2  | 83.7 | 84.7 | 90.7 | 98.0  | 86.1 | 86.6 | 91.9 | 99.1  |
|                                                | SHC | 77.0                     | 71.3 | 59.8 | 47.7  | 83.7 | 81.9 | 68.3 | 52.9  | 86.1 | 85.2 | 72.1 | 55.2  |
|                                                | kW  | 7.30                     | 7.34 | 7.45 | 7.57  | 7.40 | 7.42 | 7.52 | 7.64  | 7.44 | 7.45 | 7.54 | 7.66  |
| 105                                            | TC  | 75.7                     | 78.6 | 85.2 | 92.4  | 82.3 | 83.0 | 88.9 | 96.1  | 84.6 | 85.0 | 90.1 | 97.2  |
|                                                | SHC | 75.7                     | 70.6 | 59.1 | 47.0  | 82.3 | 80.9 | 67.6 | 52.2  | 84.6 | 83.9 | 71.4 | 54.6  |
|                                                | kW  | 7.69                     | 7.74 | 7.86 | 7.98  | 7.80 | 7.82 | 7.92 | 8.05  | 7.84 | 7.85 | 7.94 | 8.07  |
| 115                                            | TC  | 73.2                     | 75.4 | 81.9 | 88.8  | 79.5 | 79.8 | 85.3 | 92.3  | 81.7 | 81.8 | 86.4 | 93.3  |
|                                                | SHC | 73.2                     | 69.0 | 57.7 | 45.7  | 79.5 | 79.0 | 56.1 | 50.9  | 81.7 | 81.4 | 70.0 | 53.2  |
|                                                | kW  | 8.48                     | 8.53 | 8.67 | 8.79  | 8.61 | 8.61 | 8.73 | 8.87  | 8.65 | 8.65 | 8.75 | 8.89  |

**CAE091 CONDENSER ONLY TABLE**

| SST (F) |     | AIR TEMPERATURE ENTERING CONDENSER (F) |       |       |       |       |       |
|---------|-----|----------------------------------------|-------|-------|-------|-------|-------|
|         |     | 80                                     | 85    | 95    | 100   | 105   | 115   |
| 25      | TC  | 73.9                                   | 71.7  | 67.0  | 64.6  | 62.1  | 57.0  |
|         | kW  | 5.81                                   | 6.14  | 6.84  | 7.21  | 7.58  | 8.36  |
|         | SDT | 98.6                                   | 104.0 | 114.0 | 118.0 | 123.0 | 133.0 |
| 30      | TC  | 82.0                                   | 79.7  | 74.9  | 72.4  | 69.9  | 64.7  |
|         | kW  | 5.88                                   | 6.21  | 6.90  | 7.28  | 7.65  | 8.46  |
|         | SDT | 99.6                                   | 104.0 | 114.0 | 119.0 | 124.0 | 134.0 |
| 35      | TC  | 90.4                                   | 88.0  | 83.0  | 80.4  | 77.8  | 72.4  |
|         | kW  | 5.98                                   | 6.31  | 7.02  | 7.40  | 7.78  | 8.59  |
|         | SDT | 101.0                                  | 103.0 | 115.0 | 120.0 | 125.0 | 135.0 |
| 40      | TC  | 99.2                                   | 96.7  | 91.4  | 88.7  | 85.9  | 80.3  |
|         | kW  | 6.09                                   | 6.43  | 7.14  | 7.53  | 7.82  | 8.74  |
|         | SDT | 103.0                                  | 107.0 | 117.0 | 122.0 | 126.0 | 136.0 |
| 45      | TC  | 109.0                                  | 106.0 | 100.0 | 97.4  | 94.5  | 88.6  |
|         | kW  | 6.22                                   | 6.56  | 7.28  | 7.68  | 8.07  | 8.92  |
|         | SDT | 104.0                                  | 109.0 | 119.0 | 123.0 | 128.0 | 138.0 |
| 50      | TC  | 118.0                                  | 116.0 | 110.0 | 107.0 | 104.0 | 97.2  |
|         | kW  | 6.36                                   | 6.70  | 7.43  | 7.83  | 8.23  | 9.09  |
|         | SDT | 106.0                                  | 111.0 | 120.0 | 125.0 | 130.0 | 139.0 |

**LEGEND**

TC - Gross Cooling Capacity (1000 Btuh)

kW - Compressor Power

SDT - Saturated Discharge Temperature at Compressor (F)

SHC - Sensible Heat Capacity

# EXPANDED PERFORMANCE DATA (COOLING) CAE120 WITH BAC / ABC120 (Gross Capacity)

| OD DB | ID DB  | 80    |       |       |       |       |       |       |       |       |       |       |       |
|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|       | ID CFM | 3000  |       |       |       | 4000  |       |       |       | 5000  |       |       |       |
|       | ID WB  | 57    | 62    | 67    | 72    | 57    | 62    | 67    | 72    | 57    | 62    | 67    | 72    |
| 80    | TC     | 110.0 | 115.0 | 124.0 | 134.0 | 119.0 | 121.0 | 130.0 | 139.0 | 126.0 | 126.0 | 133.0 | 143.0 |
|       | SHC    | 110.0 | 99.4  | 83.3  | 66.8  | 119.0 | 114.0 | 94.6  | 73.6  | 126.0 | 125.0 | 105.0 | 79.9  |
|       | kW     | 8.19  | 8.32  | 8.55  | 8.82  | 8.41  | 8.48  | 8.70  | 8.96  | 8.59  | 8.60  | 8.80  | 9.06  |
| 85    | TC     | 108.0 | 113.0 | 122.0 | 132.0 | 117.0 | 119.0 | 128.0 | 137.0 | 124.0 | 124.0 | 131.0 | 140.0 |
|       | SHC    | 108.0 | 98.4  | 82.4  | 66.0  | 117.0 | 113.0 | 93.7  | 72.8  | 124.0 | 123.0 | 104.0 | 79.0  |
|       | kW     | 8.57  | 8.70  | 8.93  | 9.20  | 8.80  | 8.85  | 9.08  | 9.35  | 8.97  | 8.98  | 9.17  | 9.44  |
| 95    | TC     | 105.0 | 110.0 | 118.0 | 127.0 | 114.0 | 115.0 | 123.0 | 132.0 | 120.0 | 120.0 | 126.0 | 135.0 |
|       | SHC    | 105.0 | 96.6  | 80.7  | 64.3  | 114.0 | 111.0 | 91.9  | 71.1  | 120.0 | 120.0 | 102.0 | 77.3  |
|       | kW     | 9.34  | 9.45  | 9.69  | 9.96  | 9.57  | 9.61  | 9.83  | 10.10 | 9.73  | 9.74  | 9.93  | 10.20 |
| 100   | TC     | 104.0 | 107.0 | 116.0 | 125.0 | 112.0 | 113.0 | 121.0 | 130.0 | 118.0 | 118.0 | 124.0 | 132.0 |
|       | SHC    | 104.0 | 95.5  | 79.7  | 63.4  | 112.0 | 109.0 | 90.9  | 70.2  | 118.0 | 118.0 | 101.0 | 76.4  |
|       | kW     | 9.76  | 9.86  | 10.10 | 10.40 | 9.98  | 10.00 | 10.20 | 10.50 | 10.10 | 10.10 | 10.30 | 10.60 |
| 105   | TC     | 102.0 | 105.0 | 114.0 | 122.0 | 110.0 | 111.0 | 118.0 | 127.0 | 116.0 | 116.0 | 121.0 | 130.0 |
|       | SHC    | 102.0 | 94.4  | 78.7  | 62.4  | 110.0 | 108.0 | 89.9  | 69.2  | 116.0 | 116.0 | 100.0 | 75.5  |
|       | kW     | 10.20 | 10.30 | 10.50 | 10.80 | 10.40 | 10.40 | 10.60 | 10.90 | 10.60 | 10.60 | 10.70 | 11.00 |
| 115   | TC     | 98.4  | 101.0 | 109.0 | 117.0 | 106.0 | 106.0 | 113.0 | 122.0 | 111.0 | 111.0 | 116.0 | 124.0 |
|       | SHC    | 98.4  | 92.2  | 76.7  | 60.5  | 106.0 | 105.0 | 87.8  | 67.3  | 111.0 | 111.0 | 97.9  | 73.6  |
|       | kW     | 11.00 | 11.10 | 11.30 | 11.60 | 11.20 | 11.20 | 11.40 | 11.70 | 11.40 | 11.40 | 11.50 | 11.80 |

## CAE120 CONDENSER ONLY TABLE

| Saturated Suction Temp. - (F) |     | Outdoor Temperature - (F) |       |       |       |       |       |
|-------------------------------|-----|---------------------------|-------|-------|-------|-------|-------|
|                               |     | 80                        | 85    | 95    | 100   | 105   | 115   |
| 25                            | TC  | 102.0                     | 99.3  | 93.8  | 90.9  | 88.1  | 81.9  |
|                               | kW  | 8.04                      | 8.38  | 9.13  | 9.55  | 9.95  | 10.85 |
|                               | SDT | 101.0                     | 106.0 | 116.0 | 121.0 | 126.0 | 136.0 |
| 30                            | TC  | 112.0                     | 109.0 | 103.0 | 99.8  | 96.7  | 90.3  |
|                               | kW  | 8.26                      | 8.60  | 9.31  | 9.65  | 10.05 | 10.95 |
|                               | SDT | 103.0                     | 107.0 | 117.0 | 120.2 | 127.0 | 136.0 |
| 35                            | TC  | 122.0                     | 119.0 | 113.0 | 109.0 | 106.0 | 99.0  |
|                               | kW  | 8.52                      | 8.85  | 9.55  | 9.95  | 10.35 | 11.15 |
|                               | SDT | 104.0                     | 109.0 | 118.0 | 123.0 | 128.0 | 137.0 |
| 40                            | TC  | 133.0                     | 130.0 | 123.0 | 119.0 | 115.0 | 108.0 |
|                               | kW  | 8.81                      | 9.15  | 9.85  | 10.25 | 10.55 | 11.35 |
|                               | SDT | 106.0                     | 110.0 | 120.0 | 125.0 | 129.0 | 139.0 |
| 45                            | TC  | 144.0                     | 141.0 | 133.0 | 130.0 | 126.0 | 118.0 |
|                               | kW  | 9.12                      | 9.45  | 10.15 | 10.55 | 10.85 | 11.65 |
|                               | SDT | 108.0                     | 112.0 | 122.0 | 126.0 | 131.0 | 140.0 |
| 50                            | TC  | 156.0                     | 152.0 | 145.0 | 141.0 | 137.0 | 128.0 |
|                               | kW  | 9.45                      | 9.85  | 10.55 | 10.85 | 11.25 | 12.05 |
|                               | SDT | 109.0                     | 114.0 | 123.0 | 128.0 | 133.0 | 142.0 |

## LEGEND

TC - Gross Cooling Capacity (1000 Btuh)  
kW - Compressor Power  
SDT - Saturated Discharge Temperature at Compressor (F)  
SHC - Sensible Heat Capacity

## ACCESSORIES

| DESCRIPTION                                                                | MODEL NO.             | USED ON          |
|----------------------------------------------------------------------------|-----------------------|------------------|
| Coil Guard                                                                 | AXB070CGA             | All              |
| Hail Guard                                                                 | AXB070HGA             | All              |
| -20 Low Ambient Control                                                    | AXB175LAA*            | All 208/230 Volt |
| -20 Low Ambient Control                                                    | AXB275LAA**           | All 460 Volt     |
| Low Ambient Pressure Switch (Adjustable Head Pressure Fan Cycling Control) | Johnson # P70AA118*** | All              |

\* Requires two condenser fan motors to be changed (Fast part # 1171974).

\*\* Requires two condenser fan motors to be changed (Fast part # 1171975).

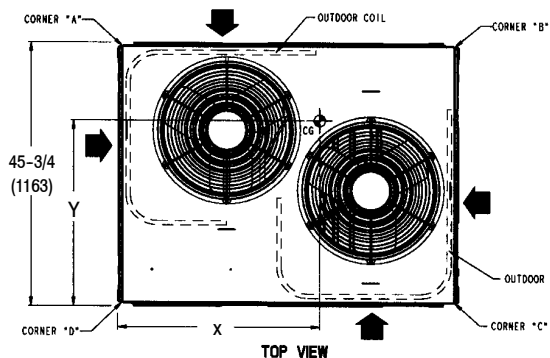
\*\*\* Purchase from your local supplier.

## MODEL NUMBER IDENTIFICATION GUIDE

|                            |  |          |          |          |            |                                            |          |  |                      |  |                               |
|----------------------------|--|----------|----------|----------|------------|--------------------------------------------|----------|--|----------------------|--|-------------------------------|
| <b>MODEL NUMBER</b>        |  | <b>C</b> | <b>A</b> | <b>E</b> | <b>120</b> | <b>H</b>                                   | <b>A</b> |  |                      |  |                               |
| <b>PRODUCT FAMILY</b>      |  |          |          |          |            | <b>SALES CODE</b>                          |          |  |                      |  |                               |
| C = Condenser              |  |          |          |          |            | <b>ELECTRICAL</b>                          |          |  |                      |  |                               |
| <b>PRODUCT TYPE</b>        |  |          |          |          |            | <b>CODE VOLTS PHASE CYCLE</b>              |          |  |                      |  |                               |
| A = Air Conditioner        |  |          |          |          |            | H 208/230-3-60<br>L 460-3-60<br>S 575-3-60 |          |  |                      |  |                               |
| <b>SERIES</b>              |  |          |          |          |            |                                            |          |  | <b>CAPACITY BTUH</b> |  | 120 = 120,000<br>091 = 90,000 |
| E =Ashrae Compliant Series |  |          |          |          |            |                                            |          |  |                      |  |                               |

## Dimensions & Weight

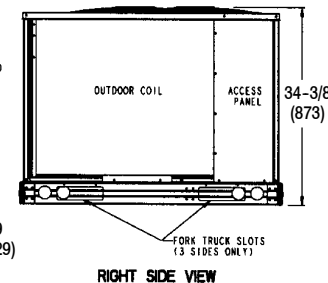
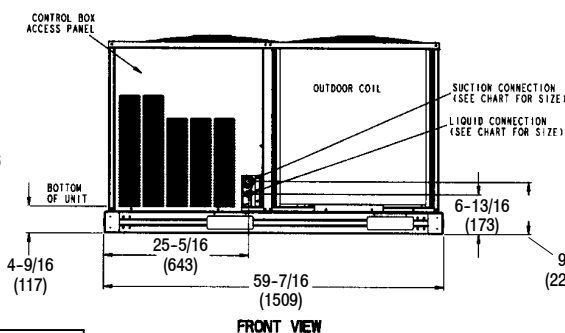
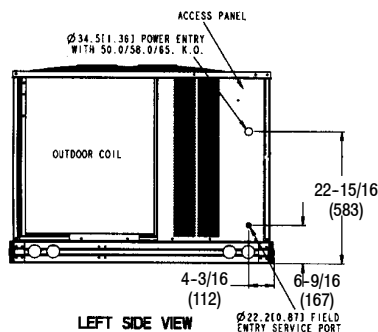
| Center of Gravity - In. (mm) |            |            |
|------------------------------|------------|------------|
| Unit                         | Y          | X          |
| CAE091                       | 32.4 (822) | 25.0 (635) |
| CAE120                       | 32.0 (813) | 26.6 (676) |



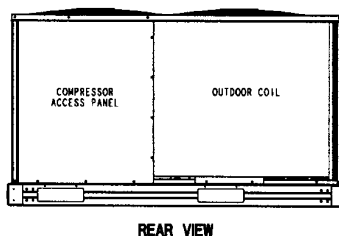
### Notes:

- Minimum clearance (Local Codes or jurisdiction may prevail).
  - Bottom to combustible surfaces: 0 inches
  - Outdoor Coil: For proper airflow: 36 inches (914) Side: 12 inches (305)
  - Overhead: 60 inches (1524) for proper outdoor fan operation.
  - Between Units: 42 inches (1067) per NEC.
  - Between unit and ungrounded surfaces: control box side: 36 inches (914) per NEC.
  - Between unit and block or concrete walls and other grounded surfaces: control box side, 42 inches (1067) per NEC.
- With exception of the clearance for the outdoor coil as stated in note 1B, a removable fence or barricade requires no clearance.
- Units may be installed on combustible floors made from wood or class A, B, or C roof covering material.

CG CENTER OF GRAVITY  
 DIRECTION OF AIR FLOW  
 DIMENSIONS IN ( ) ARE IN INCHES



| Weights - Lbs (kg) |           |          |          |          |          |
|--------------------|-----------|----------|----------|----------|----------|
| Unit               | Weight    | Corner A | Corner B | Corner C | Corner D |
| CAE091             | 383 (174) | 86 (39)  | 123 (56) | 85 (39)  | 89 (40)  |
| CAE120             | 430 (195) | 84 (38)  | 166 (75) | 66 (30)  | 114 (52) |



| Service Valve Connections - In. (mm) |              |            |
|--------------------------------------|--------------|------------|
| Unit                                 | Suction      | Liquid     |
| CAE091                               | 1-1/8 (28.6) | 3/8 (9.5)  |
| CAE120                               | 1-3/8 (34.9) | 1/2 (12.7) |