



**KULTHORN GROUP**



**KULTHORN KIRBY**  
**PUBLIC COMPANY LIMITED**  
**HERMETIC COMPRESSORS**



**World Class Products for  
Refrigeration & Air Conditioning**



# Company History

Kulthorn Kirby was the first hermetic compressor manufacturer in Thailand, established with Thailand Board of Investment promotion in 1980. The company was officially opened on January 13, 1982, with the initial production output of over 100,000 compressors in the first year of operation. Later, the production capacity was expanded to 5,000,000 units/year, of which more than 70% are exported worldwide. In 1991, the company was listed in the Stock Exchange of Thailand with 500 millions Baht registered capital and in 2013, registered capital was increased to 1,000 millions.

Kulthorn Kirby specializes in the manufacture of hermetic reciprocating compressors for domestic refrigerators, commercial refrigeration systems and air conditioners. We believe in our vision, which is to be the producer of best quality, world standard products that best meet our customers' needs. With our concern for the environment and for meeting relevant safety standards, Kulthorn Kirby compressors are approved to many international performance and safety standards such as CE, UL, TUV, CCC, SASO and TISI.

NAME:

Kulthorn Kirby Public Company Limited

Company Registration No:

0107537002150 ( Bor Mor Jor. 462 )

Established:

24 March 1980

Grand Opening:

13 January 1982

Head Office & Factory:

126 Soi Chalong Krung 31, Chalong Krung Road,  
Lat Krabang Ind. Est., Khwaeng Lam Pla Thio,  
Khet Lat Krabang, Bangkok 10520, Thailand

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E-mail:

kkc@kulthorn.com, sales@kulthorn.com

Web site:

www.kulthorn.com

Employees:

2,200 persons

Land area:

65-3-2 rai (21 Acres)

Factory space:

85,300 sq.m.

Product:

Hermetic Motor Compressors for Refrigeration  
and Air-Conditioning Products

Brand name:

KULTHORN

Plant capacity:

4 million units/year of refrigeration compressors  
and 1 million units/year of air-conditioning  
compressors

Major Shareholders:

Simakulthorn Group  
Heatcraft Australia Pty Ltd.  
Original Equipment Manufacturers

Subsidiaries:

Kulthorn Kirby Foundry Co., Ltd.  
Kulthorn Premier Co., Ltd.  
Kulthorn Steel Co., Ltd.  
Kulthorn Materials & Controls Co., Ltd.  
Kulthorn Metal Products Co., Ltd.





# Model Number System

Family Release Variant : A = 1 st., B = 2 nd., etc.

- Abbreviated Nominal Rated BTU Capacity at 60Hz.
- In this example (4) total digits, with the first two (14) indicating 1,400 BTU/Hr. capacity.

AZ A 3 4 14 Y - 1

## Electricity Supply Code

None - 220 - 240V/50Hz

-1 - 115V/60Hz

-2 - 208-230V/60Hz

-3 - 100V/50-60Hz

-4 - 110V/60Hz

-5 - 127V/60Hz

-6 - 220-240V/50Hz ,  
208-230V/60Hz

-7 - 127V/50-60Hz

-8 - 110-115V/60Hz

## 3PHASE

-9 = 380-420V/50Hz , 460V/60Hz

-XG = 380-420V/50Hz , 440-460V/60Hz

-XT = 200-220V/50Hz , 200-230V/60Hz

-XI = 380V/60Hz

-XK = 480V/60Hz

## Refrigerant

A,V - R12

E - R22

Y - R134a

Z - R404A/R507

G - R22/R407C

M - R600a

N - R290

B - R410A

## Application

1 = Low Back Pressure. Motor With Normal Starting Torque.

2 = Low Back Pressure. Motor With High Starting Torque.

3 = High Back Pressure. Motor With Normal Starting Torque.

4 = High Back Pressure. Motor With High Starting Torque.

5 = Air Conditioning. Motor With Normal Starting Torque.

6 = Medium Back Pressure. Motor With Normal Starting Torque.

7 = Medium Back Pressure. Motor With High Starting Torque.

8 = Air Conditioning (High eff.) Motor with Normal Starting Torque.

9 = Commercial Back Pressure. Motor with High Starting Torque.

0 = Commercial Back Pressure. Motor with Normal Starting Torque.

Compressor Family : AZ-AZA-AE-BA-CA-WJ-AW-KA-LA

**OUR VISION :** To be the leader in the motor compressor business in ASEAN



| App.      | Model      | Disp.<br>(cc) | Cooling Capacity       |       | Input<br>(W) | COP<br>(W/W) | EER<br>(BTU/W-Hr) | RLA<br>(A) | LRA<br>(A) | Motor<br>Type | Start CAP. |     | Run CAP. |     | Dim.<br>"A" |
|-----------|------------|---------------|------------------------|-------|--------------|--------------|-------------------|------------|------------|---------------|------------|-----|----------|-----|-------------|
|           |            |               | (BTU/Hr)               | (W)   |              |              |                   |            |            |               | MFD        | VAC | MFD      | VAC |             |
| R134a     |            |               | 220-240V / 50Hz / 1Ph. |       |              |              |                   |            |            |               |            |     |          |     |             |
| LBP       | AZ A1320Y  | 2.73          | 198                    | 58    | 57           | 1.02         | 3.47              | 0.3        | 6.4        | R.S.I.R.      | No         | No  | No       | No  | 162         |
|           |            | 2.73          | 198                    | 58    | 52           | 1.12         | 3.81              | 0.2        | 5.8        | R.S.C.R.      | No         | No  | 4        | 450 | 159         |
|           | AZ A1327Y  | 3.28          | 252                    | 74    | 73           | 1.01         | 3.46              | 0.5        | 7.4        | R.S.I.R.      | No         | No  | No       | No  | 168         |
|           |            | 3.28          | 273                    | 80    | 63           | 1.27         | 4.33              | 0.3        | 8.0        | R.S.C.R.      | No         | No  | 4        | 440 | 159         |
|           | AZ A1330Y  | 3.59          | 290                    | 85    | 79           | 1.08         | 3.67              | 0.5        | 8.0        | R.S.I.R.      | No         | No  | No       | No  | 159         |
|           |            | 3.59          | 307                    | 90    | 66           | 1.36         | 4.65              | 0.3        | 8.0        | R.S.C.R.      | No         | No  | 4        | 440 | 168         |
|           | AZ A1335Y  | 3.80          | 328                    | 96    | 82           | 1.17         | 3.99              | 0.6        | 3.4        | R.S.I.R.      | No         | No  | No       | No  | 168         |
|           |            | 3.80          | 328                    | 96    | 75           | 1.28         | 4.37              | 0.3        | 6.0        | R.S.C.R.      | No         | No  | 4        | 440 | 168         |
|           | AZ A1340Y  | 4.00          | 375                    | 110   | 92           | 1.20         | 4.08              | 0.7        | 4.5        | R.S.I.R.      | No         | No  | No       | No  | 168         |
|           |            | 4.00          | 375                    | 110   | 80           | 1.38         | 4.69              | 0.4        | 7.0        | R.S.C.R.      | No         | No  | 4        | 440 | 168         |
|           | AZ A1350Y  | 5.00          | 457                    | 134   | 109          | 1.23         | 4.19              | 0.8        | 6.0        | R.S.I.R.      | No         | No  | No       | No  | 180         |
|           |            | 5.00          | 450                    | 132   | 90           | 1.47         | 5.00              | 0.4        | 7.0        | R.S.C.R.      | No         | No  | 4        | 440 | 180         |
|           | AZ A1360Y  | 5.59          | 495                    | 145   | 128          | 1.13         | 3.87              | 1.0        | 8.9        | R.S.I.R.      | No         | No  | No       | No  | 178         |
|           |            | 5.59          | 512                    | 150   | 100          | 1.50         | 5.12              | 0.5        | 7.0        | R.S.C.R.      | No         | No  | 4        | 440 | 180         |
|           | AZ A1370Y  | 6.00          | 563                    | 165   | 137          | 1.20         | 4.11              | 1.0        | 8.9        | R.S.I.R.      | No         | No  | No       | No  | 180         |
|           |            | 6.00          | 587                    | 172   | 109          | 1.58         | 5.38              | 0.5        | 9.0        | R.S.C.R.      | No         | No  | 4        | 440 | 180         |
|           | AZ A2340Y  | 4.00          | 375                    | 110   | 92           | 1.20         | 4.08              | 0.7        | 10.0       | C.S.I.R.      | 36-43      | 330 | No       | No  | 168         |
|           | AZ A2360Y  | 5.59          | 495                    | 145   | 128          | 1.13         | 3.87              | 1.0        | 7.0        | C.S.I.R.      | 36-43      | 330 | No       | No  | 178         |
|           | AE 1360Y   | 5.99          | 546                    | 160   | 120          | 1.33         | 4.55              | 0.9        | 10.0       | R.S.I.R.      | No         | No  | No       | No  | 184         |
|           |            | 5.99          | 546                    | 160   | 110          | 1.45         | 4.92              | 0.9        | 10.0       | R.S.C.R.      | No         | No  | 4        | 440 | 184         |
|           | AE 1370Y   | 6.91          | 682                    | 200   | 145          | 1.38         | 4.71              | 1.1        | 12.0       | R.S.I.R.      | No         | No  | No       | No  | 184         |
|           |            | 6.91          | 682                    | 200   | 134          | 1.50         | 5.11              | 1.1        | 12.0       | R.S.C.R.      | No         | No  | 4        | 440 | 184         |
|           | AE 1390Y   | 8.10          | 820                    | 240   | 172          | 1.39         | 4.75              | 1.2        | 12.0       | R.S.I.R.      | No         | No  | No       | No  | 184         |
|           |            | 8.10          | 820                    | 240   | 160          | 1.50         | 5.12              | 1.2        | 12.0       | R.S.C.R.      | No         | No  | 4        | 440 | 184         |
|           | AE 1410Y   | 9.42          | 955                    | 280   | 204          | 1.37         | 4.68              | 1.6        | 20.0       | R.S.I.R.      | No         | No  | No       | No  | 200         |
|           |            | 9.42          | 955                    | 280   | 186          | 1.50         | 5.13              | 1.6        | 20.0       | R.S.C.R.      | No         | No  | 4        | 440 | 200         |
|           | AE 1413Y   | 10.90         | 1,109                  | 325   | 260          | 1.25         | 4.27              | 1.8        | 13.0       | R.S.I.R.      | No         | No  | No       | No  | 184         |
|           |            | 10.90         | 1,109                  | 325   | 250          | 1.30         | 4.44              | 1.7        | 13.0       | R.S.C.R.      | No         | No  | 4        | 450 | 184         |
|           | AE 2360Y   | 6.91          | 539                    | 158   | 136          | 1.16         | 3.96              | 1.0        | 6.8        | C.S.I.R.      | 36-43      | 330 | No       | No  | 189         |
|           |            | 6.91          | 539                    | 158   | 119          | 1.33         | 4.53              | 0.5        | 4.7        | C.S.R.        | 36-43      | 330 | 5        | 440 | 189         |
|           | AE 2370Y   | 6.91          | 630                    | 185   | 150          | 1.23         | 4.18              | 1.1        | 7.0        | C.S.I.R.      | 36-43      | 330 | No       | No  | 176         |
|           | AE 2390Y   | 8.10          | 810                    | 237   | 190          | 1.24         | 4.23              | 1.3        | 7.0        | C.S.I.R.      | 36-43      | 330 | No       | No  | 184         |
| AE 2410Y  | 9.42       | 920           | 270                    | 215   | 1.26         | 4.28         | 1.5               | 9.0        | C.S.I.R.   | 36-43         | 330        | No  | No       | 184 |             |
|           | 9.42       | 920           | 270                    | 210   | 1.29         | 4.39         | 1.0               | 8.0        | C.S.R.     | 36-43         | 330        | 8   | 450      | 184 |             |
| AE 2413Y  | 10.90      | 1,110         | 325                    | 253   | 1.28         | 4.38         | 1.8               | 10.0       | C.S.I.R.   | 36-43         | 330        | No  | No       | 184 |             |
| AE 2415Y  | 12.50      | 1,245         | 365                    | 274   | 1.33         | 4.55         | 1.3               | 12.0       | C.S.R.     | 36-43         | 330        | 8   | 450      | 200 |             |
| AE 2417Y  | 18.00      | 1,365         | 400                    | 325   | 1.23         | 4.20         | 1.7               | 16.0       | C.S.R.     | 36-43         | 330        | 10  | 440      | 216 |             |
| AE A2410Y | 12.04      | 920           | 270                    | 226   | 1.19         | 4.08         | 1.7               | 11.9       | C.S.I.R.   | 36-43         | 330        | No  | No       | 216 |             |
| AE A2413Y | 14.14      | 1,126         | 330                    | 280   | 1.18         | 4.02         | 2.0               | 12.8       | C.S.I.R.   | 36-43         | 330        | No  | No       | 216 |             |
| AE A2415Y | 16.15      | 1,262         | 370                    | 280   | 1.32         | 4.51         | 1.3               | 11.6       | C.S.R.     | 36-43         | 330        | 8   | 450      | 212 |             |
| MBP/CBP   | AZ A0349Y  | 2.73          | 512                    | 150   | 110          | 1.36         | 4.65              | 0.8        | 7.0        | R.S.I.R.      | No         | No  | No       | No  | 162         |
|           | AZ A0387Y  | 3.80          | 734                    | 215   | 143          | 1.50         | 5.13              | 1.1        | 6.0        | R.S.I.R.      | No         | No  | No       | No  | 168         |
|           | AZ A0411Y  | 5.00          | 972                    | 285   | 178          | 1.60         | 5.46              | 1.4        | 16.0       | R.S.I.R.      | No         | No  | No       | No  | 178         |
|           | AZ A0413YK | 6.00          | 1,146                  | 336   | 213          | 1.58         | 5.38              | 1.5        | 13.7       | R.S.I.R.      | No         | No  | No       | No  | 178         |
|           | AZ A9349Y  | 2.73          | 512                    | 150   | 110          | 1.36         | 4.65              | 0.8        | 5.0        | C.S.I.R.      | 36-43      | 330 | No       | No  | 162         |
|           | AZ A9387Y  | 3.80          | 734                    | 215   | 143          | 1.50         | 5.13              | 1.1        | 6.0        | C.S.I.R.      | 36-43      | 330 | No       | No  | 168         |
|           | AZ A9411Y  | 5.00          | 972                    | 285   | 178          | 1.60         | 5.46              | 1.4        | 8.0        | C.S.I.R.      | 36-43      | 330 | No       | No  | 178         |
|           | AZ A9413Y  | 6.00          | 1,160                  | 340   | 213          | 1.60         | 5.45              | 1.6        | 8.7        | C.S.I.R.      | 36-43      | 330 | No       | No  | 178         |
|           | AE 6412Y   | 5.99          | 1,060                  | 313   | 193          | 1.62         | 5.50              | 1.2        | 11.6       | R.S.I.R.      | No         | No  | No       | No  | 189         |
|           | AE 7415Y   | 7.57          | 1,260                  | 370   | 250          | 1.48         | 5.04              | 1.8        | 11.5       | C.S.I.R.      | 36-43      | 330 | No       | No  | 188         |
|           | AE 7423Y   | 12.04         | 1,958                  | 574   | 360          | 1.59         | 5.43              | 2.3        | 18.5       | C.S.I.R.      | 36-43      | 330 | No       | No  | 203         |
|           | AE 7426Y   | 14.14         | 2,184                  | 640   | 425          | 1.51         | 5.14              | 2.5        | 12.8       | C.S.I.R.      | 36-43      | 330 | No       | No  | 216         |
|           | AE 7430Y   | 16.08         | 2,542                  | 745   | 455          | 1.64         | 5.59              | 2.2        | 12.8       | C.S.R.        | 36-43      | 330 | 8        | 450 | 216         |
|           | CA 7440Y   | 20.00         | 3,412                  | 1,000 | 588          | 1.70         | 5.80              | 2.9        | 16.0       | C.S.R.        | 43-52      | 330 | 10       | 440 | 215         |
|           | WJ 9430YK  | 19.80         | 3,003                  | 880   | 490          | 1.80         | 6.13              | 2.1        | 19.0       | C.S.R.        | 88-106     | 330 | 15       | 440 | 264         |
|           | WJ 9440YK  | 21.55         | 3,497                  | 1,025 | 560          | 1.83         | 6.25              | 2.6        | 19.0       | C.S.R.        | 88-106     | 330 | 15       | 440 | 264         |
|           | WJ 9445YK  | 24.20         | 3,992                  | 1,170 | 640          | 1.83         | 6.24              | 2.9        | 18.7       | C.S.R.        | 88-106     | 330 | 20       | 440 | 264         |
| WJ 9450YK | 26.75      | 4,600         | 1,348                  | 790   | 1.71         | 5.82         | 4.8               | 30.0       | C.S.R.     | 88-106        | 330        | 15  | 440      | 264 |             |
| WJ 9460YK | 30.50      | 5,390         | 1,580                  | 870   | 1.82         | 6.20         | 4.2               | 30.0       | C.S.R.     | 88-106        | 330        | 15  | 440      | 264 |             |
| WJ 9470Y  | 34.50      | 5,870         | 1,720                  | 1,010 | 1.70         | 5.81         | 5.2               | 30.0       | C.S.R.     | 88-106        | 330        | 15  | 440      | 264 |             |
| MBP/HBP   | AE 9417Y   | 8.10          | 1,604                  | 470   | 260          | 1.80         | 6.14              | 1.2        | 9.5        | C.S.R.        | 36-43      | 330 | 8        | 450 | 184         |
|           |            | 8.10          | 2,798                  | 820   | 335          | 2.45         | 8.35              | 1.6        | 9.5        | C.S.R.        | 36-43      | 330 | 8        | 450 | 184         |
|           | AE 9419Y   | 9.42          | 1,638                  | 480   | 330          | 1.45         | 4.96              | 2.3        | 15.0       | C.S.I.R.      | 36-43      | 330 | No       | No  | 189         |
|           |            | 9.42          | 3,078                  | 902   | 450          | 2.00         | 6.84              | 2.7        | 15.0       | C.S.I.R.      | 36-43      | 330 | No       | No  | 189         |
|           | AE 9437Y   | 18.00         | 3,140                  | 920   | 532          | 1.73         | 5.90              | 2.6        | 16.3       | C.S.R.        | 36-43      | 330 | 10       | 440 | 216         |
|           |            | 18.00         | 5,732                  | 1,680 | 730          | 2.30         | 7.85              | 3.5        | 16.3       | C.S.R.        | 36-43      | 330 | 10       | 440 | 216         |
|           | AE 9445Y   | 22.30         | 3,753                  | 1,100 | 667          | 1.65         | 5.63              | 3.5        | 21.0       | C.S.R.        | 43-52      | 330 | 15       | 450 | 216         |
|           |            | 22.30         | 6,824                  | 2,000 | 930          | 2.15         | 7.34              | 4.6        | 21.0       | C.S.R.        | 43-52      | 330 | 15       | 440 | 216         |
|           | BA 9426Y   | 12.03         | 2,218                  | 650   | 350          | 1.85         | 6.32              | 1.7        | 11.0       | C.S.R.        | 36-43      | 330 | 8        | 450 | 202         |
|           |            | 12.03         | 3,992                  | 1,170 | 468          | 2.50         | 8.53              | 2.2        | 11.0       | C.S.R.        | 36-43      | 330 | 8        | 450 | 202         |
|           | BA 9430Y   | 14.14         | 2,593                  | 760   | 410          | 1.85         | 6.32              | 2.0        | 13.0       | C.S.R.        | 36-43      | 330 | 12       | 440 | 215         |
|           |            | 14.14         | 4,644                  | 1,360 | 545          | 2.50         | 8.52              | 2.7        | 13.0       | C.S.R.        | 36-43      | 330 | 12       | 440 | 215         |



| App.    | Model     | Disp.<br>(cc) | Cooling Capacity |       | Input<br>(W) | COP<br>(W/W) | EER<br>(BTU/W-Hr) | RLA<br>(A) | LRA<br>(A) | Motor<br>Type | Start CAP. |     | Run CAP. |     | Dim.<br>"A" |
|---------|-----------|---------------|------------------|-------|--------------|--------------|-------------------|------------|------------|---------------|------------|-----|----------|-----|-------------|
|         |           |               | (BTU/Hr)         | (W)   |              |              |                   |            |            |               | MFD        | VAC | MFD      | VAC |             |
| MBP/HBP | BA 9437Y  | 16.08         | 2,934            | 860   | 477          | 1.80         | 6.15              | 2.3        | 14.0       | C.S.R.        | 36-43      | 330 | 15       | 440 | 215         |
|         |           | 16.08         | 5,288            | 1,550 | 645          | 2.40         | 8.20              | 3.1        | 14.0       | C.S.R.        | 36-43      | 330 | 15       | 440 | 215         |
|         | BA 9440Y  | 18.00         | 3,344            | 980   | 576          | 1.70         | 5.81              | 2.7        | 16.0       | C.S.R.        | 36-43      | 330 | 10       | 440 | 215         |
|         |           | 18.00         | 5,970            | 1,750 | 730          | 2.40         | 8.18              | 3.7        | 16.0       | C.S.R.        | 36-43      | 330 | 10       | 440 | 215         |
|         | CA 9437Y  | 18.00         | 3,140            | 920   | 510          | 1.80         | 6.15              | 2.5        | 16.0       | C.S.R.        | 36-43      | 330 | 10       | 440 | 215         |
|         |           | 18.00         | 5,732            | 1,680 | 700          | 2.40         | 8.19              | 3.3        | 16.0       | C.S.R.        | 36-43      | 330 | 10       | 440 | 215         |
|         | CA 9440Y  | 20.00         | 3,412            | 1,000 | 588          | 1.70         | 5.80              | 2.9        | 16.0       | C.S.R.        | 43-52      | 330 | 10       | 440 | 215         |
|         |           | 20.00         | 6,244            | 1,830 | 796          | 2.30         | 7.84              | 3.9        | 16.0       | C.S.R.        | 43-52      | 330 | 10       | 440 | 215         |
|         | CA 9445Y  | 22.30         | 3,753            | 1,100 | 667          | 1.65         | 5.63              | 3.5        | 21.0       | C.S.R.        | 43-52      | 330 | 15       | 450 | 215         |
|         |           | 22.30         | 6,824            | 2,000 | 930          | 2.15         | 7.34              | 4.6        | 21.0       | C.S.R.        | 43-52      | 330 | 15       | 450 | 215         |
|         | AW 4495YK | 30.50         | 3,583            | 1,050 | 680          | 1.54         | 5.27              | 3.5        | 33.0       | C.S.R.        | 88-106     | 330 | 20       | 440 | 289         |
|         |           | 30.50         | 8,121            | 2,380 | 850          | 2.80         | 9.54              | 4.4        | 33.0       | C.S.R.        | 88-106     | 330 | 20       | 440 | 289         |
|         | AW 4513YK | 35.60         | 4,572            | 1,340 | 742          | 1.81         | 6.16              | 3.9        | 50.5       | C.S.R.        | 88-106     | 330 | 30       | 440 | 289         |
|         |           | 35.60         | 10,543           | 3,090 | 1,050        | 2.94         | 10.04             | 5.2        | 50.5       | C.S.R.        | 88-106     | 330 | 30       | 440 | 289         |
|         | AW 4514YK | 37.50         | 4,770            | 1,398 | 745          | 1.88         | 6.40              | 3.9        | 54.1       | C.S.R.        | 88-106     | 330 | 35       | 440 | 324         |
|         |           | 37.50         | 11,376           | 3,334 | 1,104        | 3.02         | 10.30             | 5.4        | 54.1       | C.S.R.        | 88-106     | 330 | 35       | 440 | 324         |
| HBP     | AZ A3414Y | 3.80          | 1,280            | 375   | 175          | 2.14         | 7.31              | 1.2        | 6.0        | R.S.I.R.      | No         | No  | No       | No  | 168         |
|         |           | 5.00          | 1,706            | 500   | 233          | 2.15         | 7.32              | 1.6        | 16.0       | R.S.I.R.      | No         | No  | No       | No  | 168         |
|         | AZ A3423Y | 5.59          | 2,000            | 586   | 257          | 2.28         | 7.78              | 1.6        | 12.0       | R.S.I.R.      | No         | No  | No       | No  | 168         |
|         | AZ A3425Y | 6.00          | 2,140            | 627   | 283          | 2.22         | 7.56              | 1.8        | 13.0       | R.S.I.R.      | No         | No  | No       | No  | 178         |
|         | AZ A4414Y | 3.80          | 1,280            | 375   | 175          | 2.14         | 7.31              | 1.2        | 6.0        | C.S.I.R.      | 36-43      | 330 | No       | No  | 168         |
|         | AZ A4417Y | 5.00          | 1,706            | 500   | 233          | 2.15         | 7.32              | 1.6        | 8.0        | C.S.I.R.      | 36-43      | 330 | No       | No  | 168         |
|         | AZ A4425Y | 6.00          | 2,047            | 600   | 300          | 2.00         | 6.82              | 1.9        | 9.0        | C.S.I.R.      | 36-43      | 330 | No       | No  | 178         |
|         | AE 3425Y  | 7.57          | 2,490            | 730   | 342          | 2.13         | 7.28              | 2.2        | 13.6       | R.S.I.R.      | No         | No  | No       | No  | 189         |
|         | AE 3430Y  | 8.86          | 2,900            | 850   | 395          | 2.15         | 7.34              | 2.5        | 22.0       | R.S.I.R.      | No         | No  | No       | No  | 189         |
|         | AE 3435Y  | 9.42          | 3,044            | 892   | 427          | 2.09         | 7.13              | 2.7        | 21.1       | R.S.I.R.      | No         | No  | No       | No  | 189         |
|         | AE 3440Y  | 12.04         | 3,634            | 1,065 | 510          | 2.09         | 7.13              | 3.0        | 11.3       | R.S.I.R.      | No         | No  | No       | No  | 192         |
|         | AE 3448Y  | 14.14         | 4,094            | 1,200 | 595          | 2.02         | 6.88              | 3.5        | 29.1       | R.S.I.R.      | No         | No  | No       | No  | 216         |
|         | AE 4425Y  | 7.57          | 2,388            | 700   | 327          | 2.14         | 7.30              | 2.2        | 10.7       | C.S.I.R.      | 36-43      | 330 | No       | No  | 183         |
|         | AE 4430Y  | 8.86          | 2,798            | 820   | 390          | 2.10         | 7.17              | 2.5        | 12.0       | C.S.I.R.      | 36-43      | 330 | No       | No  | 176         |
|         |           | 8.86          | 2,716            | 796   | 340          | 2.35         | 8.01              | 1.6        | 9.5        | C.S.R.        | 36-43      | 330 | 8        | 450 | 189         |
|         | AE 4435Y  | 9.42          | 3,078            | 902   | 440          | 2.05         | 6.99              | 2.7        | 14.1       | C.S.I.R.      | 36-43      | 330 | No       | No  | 189         |
|         |           | 9.42          | 3,070            | 900   | 375          | 2.40         | 8.19              | 1.8        | 10.0       | C.S.R.        | 36-43      | 330 | 8        | 450 | 183         |
|         | AE 4440Y  | 12.04         | 3,668            | 1,075 | 505          | 2.13         | 7.26              | 3.1        | 14.7       | C.S.I.R.      | 36-43      | 330 | No       | No  | 202         |
|         |           | 12.04         | 3,668            | 1,075 | 420          | 2.56         | 8.73              | 2.0        | 10.7       | C.S.R.        | 36-43      | 330 | 8        | 450 | 202         |
|         | AE 4448Y  | 14.14         | 4,060            | 1,190 | 575          | 2.07         | 7.06              | 3.5        | 23.9       | C.S.I.R.      | 36-43      | 330 | No       | No  | 212         |
|         |           | 14.14         | 4,163            | 1,220 | 520          | 2.35         | 8.01              | 2.4        | 12.3       | C.S.R.        | 36-43      | 330 | 12       | 440 | 212         |
|         | AE 4459Y  | 16.08         | 4,947            | 1,450 | 615          | 2.36         | 8.04              | 2.8        | 12.0       | C.S.R.        | 43-52      | 330 | 15       | 440 | 216         |
|         | BA 4462Y  | 16.08         | 5,288            | 1,550 | 645          | 2.40         | 8.20              | 3.1        | 16.0       | C.S.R.        | 36-43      | 330 | 15       | 440 | 215         |
|         | CA 4474Y  | 20.00         | 6,244            | 1,830 | 796          | 2.30         | 7.84              | 3.9        | 16.0       | C.S.R.        | 43-52      | 330 | 10       | 440 | 215         |

115V / 60Hz / 1Ph

|         |              |       |       |       |       |      |      |      |      |          |         |     |    |     |     |
|---------|--------------|-------|-------|-------|-------|------|------|------|------|----------|---------|-----|----|-----|-----|
| LBP     | AZ A1320Y-1  | 2.73  | 263   | 77    | 77    | 1.00 | 3.41 | 1.3  | 9.0  | R.S.I.R. | No      | No  | No | No  | 162 |
|         | AZ A1327Y-1  | 3.28  | 314   | 92    | 84    | 1.09 | 3.72 | 1.4  | 14.0 | R.S.I.R. | No      | No  | No | No  | 168 |
|         | AZ A1330Y-1  | 3.59  | 375   | 110   | 97    | 1.13 | 3.86 | 1.5  | 14.0 | R.S.I.R. | No      | No  | No | No  | 168 |
|         | AZ A1335Y-1  | 3.80  | 392   | 115   | 104   | 1.11 | 3.77 | 1.7  | 14.0 | R.S.I.R. | No      | No  | No | No  | 168 |
|         | AZ A1340Y-1  | 4.00  | 427   | 125   | 113   | 1.11 | 3.77 | 1.7  | 15.0 | R.S.I.R. | No      | No  | No | No  | 168 |
|         | AZ A1350Y-1  | 5.00  | 505   | 148   | 140   | 1.06 | 3.61 | 2.6  | 20.0 | R.S.I.R. | No      | No  | No | No  | 172 |
|         | AZ A1360Y-1  | 5.59  | 630   | 185   | 155   | 1.19 | 4.07 | 2.7  | 26.0 | R.S.I.R. | No      | No  | No | No  | 178 |
|         | AZ A1370Y-1  | 6.00  | 665   | 195   | 170   | 1.15 | 3.91 | 3.1  | 29.0 | R.S.I.R. | No      | No  | No | No  | 178 |
|         | AZ A2340Y-1  | 4.00  | 427   | 125   | 113   | 1.11 | 3.77 | 1.7  | 15.0 | C.S.I.R. | 108-130 | 330 | No | No  | 168 |
|         | AZ A2360YK-1 | 5.59  | 630   | 185   | 155   | 1.19 | 4.07 | 2.7  | 18.0 | C.S.I.R. | 108-130 | 250 | No | No  | 178 |
|         | AE 2410Y-1   | 9.42  | 1,024 | 300   | 260   | 1.15 | 3.94 | 3.9  | 26.0 | C.S.I.R. | 108-130 | 330 | No | No  | 184 |
|         | AE 2413Y-1   | 10.90 | 1,200 | 352   | 304   | 1.16 | 3.95 | 4.1  | 26.0 | C.S.I.R. | 108-130 | 330 | No | No  | 184 |
| MBP/CBP | AZ A0349Y-1  | 2.73  | 601   | 176   | 128   | 1.38 | 4.71 | 1.7  | 14.0 | R.S.I.R. | No      | No  | No | No  | 162 |
|         | AZ A0370Y-1  | 2.95  | 652   | 191   | 137   | 1.39 | 4.74 | 1.8  | 14.0 | R.S.I.R. | No      | No  | No | No  | 162 |
|         | AZ A0387Y-1  | 3.80  | 860   | 252   | 168   | 1.50 | 5.12 | 2.6  | 15.0 | R.S.I.R. | No      | No  | No | No  | 168 |
|         | AZ A0411Y-1  | 5.00  | 1,140 | 334   | 220   | 1.52 | 5.19 | 3.1  | 17.0 | R.S.I.R. | No      | No  | No | No  | 178 |
|         | AZ A0413YK-1 | 6.00  | 1,360 | 400   | 255   | 1.57 | 5.34 | 3.2  | 28.8 | R.S.I.R. | No      | No  | No | No  | 178 |
|         | AZ A9413Y-1  | 6.00  | 1,310 | 384   | 260   | 1.48 | 5.04 | 3.6  | 19.6 | C.S.I.R. | 36-43   | 250 | No | No  | 178 |
|         | AE 7423Y-1   | 12.04 | 2,300 | 674   | 420   | 1.60 | 5.48 | 4.6  | 37.0 | C.S.R.   | 130-156 | 330 | 15 | 440 | 212 |
|         | AE 7426Y-1   | 14.14 | 2,600 | 762   | 487   | 1.56 | 5.34 | 5.2  | 37.0 | C.S.R.   | 130-156 | 330 | 15 | 440 | 216 |
|         | AE 9437Y-1   | 18.00 | 3,363 | 986   | 663   | 1.49 | 5.07 | 5.9  | 40.0 | C.S.R.   | 130-156 | 330 | 25 | 440 | 216 |
|         | WJ 9440YK-1  | 21.55 | 4,026 | 1,180 | 685   | 1.72 | 5.88 | 6.5  | 46.8 | C.S.R.   | 216-259 | 250 | 25 | 440 | 264 |
|         | WJ 9445YK-1  | 24.20 | 4,710 | 1,380 | 810   | 1.70 | 5.81 | 7.6  | 52.0 | C.S.R.   | 216-259 | 250 | 30 | 440 | 264 |
|         | WJ 9460YK-1  | 30.50 | 6,250 | 1,832 | 1,090 | 1.68 | 5.73 | 9.7  | 61.0 | C.S.R.   | 216-259 | 250 | 30 | 440 | 264 |
| MBP/HBP | AZ A9387Y-1  | 3.80  | 860   | 252   | 168   | 1.50 | 5.12 | 2.6  | 15.1 | C.S.I.R. | 88-106  | 330 | No | No  | 168 |
|         |              | 3.80  | 1,518 | 445   | 220   | 2.02 | 6.90 | 2.8  | 15.1 | C.S.I.R. | 88-106  | 330 | No | No  | 168 |
|         | CA 9437Y-1   | 18.00 | 3,446 | 1,010 | 697   | 1.45 | 4.94 | 9.3  | 45.0 | C.S.I.R. | 130-156 | 330 | No | No  | 215 |
|         |              | 18.00 | 6,653 | 1,950 | 975   | 2.00 | 6.82 | 11.0 | 45.0 | C.S.I.R. | 130-156 | 330 | No | No  | 215 |
|         | CA 9440Y-1   | 20.00 | 3,821 | 1,120 | 700   | 1.60 | 5.46 | 6.8  | 40.0 | C.S.R.   | 130-156 | 330 | 25 | 440 | 215 |
|         |              | 20.00 | 6,900 | 2,022 | 1,010 | 2.00 | 6.83 | 9.5  | 40.0 | C.S.R.   | 130-156 | 330 | 25 | 440 | 215 |
|         | CA 9445Y-1   | 22.30 | 4,146 | 1,215 | 860   | 1.41 | 4.82 | 9.5  | 45.0 | C.S.R.   | 130-156 | 330 | 35 | 440 | 215 |
|         |              | 22.30 | 7,610 | 2,230 | 1,200 | 1.86 | 6.34 | 12.0 | 45.0 | C.S.R.   | 130-156 | 330 | 35 | 440 | 215 |
| HBP     | AZ A3414Y-1  | 3.80  | 1,518 | 445   | 383   | 2.02 | 6.90 | 2.8  | 15.1 | R.S.I.R. | No      | No  | No | No  | 168 |
|         | AZ A4414Y-1  | 3.80  | 1,518 | 445   | 383   | 2.02 | 6.90 | 2.8  | 15.1 | C.S.I.R. | 88-106  | 330 | No | No  | 168 |
|         | AE 3417Y-1   | 5.68  | 2,000 | 586   | 288   | 2.04 | 6.95 | 3.3  | 27.0 | R.S.I.R. | No      | No  | No | No  | 189 |
|         | AE 3425Y-1   | 7.57  | 2,736 | 802   | 400   | 2.01 | 6.82 | 4.3  | 22.6 | R.S.I.R. | No      | No  | No | No  | 189 |
|         | AE 4425Y-1   | 7.57  | 2,798 | 820   | 420   | 1.96 | 6.68 | 5.5  | 24.0 | C.S.I.R. | 108-130 | 250 | No | No  | 189 |
|         | AE 4430Y-1   | 8.86  | 3,293 | 965   | 432   | 2.23 | 7.62 | 3.9  | 23.0 | C.S.R.   | 108-130 | 250 | 30 | 440 | 189 |
|         | AE 4440Y-1   | 12.04 | 4,006 | 1,174 | 590   | 1.99 | 6.78 | 6.2  | 34.5 | C.S.R.   | 108-130 | 250 | 20 | 440 | 202 |
|         | AE 4448Y-1   | 14.14 | 4,968 | 1,456 | 682   | 2.13 | 7.28 | 6.7  | 41.5 | C.S.R.   | 108-130 | 250 | 20 | 440 | 212 |
|         | AE 4459Y-1   | 16.08 | 5,800 | 1,700 | 850   | 2.00 | 6.82 | 7.5  | 40.0 | C.S.R.   | 130-156 | 330 | 25 | 440 | 216 |
|         | WJ 4495Y-1   | 30.50 | 9,997 | 2,930 | 1,150 | 2.55 | 8.69 | 13.4 | 61.0 | C.S.R.   | 216-259 | 250 | 30 | 425 | 264 |



| App.                   | Model        | Disp.<br>(cc) | Cooling Capacity |       | Input<br>(W) | COP<br>(W/W) | EER<br>(BTU/W-Hr) | RLA<br>(A) | LRA<br>(A) | Motor<br>Type | Start CAP. |     | Run CAP. |     | Dim.<br>"A" |
|------------------------|--------------|---------------|------------------|-------|--------------|--------------|-------------------|------------|------------|---------------|------------|-----|----------|-----|-------------|
|                        |              |               | (BTU/Hr)         | (W)   |              |              |                   |            |            |               | MFD        | VAC | MFD      | VAC |             |
| 208-230V / 60Hz / 1Ph. |              |               |                  |       |              |              |                   |            |            |               |            |     |          |     |             |
| LBP                    | AZ A1320Y-2  | 2.95          | 263              | 77    | 77           | 1.00         | 3.41              | 0.6        | 6.5        | R.S.I.R.      | No         | No  | No       | No  | 162         |
|                        | AZ A1327YK-2 | 3.28          | 314              | 92    | 86           | 1.07         | 3.65              | 0.7        | 8.5        | R.S.I.R.      | No         | No  | No       | No  | 162         |
|                        | AZ A1330YK-2 | 3.59          | 314              | 92    | 85           | 1.08         | 3.69              | 0.7        | 8.8        | R.S.I.R.      | No         | No  | No       | No  | 168         |
|                        | AZ A1335YK-2 | 3.80          | 392              | 115   | 104          | 1.11         | 3.77              | 0.8        | 8.4        | R.S.I.R.      | No         | No  | No       | No  | 168         |
|                        |              | 3.80          | 392              | 115   | 97           | 1.19         | 4.05              | 0.5        | 8.8        | R.S.C.R.      | No         | No  | 4        | 440 | 168         |
|                        | AZ A1340YK-2 | 4.00          | 437              | 128   | 112          | 1.14         | 3.90              | 0.9        | 9.6        | R.S.I.R.      | No         | No  | No       | No  | 168         |
|                        | AZ A1360YK-2 | 5.59          | 618              | 183   | 148          | 1.24         | 4.17              | 1.1        | 13.5       | R.S.I.R.      | No         | No  | No       | No  | 178         |
|                        | AE 1370Y-2   | 8.12          | 717              | 210   | 184          | 1.14         | 3.90              | 1.3        | 16.7       | R.S.I.R.      | No         | No  | No       | No  | 189         |
|                        | AE 1390Y-2   | 9.42          | 955              | 280   | 235          | 1.19         | 4.06              | 1.7        | 17.6       | R.S.I.R.      | No         | No  | No       | No  | 202         |
|                        | AE 2370Y-2   | 8.10          | 750              | 220   | 170          | 1.29         | 4.42              | 0.8        | 7.8        | C.S.R.        | 36-43      | 330 | 5        | 440 | 189         |
|                        | AE 2390Y-2   | 9.42          | 955              | 280   | 236          | 1.19         | 4.05              | 1.7        | 13.1       | C.S.I.R.      | 36-43      | 330 | No       | No  | 202         |
|                        | AE 2410Y-2   | 14.14         | 1,065            | 312   | 307          | 1.02         | 3.47              | 2.5        | 15.9       | C.S.I.R.      | 36-43      | 330 | No       | No  | 216         |
| AE 2411Y-2             | 14.14        | 1,116         | 327              | 270   | 1.21         | 4.15         | 1.3               | 12.2       | C.S.R.     | 36-43         | 330        | 8   | 450      | 216 |             |
| AE 2413Y-2             | 16.08        | 1,270         | 372              | 350   | 1.07         | 3.64         | 1.8               | 19.2       | C.S.R.     | 36-43         | 330        | 8   | 450      | 216 |             |
| MBP/CBP                | AZ A0387Y-2  | 3.80          | 860              | 252   | 164          | 1.54         | 5.24              | 1.1        | 6.0        | R.S.I.R.      | No         | No  | No       | No  | 168         |
|                        | AZ A0413YK-2 | 6.00          | 1,330            | 390   | 265          | 1.47         | 5.02              | 1.8        | 17.6       | R.S.I.R.      | No         | No  | No       | No  | 178         |
|                        | AZ A9413Y-2  | 6.00          | 1,366            | 400   | 265          | 1.51         | 5.16              | 2.0        | 12.0       | C.S.I.R.      | 36-43      | 330 | No       | No  | 178         |
|                        | AE 0412Y-2   | 5.99          | 1,260            | 370   | 230          | 1.61         | 5.50              | 1.4        | 12.8       | R.S.I.R.      | No         | No  | No       | No  | 189         |
|                        |              | 5.99          | 2,283            | 670   | 307          | 2.18         | 7.45              | 1.7        | 12.8       | R.S.I.R.      | No         | No  | No       | No  | 189         |
|                        | AE 7423Y-2   | 12.04         | 2,286            | 670   | 438          | 1.53         | 5.22              | 2.7        | 12.6       | C.S.I.R.      | 36-43      | 330 | No       | No  | 203         |
|                        | AE 7425Y-2   | 14.14         | 2,525            | 740   | 497          | 1.49         | 5.08              | 3.0        | 19.5       | C.S.I.R.      | 36-43      | 330 | No       | No  | 216         |
|                        | AE 7430Y-2   | 16.08         | 2,955            | 866   | 530          | 1.63         | 5.58              | 2.6        | 17.0       | C.S.R.        | 36-43      | 330 | 8        | 450 | 216         |
|                        | WJ 9440YK-2  | 21.55         | 3,950            | 1,158 | 680          | 1.70         | 5.81              | 3.2        | 19.4       | C.S.R.        | 88-106     | 330 | 20       | 440 | 264         |
|                        | WJ 9445YK-2  | 24.20         | 4,660            | 1,366 | 767          | 1.78         | 6.08              | 3.5        | 37.0       | C.S.R.        | 108-130    | 330 | 20       | 440 | 264         |
|                        | WJ 9450Y-2   | 26.75         | 5,500            | 1,612 | 850          | 1.90         | 6.47              | 4.1        | 32.0       | C.S.R.        | 108-130    | 330 | 15       | 425 | 264         |
|                        | WJ 9460YK-2  | 30.50         | 6,142            | 1,800 | 1,025        | 1.76         | 5.99              | 4.7        | 32.0       | C.S.R.        | 108-130    | 330 | 15       | 440 | 264         |
| MBP/HBP                | AE 9423Y-2   | 12.04         | 2,327            | 682   | 396          | 1.72         | 5.88              | 1.9        | 13.0       | C.S.R.        | 36-43      | 330 | 8        | 450 | 203         |
|                        |              | 12.04         | 4,333            | 1,270 | 560          | 2.27         | 7.74              | 2.6        | 13.0       | C.S.R.        | 36-43      | 330 | 8        | 450 | 203         |
|                        | AE 9437Y-2   | 18.00         | 3,430            | 1,005 | 635          | 1.58         | 5.40              | 3.0        | 16.7       | C.S.R.        | 36-43      | 330 | 10       | 440 | 214         |
|                        |              | 18.00         | 6,653            | 1,950 | 870          | 2.24         | 7.65              | 4.2        | 16.7       | C.S.R.        | 36-43      | 330 | 10       | 440 | 214         |
|                        | CA 9437Y-2   | 18.00         | 3,446            | 1,010 | 608          | 1.66         | 5.67              | 3.0        | 17.0       | C.S.R.        | 36-43      | 330 | 10       | 440 | 215         |
|                        |              | 18.00         | 6,653            | 1,950 | 848          | 2.30         | 7.85              | 4.0        | 17.0       | C.S.R.        | 36-43      | 330 | 10       | 440 | 215         |
|                        | CA 9440Y-2   | 20.00         | 3,900            | 1,143 | 700          | 1.63         | 5.57              | 3.3        | 20.0       | C.S.R.        | 43-52      | 330 | 10       | 440 | 215         |
|                        |              | 20.00         | 7,063            | 2,070 | 990          | 2.09         | 7.13              | 4.6        | 20.0       | C.S.R.        | 43-52      | 330 | 10       | 440 | 215         |
|                        | CA 9445Y-2   | 22.30         | 4,214            | 1,235 | 775          | 1.59         | 5.44              | 3.4        | 20.0       | C.S.R.        | 43-52      | 330 | 15       | 440 | 215         |
| 22.30                  |              | 7,626         | 2,235            | 1,080 | 2.07         | 7.06         | 4.8               | 20.0       | C.S.R.     | 43-52         | 330        | 15  | 440      | 215 |             |
| HBP                    | AZ A3414Y-2  | 3.80          | 1,518            | 445   | 215          | 2.07         | 7.06              | 1.2        | 6.0        | R.S.I.R.      | No         | No  | No       | No  | 168         |
|                        | AE 3417Y-2   | 5.68          | 1,945            | 570   | 295          | 1.93         | 6.59              | 1.7        | 11.6       | R.S.I.R.      | No         | No  | No       | No  | 189         |
|                        | AE 3425Y-2   | 7.57          | 2,764            | 810   | 392          | 2.07         | 7.05              | 2.3        | 12.5       | R.S.I.R.      | No         | No  | No       | No  | 189         |
|                        | AE 3430Y-2   | 8.86          | 3,207            | 940   | 460          | 2.04         | 6.96              | 2.8        | 18.5       | R.S.I.R.      | No         | No  | No       | No  | 202         |
|                        | AE 4425Y-2   | 7.57          | 2,753            | 807   | 390          | 2.07         | 7.06              | 2.3        | 12.6       | C.S.I.R.      | 36-43      | 330 | No       | No  | 189         |
|                        | AE 4430Y-2   | 8.86          | 3,207            | 940   | 475          | 1.98         | 6.75              | 2.8        | 15.6       | C.S.I.R.      | 36-43      | 330 | No       | No  | 202         |
|                        |              | 8.86          | 3,320            | 973   | 436          | 2.23         | 7.61              | 2.0        | 14.9       | C.S.R.        | 36-43      | 330 | 8        | 450 | 189         |
|                        | AE 4440Y-2   | 12.04         | 4,197            | 1,230 | 610          | 2.02         | 6.88              | 3.5        | 15.0       | C.S.I.R.      | 36-43      | 330 | No       | No  | 202         |
|                        |              | 12.04         | 4,400            | 1,290 | 533          | 2.42         | 8.26              | 2.4        | 12.0       | C.S.R.        | 36-43      | 330 | 10       | 440 | 202         |
|                        | AE 4448Y-2   | 14.14         | 4,784            | 1,402 | 627          | 2.24         | 7.63              | 3.0        | 15.9       | C.S.R.        | 36-43      | 330 | 10       | 440 | 212         |
|                        | AE 4459Y-2   | 16.08         | 5,613            | 1,645 | 774          | 2.13         | 7.25              | 3.6        | 18.0       | C.S.R.        | 36-43      | 330 | 15       | 440 | 212         |
|                        | WJ 4495Y-2   | 30.50         | 10,236           | 3,000 | 1,100        | 2.73         | 9.31              | 6.6        | 32.0       | C.S.R.        | 108-130    | 330 | 15       | 440 | 264         |
|                        | AW 4495YK-2  | 30.50         | 9,980            | 2,925 | 1,075        | 2.72         | 9.28              | 5.2        | 47.0       | C.S.R.        | 130-156    | 330 | 30       | 440 | 289         |
|                        | AW 4513YK-2  | 35.60         | 12,420           | 3,640 | 1,304        | 2.79         | 9.52              | 6.0        | 73.0       | C.S.R.        | 108-130    | 330 | 35       | 440 | 289         |
|                        | AW 4517YK-2  | 48.40         | 17,060           | 5,000 | 1,760        | 2.84         | 9.69              | 8.0        | 73.0       | C.S.R.        | 130-156    | 330 | 35       | 440 | 324         |

100V / 50Hz / 1Ph.

|         |              |       |       |       |     |      |      |     |      |          |         |     |    |     |     |
|---------|--------------|-------|-------|-------|-----|------|------|-----|------|----------|---------|-----|----|-----|-----|
| LBP     | AZ A1320Y-3  | 2.73  | 229   | 67    | 69  | 0.97 | 3.31 | 1.2 | 8.0  | R.S.I.R. | No      | No  | No | No  | 165 |
|         | AZ A1330Y-3  | 3.59  | 290   | 85    | 77  | 1.11 | 3.79 | 1.5 | 13.0 | R.S.I.R. | No      | No  | No | No  | 168 |
|         | AE 2360Y-3   | 6.91  | 597   | 175   | 155 | 1.13 | 3.85 | 2.0 | 16.9 | C.S.R.   | 36-43   | 250 | 15 | 440 | 189 |
|         | AE 2370Y-3   | 8.10  | 710   | 208   | 180 | 1.16 | 3.94 | 2.2 | 16.9 | C.S.R.   | 36-43   | 250 | 15 | 440 | 189 |
|         | AE 2390Y-3   | 9.42  | 820   | 240   | 196 | 1.22 | 4.18 | 2.7 | 27.1 | C.S.R.   | 108-130 | 250 | 15 | 440 | 189 |
| MBP/CBP | AZ A0413YK-3 | 6.00  | 1,143 | 335   | 240 | 1.40 | 4.76 | 4.3 | 26.4 | R.S.I.R. | No      | No  | No | No  | 178 |
| HBP     | AZ A3414Y-3  | 3.80  | 1,330 | 390   | 180 | 2.17 | 7.39 | 2.8 | 15.0 | R.S.I.R. | No      | No  | No | No  | 168 |
|         | AE 4425Y-3   | 7.57  | 2,395 | 702   | 356 | 1.97 | 6.73 | 5.8 | 25.8 | C.S.I.R. | 108-130 | 250 | No | No  | 189 |
|         | AE 4430Y-3   | 8.86  | 2,798 | 820   | 412 | 1.99 | 6.79 | 6.0 | 25.8 | C.S.I.R. | 108-130 | 250 | No | No  | 189 |
|         | AE 4440Y-3   | 12.04 | 3,668 | 1,075 | 560 | 1.92 | 6.55 | 8.0 | 37.0 | C.S.R.   | 130-156 | 330 | 35 | 440 | 202 |
|         | AE 4448Y-3   | 14.14 | 4,367 | 1,280 | 570 | 2.25 | 7.66 | 6.4 | 24.1 | C.S.R.   | 130-156 | 330 | 35 | 440 | 216 |

100V / 60Hz / 1Ph.

|         |              |       |       |       |     |      |      |     |      |          |         |     |    |     |     |
|---------|--------------|-------|-------|-------|-----|------|------|-----|------|----------|---------|-----|----|-----|-----|
| LBP     | AZ A1320Y-3  | 2.73  | 263   | 77    | 75  | 1.03 | 3.50 | 1.2 | 8.0  | R.S.I.R. | No      | No  | No | No  | 165 |
|         | AZ A1330Y-3  | 3.59  | 375   | 110   | 96  | 1.15 | 3.92 | 1.4 | 12.0 | R.S.I.R. | No      | No  | No | No  | 168 |
|         | AE 2360Y-3   | 6.91  | 682   | 200   | 183 | 1.09 | 3.73 | 1.9 | 14.8 | C.S.R.   | 36-43   | 250 | 15 | 440 | 189 |
|         | AE 2370Y-3   | 8.10  | 809   | 237   | 216 | 1.10 | 3.74 | 2.2 | 14.8 | C.S.R.   | 36-43   | 250 | 15 | 440 | 189 |
|         | AE 2390Y-3   | 9.42  | 955   | 280   | 230 | 1.22 | 4.15 | 2.5 | 23.3 | C.S.R.   | 108-130 | 250 | 15 | 440 | 189 |
| MBP/CBP | AZ A0413YK-3 | 6.00  | 1,330 | 390   | 256 | 1.52 | 5.20 | 3.7 | 24.2 | R.S.I.R. | No      | No  | No | No  | 178 |
| HBP     | AZ A3414Y-3  | 3.80  | 1,518 | 445   | 212 | 2.10 | 7.17 | 2.8 | 15.0 | R.S.I.R. | No      | No  | No | No  | 168 |
|         | AE 4425Y-3   | 7.57  | 2,832 | 830   | 393 | 2.11 | 7.21 | 5.2 | 24.0 | C.S.I.R. | 108-130 | 250 | No | No  | 189 |
|         | AE 4430Y-3   | 8.86  | 3,207 | 940   | 475 | 1.98 | 6.75 | 5.9 | 24.0 | C.S.I.R. | 108-130 | 250 | No | No  | 189 |
|         | AE 4440Y-3   | 12.04 | 4,248 | 1,245 | 620 | 2.01 | 6.85 | 7.7 | 37.0 | C.S.R.   | 130-156 | 330 | 35 | 440 | 202 |
|         | AE 4448Y-3   | 14.14 | 4,880 | 1,430 | 695 | 2.06 | 7.02 | 7.0 | 23.0 | C.S.R.   | 130-156 | 330 | 35 | 440 | 216 |



| App.              | Model        | Disp.<br>(cc) | Cooling Capacity |       | Input<br>(W) | COP<br>(W/W) | EER<br>(BTU/W-Hr) | RLA<br>(A) | LRA<br>(A) | Motor<br>Type | Start CAP. |     | Run CAP. |     | Dim.<br>"A" |
|-------------------|--------------|---------------|------------------|-------|--------------|--------------|-------------------|------------|------------|---------------|------------|-----|----------|-----|-------------|
|                   |              |               | (BTU/Hr)         | (W)   |              |              |                   |            |            |               | MFD        | VAC | MFD      | VAC |             |
| 110V / 60Hz / 1Ph |              |               |                  |       |              |              |                   |            |            |               |            |     |          |     |             |
| LBP               | AZ A1320Y-4  | 2.86          | 273              | 80    | 78           | 1.03         | 3.46              | 1.2        | 11.0       | R.S.I.R..     | No         | No  | No       | No  | 159         |
|                   | AZ A1330YK-4 | 3.59          | 314              | 92    | 85           | 1.08         | 3.69              | 1.2        | 12.5       | R.S.I.R..     | No         | No  | No       | No  | 168         |
|                   | AZ A1335YK-4 | 3.80          | 392              | 115   | 104          | 1.11         | 3.77              | 1.8        | 15.6       | R.S.I.R..     | No         | No  | No       | No  | 168         |
|                   |              | 3.80          | 392              | 115   | 97           | 1.19         | 4.05              | 1.6        | 15.8       | R.S.C.R..     | No         | No  | 4        | 440 | 168         |
|                   | AZ A1340YK-4 | 4.00          | 437              | 128   | 112          | 1.14         | 3.90              | 1.7        | 15.0       | R.S.I.R..     | No         | No  | No       | No  | 168         |
|                   | AZ A1360YK-4 | 5.59          | 614              | 180   | 155          | 1.16         | 3.96              | 2.7        | 26.0       | R.S.I.R..     | No         | No  | No       | No  | 178         |
|                   | AZ A2360YK-4 | 5.59          | 630              | 185   | 155          | 1.19         | 4.07              | 2.7        | 18.0       | C.S.I.R..     | 108-130    | 250 | No       | No  | 178         |
| AE 2411Y-4        | 14.14        | 1,110         | 325              | 275   | 1.18         | 4.04         | 2.8               | 28.0       | C.S.R.     | 108-130       | 250        | 15  | 440      | 216 |             |
| MBP               | AE 7423Y-4   | 12.04         | 2,286            | 670   | 435          | 1.54         | 5.26              | 5.1        | 24.6       | C.S.I.R..     | 108-130    | 250 | No       | No  | 203         |
| HBP               | AZ A3414Y-4  | 3.80          | 1,518            | 445   | 215          | 2.07         | 7.06              | 2.8        | 15.0       | R.S.I.R..     | No         | No  | No       | No  | 168         |
|                   | AE 4425Y-4   | 7.57          | 2,790            | 818   | 410          | 2.00         | 6.81              | 5.3        | 24.4       | C.S.I.R..     | 108-130    | 250 | No       | No  | 189         |
|                   | AE 4430Y-4   | 8.86          | 3,272            | 960   | 490          | 1.96         | 6.68              | 5.9        | 29.9       | C.S.I.R..     | 108-130    | 250 | No       | No  | 189         |
|                   |              | 8.86          | 3,293            | 965   | 432          | 2.23         | 7.62              | 3.9        | 23.0       | C.S.R.        | 108-130    | 250 | 30       | 440 | 189         |
|                   | AE 4440Y-4   | 12.04         | 4,333            | 1,270 | 560          | 2.27         | 7.74              | 5.1        | 14.0       | C.S.R.        | 108-130    | 250 | 30       | 440 | 203         |
|                   | AE 4448Y-4   | 14.14         | 4,947            | 1,450 | 652          | 2.22         | 7.59              | 6.5        | 32.2       | C.S.R.        | 108-130    | 250 | 20       | 440 | 216         |

|                   |              |      |     |     |     |      |      |     |      |           |    |    |    |    |     |
|-------------------|--------------|------|-----|-----|-----|------|------|-----|------|-----------|----|----|----|----|-----|
| 127V / 60Hz / 1Ph |              |      |     |     |     |      |      |     |      |           |    |    |    |    |     |
| LBP               | AZ A1320Y-5  | 2.73 | 263 | 77  | 75  | 1.03 | 3.50 | 1.4 | 10.0 | R.S.I.R.. | No | No | No | No | 162 |
|                   | AZ A1330Y-5  | 3.59 | 375 | 110 | 101 | 1.09 | 3.72 | 1.5 | 15.0 | R.S.I.R.. | No | No | No | No | 168 |
|                   | AZ A1335YK-5 | 3.80 | 392 | 115 | 104 | 1.11 | 3.77 | 1.4 | 14.1 | R.S.I.R.. | No | No | No | No | 168 |

|                       |              |       |       |       |     |      |      |     |      |           |       |     |    |     |     |
|-----------------------|--------------|-------|-------|-------|-----|------|------|-----|------|-----------|-------|-----|----|-----|-----|
| 220-240V / 50Hz / 1Ph |              |       |       |       |     |      |      |     |      |           |       |     |    |     |     |
| LBP                   | AZ A1330Y-6  | 3.59  | 307   | 90    | 97  | 0.93 | 3.17 | 1.0 | 11.0 | R.S.I.R.. | No    | No  | No | No  | 168 |
|                       | AZ A1335Y-6  | 3.80  | 328   | 96    | 100 | 0.96 | 3.28 | 1.0 | 9.0  | R.S.I.R.. | No    | No  | No | No  | 168 |
|                       | AZ A1350Y-6  | 5.00  | 457   | 134   | 109 | 1.23 | 4.19 | 0.8 | 9.0  | R.S.I.R.. | No    | No  | No | No  | 178 |
|                       | AZ A1360Y-6  | 5.59  | 495   | 145   | 121 | 1.20 | 4.09 | 1.0 | 8.0  | R.S.I.R.. | No    | No  | No | No  | 178 |
|                       | AZ A 1370Y-6 | 6.00  | 563   | 165   | 150 | 1.10 | 3.75 | 1.0 | 12.0 | R.S.C.R.. | No    | No  | 4  | 440 | 178 |
|                       | AE 1390Y-6   | 9.42  | 870   | 255   | 203 | 1.26 | 4.29 | 1.6 | 16.5 | R.S.I.R.. | No    | No  | No | No  | 202 |
| MBP/CBP               | AZ A0411Y-6  | 5.00  | 972   | 285   | 178 | 1.60 | 5.46 | 1.4 | 16.0 | R.S.I.R.. | No    | No  | No | No  | 178 |
|                       | AZ A9387Y-6  | 3.80  | 734   | 215   | 143 | 1.50 | 5.13 | 1.1 | 6.0  | C.S.I.R.. | 36-43 | 330 | No | No  | 168 |
|                       | AZ A9411Y-6  | 5.00  | 972   | 285   | 178 | 1.60 | 5.46 | 1.4 | 8.0  | C.S.I.R.. | 36-43 | 330 | No | No  | 178 |
|                       | AE 7415Y-6   | 7.57  | 1,249 | 366   | 260 | 1.41 | 4.80 | 1.8 | 12.0 | C.S.I.R.. | 36-43 | 330 | No | No  | 188 |
|                       | AE 7423Y-6   | 12.04 | 1,958 | 574   | 361 | 1.59 | 5.43 | 2.3 | 18.5 | C.S.R.    | 36-43 | 330 | 4  | 440 | 202 |
|                       | AE 7430Y-6   | 16.08 | 2,463 | 722   | 450 | 1.60 | 5.47 | 2.8 | 17.0 | C.S.R.    | 36-43 | 330 | 8  | 450 | 216 |
|                       | CA 9445Y-6   | 22.30 | 6,824 | 2,000 | 966 | 2.07 | 7.06 | 5.0 | 20.0 | C.S.R.    | 43-52 | 330 | 15 | 450 | 215 |
| HBP                   | AZ A3417Y-6  | 5.00  | 1,706 | 500   | 233 | 2.15 | 7.32 | 1.6 | 16.0 | R.S.I.R.. | No    | No  | No | No  | 178 |
|                       | AZ A4417Y-6  | 5.00  | 1,706 | 500   | 233 | 2.15 | 7.32 | 1.6 | 8.0  | C.S.I.R.. | 36-43 | 330 | No | No  | 178 |
|                       | AE 3425Y-6   | 7.57  | 2,423 | 710   | 343 | 2.07 | 7.06 | 2.5 | 17.5 | R.S.I.R.. | No    | No  | No | No  | 189 |
|                       | AE 4425Y-6   | 7.57  | 2,388 | 700   | 327 | 2.14 | 7.30 | 2.2 | 11.0 | C.S.I.R.. | 36-43 | 330 | No | No  | 183 |
|                       | AE 4430Y-6   | 8.86  | 2,695 | 790   | 320 | 2.47 | 8.42 | 1.8 | 10.0 | C.S.R.    | 36-43 | 330 | 10 | 450 | 183 |
|                       | AE 4435Y-6   | 9.42  | 3,071 | 900   | 370 | 2.43 | 8.30 | 2.2 | 12.0 | C.S.R.    | 36-43 | 330 | 10 | 450 | 183 |
|                       | AE 4440Y-6   | 12.04 | 3,668 | 1,075 | 456 | 2.36 | 8.04 | 2.2 | 10.7 | C.S.R.    | 36-43 | 330 | 8  | 450 | 202 |
|                       | AE 4448Y-6   | 14.14 | 4,450 | 1,304 | 574 | 2.27 | 7.75 | 3.2 | 19.0 | C.S.R.    | 36-43 | 330 | 10 | 440 | 216 |
|                       | AE 4459Y-6   | 16.08 | 4,947 | 1,450 | 615 | 2.36 | 8.04 | 3.0 | 18.0 | C.S.R.    | 43-52 | 330 | 20 | 440 | 216 |
|                       |              |       |       |       |     |      |      |     |      |           |       |     |    |     |     |

|                       |              |       |       |       |       |      |      |     |      |           |       |     |    |     |     |
|-----------------------|--------------|-------|-------|-------|-------|------|------|-----|------|-----------|-------|-----|----|-----|-----|
| 208-230V / 60Hz / 1Ph |              |       |       |       |       |      |      |     |      |           |       |     |    |     |     |
| LBP                   | AZ A1330Y-6  | 3.59  | 375   | 110   | 105   | 1.05 | 3.57 | 0.8 | 12.0 | R.S.I.R.. | No    | No  | No | No  | 168 |
|                       | AZ A1335Y-6  | 3.80  | 392   | 115   | 108   | 1.06 | 3.63 | 0.9 | 8.0  | R.S.I.R.. | No    | No  | No | No  | 168 |
|                       | AZ A1350Y-6  | 5.00  | 512   | 150   | 125   | 1.20 | 4.09 | 0.8 | 9.0  | R.S.I.R.. | No    | No  | No | No  | 178 |
|                       | AZ A1360Y-6  | 5.59  | 580   | 170   | 135   | 1.26 | 4.30 | 0.9 | 9.0  | R.S.I.R.. | No    | No  | No | No  | 178 |
|                       | AZ A 1370Y-6 | 6.00  | 665   | 195   | 153   | 1.27 | 4.35 | 0.9 | 11.0 | R.S.C.R.. | No    | No  | 4  | 440 | 178 |
|                       | AE 1390Y-6   | 9.42  | 1,013 | 297   | 236   | 1.26 | 4.29 | 1.5 | 15.0 | R.S.I.R.. | No    | No  | No | No  | 202 |
| MBP/CBP               | AZ A0411Y-6  | 5.00  | 1,109 | 325   | 203   | 1.60 | 5.46 | 1.3 | 16.0 | R.S.I.R.. | No    | No  | No | No  | 178 |
|                       | AZ A9387Y-6  | 3.80  | 880   | 258   | 165   | 1.56 | 5.34 | 1.1 | 6.0  | C.S.I.R.. | 36-43 | 330 | No | No  | 168 |
|                       | AZ A9411Y-6  | 5.00  | 1,109 | 325   | 203   | 1.60 | 5.46 | 1.3 | 7.0  | C.S.I.R.. | 36-43 | 330 | No | No  | 178 |
|                       | AE 7415Y-6   | 7.57  | 1,450 | 425   | 283   | 1.50 | 5.12 | 1.6 | 11.0 | C.S.I.R.. | 36-43 | 330 | No | No  | 188 |
|                       | AE 7423Y-6   | 12.04 | 2,286 | 670   | 438   | 1.53 | 5.22 | 2.7 | 12.6 | C.S.R.    | 36-43 | 330 | 4  | 440 | 202 |
|                       | AE 7430Y-6   | 16.08 | 2,955 | 866   | 530   | 1.63 | 5.58 | 2.5 | 16.0 | C.S.R.    | 36-43 | 330 | 8  | 450 | 215 |
|                       | CA 9445Y-6   | 22.30 | 7,626 | 2,235 | 1,080 | 2.07 | 7.06 | 4.8 | 20.0 | C.S.R.    | 43-52 | 330 | 15 | 450 | 215 |
| HBP                   | AZ A3417Y-6  | 5.00  | 2,047 | 600   | 293   | 2.05 | 6.99 | 1.7 | 16.0 | R.S.I.R.. | No    | No  | No | No  | 178 |
|                       | AZ A4417Y-6  | 5.00  | 2,047 | 600   | 293   | 2.05 | 6.99 | 1.7 | 7.0  | C.S.I.R.. | 36-43 | 330 | No | No  | 178 |
|                       | AE 3425Y-6   | 7.57  | 2,850 | 835   | 396   | 2.11 | 7.19 | 2.4 | 16.7 | R.S.I.R.. | No    | No  | No | No  | 189 |
|                       | AE 4425Y-6   | 7.57  | 2,800 | 821   | 405   | 2.03 | 6.92 | 2.3 | 10.0 | C.S.I.R.. | 36-43 | 330 | No | No  | 183 |
|                       | AE 4430Y-6   | 8.86  | 3,276 | 960   | 390   | 2.46 | 8.40 | 2.0 | 9.0  | C.S.R.    | 36-43 | 330 | 10 | 450 | 183 |
|                       | AE 4435Y-6   | 9.42  | 3,583 | 1,050 | 435   | 2.41 | 8.24 | 2.4 | 11.0 | C.S.R.    | 36-43 | 330 | 10 | 450 | 183 |
|                       | AE 4440Y-6   | 12.04 | 4,357 | 1,277 | 550   | 2.32 | 7.92 | 2.5 | 11.2 | C.S.R.    | 36-43 | 330 | 8  | 450 | 202 |
|                       | AE 4448Y-6   | 14.14 | 4,780 | 1,401 | 627   | 2.23 | 7.62 | 2.9 | 16.0 | C.S.R.    | 36-43 | 330 | 10 | 440 | 216 |
|                       | AE 4459Y-6   | 16.08 | 5,630 | 1,650 | 750   | 2.20 | 7.51 | 3.5 | 16.0 | C.S.R.    | 43-52 | 330 | 20 | 440 | 216 |
|                       |              |       |       |       |       |      |      |     |      |           |       |     |    |     |     |

|                       |            |       |        |       |       |      |       |     |      |         |    |    |    |    |     |
|-----------------------|------------|-------|--------|-------|-------|------|-------|-----|------|---------|----|----|----|----|-----|
| 380-420V / 50Hz / 3Ph |            |       |        |       |       |      |       |     |      |         |    |    |    |    |     |
| MBP                   | AW 7514YXG | 71.00 | 11,500 | 3,370 | 1,630 | 2.07 | 7.06  | 3.3 | 40.0 | 3 PHASE | No | No | No | No | 324 |
| HBP                   | WJ 4512YXG | 34.50 | 11,860 | 3,476 | 1,350 | 2.57 | 8.79  | 2.5 | 24.0 | 3 PHASE | No | No | No | No | 264 |
|                       | AW 4520YXG | 53.50 | 18,260 | 5,352 | 1,575 | 3.40 | 11.59 | 3.1 | 30.0 | 3 PHASE | No | No | No | No | 324 |
|                       | AW 4528YXG | 71.00 | 23,200 | 6,800 | 2,255 | 3.02 | 10.29 | 4.1 | 40.0 | 3 PHASE | No | No | No | No | 324 |

|                       |            |       |        |       |       |      |       |     |      |         |    |    |    |    |     |
|-----------------------|------------|-------|--------|-------|-------|------|-------|-----|------|---------|----|----|----|----|-----|
| 440-460V / 60Hz / 3Ph |            |       |        |       |       |      |       |     |      |         |    |    |    |    |     |
| MBP                   | AW 7514YXG | 71.00 | 14,100 | 4,132 | 1,995 | 2.07 | 7.07  | 3.3 | 40.0 | 3 PHASE | No | No | No | No | 324 |
| HBP                   | WJ 4512YXG | 34.50 | 13,820 | 4,050 | 1,650 | 2.45 | 8.38  | 2.5 | 24.0 | 3 PHASE | No | No | No | No | 264 |
|                       | AW 4520YXG | 53.50 | 21,270 | 6,234 | 1,850 | 3.37 | 11.50 | 3.2 | 30.0 | 3 PHASE | No | No | No | No | 324 |
|                       | AW 4528YXG | 71.00 | 27,980 | 8,200 | 2,750 | 2.98 | 10.10 | 4.1 | 40.0 | 3 PHASE | No | No | No | No | 324 |



| App.  | Model     | Disp.<br>(cc) | Cooling Capacity       |     | Input<br>(W) | COP<br>(W/W) | EER.<br>(BTU/W-Hr) | RLA<br>(A) | LRA<br>(A) | Motor<br>Type | Start CAP. |     | Run CAP. |     | Dim.<br>"A" |
|-------|-----------|---------------|------------------------|-----|--------------|--------------|--------------------|------------|------------|---------------|------------|-----|----------|-----|-------------|
|       |           |               | (BTU/Hr)               | (W) |              |              |                    |            |            |               | MFD        | VAC | MFD      | VAC |             |
| R600a |           |               | 220-240V / 50Hz / 1Ph. |     |              |              |                    |            |            |               |            |     |          |     |             |
| LBP   | AZ A1320M | 3.80          | 188                    | 55  | 42           | 1.31         | 4.47               | 0.2        | 5.0        | R.S.C.R.      | No         | No  | 3        | 450 | 168         |
|       | AZ A1327M | 4.00          | 222                    | 65  | 46           | 1.41         | 4.82               | 0.2        | 5.0        | R.S.C.R.      | No         | No  | 3        | 450 | 168         |
|       | AZ A1330M | 5.00          | 239                    | 70  | 50           | 1.40         | 4.78               | 0.3        | 5.0        | R.S.C.R.      | No         | No  | 4        | 450 | 168         |
|       | AZ A1335M | 5.60          | 290                    | 85  | 67           | 1.27         | 4.33               | 0.3        | 6.0        | R.S.C.R.      | No         | No  | 4        | 440 | 172         |
|       | AZ A1340M | 6.00          | 324                    | 95  | 64           | 1.48         | 5.06               | 0.3        | 6.8        | R.S.C.R.      | No         | No  | 4        | 440 | 172         |
|       | AE 1340M  | 6.91          | 382                    | 112 | 78           | 1.44         | 4.89               | 0.4        | 7.0        | R.S.C.R.      | No         | No  | 4        | 440 | 184         |
|       | AE 1350M  | 8.10          | 450                    | 132 | 90           | 1.47         | 5.00               | 0.4        | 7.0        | R.S.C.R.      | No         | No  | 5        | 450 | 184         |
|       | AE 1360M  | 9.42          | 545                    | 160 | 110          | 1.46         | 4.98               | 0.5        | 9.0        | R.S.C.R.      | No         | No  | 4        | 440 | 184         |
|       | BA 1390M  | 14.14         | 810                    | 235 | 145          | 1.62         | 5.53               | 0.7        | 7.0        | R.S.C.R.      | No         | No  | 5        | 450 | 202         |
| MBP   | AZ A9430M | 4.00          | 427                    | 125 | 76           | 1.64         | 5.61               | 0.5        | 8.0        | R.S.I.R.      | No         | No  | No       | No  | 168         |
| HBP   | AE 3414M  | 7.57          | 1,365                  | 400 | 165          | 2.42         | 8.27               | 1.2        | 10.0       | R.S.I.R.      | No         | No  | No       | No  | 184         |
|       | AE 4430M  | 14.14         | 2,559                  | 750 | 296          | 2.53         | 8.65               | 1.9        | 9.5        | C.S.I.R.      | 36-43      | 330 | No       | No  | 202         |

**115V / 60Hz / 1Ph.**

|     |             |      |     |     |     |      |      |     |      |          |    |    |    |     |     |
|-----|-------------|------|-----|-----|-----|------|------|-----|------|----------|----|----|----|-----|-----|
| LBP | AZ A1320M-1 | 3.80 | 222 | 65  | 64  | 1.02 | 3.47 | 1.1 | 11.0 | R.S.I.R. | No | No | No | No  | 159 |
|     | AZ A1327M-1 | 4.00 | 238 | 70  | 68  | 1.03 | 3.49 | 1.3 | 16.0 | R.S.I.R. | No | No | No | No  | 168 |
|     | AZ A1330M-1 | 5.00 | 290 | 85  | 80  | 1.06 | 3.63 | 1.3 | 12.0 | R.S.I.R. | No | No | No | No  | 168 |
|     | AZ A1340M-1 | 6.00 | 392 | 115 | 75  | 1.53 | 5.23 | 0.7 | 8.0  | R.S.C.R. | No | No | 8  | 450 | 172 |
|     | AE 1360M-1  | 9.42 | 630 | 185 | 126 | 1.47 | 5.01 | 1.3 | 12.0 | R.S.C.R. | No | No | 8  | 450 | 176 |

**208-230V / 60Hz / 1Ph.**

|     |             |      |     |     |     |      |      |     |     |          |    |    |   |     |     |
|-----|-------------|------|-----|-----|-----|------|------|-----|-----|----------|----|----|---|-----|-----|
| LBP | AZ A1340M-2 | 6.00 | 392 | 115 | 76  | 1.51 | 5.16 | 0.4 | 7.0 | R.S.C.R. | No | No | 4 | 440 | 172 |
|     | AE 1360M-2  | 9.42 | 631 | 185 | 128 | 1.45 | 4.93 | 0.6 | 9.0 | R.S.C.R. | No | No | 4 | 450 | 176 |

**100V / 50Hz / 1Ph.**

|     |              |      |     |     |     |      |      |     |      |          |    |    |    |     |     |
|-----|--------------|------|-----|-----|-----|------|------|-----|------|----------|----|----|----|-----|-----|
| LBP | AZ A 1340M-3 | 6.00 | 324 | 95  | 66  | 1.44 | 4.91 | 0.8 | 9.0  | R.S.C.R. | No | No | 10 | 450 | 178 |
|     | AE 1350M-3   | 8.10 | 444 | 130 | 102 | 1.27 | 4.35 | 1.8 | 14.0 | R.S.I.R. | No | No | No | No  | 184 |

**100V / 60Hz / 1Ph.**

|     |              |      |     |     |     |      |      |     |      |          |    |    |    |     |     |
|-----|--------------|------|-----|-----|-----|------|------|-----|------|----------|----|----|----|-----|-----|
| LBP | AZ A 1340M-3 | 6.00 | 392 | 115 | 77  | 1.49 | 5.10 | 0.8 | 9.0  | R.S.C.R. | No | No | 10 | 450 | 178 |
|     | AE 1350M-3   | 8.10 | 512 | 150 | 115 | 1.30 | 4.45 | 1.7 | 13.0 | R.S.I.R. | No | No | No | No  | 184 |

| App.    | Model     | Disp.<br>(cc) | Cooling Capacity       |       | Input<br>(W) | COP<br>(W/W) | EER.<br>(BTU/W-Hr) | RLA<br>(A) | LRA<br>(A) | Motor<br>Type | Start CAP. |     | Run CAP. |     | Dim.<br>"A" |
|---------|-----------|---------------|------------------------|-------|--------------|--------------|--------------------|------------|------------|---------------|------------|-----|----------|-----|-------------|
|         |           |               | (BTU/Hr)               | (W)   |              |              |                    |            |            |               | MFD        | VAC | MFD      | VAC |             |
| R290    |           |               | 220-240V / 50Hz / 1Ph. |       |              |              |                    |            |            |               |            |     |          |     |             |
| LBP     | AZ A2410N | 5.59          | 887                    | 260   | 186          | 1.40         | 4.77               | 1.3        | 8.0        | C.S.I.R.      | 36-43      | 330 | No       | No  | 178         |
|         | AZ A2413N | 6.00          | 1,007                  | 295   | 210          | 1.40         | 4.77               | 1.4        | 7.0        | C.S.I.R.      | 36-43      | 330 | No       | No  | 178         |
|         | AE 2417N  | 9.42          | 1,518                  | 445   | 343          | 1.30         | 4.43               | 2.2        | 10.0       | C.S.I.R.      | 36-43      | 330 | No       | No  | 184         |
|         | CA 2435N  | 22.30         | 2,914                  | 854   | 733          | 1.17         | 3.98               | 4.2        | 23.0       | C.S.R.        | 88-106     | 330 | 20       | 440 | 215         |
|         | WJ 2450N  | 30.50         | 3,770                  | 1,105 | 814          | 1.36         | 4.63               | 4.4        | 35.0       | C.S.R.        | 145-174    | 330 | 25       | 440 | 264         |
| MBP/CBP | AE 9415N  | 5.48          | 1,296                  | 380   | 253          | 1.50         | 5.12               | 1.8        | 12.0       | C.S.I.R.      | 36-43      | 250 | No       | No  | 188         |
|         | AE 9422N  | 7.57          | 1,842                  | 540   | 348          | 1.55         | 5.29               | 2.2        | 12.0       | C.S.I.R.      | 36-43      | 330 | No       | No  | 188         |
|         | AE 9426N  | 8.86          | 2,218                  | 650   | 394          | 1.65         | 5.63               | 2.5        | 13.0       | C.S.I.R.      | 36-43      | 330 | No       | No  | 196         |
|         | AE 9435N  | 12.04         | 2,968                  | 870   | 483          | 1.80         | 6.15               | 2.3        | 13.0       | C.S.R.        | 36-43      | 330 | 8        | 450 | 212         |
|         | AE 9440N  | 14.14         | 3,583                  | 1,050 | 583          | 1.80         | 6.15               | 2.7        | 13.0       | C.S.R.        | 36-43      | 330 | 12       | 440 | 212         |
|         | AE 9445N  | 16.08         | 4,026                  | 1,180 | 715          | 1.65         | 5.63               | 3.3        | 16.0       | C.S.R.        | 36-43      | 330 | 15       | 440 | 212         |
|         | AE 9450N  | 18.00         | 4,640                  | 1,360 | 777          | 1.75         | 5.97               | 3.9        | 21.0       | C.S.R.        | 36-43      | 330 | 15       | 440 | 217         |

**115V / 60Hz / 1Ph.**

|         |            |       |       |       |       |      |      |      |       |          |         |     |    |     |     |
|---------|------------|-------|-------|-------|-------|------|------|------|-------|----------|---------|-----|----|-----|-----|
| LBP     | WJ 2450N-1 | 30.50 | 4,790 | 1,404 | 1,030 | 1.36 | 4.65 | 12.5 | 123.0 | C.S.R.   | 243-292 | 250 | 40 | 440 | 264 |
| MBP/CBP | AE 9422N-1 | 7.57  | 2,218 | 650   | 410   | 1.59 | 5.41 | 6.3  | 30.0  | C.S.I.R. | 108-130 | 250 | No | No  | 188 |
|         | AE 9426N-1 | 8.86  | 2,678 | 785   | 523   | 1.50 | 5.12 | 4.8  | 32.0  | C.S.R.   | 108-130 | 250 | 20 | 440 | 196 |
|         | AE 9440N-1 | 14.14 | 4,265 | 1,250 | 740   | 1.69 | 5.76 | 6.6  | 40.0  | C.S.R.   | 130-156 | 330 | 25 | 440 | 217 |

**208-230V / 60Hz / 1Ph.**

|         |            |       |       |       |       |      |      |     |      |          |         |     |    |     |     |
|---------|------------|-------|-------|-------|-------|------|------|-----|------|----------|---------|-----|----|-----|-----|
| LBP     | WJ 2450N-2 | 30.50 | 4,800 | 1,407 | 1,080 | 1.30 | 4.44 | 5.3 | 47.0 | C.S.R.   | 145-174 | 330 | 30 | 440 | 264 |
| MBP/CBP | AE 9422N-2 | 7.57  | 2,218 | 650   | 410   | 1.59 | 5.41 | 2.6 | 16.0 | C.S.I.R. | 43-52   | 330 | No | No  | 188 |
|         | AE 9426N-2 | 8.86  | 2,730 | 800   | 490   | 1.63 | 5.57 | 3.1 | 17.0 | C.S.I.R. | 43-52   | 330 | No | No  | 196 |
|         | AE 9440N-2 | 14.14 | 4,400 | 1,290 | 735   | 1.75 | 5.99 | 3.3 | 17.0 | C.S.R.   | 43-52   | 330 | 15 | 440 | 212 |

**220V / 50Hz / 1Ph.**

|         |             |      |       |     |     |      |      |     |      |          |    |    |    |    |     |
|---------|-------------|------|-------|-----|-----|------|------|-----|------|----------|----|----|----|----|-----|
| MBP/CBP | AZ A0413N-6 | 4.00 | 1,160 | 340 | 194 | 1.75 | 5.98 | 1.5 | 18.0 | R.S.I.R. | No | No | No | No | 178 |
|---------|-------------|------|-------|-----|-----|------|------|-----|------|----------|----|----|----|----|-----|

**220V / 60Hz / 1Ph.**

|         |             |      |       |     |     |      |      |     |      |          |    |    |    |    |     |
|---------|-------------|------|-------|-----|-----|------|------|-----|------|----------|----|----|----|----|-----|
| MBP/CBP | AZ A0413N-6 | 4.00 | 1,365 | 400 | 229 | 1.75 | 5.96 | 1.5 | 18.0 | R.S.I.R. | No | No | No | No | 178 |
|---------|-------------|------|-------|-----|-----|------|------|-----|------|----------|----|----|----|----|-----|



| App.       | Model     | Disp.<br>(cc) | Cooling Capacity       |       | Input<br>(W) | COP<br>(W/W) | EER.<br>(BTU/W-Hr) | RLA<br>(A) | LRA<br>(A) | Motor<br>Type | Start CAP. |        | Run CAP. |     | Dim.<br>"A" |
|------------|-----------|---------------|------------------------|-------|--------------|--------------|--------------------|------------|------------|---------------|------------|--------|----------|-----|-------------|
|            |           |               | (BTU/Hr)               | (W)   |              |              |                    |            |            |               | MFD        | VAC    | MFD      | VAC |             |
| R404A/R507 |           |               | 220-240V / 50Hz / 1Ph. |       |              |              |                    |            |            |               |            |        |          |     |             |
| LBP        | AZ A2360Z | 3.60          | 540                    | 158   | 150          | 1.06         | 3.60               | 1.0        | 6.2        | C.S.I.R.      | 36-43      | 330    | No       | No  | 172         |
|            | AZ A2370Z | 4.00          | 648                    | 190   | 172          | 1.10         | 3.77               | 1.2        | 7.0        | C.S.I.R.      | 36-43      | 330    | No       | No  | 172         |
|            | AZ A2410Z | 5.59          | 955                    | 280   | 233          | 1.20         | 4.10               | 1.4        | 8.0        | C.S.I.R.      | 43-52      | 330    | No       | No  | 178         |
|            | AE 2410ZK | 5.59          | 920                    | 270   | 239          | 1.13         | 3.85               | 1.5        | 9.2        | C.S.I.R.      | 36-43      | 330    | No       | No  | 189         |
|            |           | 5.59          | 970                    | 284   | 213          | 1.33         | 4.55               | 1.0        | 11.2       | C.S.R.        | 36-43      | 330    | 5        | 450 | 189         |
|            | AE 2413ZK | 6.91          | 1,110                  | 325   | 284          | 1.14         | 3.90               | 2.0        | 11.1       | C.S.I.R.      | 36-43      | 330    | No       | No  | 189         |
|            |           | 8.86          | 1,400                  | 410   | 352          | 1.16         | 3.97               | 2.3        | 13.2       | C.S.I.R.      | 36-43      | 330    | No       | No  | 189         |
|            | AE 2416ZK | 8.10          | 1,400                  | 410   | 303          | 1.35         | 4.62               | 1.4        | 12.0       | C.S.R.        | 36-43      | 330    | 8        | 450 | 189         |
|            |           | 12.04         | 1,638                  | 480   | 356          | 1.35         | 4.60               | 1.8        | 10.7       | C.S.R.        | 36-43      | 330    | 8        | 450 | 203         |
|            | AE 2425ZK | 14.14         | 2,092                  | 613   | 488          | 1.26         | 4.29               | 2.7        | 16.3       | C.S.R.        | 36-43      | 330    | 8        | 450 | 216         |
|            | AE 2428ZK | 16.08         | 2,388                  | 700   | 560          | 1.25         | 4.27               | 2.9        | 15.7       | C.S.R.        | 43-52      | 330    | 8        | 450 | 216         |
|            | AE 2432ZK | 18.00         | 2,640                  | 774   | 660          | 1.17         | 4.00               | 3.3        | 21.0       | C.S.R.        | 36-43      | 330    | 15       | 440 | 214         |
|            | CA 2432Z  | 18.00         | 2,641                  | 774   | 624          | 1.24         | 4.23               | 3.2        | 21.0       | C.S.R.        | 43-52      | 330    | 15       | 440 | 215         |
|            | CA 2435Z  | 20.00         | 3,155                  | 925   | 740          | 1.25         | 4.26               | 4.2        | 21.0       | C.S.R.        | 43-52      | 330    | 15       | 440 | 215         |
|            | CA 2440Z  | 22.30         | 3,480                  | 1,020 | 864          | 1.18         | 4.03               | 4.5        | 23.0       | C.S.R.        | 108-130    | 330    | 20       | 440 | 215         |
|            | WJ 2430ZK | 19.80         | 2,400                  | 703   | 550          | 1.28         | 4.36               | 2.6        | 30.0       | C.S.R.        | 108-130    | 330    | 20       | 440 | 264         |
|            | WJ 2435ZK | 21.50         | 2,900                  | 850   | 637          | 1.33         | 4.55               | 2.7        | 30.0       | C.S.R.        | 108-130    | 330    | 20       | 440 | 264         |
|            | WJ 2440ZK | 24.20         | 3,300                  | 967   | 731          | 1.32         | 4.51               | 3.3        | 30.0       | C.S.R.        | 145-174    | 330    | 25       | 440 | 264         |
|            | WJ 2450ZK | 26.75         | 3,800                  | 1,114 | 865          | 1.29         | 4.39               | 4.5        | 34.0       | C.S.R.        | 145-174    | 330    | 25       | 440 | 264         |
|            | WJ 2455ZK | 30.50         | 4,702                  | 1,378 | 1,050        | 1.31         | 4.48               | 4.9        | 35.0       | C.S.R.        | 145-174    | 330    | 25       | 440 | 264         |
|            | WJ 2460Z  | 34.50         | 5,460                  | 1,600 | 1,143        | 1.40         | 4.78               | 5.5        | 35.0       | C.S.R.        | 145-174    | 330    | 30       | 425 | 264         |
|            | AW 2450ZK | 37.50         | 4,245                  | 1,244 | 929          | 1.34         | 4.57               | 4.4        | 32.0       | C.S.R.        | 108-130    | 330    | 15       | 440 | 289         |
|            | AW 2462ZK | 39.60         | 5,203                  | 1,525 | 1,116        | 1.37         | 4.66               | 5.1        | 32.0       | C.S.R.        | 108-130    | 330    | 20       | 440 | 289         |
|            | AW 2464ZK | 43.10         | 5,390                  | 1,580 | 1,280        | 1.23         | 4.21               | 6.9        | 43.0       | C.S.R.        | 130-156    | 330    | 30       | 440 | 289         |
|            | AW 2495ZK | 53.50         | 7,923                  | 2,322 | 1,613        | 1.44         | 4.91               | 8.0        | 56.0       | C.S.R.        | 145-174    | 330    | 25       | 440 | 324         |
| MBP/CBP    | AE 9420Z  | 6.92          | 1,798                  | 527   | 372          | 1.42         | 4.83               | 1.8        | 19.0       | C.S.I.R.      | 36-43      | 330    | 8        | 450 | 196         |
|            | AE 9426Z  | 7.57          | 2,150                  | 630   | 450          | 1.40         | 4.78               | 2.8        | 19.0       | C.S.I.R.      | 36-43      | 330    | No       | No  | 204         |
|            | BA 7430Z  | 8.86          | 2,580                  | 756   | 495          | 1.53         | 5.21               | 2.5        | 17.0       | C.S.R.        | 43-52      | 330    | 8        | 440 | 205         |
|            | BA 7440Z  | 12.04         | 3,300                  | 967   | 616          | 1.57         | 5.36               | 3.0        | 18.0       | C.S.R.        | 36-43      | 330    | 15       | 440 | 215         |
|            | BA 7443Z  | 14.14         | 3,900                  | 1,143 | 770          | 1.48         | 5.06               | 3.7        | 18.6       | C.S.R.        | 36-43      | 330    | 20       | 440 | 215         |
|            | BA 7452Z  | 16.08         | 4,500                  | 1,320 | 895          | 1.47         | 5.03               | 4.6        | 25.0       | C.S.R.        | 43-52      | 330    | 15       | 440 | 215         |
|            | BA 7459Z  | 18.00         | 4,947                  | 1,450 | 1,030        | 1.41         | 4.80               | 5.0        | 25.1       | C.S.R.        | 43-52      | 330    | 20       | 440 | 215         |
|            | BA 9440Z  | 12.04         | 3,300                  | 967   | 616          | 1.57         | 5.36               | 3.0        | 18.0       | C.S.R.        | 36-43      | 330    | 15       | 440 | 215         |
|            | CA 7459Z  | 18.00         | 4,950                  | 1,450 | 966          | 1.50         | 5.13               | 4.6        | 21.0       | C.S.R.        | 43-52      | 330    | 15       | 440 | 215         |
|            | AW 7512Z  | 37.50         | 9,900                  | 2,902 | 1,687        | 1.72         | 5.87               | 8.4        | 41.8       | C.S.R.        | 130-156    | 330    | 30       | 440 | 289         |
|            | AW 7514Z  | 43.10         | 12,500                 | 3,664 | 2,034        | 1.80         | 6.15               | 10.0       | 48.0       | C.S.R.        | 130-156    | 330    | 40       | 440 | 289         |
|            | MBP/HBP   | WJ 9470Z      | 21.50                  | 6,176 | 1,810        | 1,050        | 1.72               | 5.88       | 4.9        | 23.2          | C.S.R.     | 88-106 | 330      | 20  | 440         |
| 21.50      |           |               | 10,850                 | 3,180 | 1,358        | 2.34         | 7.99               | 6.4        | 23.2       | C.S.R.        | 88-106     | 330    | 20       | 440 | 264         |
| WJ 9485Z   |           | 24.20         | 7,438                  | 2,180 | 1,260        | 1.73         | 5.90               | 6.2        | 31.0       | C.S.R.        | 88-106     | 330    | 25       | 450 | 264         |
|            |           | 24.20         | 12,930                 | 3,790 | 1,630        | 2.33         | 7.93               | 7.8        | 31.0       | C.S.R.        | 88-106     | 330    | 25       | 450 | 264         |
| WJ 9490Z   |           | 26.70         | 8,000                  | 2,345 | 1,400        | 1.68         | 5.72               | 7.0        | 33.0       | C.S.R.        | 108-130    | 330    | 20       | 440 | 264         |
|            |           | 26.70         | 13,600                 | 3,986 | 1,833        | 2.17         | 7.42               | 9.0        | 33.0       | C.S.R.        | 108-130    | 330    | 20       | 440 | 264         |
| WJ 9510Z   |           | 30.50         | 9,200                  | 2,696 | 1,690        | 1.60         | 5.45               | 9.0        | 47.0       | C.S.R.        | 108-130    | 330    | 25       | 425 | 264         |
|            |           | 30.50         | 16,000                 | 4,690 | 2,130        | 2.20         | 7.51               | 11.0       | 47.0       | C.S.R.        | 108-130    | 330    | 25       | 425 | 264         |
| WJ 9513Z   |           | 34.50         | 10,772                 | 3,157 | 1,955        | 1.61         | 5.51               | 9.7        | 53.0       | C.S.R.        | 108-130    | 330    | 30       | 425 | 264         |
|            |           | 34.50         | 18,200                 | 5,334 | 2,465        | 2.16         | 7.38               | 12.0       | 53.0       | C.S.R.        | 108-130    | 330    | 30       | 425 | 264         |
| AW 9516Z   |           | 53.50         | 15,000                 | 4,396 | 2,585        | 1.70         | 5.80               | 13.0       | 70.0       | C.S.R.        | 161-193    | 330    | 40       | 440 | 324         |
|            |           | 53.50         | 26,700                 | 7,825 | 3,227        | 2.42         | 8.27               | 15.7       | 70.0       | C.S.R.        | 161-193    | 330    | 40       | 440 | 324         |
| HBP        | AE 4430Z  | 5.68          | 2,760                  | 810   | 400          | 2.03         | 6.90               | 2.3        | 10.0       | C.S.I.R.      | 36-43      | 330    | No       | No  | 183         |
|            | AE 4435Z  | 6.92          | 3,071                  | 900   | 492          | 1.83         | 6.24               | 2.4        | 19.0       | C.S.R.        | 36-43      | 330    | 8        | 450 | 196         |
|            | AE 4440Z  | 7.57          | 3,500                  | 1,026 | 590          | 1.74         | 5.93               | 3.8        | 19.0       | C.S.I.R.      | 36-43      | 330    | No       | No  | 204         |

|     |                |       |                           |       |       |      |      |      |       |          |         |     |    |     |     |
|-----|----------------|-------|---------------------------|-------|-------|------|------|------|-------|----------|---------|-----|----|-----|-----|
|     |                |       | <b>115V / 60Hz / 1Ph.</b> |       |       |      |      |      |       |          |         |     |    |     |     |
| LBP | AE 2410Z-1     | 5.99  | 1,024                     | 300   | 285   | 1.05 | 3.59 | 4.0  | 24.0  | C.S.I.R. | 108-130 | 250 | No | No  | 188 |
|     | AE 2413Z-1     | 6.91  | 1,300                     | 381   | 375   | 1.02 | 3.47 | 5.7  | 31.0  | C.S.I.R. | 108-130 | 250 | No | No  | 188 |
|     | AE 2420Z-1     | 12.05 | 1,830                     | 536   | 505   | 1.06 | 3.62 | 6.2  | 45.0  | C.S.R.   | 108-130 | 330 | 25 | 440 | 216 |
|     | AE 2425Z-1     | 10.90 | 2,300                     | 674   | 586   | 1.15 | 3.92 | 6.4  | 41.0  | C.S.R.   | 108-130 | 330 | 20 | 440 | 200 |
|     | CA 2432Z-1     | 18.00 | 2,883                     | 845   | 754   | 1.12 | 3.82 | 7.4  | 47.0  | C.S.R.   | 88-106  | 330 | 30 | 440 | 215 |
|     | CA 2435Z-1     | 20.00 | 3,395                     | 995   | 865   | 1.15 | 3.92 | 10.8 | 40.0  | C.S.R.   | 216-259 | 250 | 30 | 440 | 215 |
|     | CA 2440Z-1     | 22.30 | 3,924                     | 1,150 | 1,000 | 1.15 | 3.92 | 11.0 | 51.0  | C.S.R.   | 243-292 | 250 | 35 | 440 | 215 |
|     | WJ 2435Z-1     | 21.50 | 2,900                     | 850   | 747   | 1.14 | 3.88 | 10.0 | 71.0  | C.S.R.   | 189-227 | 250 | 20 | 425 | 264 |
|     | WJ 2450Z-1     | 26.75 | 4,330                     | 1,270 | 1,035 | 1.23 | 4.18 | 9.6  | 97.0  | C.S.R.   | 243-292 | 250 | 40 | 440 | 264 |
|     | WJ 2455Z-1     | 30.50 | 5,400                     | 1,583 | 1,275 | 1.24 | 4.24 | 13.1 | 123.0 | C.S.R.   | 243-292 | 250 | 40 | 440 | 264 |
|     | MBP BA 7440Z-1 | 12.04 | 3,780                     | 1,108 | 830   | 1.34 | 4.56 | 8.7  | 45.0  | C.S.R.   | 189-227 | 250 | 25 | 440 | 215 |
|     | HBP AE 4440Z-1 | 7.57  | 4,497                     | 1,318 | 690   | 1.91 | 6.52 | 6.5  | 32.0  | C.S.R.   | 108-130 | 250 | 20 | 440 | 204 |

| 208-230V / 60Hz / 1Ph. |             |        |       |       |       |      |      |      |        |          |         |     |     |     |     |
|------------------------|-------------|--------|-------|-------|-------|------|------|------|--------|----------|---------|-----|-----|-----|-----|
| LBP                    | AE 2410ZK-2 | 6.00   | 1,153 | 338   | 278   | 1.22 | 4.15 | 1.9  | 13.6   | C.S.I.R. | 36-43   | 330 | No  | No  | 189 |
|                        |             | 6.00   | 1,153 | 338   | 262   | 1.29 | 4.40 | 1.3  | 12.4   | C.S.R.   | 36-43   | 330 | 4   | 440 | 189 |
|                        | AE 2413ZK-2 | 6.91   | 1,307 | 383   | 323   | 1.19 | 4.05 | 2.0  | 12.0   | C.S.I.R. | 36-43   | 330 | No  | No  | 189 |
|                        |             | 6.91   | 1,330 | 390   | 300   | 1.30 | 4.44 | 1.5  | 12.2   | C.S.R.   | 36-43   | 330 | 4   | 440 | 189 |
|                        | AE 2416ZK-2 | 8.10   | 1,580 | 463   | 348   | 1.33 | 4.54 | 1.7  | 15.5   | C.S.R.   | 36-43   | 330 | 5   | 440 | 189 |
|                        | AE 2420ZK-2 | 12.04  | 1,962 | 575   | 475   | 1.21 | 4.13 | 2.2  | 16.9   | C.S.R.   | 36-43   | 330 | 10  | 440 | 216 |
|                        | AE 2425ZK-2 | 14.14  | 2,286 | 670   | 546   | 1.23 | 4.19 | 2.6  | 27.1   | C.S.R.   | 43-52   | 330 | 12  | 440 | 216 |
|                        | AE 2428ZK-2 | 16.08  | 2,730 | 800   | 656   | 1.22 | 4.16 | 3.2  | 20.3   | C.S.R.   | 36-43   | 330 | 12  | 440 | 216 |
|                        | CA 2432Z-2  | 18.00  | 2,934 | 860   | 747   | 1.15 | 3.93 | 3.4  | 22.0   | C.S.R.   | 43-52   | 330 | 20  | 440 | 215 |
|                        | CA 2435Z-2  | 20.00  | 3,395 | 995   | 917   | 1.09 | 3.70 | 4.1  | 28.0   | C.S.R.   | 88-106  | 330 | 20  | 440 | 215 |
|                        | WJ 2440Z-2  | 24.20  | 3,907 | 1,145 | 970   | 1.18 | 4.03 | 5.2  | 43.0   | C.S.R.   | 108-130 | 330 | 20  | 425 | 264 |
|                        | WJ 2450Z-2  | 26.75  | 4,400 | 1,290 | 1,080 | 1.19 | 4.08 | 5.0  | 43.5   | C.S.R.   | 130-156 | 330 | 25  | 440 | 264 |
| WJ 2455Z-2             | 30.50       | 5,425  | 1,590 | 1,275 | 1.25  | 4.26 | 5.9  | 47.3 | C.S.R. | 145-174  | 330     | 30  | 450 | 264 |     |
| AW 2450ZK-2            | 37.50       | 5,374  | 1,575 | 1,260 | 1.25  | 4.27 | 7.2  | 54.0 | C.S.R. | 161-193  | 220/250 | 20  | 440 | 289 |     |
| AW 2462ZK-2            | 39.60       | 5,800  | 1,700 | 1,330 | 1.28  | 4.36 | 7.6  | 54.0 | C.S.R. | 161-193  | 220/250 | 20  | 440 | 289 |     |
| AW 2464ZK-2            | 43.10       | 6,612  | 1,938 | 1,475 | 1.31  | 4.48 | 8.1  | 54.0 | C.S.R. | 161-193  | 220/250 | 20  | 440 | 289 |     |
| AW 2495Z-2             | 53.50       | 8,360  | 2,450 | 1,800 | 1.36  | 4.64 | 8.8  | 74.0 | C.S.R. | 161-193  | 330     | 25  | 450 | 324 |     |
| AW 2510Z-2             | 71.00       | 10,050 | 2,946 | 2,806 | 1.05  | 3.58 | 13.1 | 90.0 | C.S.R. | 216-259  | 250     | 45  | 440 | 324 |     |

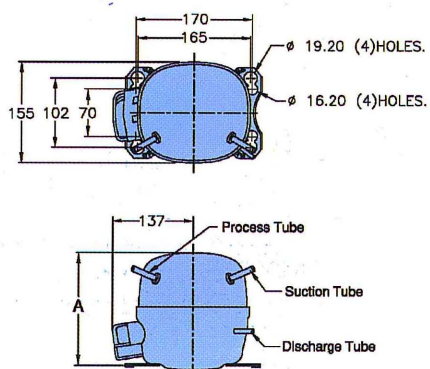
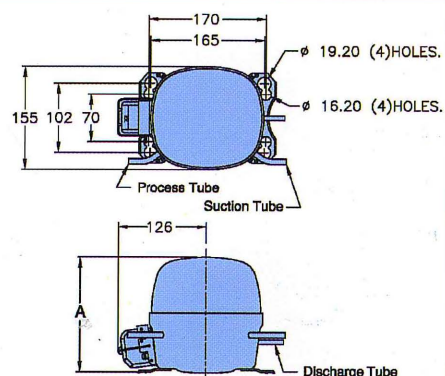


| App.                   | Model       | Disp.<br>(cc) | Cooling Capacity |        | Input<br>(W) | COP<br>(W/W) | EER.<br>(BTU/W-Hr) | RLA<br>(A) | LRA<br>(A) | Motor<br>Type | Start CAP. |     | Run CAP. |     | Dim.<br>"A" |
|------------------------|-------------|---------------|------------------|--------|--------------|--------------|--------------------|------------|------------|---------------|------------|-----|----------|-----|-------------|
|                        |             |               | (BTU/Hr)         | (W)    |              |              |                    |            |            |               | MFD        | VAC | MFD      | VAC |             |
| MBP/CBP                | BA 7440Z-2  | 12.04         | 3,850            | 1,128  | 732          | 1.54         | 5.26               | 3.7        | 29.0       | C.S.R.        | 36-43      | 330 | 12       | 440 | 215         |
|                        | BA 7443Z-2  | 14.14         | 4,290            | 1,257  | 880          | 1.43         | 4.87               | 4.4        | 27.3       | C.S.R.        | 43-52      | 330 | 15       | 440 | 215         |
|                        | BA 7452Z-2  | 16.08         | 5,170            | 1,515  | 1,140        | 1.33         | 4.53               | 6.0        | 33.0       | C.S.R.        | 88-106     | 330 | 15       | 440 | 215         |
|                        | BA 7459Z-2  | 18.00         | 5,950            | 1,744  | 1,295        | 1.35         | 4.60               | 6.2        | 33.0       | C.S.R.        | 88-106     | 330 | 20       | 440 | 215         |
|                        | CA 9465Z-2  | 20.00         | 6,466            | 1,895  | 1,466        | 1.29         | 4.41               | 8.7        | 40.0       | C.S.R.        | 43-52      | 330 | 20       | 440 | 215         |
|                        | WJ 9470Z-2  | 21.55         | 7,329            | 2,148  | 1,250        | 1.72         | 5.86               | 5.6        | 30.0       | C.S.R.        | 88-106     | 330 | 25       | 425 | 264         |
|                        | AW 7512Z-2  | 37.50         | 12,198           | 3,575  | 2,136        | 1.67         | 5.71               | 11.9       | 58.0       | C.S.R.        | 161-193    | 330 | 25       | 440 | 289         |
|                        | AW 7514Z-2  | 43.10         | 12,502           | 3,664  | 2,165        | 1.69         | 5.77               | 9.9        | 62.0       | C.S.R.        | 161-193    | 330 | 45       | 440 | 324         |
|                        | AW 7516Z-2  | 53.50         | 15,960           | 4,678  | 2,520        | 1.86         | 6.33               | 11.5       | 64.5       | C.S.R.        | 161-193    | 330 | 40       | 440 | 324         |
| MBP/HBP                | AW 7524Z-2  | 71.00         | 21,700           | 6,360  | 3,855        | 1.65         | 5.63               | 19.7       | 110.0      | C.S.R.        | 243-292    | 250 | 45       | 440 | 324         |
|                        | AW 9516Z-2  | 53.50         | 15,960           | 4,678  | 2,520        | 1.86         | 6.33               | 11.5       | 65.0       | C.S.R.        | 161-193    | 330 | 40       | 425 | 324         |
| HBP                    | AE 4430Z-2  | 5.68          | 3,276            | 960    | 475          | 2.02         | 6.90               | 2.6        | 12.0       | C.S.I.R.      | 36-43      | 330 | No       | No  | 189         |
| 100V / 50Hz / 1Ph      |             |               |                  |        |              |              |                    |            |            |               |            |     |          |     |             |
| LBP                    | AE 2410ZK-3 | 6.00          | 970              | 284    | 280          | 1.01         | 3.46               | 5.0        | 27.0       | C.S.I.R.      | 108-130    | 250 | No       | No  | 189         |
|                        | AE 2413ZK-3 | 6.91          | 1,110            | 325    | 358          | 0.91         | 3.10               | 6.1        | 27.0       | C.S.I.R.      | 108-130    | 250 | No       | No  | 189         |
| 100V / 60Hz / 1Ph.     |             |               |                  |        |              |              |                    |            |            |               |            |     |          |     |             |
| LBP                    | AE 2410ZK-3 | 6.00          | 1,136            | 333    | 295          | 1.13         | 3.85               | 4.2        | 23.0       | C.S.I.R.      | 108-130    | 250 | No       | No  | 189         |
|                        | AE 2413ZK-3 | 6.91          | 1,314            | 385    | 360          | 1.07         | 3.65               | 5.0        | 23.6       | C.S.I.R.      | 108-130    | 250 | No       | No  | 189         |
| 110V / 60Hz / 1Ph.     |             |               |                  |        |              |              |                    |            |            |               |            |     |          |     |             |
| LBP                    | CA 2435Z-4  | 20.00         | 3,685            | 1,080  | 980          | 1.10         | 3.76               | 10.5       | 45.0       | C.S.R.        | 130-156    | 330 | 35       | 440 | 215         |
| 220-240V / 50Hz / 1Ph. |             |               |                  |        |              |              |                    |            |            |               |            |     |          |     |             |
| LBP                    | AW 2495ZK-6 | 53.50         | 7,923            | 2,322  | 1,613        | 1.44         | 4.91               | 7.9        | 72.0       | C.S.R.        | 161-193    | 330 | 25       | 450 | 324         |
| 208-230V / 60Hz / 1Ph. |             |               |                  |        |              |              |                    |            |            |               |            |     |          |     |             |
| LBP                    | AW 2495ZK-6 | 53.50         | 8,360            | 2,450  | 1,800        | 1.36         | 4.64               | 8.8        | 74.0       | C.S.R.        | 161-193    | 330 | 25       | 450 | 324         |
| 380-420V / 50Hz / 3Ph. |             |               |                  |        |              |              |                    |            |            |               |            |     |          |     |             |
| LBP                    | AW 2450Z-9  | 37.50         | 4,504            | 1,320  | 925          | 1.43         | 4.88               | 1.9        | 24.0       | 3 PHASE       | No         | No  | No       | No  | 324         |
|                        | AW 2464Z-9  | 43.10         | 5,700            | 1,670  | 1,130        | 1.48         | 5.04               | 2.3        | 24.0       | 3 PHASE       | No         | No  | No       | No  | 324         |
|                        | AW 2495Z-9  | 53.50         | 8,165            | 2,393  | 1,560        | 1.53         | 5.23               | 3.1        | 30.5       | 3 PHASE       | No         | No  | No       | No  | 324         |
|                        | AW 2510Z-9  | 59.00         | 9,200            | 2,697  | 1,693        | 1.59         | 5.43               | 3.2        | 24.0       | 3 PHASE       | No         | No  | No       | No  | 324         |
| MBP                    | AW 7512Z-9  | 37.50         | 9,800            | 2,872  | 1,525        | 1.88         | 6.43               | 2.7        | 22.0       | 3 PHASE       | No         | No  | No       | No  | 324         |
|                        | AW 7514Z-9  | 43.10         | 11,950           | 3,502  | 1,850        | 1.89         | 6.46               | 3.1        | 24.0       | 3 PHASE       | No         | No  | No       | No  | 324         |
|                        | AW 7516Z-9  | 53.50         | 13,778           | 4,038  | 2,353        | 1.72         | 5.86               | 3.8        | 24.0       | 3 PHASE       | No         | No  | No       | No  | 324         |
| HBP                    | AW 5524Z-9  | 39.60         | 19,900           | 5,833  | 1,927        | 3.03         | 10.33              | 3.1        | 24.0       | 3 PHASE       | No         | No  | No       | No  | 324         |
|                        | AW 5526Z-9  | 43.10         | 22,042           | 6,460  | 2,140        | 3.02         | 10.30              | 3.5        | 24.0       | 3 PHASE       | No         | No  | No       | No  | 324         |
|                        | AW 5534Z-9  | 53.50         | 26,850           | 7,870  | 2,750        | 2.86         | 9.76               | 4.8        | 30.5       | 3 PHASE       | No         | No  | No       | No  | 324         |
|                        | AW 5538Z-9  | 59.00         | 31,281           | 9,168  | 3,235        | 2.83         | 9.67               | 7.1        | 50.0       | 3 PHASE       | No         | No  | No       | No  | 324         |
|                        | AW 5540Z-9  | 63.00         | 33,165           | 9,720  | 3,470        | 2.80         | 9.56               | 7.3        | 50.0       | 3 PHASE       | No         | No  | No       | No  | 324         |
|                        | AW 5545Z-9  | 71.00         | 38,436           | 11,265 | 4,085        | 2.76         | 9.71               | 8.0        | 50.0       | 3 PHASE       | No         | No  | No       | No  | 324         |
| 460V / 60Hz / 3Ph.     |             |               |                  |        |              |              |                    |            |            |               |            |     |          |     |             |
| LBP                    | AW 2450Z-9  | 37.50         | 4,880            | 1,430  | 1,025        | 1.40         | 4.76               | 1.8        | 24.0       | 3 PHASE       | No         | No  | No       | No  | 324         |
|                        | AW 2464Z-9  | 43.10         | 6,500            | 1,905  | 1,310        | 1.45         | 4.96               | 2.4        | 24.0       | 3 PHASE       | No         | No  | No       | No  | 324         |
|                        | AW 2495Z-9  | 53.50         | 8,680            | 2,544  | 1,725        | 1.47         | 5.03               | 3.1        | 30.5       | 3 PHASE       | No         | No  | No       | No  | 324         |
|                        | AW 2510Z-9  | 59.00         | 9,890            | 2,899  | 1,867        | 1.55         | 5.30               | 3.1        | 27.0       | 3 PHASE       | No         | No  | No       | No  | 324         |
| MBP                    | AW 7512Z-9  | 37.50         | 11,760           | 3,447  | 1,810        | 1.90         | 6.50               | 2.6        | 25.0       | 3 PHASE       | No         | No  | No       | No  | 324         |
|                        | AW 7514Z-9  | 43.10         | 14,500           | 4,250  | 2,228        | 1.91         | 6.51               | 3.1        | 24.0       | 3 PHASE       | No         | No  | No       | No  | 324         |
|                        | AW 7516Z-9  | 53.50         | 16,160           | 4,736  | 2,778        | 1.70         | 5.82               | 3.7        | 24.0       | 3 PHASE       | No         | No  | No       | No  | 324         |
| HBP                    | AW 5524Z-9  | 39.60         | 23,890           | 7,002  | 2,304        | 3.04         | 10.37              | 3.1        | 24.0       | 3 PHASE       | No         | No  | No       | No  | 324         |
|                        | AW 5526Z-9  | 43.10         | 26,104           | 7,650  | 2,510        | 3.05         | 10.40              | 3.4        | 24.0       | 3 PHASE       | No         | No  | No       | No  | 324         |
|                        | AW 5534Z-9  | 53.50         | 31,900           | 9,350  | 3,250        | 2.88         | 9.82               | 4.7        | 30.5       | 3 PHASE       | No         | No  | No       | No  | 324         |
|                        | AW 5538Z-9  | 59.00         | 37,450           | 10,976 | 3,840        | 2.86         | 9.75               | 7.2        | 50.0       | 3 PHASE       | No         | No  | No       | No  | 324         |
|                        | AW 5540Z-9  | 63.00         | 39,357           | 11,535 | 4,225        | 2.73         | 9.32               | 7.6        | 50.0       | 3 PHASE       | No         | No  | No       | No  | 324         |
|                        | AW 5545Z-9  | 71.00         | 45,294           | 13,275 | 4,890        | 2.71         | 9.26               | 8.1        | 50.0       | 3 PHASE       | No         | No  | No       | No  | 324         |
| 200-220V / 50Hz / 3Ph  |             |               |                  |        |              |              |                    |            |            |               |            |     |          |     |             |
| LBP                    | AW 2510ZXT  | 71.00         | 8,450            | 2,477  | 2,252        | 1.10         | 3.75               | 8.9        | 65.0       | 3 PHASE       | No         | No  | No       | No  | 324         |
| MBP/CBP                | WJ 9485ZXT  | 24.20         | 7,141            | 2,093  | 1,290        | 1.62         | 5.54               | 5.9        | 40.0       | 3 PHASE       | No         | No  | No       | No  | 264         |
|                        | WJ 9490ZXT  | 26.70         | 14,400           | 4,220  | 1,750        | 2.23         | 8.23               | 7.1        | 40.0       | 3 PHASE       | No         | No  | No       | No  | 264         |
|                        | WJ 9510ZXT  | 30.50         | 9,588            | 2,810  | 1,660        | 1.69         | 5.78               | 6.8        | 40.0       | 3 PHASE       | No         | No  | No       | No  | 264         |
|                        | AW 7512ZXT  | 37.50         | 9,004            | 2,640  | 1,580        | 1.67         | 5.70               | 5.2        | 53.0       | 3 PHASE       | No         | No  | No       | No  | 324         |
|                        | AW 7514ZXT  | 43.10         | 10,650           | 3,120  | 1,850        | 1.69         | 5.76               | 5.7        | 52.0       | 3 PHASE       | No         | No  | No       | No  | 324         |
|                        | AW 7516ZXT  | 53.50         | 13,778           | 4,038  | 2,516        | 1.60         | 5.48               | 8.7        | 64.0       | 3 PHASE       | No         | No  | No       | No  | 324         |
|                        | AW 7524ZXT  | 71.00         | 18,000           | 5,276  | 2,930        | 1.80         | 6.14               | 10.2       | 65.0       | 3 PHASE       | No         | No  | No       | No  | 324         |
| 200-230V / 60Hz / 3Ph. |             |               |                  |        |              |              |                    |            |            |               |            |     |          |     |             |
| LBP                    | AW 2510ZXT  | 71.00         | 9,700            | 2,843  | 2,585        | 1.10         | 3.75               | 8.0        | 65.0       | 3 PHASE       | No         | No  | No       | No  | 324         |
| MBP/CBP                | WJ 9485ZXT  | 24.20         | 8,400            | 2,462  | 1,450        | 1.70         | 5.79               | 5.0        | 40.0       | 3 PHASE       | No         | No  | No       | No  | 264         |
|                        | WJ 9490ZXT  | 26.70         | 16,400           | 4,982  | 2,100        | 2.37         | 8.09               | 6.0        | 40.0       | 3 PHASE       | No         | No  | No       | No  | 264         |
|                        | WJ 9510ZXT  | 30.50         | 11,198           | 3,282  | 1,900        | 1.73         | 5.89               | 5.8        | 40.0       | 3 PHASE       | No         | No  | No       | No  | 264         |
|                        | AW 7512ZXT  | 37.50         | 10,652           | 3,122  | 1,880        | 1.66         | 5.67               | 5.3        | 48.0       | 3 PHASE       | No         | No  | No       | No  | 324         |
|                        | AW 7514ZXT  | 43.10         | 12,516           | 3,668  | 2,200        | 1.67         | 5.69               | 6.1        | 46.0       | 3 PHASE       | No         | No  | No       | No  | 324         |
|                        | AW 7516ZXT  | 53.50         | 16,160           | 4,736  | 2,928        | 1.62         | 5.52               | 8.6        | 60.0       | 3 PHASE       | No         | No  | No       | No  | 324         |
|                        | AW 7524ZXT  | 71.00         | 21,400           | 6,272  | 3,564        | 1.76         | 6.00               | 10.3       | 65.0       | 3 PHASE       | No         | No  | No       | No  | 324         |
| 380V / 60Hz / 3Ph.     |             |               |                  |        |              |              |                    |            |            |               |            |     |          |     |             |
| LBP                    | AW 2450ZXI  | 37.50         | 4,600            | 1,348  | 1,000        | 1.35         | 4.60               | 1.9        | 24.0       | 3 PHASE       | No         | No  | No       | No  | 324         |
|                        | AW 2464ZXI  | 43.10         | 5,732            | 1,680  | 1,250        | 1.34         | 4.59               | 2.1        | 24.0       | 3 PHASE       | No         | No  | No       | No  | 324         |
|                        | AW 2495ZXI  | 53.50         | 8,460            | 2,480  | 1,740        | 1.42         | 4.84               | 31.1       | 30.5       | 3 PHASE       | No         | No  | No       | No  | 324         |
|                        | AW 2510ZXI  | 59.00         | 9,960            | 2,920  | 2,000        | 1.46         | 4.98               | 3.3        | 27.0       | 3 PHASE       | No         | No  | No       | No  | 324         |
| 380-420V / 50Hz / 3Ph. |             |               |                  |        |              |              |                    |            |            |               |            |     |          |     |             |
| LBP                    | AW 2512ZXTG | 71.00         | 11,200           | 3,282  | 2,550        | 1.29         | 4.39               | 4.6        | 40.0       | 3 PHASE       | No         | No  | No       | No  | 324         |
| HBP                    | AW 4524ZXTG | 43.10         | 22,042           | 6,460  | 2,140        | 3.02         | 10.30              | 3.5        | 24.0       | 3 PHASE       | No         | No  | No       | No  | 324         |
| 440-460V / 60Hz / 3Ph. |             |               |                  |        |              |              |                    |            |            |               |            |     |          |     |             |
| LBP                    | AW 2512ZXTG | 71.00         | 12,700           | 3,722  | 2,970        | 1.25         | 4.28               | 4.6        | 40.0       | 3 PHASE       | No         | No  | No       | No  | 324         |
| HBP                    | AW 4524ZXTG | 43.10         | 26,104           | 7,650  | 2,510        | 3.05         | 10.40              | 3.4        | 24.0       | 3 PHASE       | No         | No  | No       | No  | 324         |

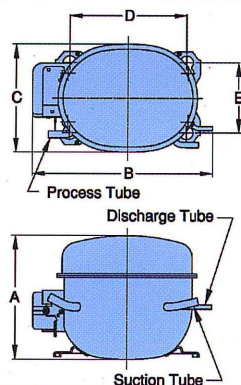
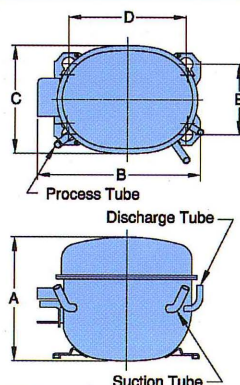


**AZ/AZA Compressor**

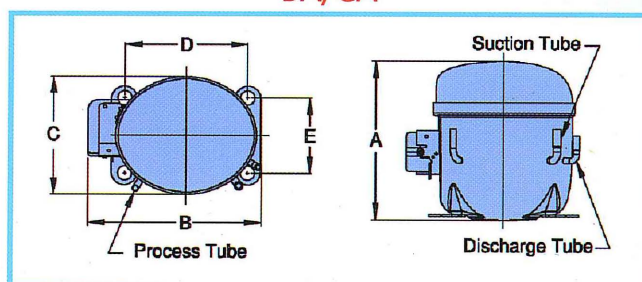
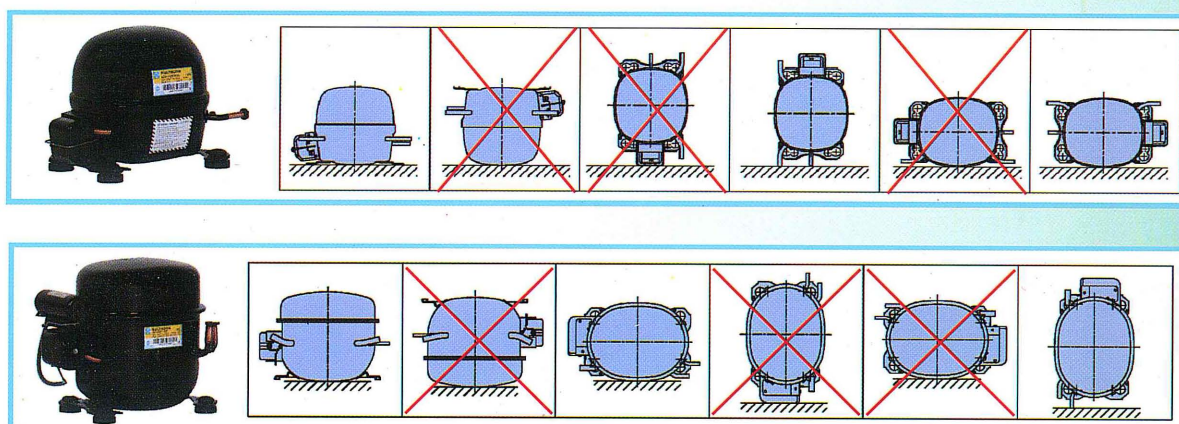
General Dimensions (mm.)

**AZ/AZA - 1****AZ/AZA - 2****AE Compressor**

General Dimensions (mm.)

**AE-1****AE-2****BA/CA Compressor**

General Dimensions (mm.)

**BA/CA****Allowable Positions For Shipping After Compressor Assembly**



| App.               | Model       | Disp.<br>(cc) | Cooling Capacity       |        | Input<br>(W) | COP<br>(W/W) | EER<br>(BTU/W-Hr) | RLA<br>(A) | LRA<br>(A) | Motor<br>Type | Start CAP. |     | Run CAP. |     | Dim.<br>"A" |
|--------------------|-------------|---------------|------------------------|--------|--------------|--------------|-------------------|------------|------------|---------------|------------|-----|----------|-----|-------------|
|                    |             |               | (BTU/Hr)               | (W)    |              |              |                   |            |            |               | MFD        | VAC | MFD      | VAC |             |
| R22                |             |               | 220-240V / 50Hz / 1Ph. |        |              |              |                   |            |            |               |            |     |          |     |             |
| LBP                | AE 2412E    | 8.86          | 1,047                  | 307    | 285          | 1.08         | 3.68              | 1.5        | 12.0       | C.S.R.        | 36-43      | 330 | 8        | 450 | 204         |
|                    | AE 2416E    | 12.04         | 1,340                  | 393    | 345          | 1.14         | 3.88              | 1.7        | 12.0       | C.S.R.        | 36-43      | 330 | 8        | 450 | 204         |
|                    | AE 2418E    | 14.14         | 1,604                  | 470    | 435          | 1.08         | 3.69              | 2.5        | 17.0       | C.S.R.        | 36-43      | 330 | 8        | 450 | 212         |
|                    | AE 2420E    | 16.08         | 1,774                  | 520    | 490          | 1.06         | 3.62              | 2.6        | 16.0       | C.S.R.        | 36-43      | 330 | 8        | 450 | 212         |
|                    | AE 2426E    | 18.00         | 2,184                  | 640    | 600          | 1.07         | 3.64              | 3.1        | 21.0       | C.S.R.        | 36-43      | 330 | 15       | 440 | 216         |
|                    | CA 2428E    | 20.00         | 2,490                  | 730    | 690          | 1.06         | 3.61              | 3.9        | 21.0       | C.S.R.        | 43-52      | 330 | 15       | 440 | 215         |
|                    | WJ 2435E    | 24.20         | 2,930                  | 859    | 690          | 1.24         | 4.25              | 3.3        | 30.0       | C.S.R.        | 145-174    | 330 | 25       | 440 | 264         |
|                    | WJ 2440E    | 26.70         | 3,272                  | 959    | 780          | 1.23         | 4.20              | 3.8        | 35.0       | C.S.R.        | 145-174    | 330 | 25       | 425 | 264         |
|                    | WJ 2450E    | 30.50         | 4,101                  | 1,202  | 950          | 1.27         | 4.32              | 5.0        | 35.0       | C.S.R.        | 145-174    | 330 | 25       | 440 | 264         |
| MBP/CBP            | AE 6412EK   | 4.50          | 990                    | 290    | 240          | 1.21         | 4.12              | 1.4        | 11.4       | R.S.I.R.      | No         | No  | No       | No  | 189         |
|                    | AE 7415EK   | 5.48          | 1,262                  | 370    | 310          | 1.19         | 4.07              | 2.1        | 11.5       | C.S.I.R.      | 36-43      | 250 | No       | No  | 189         |
|                    | AE 7422EK   | 7.57          | 1,877                  | 550    | 420          | 1.31         | 4.47              | 2.4        | 11.5       | C.S.I.R.      | 36-43      | 330 | No       | No  | 189         |
|                    | AE 7426EK   | 8.86          | 2,184                  | 640    | 480          | 1.33         | 4.55              | 2.7        | 12.8       | C.S.I.R.      | 36-43      | 330 | No       | No  | 201         |
|                    | AE 7435EK   | 12.04         | 2,968                  | 870    | 550          | 1.58         | 5.40              | 2.5        | 12.8       | C.S.R.        | 36-43      | 330 | 8        | 450 | 216         |
|                    | AE 7440EK   | 14.14         | 3,446                  | 1,010  | 660          | 1.53         | 5.22              | 3.0        | 12.8       | C.S.R.        | 36-43      | 330 | 12       | 440 | 216         |
|                    | AE 7445EK   | 16.08         | 3,798                  | 1,113  | 800          | 1.39         | 4.74              | 3.7        | 16.0       | C.S.R.        | 36-43      | 330 | 15       | 440 | 216         |
|                    | AE 9422EK   | 7.57          | 2,030                  | 595    | 417          | 1.43         | 4.87              | 2.3        | 14.8       | C.S.I.R.      | 36-43      | 330 | No       | No  | 203         |
|                    | WJ 9460EK   | 19.80         | 5,084                  | 1,490  | 855          | 1.74         | 5.95              | 4.6        | 28.0       | C.S.R.        | 88-106     | 330 | 15       | 440 | 264         |
|                    | WJ 9470EK   | 21.55         | 5,800                  | 1,700  | 958          | 1.77         | 6.05              | 4.6        | 30.0       | C.S.R.        | 88-106     | 330 | 20       | 440 | 264         |
|                    | WJ 9480EK   | 24.20         | 6,483                  | 1,900  | 1,100        | 1.73         | 5.89              | 5.3        | 28.0       | C.S.R.        | 88-106     | 330 | 25       | 450 | 264         |
|                    | WJ 9485EK   | 26.70         | 7,300                  | 2,140  | 1,246        | 1.72         | 5.86              | 5.7        | 38.0       | C.S.R.        | 145-174    | 330 | 25       | 425 | 264         |
|                    | WJ 9510EK   | 30.50         | 8,394                  | 2,460  | 1,425        | 1.73         | 5.89              | 6.5        | 40.0       | C.S.R.        | 145-174    | 330 | 25       | 440 | 264         |
| WJ 9513E           | 34.50       | 10,342        | 3,031                  | 1,638  | 1.85         | 6.31         | 8.5               | 53.0       | C.S.R.     | 108-130       | 330        | 30  | 440      | 264 |             |
| HBP                | AE 3422EK   | 4.50          | 1,887                  | 553    | 320          | 1.73         | 5.88              | 2.2        | 9.4        | R.S.I.R.      | No         | No  | No       | No  | 189         |
|                    | AE 4422EK   | 4.50          | 1,924                  | 564    | 357          | 1.58         | 5.39              | 2.2        | 9.4        | C.S.I.R.      | 36-43      | 330 | No       | No  | 189         |
|                    | AE 4430EK   | 6.92          | 2,907                  | 852    | 467          | 1.82         | 6.22              | 2.3        | 14.9       | C.S.R.        | 36-43      | 330 | 8        | 450 | 202         |
|                    | AE 4440EK   | 7.57          | 3,412                  | 1,000  | 453          | 2.21         | 7.53              | 2.2        | 13.0       | C.S.R.        | 36-43      | 330 | 8        | 450 | 202         |
|                    | AE 4448EK   | 8.86          | 4,000                  | 1,172  | 560          | 2.09         | 7.14              | 2.7        | 12.8       | C.S.R.        | 36-43      | 330 | 8        | 450 | 202         |
|                    | AE 4474EK   | 14.14         | 6,142                  | 1,800  | 840          | 2.14         | 7.31              | 4.0        | 19.2       | C.S.R.        | 36-43      | 330 | 15       | 440 | 212         |
|                    | WJ 4518EK   | 30.50         | 15,098                 | 4,425  | 1,780        | 2.49         | 8.48              | 8.6        | 43.0       | C.S.R.        | 88-106     | 330 | 25       | 440 | 264         |
|                    | AW 4515EK   | 30.50         | 13,938                 | 4,085  | 1,390        | 2.94         | 10.03             | 6.5        | 33.0       | C.S.R.        | 108-130    | 330 | 25       | 440 | 289         |
|                    | AW 4517EK   | 32.70         | 15,150                 | 4,440  | 1,536        | 2.89         | 9.86              | 7.6        | 50.5       | C.S.R.        | 108-130    | 330 | 30       | 440 | 289         |
|                    | AW 4519EK   | 35.60         | 16,500                 | 4,835  | 1,688        | 2.86         | 9.77              | 8.3        | 50.5       | C.S.R.        | 108-130    | 330 | 25       | 440 | 289         |
|                    | AW 4520EK   | 37.50         | 17,742                 | 5,200  | 1,738        | 2.99         | 10.21             | 8.0        | 54.1       | C.S.R.        | 108-130    | 330 | 35       | 440 | 324         |
|                    | AW 4522EK   | 39.60         | 19,336                 | 5,667  | 1,895        | 2.99         | 10.21             | 8.7        | 54.1       | C.S.R.        | 108-130    | 330 | 35       | 440 | 324         |
|                    | AW 4524EK   | 43.10         | 20,950                 | 6,140  | 2,090        | 2.94         | 10.03             | 9.6        | 51.3       | C.S.R.        | 108-130    | 330 | 45       | 425 | 324         |
|                    | AW 4528EK   | 48.40         | 24,252                 | 7,108  | 2,415        | 2.94         | 10.05             | 11.8       | 66.7       | C.S.R.        | 130-165    | 330 | 35       | 440 | 324         |
|                    | AW 4530EK   | 50.60         | 25,000                 | 7,327  | 2,498        | 2.93         | 10.01             | 12.0       | 73.0       | C.S.R.        | 88-106     | 330 | 50       | 450 | 324         |
|                    | AW 4532EK   | 53.50         | 26,852                 | 7,870  | 2,678        | 2.94         | 10.03             | 12.9       | 73.0       | C.S.R.        | 130-156    | 330 | 50       | 440 | 324         |
| HBP/AC             | CA 5510E    | 20.00         | 8,500                  | 2,490  | 1,310        | 1.90         | 6.49              | 6.9        | 28.0       | P.S.C.        | No         | No  | 30       | 440 | 215         |
|                    | WJ 5510EK   | 19.80         | 9,178                  | 2,690  | 1,094        | 2.46         | 8.39              | 5.5        | 28.0       | P.S.C.        | No         | No  | 15       | 440 | 264         |
|                    | WJ 5513EK   | 21.50         | 10,800                 | 3,165  | 1,218        | 2.60         | 8.87              | 5.6        | 30.0       | P.S.C.        | No         | No  | 20       | 440 | 264         |
|                    | WJ 5515EK   | 24.20         | 12,000                 | 3,517  | 1,360        | 2.59         | 8.82              | 6.4        | 28.0       | P.S.C.        | No         | No  | 25       | 440 | 264         |
|                    | WJ 5516EK   | 26.75         | 13,400                 | 3,927  | 1,550        | 2.53         | 8.64              | 6.9        | 38.0       | P.S.C.        | No         | No  | 25       | 440 | 264         |
|                    | WJ 5518EK   | 30.50         | 15,098                 | 4,425  | 1,780        | 2.49         | 8.48              | 8.6        | 43.0       | P.S.C.        | No         | No  | 25       | 440 | 264         |
|                    | AE 5448EK   | 8.86          | 4,000                  | 1,172  | 560          | 2.09         | 7.14              | 2.7        | 12.8       | C.S.R.        | 36-43      | 330 | 8        | 450 | 202         |
|                    | AE 5462E    | 14.14         | 6,142                  | 1,800  | 840          | 2.14         | 7.31              | 4.0        | 18.0       | P.S.C.        | No         | No  | 15       | 440 | 216         |
|                    | AW 5513EK   | 27.80         | 12,068                 | 3,537  | 1,270        | 2.79         | 9.50              | 6.4        | 32.3       | P.S.C.        | No         | No  | 20       | 440 | 289         |
|                    | AW 5515EK   | 30.50         | 13,938                 | 4,085  | 1,390        | 2.94         | 10.03             | 6.5        | 33.0       | P.S.C.        | No         | No  | 25       | 440 | 289         |
|                    | AW 5517EK   | 32.70         | 15,013                 | 4,400  | 1,500        | 2.93         | 10.01             | 7.0        | 35.0       | P.S.C.        | No         | No  | 30       | 440 | 289         |
|                    | AW 5519EK   | 35.60         | 16,497                 | 4,835  | 1,688        | 2.86         | 9.77              | 8.3        | 50.5       | P.S.C.        | No         | No  | 30       | 440 | 289         |
|                    | AW 5520EK   | 37.50         | 17,742                 | 5,200  | 1,738        | 2.99         | 10.21             | 8.0        | 54.1       | P.S.C.        | No         | No  | 35       | 440 | 324         |
|                    | AW 5522EK   | 39.60         | 18,600                 | 5,450  | 1,760        | 3.10         | 10.57             | 8.4        | 50.0       | P.S.C.        | No         | No  | 35       | 440 | 324         |
|                    | AW 5524EK   | 43.10         | 20,800                 | 6,096  | 1,950        | 3.13         | 10.67             | 9.3        | 56.0       | P.S.C.        | No         | No  | 45       | 440 | 324         |
|                    | AW 5528EK   | 48.40         | 24,566                 | 7,200  | 2,270        | 3.17         | 10.82             | 11.8       | 66.3       | P.S.C.        | No         | No  | 50       | 440 | 324         |
|                    | AW 5530EK   | 50.60         | 25,484                 | 7,469  | 2,385        | 3.13         | 10.69             | 11.4       | 66.0       | P.S.C.        | No         | No  | 50       | 440 | 324         |
|                    | AW 5532EK   | 53.50         | 27,194                 | 7,970  | 2,503        | 3.18         | 10.87             | 12.8       | 73.0       | P.S.C.        | No         | No  | 50       | 440 | 324         |
|                    | AW 5535EK   | 59.00         | 30,012                 | 8,796  | 2,903        | 3.03         | 10.34             | 14.7       | 85.0       | P.S.C.        | No         | No  | 60       | 440 | 324         |
|                    | AW 5538E    | 63.00         | 31,500                 | 9,232  | 3,100        | 2.98         | 10.16             | 15.0       | 85.0       | P.S.C.        | No         | No  | 60       | 440 | 324         |
|                    | AW 5542E    | 70.95         | 35,900                 | 10,522 | 3,550        | 2.96         | 10.11             | 17.0       | 85.0       | P.S.C.        | No         | No  | 60       | 440 | 324         |
| 115V / 60Hz / 1Ph. |             |               |                        |        |              |              |                   |            |            |               |            |     |          |     |             |
| MBP/CBP            | AE 7422EK-1 | 7.57          | 2,276                  | 667    | 520          | 1.29         | 4.38              | 6.4        | 29.0       | C.S.I.R.      | 108-130    | 250 | No       | No  | 189         |
|                    | AE 9430EK-1 | 8.86          | 2,780                  | 815    | 565          | 1.44         | 4.92              | 5.4        | 32.0       | C.S.R.        | 108-130    | 250 | 20       | 440 | 202         |
| HBP                | AE 4440EK-1 | 7.57          | 4,146                  | 1,215  | 615          | 1.98         | 6.74              | 5.9        | 32.0       | C.S.R.        | 108-130    | 250 | 20       | 440 | 202         |



| App. | Model | Disp.<br>(cc) | Cooling Capacity |     | Input<br>(W) | COP<br>(W/W) | EER.<br>(BTU/W-Hr) | RLA<br>(A) | LRA<br>(A) | Motor<br>Type | Start CAP. |     | Run CAP. |     | Dim.<br>"A" |
|------|-------|---------------|------------------|-----|--------------|--------------|--------------------|------------|------------|---------------|------------|-----|----------|-----|-------------|
|      |       |               | (BTU/Hr)         | (W) |              |              |                    |            |            |               | MFD        | VAC | MFD      | VAC |             |

## 208-230V / 60Hz / 1Ph

|         |             |       |        |        |       |      |       |      |      |          |         |     |    |     |     |
|---------|-------------|-------|--------|--------|-------|------|-------|------|------|----------|---------|-----|----|-----|-----|
| MBP/CBP | AE 6412E-2  | 4.50  | 1,317  | 386    | 284   | 1.36 | 4.64  | 1.7  | 18.3 | R.S.I.R. | No      | No  | No | No  | 189 |
|         | AE 7415EK-2 | 5.48  | 1,467  | 430    | 360   | 1.19 | 4.08  | 2.4  | 12.7 | C.S.I.R. | 36-43   | 330 | No | No  | 189 |
|         | AE 7422EK-2 | 7.57  | 2,238  | 656    | 490   | 1.34 | 4.57  | 2.9  | 15.6 | C.S.I.R. | 36-43   | 330 | No | No  | 189 |
|         | AE 7426EK-2 | 8.86  | 2,678  | 785    | 577   | 1.36 | 4.64  | 3.3  | 16.4 | C.S.I.R. | 36-43   | 330 | No | No  | 201 |
|         | AE 7435EK-2 | 12.04 | 3,360  | 985    | 690   | 1.43 | 4.88  | 3.3  | 16.1 | C.S.R.   | 36-43   | 330 | 8  | 450 | 216 |
|         | AE 7440EK-2 | 14.14 | 4,002  | 1,173  | 793   | 1.48 | 5.05  | 3.6  | 17.1 | C.S.R.   | 36-43   | 330 | 15 | 440 | 216 |
|         | AE 7445E-2  | 16.08 | 4,436  | 1,300  | 987   | 1.32 | 4.49  | 4.3  | 21.9 | C.S.R.   | 36-43   | 330 | 25 | 440 | 216 |
| HBP     | WJ 9460E-2  | 19.80 | 6,300  | 1,846  | 1,050 | 1.76 | 6.00  | 4.8  | 29.0 | C.S.R.   | 88-106  | 330 | 20 | 440 | 264 |
|         | AE 4430EK-2 | 6.92  | 3,207  | 940    | 585   | 1.61 | 5.48  | 2.9  | 15.9 | C.S.R.   | 36-43   | 330 | 8  | 450 | 202 |
|         | AE 4440EK-2 | 7.57  | 4,094  | 1,200  | 568   | 2.11 | 7.21  | 2.8  | 16.7 | C.S.R.   | 36-43   | 330 | 8  | 450 | 202 |
|         | AE 4448EK-2 | 8.86  | 4,606  | 1,350  | 725   | 1.86 | 6.35  | 3.5  | 15.8 | C.S.R.   | 36-43   | 330 | 8  | 450 | 202 |
|         | AE 4474EK-2 | 14.14 | 7,387  | 2,165  | 1,070 | 2.02 | 6.90  | 5.1  | 21.2 | C.S.R.   | 36-43   | 330 | 15 | 440 | 216 |
|         | AW 4528EK-2 | 48.40 | 27,800 | 8,148  | 2,780 | 2.93 | 10.00 | 12.9 | 73.0 | C.S.R.   | 130-156 | 330 | 35 | 440 | 324 |
|         | AW 4532EK-2 | 53.50 | 31,970 | 9,370  | 3,228 | 2.90 | 9.90  | 15.2 | 89.4 | C.S.R.   | 130-156 | 330 | 50 | 440 | 324 |
| HBP/AC  | AE 5462EK-2 | 14.14 | 7,387  | 2,165  | 1,070 | 2.02 | 6.90  | 5.1  | 21.2 | P.S.C.   | No      | No  | 15 | 440 | 214 |
|         | WJ 5510EK-2 | 19.80 | 11,567 | 3,390  | 1,380 | 2.46 | 8.38  | 7.1  | 37.3 | P.S.C.   | No      | No  | 15 | 440 | 264 |
|         | WJ 5513EK-2 | 21.50 | 13,000 | 3,810  | 1,485 | 2.57 | 8.75  | 6.5  | 32.0 | P.S.C.   | No      | No  | 25 | 440 | 264 |
|         | WJ 5515EK-2 | 24.20 | 14,400 | 4,220  | 1,717 | 2.46 | 8.39  | 8.1  | 38.1 | P.S.C.   | No      | No  | 25 | 440 | 264 |
|         | WJ 5516EK-2 | 26.75 | 16,105 | 4,720  | 1,925 | 2.45 | 8.37  | 8.8  | 43.9 | P.S.C.   | No      | No  | 25 | 440 | 264 |
|         | WJ 5518EK-2 | 30.50 | 18,698 | 5,480  | 2,230 | 2.46 | 8.38  | 10.0 | 53.0 | P.S.C.   | No      | No  | 30 | 440 | 264 |
|         | AW 5513EK-2 | 27.80 | 14,750 | 4,323  | 1,470 | 2.94 | 10.03 | 6.8  | 40.0 | P.S.C.   | No      | No  | 25 | 440 | 289 |
|         | AW 5515EK-2 | 30.50 | 16,616 | 4,870  | 1,695 | 2.87 | 9.80  | 8.5  | 47.0 | P.S.C.   | No      | No  | 25 | 440 | 289 |
|         | AW 5517EK-2 | 32.70 | 18,544 | 5,435  | 1,773 | 3.07 | 10.46 | 8.3  | 47.0 | P.S.C.   | No      | No  | 30 | 440 | 289 |
|         | AW 5519EK-2 | 35.60 | 19,643 | 5,757  | 2,040 | 2.82 | 9.63  | 9.3  | 48.0 | P.S.C.   | No      | No  | 35 | 440 | 289 |
|         | AW 5520EK-2 | 37.50 | 21,000 | 6,155  | 1,936 | 3.18 | 10.85 | 9.5  | 51.8 | P.S.C.   | No      | No  | 35 | 440 | 324 |
|         | AW 5522EK-2 | 39.60 | 22,600 | 6,624  | 2,100 | 3.15 | 10.76 | 10.1 | 54.0 | P.S.C.   | No      | No  | 30 | 440 | 324 |
|         | AW 5524EK-2 | 43.10 | 24,703 | 7,240  | 2,298 | 3.15 | 10.75 | 12.0 | 76.0 | P.S.C.   | No      | No  | 40 | 440 | 324 |
|         | AW 5528EK-2 | 48.40 | 28,000 | 8,206  | 2,648 | 3.10 | 10.57 | 12.9 | 67.0 | P.S.C.   | No      | No  | 40 | 440 | 324 |
|         | AW 5530EK-2 | 50.60 | 30,708 | 9,000  | 2,950 | 3.05 | 10.41 | 14.5 | 89.4 | P.S.C.   | No      | No  | 50 | 440 | 324 |
|         | AW 5532EK-2 | 53.50 | 32,585 | 9,550  | 3,155 | 3.03 | 10.33 | 15.1 | 89.4 | P.S.C.   | No      | No  | 50 | 440 | 324 |
|         | AW 5535EK-2 | 59.00 | 36,167 | 10,600 | 3,525 | 3.01 | 10.26 | 16.5 | 90.0 | P.S.C.   | No      | No  | 60 | 440 | 324 |
|         | AW 5538E-2  | 63.00 | 37,388 | 10,958 | 3,790 | 2.89 | 9.87  | 16.6 | 85.0 | P.S.C.   | No      | No  | 60 | 440 | 324 |

## 110V / 60Hz / 1Ph.

|         |             |      |       |       |     |      |      |     |      |          |         |     |    |     |     |
|---------|-------------|------|-------|-------|-----|------|------|-----|------|----------|---------|-----|----|-----|-----|
| MBP/CBP | AE 6412EK-4 | 4.50 | 1,280 | 375   | 300 | 1.25 | 4.27 | 3.7 | 23.0 | R.S.I.R. | No      | No  | No | No  | 189 |
|         | AE 7415EK-4 | 5.48 | 1,484 | 435   | 408 | 1.07 | 3.64 | 5.1 | 32.6 | C.S.I.R. | 108-130 | 250 | No | No  | 189 |
|         | AE 7422EK-4 | 7.57 | 2,228 | 653   | 502 | 1.30 | 4.44 | 6.1 | 30.0 | C.S.I.R. | 108-130 | 250 | No | No  | 189 |
|         |             | 7.57 | 2,252 | 660   | 475 | 1.39 | 4.74 | 5.2 | 26.2 | C.S.R.   | 108-130 | 250 | 10 | 440 | 189 |
|         | AE 7426EK-4 | 8.86 | 2,784 | 816   | 550 | 1.48 | 5.06 | 5.3 | 32.0 | C.S.R.   | 108-130 | 250 | 20 | 440 | 202 |
| HBP     | AE 3422EK-4 | 4.50 | 2,200 | 645   | 400 | 1.61 | 5.50 | 5.0 | 30.8 | R.S.I.R. | No      | No  | No | No  | 189 |
|         | AE 4430EK-4 | 6.92 | 3,276 | 960   | 600 | 1.60 | 5.46 | 5.5 | 33.0 | C.S.R.   | 108-130 | 250 | 20 | 440 | 202 |
|         | AE 4440EK-4 | 7.57 | 4,248 | 1,245 | 595 | 2.09 | 7.14 | 6.4 | 34.0 | C.S.R.   | 108-130 | 250 | 15 | 440 | 202 |
|         | AE 4448EK-4 | 8.86 | 5,000 | 1,465 | 727 | 2.02 | 6.88 | 7.0 | 37.0 | C.S.R.   | 108-130 | 250 | 20 | 440 | 202 |

## 220V / 50Hz / 1Ph.

|        |             |       |        |       |       |      |       |      |      |        |    |    |    |     |     |
|--------|-------------|-------|--------|-------|-------|------|-------|------|------|--------|----|----|----|-----|-----|
| HBP/AC | AW 5515EK-6 | 30.50 | 13,940 | 4,086 | 1,397 | 2.92 | 9.98  | 6.7  | 13.2 | P.S.C. | No | No | 25 | 440 | 324 |
|        | AW 5520EK-6 | 37.50 | 17,810 | 5,220 | 1,807 | 2.89 | 9.86  | 9.4  | 58.5 | P.S.C. | No | No | 35 | 440 | 324 |
|        | AW 5522EK-6 | 39.60 | 18,718 | 5,486 | 1,897 | 2.89 | 9.87  | 9.6  | 61.0 | P.S.C. | No | No | 30 | 440 | 324 |
|        | AW 5528EK-6 | 48.40 | 23,816 | 6,980 | 2,370 | 2.95 | 10.05 | 11.8 | 70.0 | P.S.C. | No | No | 35 | 440 | 324 |
|        | AW 5530EK-6 | 50.60 | 25,420 | 7,450 | 2,630 | 2.83 | 9.67  | 14.1 | 80.0 | P.S.C. | No | No | 45 | 440 | 324 |

## 220V / 60Hz / 1Ph.

|        |             |       |        |       |       |      |       |      |      |        |    |    |    |     |     |
|--------|-------------|-------|--------|-------|-------|------|-------|------|------|--------|----|----|----|-----|-----|
| HBP/AC | AW 5515EK-6 | 30.50 | 16,207 | 4,750 | 1,630 | 2.91 | 9.94  | 7.5  | 15.8 | P.S.C. | No | No | 25 | 440 | 324 |
|        | AW 5520EK-6 | 37.50 | 20,404 | 5,980 | 2,030 | 2.95 | 10.05 | 9.5  | 51.8 | P.S.C. | No | No | 35 | 440 | 324 |
|        | AW 5522EK-6 | 39.60 | 21,700 | 6,360 | 2,160 | 2.94 | 10.05 | 10.1 | 51.8 | P.S.C. | No | No | 30 | 440 | 324 |
|        | AW 5528EK-6 | 48.40 | 28,140 | 8,247 | 2,807 | 2.94 | 10.02 | 12.9 | 65.0 | P.S.C. | No | No | 35 | 440 | 324 |
|        | AW 5530EK-6 | 50.60 | 30,060 | 8,810 | 3,020 | 2.92 | 9.95  | 13.9 | 78.0 | P.S.C. | No | No | 45 | 440 | 324 |

## 380-420V / 50Hz / 3Ph.

|        |            |       |        |        |       |      |       |     |      |         |    |    |    |    |     |
|--------|------------|-------|--------|--------|-------|------|-------|-----|------|---------|----|----|----|----|-----|
| HBP/AC | AW 5522E-9 | 39.60 | 17,548 | 5,143  | 1,700 | 3.03 | 10.32 | 2.8 | 24.0 | 3 PHASE | No | No | No | No | 324 |
|        | AW 5524E-9 | 43.10 | 19,795 | 5,802  | 1,918 | 3.02 | 10.32 | 3.3 | 24.0 | 3 PHASE | No | No | No | No | 324 |
|        | AW 5528E-9 | 48.40 | 23,203 | 6,800  | 2,230 | 3.05 | 10.40 | 3.9 | 30.5 | 3 PHASE | No | No | No | No | 324 |
|        | AW 5530E-9 | 50.60 | 25,000 | 7,327  | 2,400 | 3.05 | 10.42 | 4.1 | 30.0 | 3 PHASE | No | No | No | No | 324 |
|        | AW 5532E-9 | 53.50 | 25,385 | 7,440  | 2,520 | 2.95 | 10.07 | 4.4 | 30.5 | 3 PHASE | No | No | No | No | 324 |
|        | AW 5535E-9 | 59.00 | 28,500 | 8,353  | 3,234 | 2.58 | 8.81  | 5.6 | 38.0 | 3 PHASE | No | No | No | No | 324 |
|        | AW 5538E-9 | 63.00 | 30,606 | 8,970  | 3,100 | 2.89 | 9.87  | 6.7 | 50.0 | 3 PHASE | No | No | No | No | 324 |
|        | AW 5542E-9 | 71.00 | 35,450 | 10,390 | 3,625 | 2.87 | 9.78  | 7.3 | 50.0 | 3 PHASE | No | No | No | No | 324 |

## 460V / 60Hz / 3Ph.

|        |            |       |        |        |       |      |       |     |      |         |    |    |    |    |     |
|--------|------------|-------|--------|--------|-------|------|-------|-----|------|---------|----|----|----|----|-----|
| HBP/AC | AW 5522E-9 | 39.60 | 21,200 | 6,213  | 2,020 | 3.08 | 10.50 | 2.8 | 24.0 | 3 PHASE | No | No | No | No | 324 |
|        | AW 5524E-9 | 43.10 | 23,572 | 6,920  | 2,278 | 3.04 | 10.35 | 3.2 | 24.0 | 3 PHASE | No | No | No | No | 324 |
|        | AW 5528E-9 | 48.40 | 28,220 | 8,270  | 2,670 | 3.10 | 10.57 | 3.9 | 30.5 | 3 PHASE | No | No | No | No | 324 |
|        | AW 5530E-9 | 50.60 | 30,398 | 8,909  | 2,900 | 3.07 | 10.48 | 4.1 | 30.0 | 3 PHASE | No | No | No | No | 324 |
|        | AW 5532E-9 | 53.50 | 31,000 | 9,086  | 3,030 | 3.00 | 10.23 | 4.4 | 30.5 | 3 PHASE | No | No | No | No | 324 |
|        | AW 5535E-9 | 59.00 | 34,800 | 10,200 | 3,925 | 2.60 | 8.87  | 5.6 | 38.0 | 3 PHASE | No | No | No | No | 324 |
|        | AW 5538E-9 | 63.00 | 37,003 | 10,845 | 3,770 | 2.88 | 9.82  | 6.8 | 50.0 | 3 PHASE | No | No | No | No | 324 |
|        | AW 5542E-9 | 71.00 | 42,700 | 12,515 | 4,440 | 2.82 | 9.62  | 7.4 | 50.0 | 3 PHASE | No | No | No | No | 324 |



| App.       | Model     | Disp.<br>(cc) | Cooling Capacity     |       | Input<br>(W) | COP<br>(W/W) | EER.<br>(BTU/W-Hr) | RLA<br>(A) | LRA<br>(A) | Motor<br>Type | Start CAP. |     | Run CAP. |     | Dis.<br>"A" |
|------------|-----------|---------------|----------------------|-------|--------------|--------------|--------------------|------------|------------|---------------|------------|-----|----------|-----|-------------|
|            |           |               | (BTU/Hr)             | (W)   |              |              |                    |            |            |               | MFD        | VAC | MFD      | VAC |             |
| R407C      |           |               | 220-240V / 50Hz / 1P |       |              |              |                    |            |            |               |            |     |          |     |             |
| MBP/CBP    | AE 7445GK | 16.08         | 3,798                | 1,113 | 800          | 1.39         | 4.74               | 4.0        | 16.0       | C.S.R.        | 36-43      | 330 | 15       | 440 | 21          |
|            | CA 7457G  | 18.00         | 4,562                | 1,337 | 899          | 1.49         | 5.07               | 4.3        | 21.1       | C.S.R.        | 36-43      | 330 | 15       | 440 | 21          |
|            | WJ 9460GK | 19.80         | 5,084                | 1,490 | 855          | 1.74         | 5.95               | 4.6        | 28.0       | C.S.R.        | 88-106     | 330 | 15       | 425 | 26          |
|            | WJ 9470GK | 21.55         | 5,800                | 1,700 | 958          | 1.77         | 6.05               | 4.6        | 30.0       | C.S.R.        | 88-106     | 330 | 20       | 425 | 26          |
|            | WJ 9480GK | 24.20         | 6,483                | 1,900 | 1,100        | 1.73         | 5.89               | 5.3        | 28.0       | C.S.R.        | 88-106     | 330 | 25       | 440 | 26          |
|            | WJ 9485GK | 26.70         | 7,302                | 2,140 | 1,246        | 1.72         | 5.86               | 5.7        | 38.0       | C.S.R.        | 145-175    | 330 | 25       | 440 | 26          |
|            | WJ 9510GK | 30.50         | 8,394                | 2,460 | 1,425        | 1.73         | 5.89               | 6.5        | 40.0       | C.S.R.        | 145-174    | 330 | 25       | 450 | 26          |
| MBP/HBP    | AW 4515GK | 30.50         | 6,585                | 1,930 | 1,046        | 1.85         | 6.30               | 4.9        | 33.0       | C.S.R.        | 108-130    | 330 | 25       | 440 | 28          |
|            |           | 30.50         | 13,938               | 4,085 | 1,390        | 2.94         | 10.00              | 6.5        | 33.0       | C.S.R.        | 108-130    | 330 | 25       | 440 | 28          |
|            | AW 4517GK | 32.70         | 6,995                | 2,050 | 1,196        | 1.71         | 5.85               | 6.3        | 50.5       | C.S.R.        | 108-130    | 330 | 30       | 440 | 28          |
|            |           | 32.70         | 15,150               | 4,440 | 1,536        | 2.89         | 9.86               | 7.6        | 50.5       | C.S.R.        | 108-130    | 330 | 30       | 440 | 28          |
|            | AW 4519GK | 35.60         | 8,394                | 2,460 | 1,320        | 1.86         | 6.36               | 6.2        | 50.5       | C.S.R.        | 108-130    | 330 | 25       | 440 | 28          |
|            |           | 35.60         | 16,497               | 4,835 | 1,688        | 2.86         | 9.77               | 8.3        | 50.5       | C.S.R.        | 108-130    | 330 | 25       | 440 | 28          |
|            | AW 4520GK | 37.50         | 9,028                | 2,643 | 1,350        | 1.96         | 6.69               | 6.2        | 54.1       | C.S.R.        | 108-130    | 330 | 35       | 440 | 32          |
|            |           | 37.50         | 17,742               | 5,200 | 1,738        | 2.99         | 10.21              | 8.0        | 54.1       | C.S.R.        | 108-130    | 330 | 35       | 440 | 32          |
|            | AW 4522GK | 39.60         | 9,770                | 2,863 | 1,334        | 2.15         | 7.32               | 6.2        | 54.0       | C.S.R.        | 108-130    | 330 | 35       | 440 | 32          |
|            |           | 39.60         | 19,336               | 5,667 | 1,895        | 2.99         | 10.21              | 8.7        | 54.1       | C.S.R.        | 108-130    | 330 | 35       | 440 | 32          |
|            | AW 4524GK | 43.10         | 10,632               | 3,116 | 1,685        | 1.85         | 6.31               | 7.8        | 51.3       | C.S.R.        | 108-130    | 330 | 45       | 440 | 32          |
|            |           | 43.10         | 20,950               | 6,140 | 2,090        | 2.94         | 9.90               | 9.6        | 51.3       | C.S.R.        | 108-130    | 330 | 45       | 440 | 32          |
|            | AW 4528GK | 48.40         | 12,396               | 3,634 | 1,865        | 1.95         | 6.65               | 9.3        | 66.7       | C.S.R.        | 130-156    | 330 | 35       | 440 | 32          |
|            |           | 48.40         | 24,252               | 7,108 | 2,415        | 2.94         | 10.00              | 11.9       | 66.7       | C.S.R.        | 130-156    | 330 | 35       | 440 | 32          |
|            | AW 4532GK | 53.50         | 13,820               | 4,050 | 2,103        | 1.93         | 6.57               | 10.2       | 73.0       | C.S.R.        | 130-156    | 330 | 50       | 440 | 32          |
|            |           | 53.50         | 26,852               | 7,870 | 2,678        | 2.94         | 10.00              | 12.9       | 73.0       | C.S.R.        | 130-156    | 330 | 50       | 440 | 32          |
|            | HBP/AC    | AE 5462GK     | 14.14                | 5,906 | 1,730        | 804          | 2.15               | 7.35       | 3.8        | 18.0          | P.S.C.     | No  | No       | 15  | 440         |
| AW 5513GK  |           | 30.50         | 11,533               | 3,380 | 1,317        | 2.57         | 8.76               | 6.2        | 33.0       | P.S.C.        | No         | No  | 25       | 440 | 28          |
| AW 5515GK  |           | 32.70         | 12,966               | 3,800 | 1,483        | 2.56         | 8.74               | 7.4        | 50.5       | P.S.C.        | No         | No  | 30       | 440 | 28          |
| AW 5517GK  |           | 35.60         | 14,228               | 4,170 | 1,626        | 2.56         | 8.75               | 8.0        | 50.5       | P.S.C.        | No         | No  | 30       | 440 | 28          |
| AW 5518GK  |           | 37.50         | 15,443               | 4,526 | 1,646        | 2.75         | 9.38               | 7.6        | 54.1       | P.S.C.        | No         | No  | 35       | 440 | 32          |
| AW 5519GK  |           | 39.60         | 16,896               | 4,952 | 1,808        | 2.74         | 9.34               | 8.3        | 54.1       | P.S.C.        | No         | No  | 35       | 440 | 32          |
| AW 5520GK  |           | 43.10         | 17,947               | 5,260 | 1,983        | 2.65         | 9.05               | 9.1        | 51.3       | P.S.C.        | No         | No  | 45       | 440 | 32          |
| AW 5520GKW |           | 43.10         | 19,000               | 5,570 | 1,820        | 3.06         | 10.44              | 8.5        | 55.0       | P.S.C.        | No         | No  | 50       | 440 | 32          |
| AW 5525GK  |           | 48.40         | 21,345               | 6,257 | 2,265        | 2.76         | 9.43               | 11.1       | 66.7       | P.S.C.        | No         | No  | 35       | 440 | 32          |
| AW 5527GK  |           | 50.60         | 22,512               | 6,598 | 2,403        | 2.75         | 9.37               | 11.5       | 73.0       | P.S.C.        | No         | No  | 50       | 440 | 32          |
| AW 5530GK  |           | 53.50         | 23,997               | 7,033 | 2,430        | 2.89         | 9.88               | 11.8       | 73.0       | P.S.C.        | No         | No  | 50       | 440 | 32          |

208-230V / 60Hz / 1P

|         |             |       |        |       |       |      |       |      |      |        |         |     |    |     |    |
|---------|-------------|-------|--------|-------|-------|------|-------|------|------|--------|---------|-----|----|-----|----|
| MBP/CBP | WJ 9460G-2  | 19.80 | 6,300  | 1,846 | 1,050 | 1.76 | 6.00  | 4.8  | 29.0 | C.S.R. | 88-106  | 330 | 20 | 440 | 26 |
| MBP/HBP | AW 4524GK-2 | 43.10 | 12,510 | 3,665 | 1,948 | 1.88 | 6.42  | 10.0 | 76.0 | C.S.R. | 108-130 | 330 | 35 | 440 | 32 |
|         |             | 43.10 | 24,225 | 7,100 | 2,420 | 2.93 | 10.00 | 12.0 | 76.0 | C.S.R. | 108-130 | 330 | 35 | 440 | 32 |
|         | AW 4528GK-2 | 48.40 | 14,920 | 4,373 | 2,195 | 1.99 | 6.80  | 10.0 | 73.0 | C.S.R. | 130-156 | 330 | 35 | 440 | 32 |
|         |             | 48.40 | 27,800 | 8,148 | 2,780 | 2.93 | 10.00 | 12.9 | 73.0 | C.S.R. | 130-156 | 330 | 35 | 440 | 32 |
|         | AW 4532GK-2 | 53.50 | 16,660 | 4,883 | 2,594 | 1.88 | 6.42  | 12.4 | 89.4 | C.S.R. | 130-156 | 330 | 50 | 440 | 32 |
|         |             | 53.50 | 31,970 | 9,370 | 3,228 | 2.90 | 9.90  | 15.2 | 89.4 | C.S.R. | 130-156 | 330 | 50 | 440 | 32 |
| HBP/AC  | AE 5462GK-2 | 14.14 | 7,097  | 2,080 | 970   | 2.14 | 7.32  | 4.5  | 24.0 | P.S.C. | No      | No  | 15 | 440 | 21 |
|         | AW 5519GK-2 | 35.60 | 16,970 | 4,974 | 1,950 | 2.55 | 8.70  | 9.1  | 70.0 | P.S.C. | No      | No  | 30 | 440 | 28 |

220-240V / 50Hz / 1P

|         |            |       |        |       |       |      |      |     |      |        |         |     |    |     |    |
|---------|------------|-------|--------|-------|-------|------|------|-----|------|--------|---------|-----|----|-----|----|
| MBP/CBP | WJ 9480G-6 | 24.20 | 11,600 | 3,400 | 1,370 | 2.48 | 8.47 | 7.0 | 40.0 | C.S.R. | 108-130 | 330 | 25 | 450 | 26 |
|---------|------------|-------|--------|-------|-------|------|------|-----|------|--------|---------|-----|----|-----|----|

208-230V / 60Hz / 1P

|         |            |       |        |       |       |      |      |     |      |        |         |     |    |     |    |
|---------|------------|-------|--------|-------|-------|------|------|-----|------|--------|---------|-----|----|-----|----|
| MBP/CBP | WJ 9480G-6 | 24.20 | 14,023 | 4,110 | 1,710 | 2.40 | 8.20 | 7.5 | 40.0 | C.S.R. | 108-130 | 330 | 25 | 450 | 26 |
|---------|------------|-------|--------|-------|-------|------|------|-----|------|--------|---------|-----|----|-----|----|

380-420V / 50Hz / 3P

|        |            |       |        |       |       |      |       |     |      |         |    |    |    |    |    |
|--------|------------|-------|--------|-------|-------|------|-------|-----|------|---------|----|----|----|----|----|
| HBP    | AW 4532G-9 | 53.50 | 24,737 | 7,250 | 2,480 | 2.92 | 9.98  | 4.4 | 30.5 | 3 PHASE | No | No | No | No | 32 |
| HBP/AC | AW 5519G-9 | 39.60 | 15,702 | 4,602 | 1,536 | 3.00 | 10.22 | 2.6 | 24.0 | 3 PHASE | No | No | No | No | 32 |
|        | AW 5524G-9 | 43.10 | 19,795 | 5,800 | 1,918 | 3.02 | 10.32 | 3.4 | 24.0 | 3 PHASE | No | No | No | No | 32 |
|        | AW 5528G-9 | 48.40 | 23,205 | 6,800 | 2,230 | 3.05 | 10.41 | 3.9 | 30.5 | 3 PHASE | No | No | No | No | 32 |
|        | AW 5532G-9 | 53.50 | 25,385 | 7,440 | 2,520 | 2.95 | 10.07 | 4.4 | 30.5 | 3 PHASE | No | No | No | No | 32 |

## 460V / 60Hz / 3P

|        |            |       |        |       |       |      |       |     |      |         |    |    |    |    |    |
|--------|------------|-------|--------|-------|-------|------|-------|-----|------|---------|----|----|----|----|----|
| HBP    | AW 4532G-9 | 53.50 | 29,582 | 8,670 | 2,990 | 2.90 | 9.90  | 4.4 | 30.5 | 3 PHASE | No | No | No | No | 32 |
| HBP/AC | AW 5519G-9 | 39.60 | 18,899 | 5,539 | 1,854 | 2.99 | 10.19 | 2.6 | 24.0 | 3 PHASE | No | No | No | No | 32 |
|        | AW 5524G-9 | 43.10 | 23,572 | 6,908 | 2,278 | 3.03 | 10.35 | 3.4 | 24.0 | 3 PHASE | No | No | No | No | 32 |
|        | AW 5528G-9 | 48.40 | 28,220 | 8,270 | 2,670 | 3.10 | 10.57 | 3.9 | 30.5 | 3 PHASE | No | No | No | No | 32 |
|        | AW 5532G-9 | 53.50 | 31,000 | 9,086 | 3,030 | 3.00 | 10.23 | 4.4 | 30.5 | 3 PHASE | No | No | No | No | 32 |



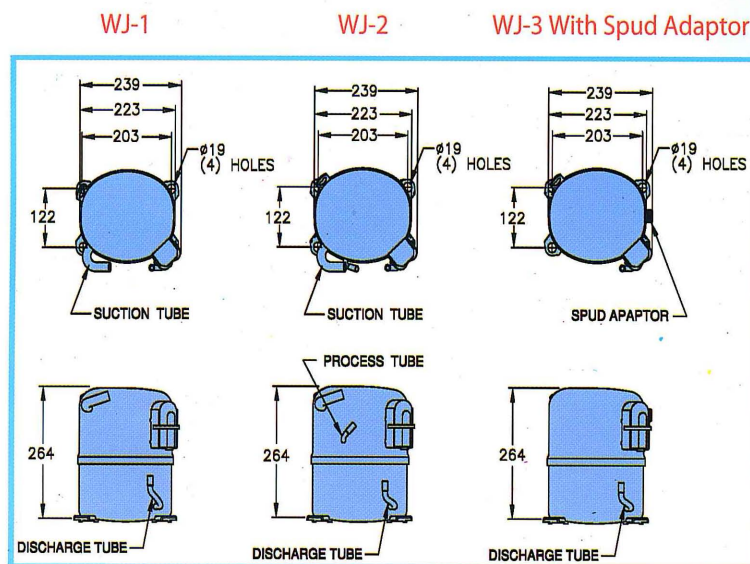
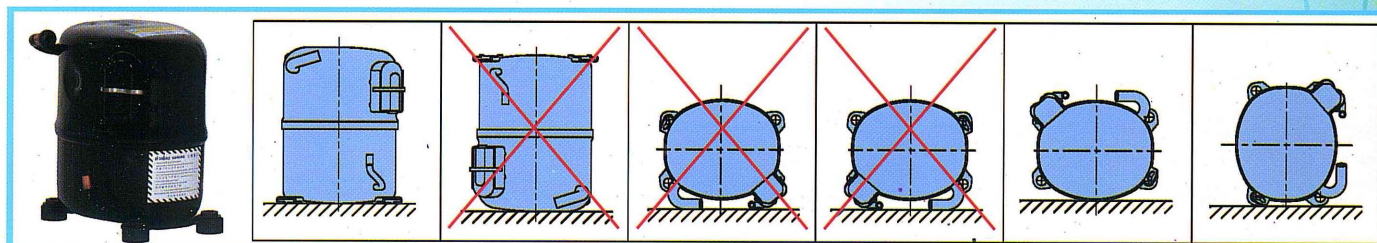
| App.   | Model    | Disp.<br>(cc) | Cooling Capacity      |        | Input<br>(W) | COP<br>(W/W) | EER<br>(BTU/W-Hr) | RLA<br>(A) | LRA<br>(A) | Motor<br>Type | Start CAP. |     | Run CAP. |     | Dim.<br>"A" |
|--------|----------|---------------|-----------------------|--------|--------------|--------------|-------------------|------------|------------|---------------|------------|-----|----------|-----|-------------|
|        |          |               | (BTU/Hr)              | (W)    |              |              |                   |            |            |               | MFD        | VAC | MFD      | VAC |             |
| R410A  |          |               | 220-240V / 50Hz / 1Ph |        |              |              |                   |            |            |               |            |     |          |     |             |
| HBP/AC | AW 5520B | 27.80         | 17,400                | 5,100  | 1,770        | 2.88         | 9.83              | 8.4        | 52.0       | P.S.C.        | 88-106     | 330 | 30       | 440 | 324         |
|        | AW 5522B | 30.50         | 18,900                | 5,540  | 1,990        | 2.78         | 9.50              | 9.4        | 51.0       | P.S.C.        | 88-106     | 330 | 45       | 440 | 324         |
|        | AW 5524B | 32.70         | 20,500                | 6,008  | 2,190        | 2.74         | 9.36              | 10.3       | 51.0       | P.S.C.        | 88-106     | 330 | 45       | 440 | 324         |
|        | AW 5528B | 35.60         | 24,600                | 7,210  | 2,455        | 2.94         | 10.02             | 12.1       | 67.0       | P.S.C.        | 88-106     | 330 | 35       | 440 | 324         |
|        | AW 5530B | 37.50         | 25,300                | 7,415  | 2,550        | 2.91         | 9.92              | 12.7       | 73.0       | P.S.C.        | 88-106     | 330 | 50       | 440 | 324         |
|        | AW 5532B | 39.60         | 27,000                | 7,913  | 2,750        | 2.88         | 9.82              | 13.5       | 73.0       | P.S.C.        | 88-106     | 330 | 50       | 440 | 324         |
|        | AW 5535B | 43.10         | 29,500                | 8,646  | 3,000        | 2.88         | 9.83              | 15.0       | 85.0       | P.S.C.        | 88-106     | 330 | 60       | 440 | 324         |
|        | AW 5540B | 48.40         | 33,800                | 9,906  | 3,530        | 2.81         | 9.58              | 17.0       | 85.0       | P.S.C.        | 88-106     | 330 | 60       | 440 | 324         |
|        | AW 5542B | 50.60         | 35,200                | 10,317 | 3,700        | 2.79         | 9.51              | 18.0       | 85.0       | P.S.C.        | 88-106     | 330 | 60       | 440 | 324         |

**208-230V / 60Hz / 1Ph**

|        |            |       |        |        |       |      |      |      |       |        |         |     |    |     |     |
|--------|------------|-------|--------|--------|-------|------|------|------|-------|--------|---------|-----|----|-----|-----|
| HBP/AC | AW 5520B-2 | 27.80 | 19,510 | 5,718  | 2,052 | 2.79 | 9.51 | 9.0  | 55.0  | P.S.C. | 130-156 | 330 | 35 | 440 | 324 |
|        | AW 5524B-2 | 32.70 | 25,300 | 7,414  | 2,628 | 2.82 | 9.63 | 11.4 | 60.0  | P.S.C. | 161-193 | 330 | 40 | 440 | 324 |
|        | AW 5530B-2 | 37.50 | 29,690 | 8,702  | 3,100 | 2.81 | 9.59 | 15.3 | 100.0 | P.S.C. | 161-193 | 330 | 45 | 440 | 324 |
|        | AW 5532B-2 | 39.60 | 32,370 | 9,487  | 3,375 | 2.81 | 9.59 | 16.0 | 100.0 | P.S.C. | 161-193 | 330 | 50 | 440 | 324 |
|        | AW 5535B-2 | 43.10 | 35,710 | 10,466 | 3,723 | 2.81 | 9.59 | 16.4 | 90.0  | P.S.C. | 108-130 | 330 | 60 | 440 | 324 |
|        | AW 5540B-2 | 48.40 | 40,970 | 12,007 | 4,246 | 2.83 | 9.65 | 18.7 | 90.0  | P.S.C. | 108-130 | 330 | 60 | 440 | 324 |

**WJ Compressor**

General Dimensions (mm.)

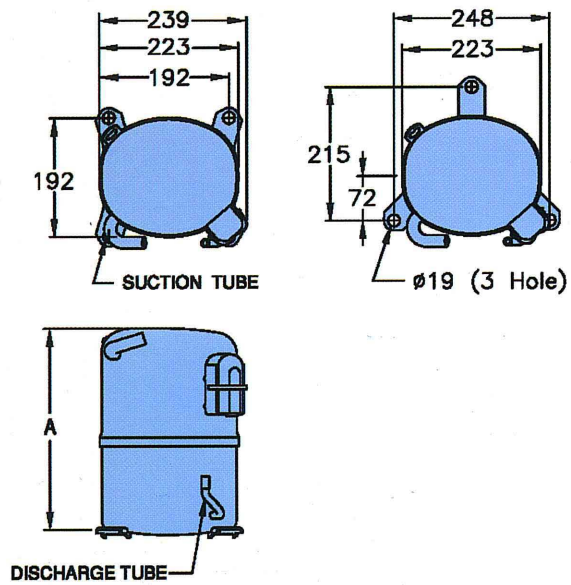
**Allowable Positions For Shipping After Compressor Assembly**



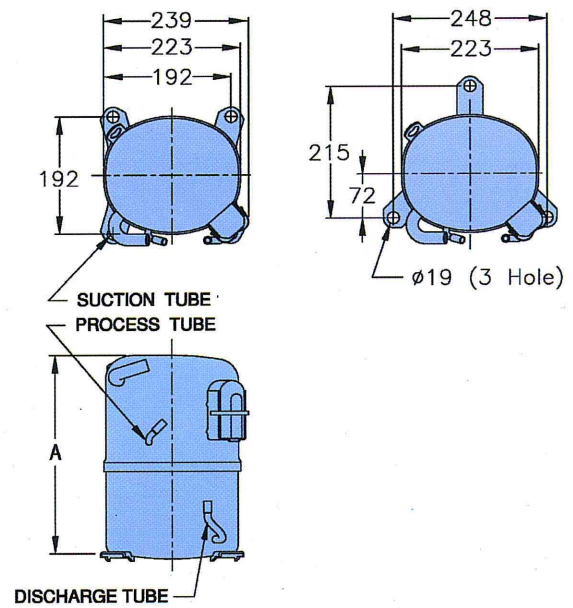
## AW Compressor

General Dimensions (mm.)

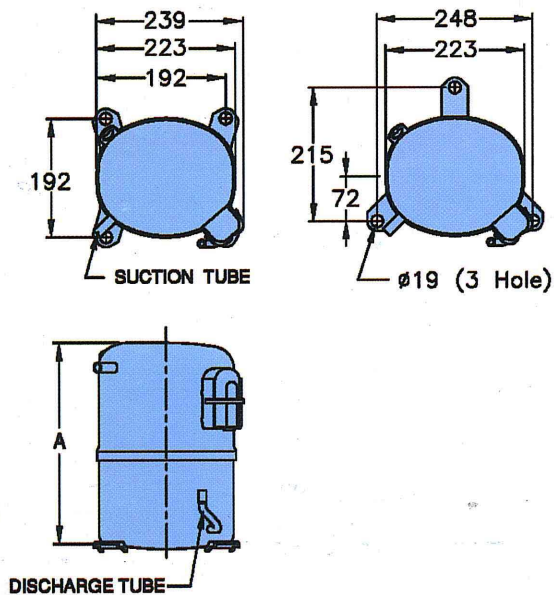
AW-1



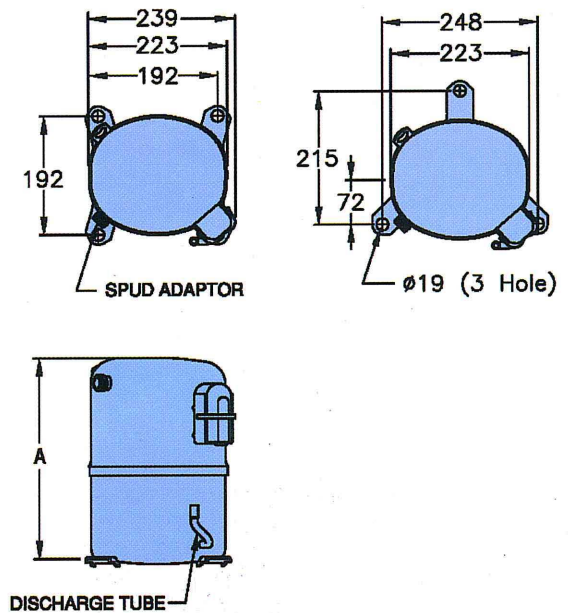
AW-2



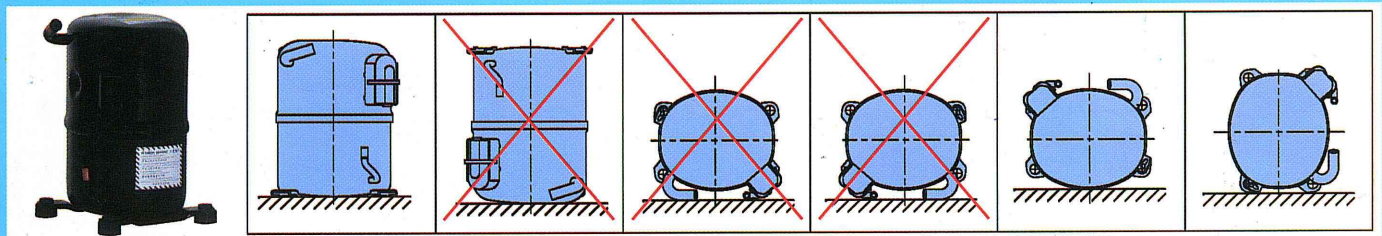
AW-3



AW-4 With Spud Adaptor



## Allowable Positions For Shipping After Compressor Assembly





| App.   | Model      | Disp.<br>(cc) | Cooling Capacity      |        | Input<br>(W) | COP<br>(W/W) | EER.<br>(BTU/W-Hr) | RLA<br>(A) | LRA<br>(A) | Motor<br>Type | Start CAP. |     | Run CAP. |     | Dim.<br>"A" |
|--------|------------|---------------|-----------------------|--------|--------------|--------------|--------------------|------------|------------|---------------|------------|-----|----------|-----|-------------|
|        |            |               | (BTU/Hr)              | (W)    |              |              |                    |            |            |               | MFD        | VAC | MFD      | VAC |             |
| R22    |            |               | 380-420V / 50Hz / 3Ph |        |              |              |                    |            |            |               |            |     |          |     |             |
| HBP/AC | KA 5538EXG | 65            | 30,000                | 8,793  | 2,730        | 3.22         | 10.99              | 5.7        | 40.0       | 3 PHASE       | No         | No  | No       | No  | 399         |
|        | KA 5542EXG | 70            | 34,000                | 9,965  | 3,047        | 3.27         | 11.16              | 6.0        | 40.0       | 3 PHASE       | No         | No  | No       | No  | 399         |
|        | KA 5550EXG | 80            | 41,000                | 12,017 | 3,686        | 3.26         | 11.12              | 6.8        | 40.0       | 3 PHASE       | No         | No  | No       | No  | 399         |
|        | KA 5555EXG | 90            | 46,000                | 13,482 | 4,110        | 3.28         | 11.19              | 7.9        | 62.0       | 3 PHASE       | No         | No  | No       | No  | 399         |
|        | KA 5560EXG | 100           | 53,000                | 15,534 | 4,736        | 3.28         | 11.19              | 8.7        | 62.0       | 3 PHASE       | No         | No  | No       | No  | 399         |
|        | KA 5570EXG | 115           | 58,000                | 17,000 | 5,466        | 3.11         | 10.61              | 9.9        | 62.0       | 3 PHASE       | No         | No  | No       | No  | 399         |

|        |            |     |                              |        |       |      |       |      |      |         |    |    |    |    |     |
|--------|------------|-----|------------------------------|--------|-------|------|-------|------|------|---------|----|----|----|----|-----|
|        |            |     | <b>440-460V / 60Hz / 3Ph</b> |        |       |      |       |      |      |         |    |    |    |    |     |
| HBP/AC | KA 5538EXG | 65  | 37,000                       | 10,844 | 3,286 | 3.30 | 11.26 | 5.7  | 43.0 | 3 PHASE | No | No | No | No | 399 |
|        | KA 5542EXG | 70  | 41,000                       | 12,017 | 3,630 | 3.31 | 11.29 | 6.0  | 43.0 | 3 PHASE | No | No | No | No | 399 |
|        | KA 5550EXG | 80  | 49,000                       | 14,360 | 4,365 | 3.29 | 11.23 | 6.8  | 43.0 | 3 PHASE | No | No | No | No | 399 |
|        | KA 5555EXG | 90  | 55,000                       | 16,120 | 4,975 | 3.24 | 11.06 | 8.0  | 70.0 | 3 PHASE | No | No | No | No | 399 |
|        | KA 5560EXG | 100 | 58,000                       | 17,000 | 5,466 | 3.11 | 10.61 | 10.0 | 70.0 | 3 PHASE | No | No | No | No | 399 |
|        | KA 5570EXG | 115 | 70,000                       | 20,516 | 6,618 | 3.10 | 10.58 | 10.5 | 70.0 | 3 PHASE | No | No | No | No | 399 |

|        |            |     |                          |        |       |      |       |     |      |         |    |    |    |    |     |
|--------|------------|-----|--------------------------|--------|-------|------|-------|-----|------|---------|----|----|----|----|-----|
|        |            |     | <b>380V / 60Hz / 3Ph</b> |        |       |      |       |     |      |         |    |    |    |    |     |
| HBP/AC | KA 5560EXI | 100 | 59,500                   | 17,430 | 5,550 | 3.14 | 10.72 | 9.6 | 74.0 | 3 PHASE | No | No | No | No | 399 |

|        |            |    |                              |        |       |      |       |      |       |         |    |    |    |    |     |
|--------|------------|----|------------------------------|--------|-------|------|-------|------|-------|---------|----|----|----|----|-----|
|        |            |    | <b>200-220V / 50Hz / 3Ph</b> |        |       |      |       |      |       |         |    |    |    |    |     |
| HBP/AC | KA 5550EXT | 80 | 39,445                       | 11,560 | 3,536 | 3.27 | 11.16 | 15.7 | 121.0 | 3 PHASE | No | No | No | No | 399 |
|        | KA 5555EXT | 90 | 46,400                       | 13,600 | 4,160 | 3.27 | 11.15 | 16.5 | 121.0 | 3 PHASE | No | No | No | No | 399 |

|        |            |    |                              |        |       |      |       |      |       |         |    |    |    |    |     |
|--------|------------|----|------------------------------|--------|-------|------|-------|------|-------|---------|----|----|----|----|-----|
|        |            |    | <b>200-230V / 60Hz / 3Ph</b> |        |       |      |       |      |       |         |    |    |    |    |     |
| HBP/AC | KA 5550EXT | 80 | 46,500                       | 13,629 | 4,150 | 3.28 | 11.20 | 13.6 | 121.0 | 3 PHASE | No | No | No | No | 399 |
|        | KA 5555EXT | 90 | 54,300                       | 15,914 | 4,860 | 3.27 | 11.17 | 15.0 | 121.0 | 3 PHASE | No | No | No | No | 399 |

|                   |            |     |                              |        |       |      |       |      |      |         |    |    |    |    |     |
|-------------------|------------|-----|------------------------------|--------|-------|------|-------|------|------|---------|----|----|----|----|-----|
| <b>R404A/R507</b> |            |     | <b>380-420V / 50Hz / 3Ph</b> |        |       |      |       |      |      |         |    |    |    |    |     |
| MBP/CBP           | KA 9522ZXG | 65  | 19,100                       | 5,598  | 2,625 | 2.13 | 7.28  | 5.8  | 40.0 | 3 PHASE | No | No | No | No | 399 |
|                   | KA 9524ZXG | 70  | 20,800                       | 6,096  | 2,800 | 2.18 | 7.43  | 6.0  | 40.0 | 3 PHASE | No | No | No | No | 399 |
|                   | KA 9528ZXG | 80  | 24,000                       | 7,034  | 3,230 | 2.18 | 7.43  | 6.4  | 40.0 | 3 PHASE | No | No | No | No | 399 |
|                   | KA 9531ZXG | 90  | 28,600                       | 8,382  | 3,675 | 2.28 | 7.78  | 7.7  | 62.0 | 3 PHASE | No | No | No | No | 399 |
|                   | KA 9535ZXG | 100 | 32,000                       | 9,380  | 4,160 | 2.25 | 7.69  | 8.3  | 62.0 | 3 PHASE | No | No | No | No | 399 |
|                   | KA 9540ZXG | 115 | 36,800                       | 10,786 | 4,880 | 2.21 | 7.54  | 9.4  | 62.0 | 3 PHASE | No | No | No | No | 399 |
| HBP               | KA 5542ZXG | 65  | 35,500                       | 10,405 | 3,250 | 3.20 | 10.92 | 6.6  | 40.0 | 3 PHASE | No | No | No | No | 399 |
|                   | KA 5544ZXG | 70  | 38,400                       | 11,255 | 3,460 | 3.25 | 11.10 | 6.9  | 40.0 | 3 PHASE | No | No | No | No | 399 |
|                   | KA 5552ZXG | 80  | 44,000                       | 12,896 | 4,030 | 3.20 | 10.92 | 7.6  | 40.0 | 3 PHASE | No | No | No | No | 399 |
|                   | KA 5558ZXG | 90  | 51,300                       | 15,035 | 4,555 | 3.30 | 11.26 | 8.9  | 62.0 | 3 PHASE | No | No | No | No | 399 |
|                   | KA 5564ZXG | 100 | 56,000                       | 16,413 | 5,170 | 3.17 | 10.83 | 9.8  | 62.0 | 3 PHASE | No | No | No | No | 399 |
|                   | KA 5572ZXG | 115 | 63,000                       | 18,464 | 6,040 | 3.06 | 10.43 | 11.1 | 62.0 | 3 PHASE | No | No | No | No | 399 |

|         |            |     |                              |        |       |      |       |      |      |         |    |    |    |    |     |
|---------|------------|-----|------------------------------|--------|-------|------|-------|------|------|---------|----|----|----|----|-----|
|         |            |     | <b>440-460V / 60Hz / 3Ph</b> |        |       |      |       |      |      |         |    |    |    |    |     |
| MBP/CBP | KA 9522ZXG | 65  | 22,300                       | 6,536  | 3,035 | 2.15 | 7.35  | 5.8  | 43.0 | 3 PHASE | No | No | No | No | 399 |
|         | KA 9524ZXG | 70  | 23,400                       | 6,858  | 3,200 | 2.14 | 7.31  | 6.0  | 43.0 | 3 PHASE | No | No | No | No | 399 |
|         | KA 9528ZXG | 80  | 27,500                       | 8,060  | 3,690 | 2.18 | 7.45  | 6.3  | 43.0 | 3 PHASE | No | No | No | No | 399 |
|         | KA 9531ZXG | 90  | 31,000                       | 9,086  | 4,090 | 2.22 | 7.58  | 7.5  | 70.0 | 3 PHASE | No | No | No | No | 399 |
|         | KA 9535ZXG | 100 | 35,000                       | 10,258 | 4,710 | 2.18 | 7.43  | 8.1  | 70.0 | 3 PHASE | No | No | No | No | 399 |
|         | KA 9540ZXG | 115 | 40,500                       | 11,870 | 5,600 | 2.12 | 7.23  | 9.2  | 70.0 | 3 PHASE | No | No | No | No | 399 |
| HBP     | KA 5542ZXG | 65  | 41,500                       | 12,163 | 3,810 | 3.19 | 10.89 | 6.6  | 43.0 | 3 PHASE | No | No | No | No | 399 |
|         | KA 5544ZXG | 70  | 44,400                       | 13,013 | 4,050 | 3.21 | 10.96 | 6.9  | 43.0 | 3 PHASE | No | No | No | No | 399 |
|         | KA 5552ZXG | 80  | 51,500                       | 15,094 | 4,755 | 3.17 | 10.83 | 7.5  | 43.0 | 3 PHASE | No | No | No | No | 399 |
|         | KA 5558ZXG | 90  | 58,400                       | 17,116 | 5,300 | 3.23 | 11.02 | 8.8  | 70.0 | 3 PHASE | No | No | No | No | 399 |
|         | KA 5564ZXG | 100 | 64,200                       | 18,816 | 6,100 | 3.08 | 10.52 | 9.7  | 70.0 | 3 PHASE | No | No | No | No | 399 |
|         | KA 5572ZXG | 115 | 71,600                       | 20,985 | 7,120 | 2.95 | 10.06 | 10.9 | 70.0 | 3 PHASE | No | No | No | No | 399 |

|         |            |     |                              |        |       |      |       |      |       |         |    |    |    |    |     |
|---------|------------|-----|------------------------------|--------|-------|------|-------|------|-------|---------|----|----|----|----|-----|
|         |            |     | <b>200-220V / 50Hz / 3Ph</b> |        |       |      |       |      |       |         |    |    |    |    |     |
| LBP     | KA 2512ZXT | 93  | 10,970                       | 3,215  | 2,690 | 1.20 | 4.08  | 10.2 | 90.0  | 3 PHASE | No | No | No | No | 399 |
| MBP/CBP | KA 9524ZXT | 70  | 19,910                       | 5,835  | 2,695 | 2.17 | 7.39  | 14.8 | 121.0 | 3 PHASE | No | No | No | No | 399 |
|         | KA 9531ZXT | 90  | 27,170                       | 7,963  | 3,620 | 2.20 | 7.51  | 16.0 | 121.0 | 3 PHASE | No | No | No | No | 399 |
|         | KA 9535ZXT | 100 | 32,417                       | 9,500  | 4,210 | 2.26 | 7.70  | 16.7 | 121.0 | 3 PHASE | No | No | No | No | 399 |
| HBP     | KA 5542ZXT | 70  | 38,000                       | 11,137 | 3,420 | 3.26 | 11.11 | 15.8 | 121.0 | 3 PHASE | No | No | No | No | 399 |
|         | KA 5555ZXT | 90  | 48,940                       | 14,344 | 4,560 | 3.15 | 10.73 | 17.8 | 121.0 | 3 PHASE | No | No | No | No | 399 |
|         | KA 5562ZXT | 100 | 56,950                       | 16,690 | 5,230 | 3.19 | 10.89 | 18.6 | 121.0 | 3 PHASE | No | No | No | No | 399 |

|         |            |     |                              |        |       |      |       |      |       |         |    |    |    |    |     |
|---------|------------|-----|------------------------------|--------|-------|------|-------|------|-------|---------|----|----|----|----|-----|
|         |            |     | <b>200-230V / 60Hz / 3Ph</b> |        |       |      |       |      |       |         |    |    |    |    |     |
| LBP     | KA 2512ZXT | 93  | 12,430                       | 3,643  | 3,050 | 1.19 | 4.08  | 9.6  | 90.0  | 3 PHASE | No | No | No | No | 399 |
| MBP/CBP | KA 9524ZXT | 70  | 20,800                       | 6,096  | 2,765 | 2.20 | 7.52  | 11.0 | 121.0 | 3 PHASE | No | No | No | No | 399 |
|         | KA 9531ZXT | 90  | 28,870                       | 8,460  | 3,800 | 2.23 | 7.60  | 13.0 | 121.0 | 3 PHASE | No | No | No | No | 399 |
|         | KA 9535ZXT | 100 | 34,567                       | 10,130 | 4,530 | 2.24 | 7.63  | 14.2 | 121.0 | 3 PHASE | No | No | No | No | 399 |
| HBP     | KA 5542ZXT | 70  | 42,400                       | 12,427 | 3,760 | 3.31 | 11.28 | 13.0 | 121.0 | 3 PHASE | No | No | No | No | 399 |
|         | KA 5555ZXT | 90  | 54,720                       | 16,038 | 5,150 | 3.11 | 10.63 | 15.9 | 121.0 | 3 PHASE | No | No | No | No | 399 |
|         | KA 5562ZXT | 100 | 63,000                       | 18,464 | 5,885 | 3.14 | 10.71 | 17.3 | 121.0 | 3 PHASE | No | No | No | No | 399 |

|     |            |    |                              |       |       |      |      |      |       |        |    |    |    |    |     |
|-----|------------|----|------------------------------|-------|-------|------|------|------|-------|--------|----|----|----|----|-----|
|     |            |    | <b>208-230V / 60Hz / 1Ph</b> |       |       |      |      |      |       |        |    |    |    |    |     |
| LBP | KA 2512Z-2 | 93 | 12,370                       | 3,625 | 3,120 | 1.16 | 3.96 | 14.5 | 110.0 | C.S.R. | No | No | No | No | 399 |

|              |            |     |                              |        |       |      |       |     |      |         |    |    |    |    |     |
|--------------|------------|-----|------------------------------|--------|-------|------|-------|-----|------|---------|----|----|----|----|-----|
| <b>R407C</b> |            |     | <b>380-420V / 50Hz / 3Ph</b> |        |       |      |       |     |      |         |    |    |    |    |     |
| HBP/AC       | KA 5560GXG | 100 | 53,000                       | 15,534 | 4,736 | 3.28 | 11.19 | 8.7 | 62.0 | 3 PHASE | No | No | No | No | 399 |

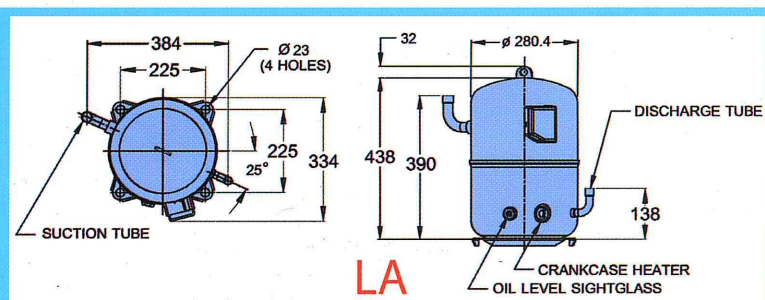
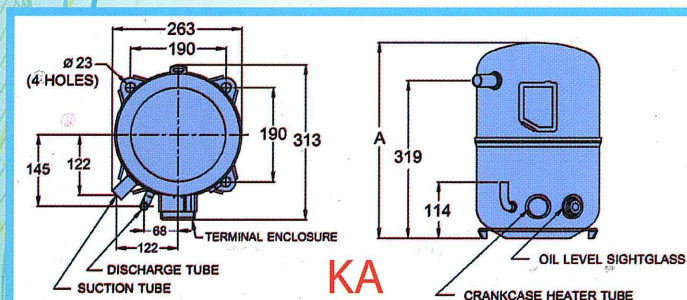
|        |            |     |                              |        |       |      |       |      |      |         |    |    |    |    |     |
|--------|------------|-----|------------------------------|--------|-------|------|-------|------|------|---------|----|----|----|----|-----|
|        |            |     | <b>440-460V / 60Hz / 3Ph</b> |        |       |      |       |      |      |         |    |    |    |    |     |
| HBP/AC | KA 5560GXG | 100 | 58,000                       | 16,999 | 5,466 | 3.11 | 10.61 | 10.0 | 70.0 | 3 PHASE | No | No | No | No | 399 |



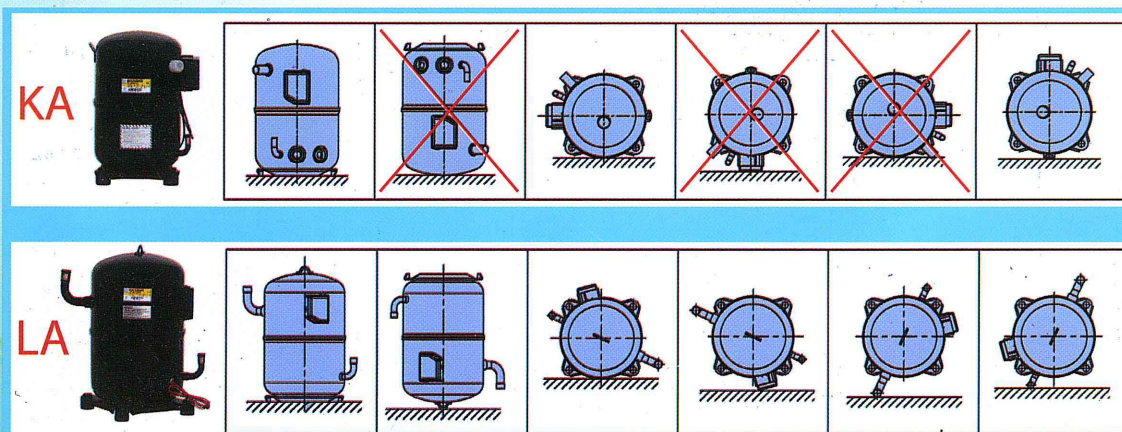
| App.       | Model      | Disp.<br>(cc) | Cooling Capacity       |        | Input<br>(W) | COP<br>(W/W) | EER<br>(BTU/W-Hr) | RLA<br>(A) | LRA<br>(A) | Motor<br>Type | Start CAP. |     | Run CAP. |     | Dim.<br>"A" |
|------------|------------|---------------|------------------------|--------|--------------|--------------|-------------------|------------|------------|---------------|------------|-----|----------|-----|-------------|
|            |            |               | (BTU/Hr)               | (W)    |              |              |                   |            |            |               | MFD        | VAC | MFD      | VAC |             |
| R22        |            |               | 380-420V / 50Hz / 3Ph. |        |              |              |                   |            |            |               |            |     |          |     |             |
| HBP/AC     | LA 5590EXG | 174           | 75,000                 | 21,980 | 7,580        | 2.90         | 9.89              | 14.4       | 60.0       | 3 PHASE       | No         | No  | No       | No  | 438         |
|            | LA 5610EXG | 197           | 87,000                 | 25,498 | 8,790        | 2.90         | 9.90              | 15.8       | 80.0       | 3 PHASE       | No         | No  | No       | No  | 454         |
|            | LA 5612EXG | 211           | 97,000                 | 28,430 | 9,800        | 2.90         | 9.90              | 19.7       | 85.0       | 3 PHASE       | No         | No  | No       | No  | 454         |
|            |            |               | 440-460V / 60Hz / 3Ph. |        |              |              |                   |            |            |               |            |     |          |     |             |
| HBP/AC     | LA 5590EXG | 174           | 90,000                 | 26,378 | 9,090        | 2.90         | 9.90              | 15.5       | 60.0       | 3 PHASE       | No         | No  | No       | No  | 438         |
|            | LA 5610EXG | 197           | 105,000                | 30,774 | 10,600       | 2.90         | 9.91              | 18.9       | 80.0       | 3 PHASE       | No         | No  | No       | No  | 454         |
|            | LA 5612EXG | 211           | 120,000                | 35,170 | 12,120       | 2.90         | 9.90              | 21.0       | 85.0       | 3 PHASE       | No         | No  | No       | No  | 454         |
|            |            |               | 380V / 60Hz / 3Ph.     |        |              |              |                   |            |            |               |            |     |          |     |             |
| HBP/AC     | LA 5590EXI | 174           | 90,000                 | 26,378 | 9,090        | 2.90         | 9.90              | 15.5       | 70.0       | 3 PHASE       | No         | No  | No       | No  | 438         |
|            | LA 5610EXI | 197           | 105,000                | 30,774 | 10,600       | 2.90         | 9.91              | 18.9       | 120.0      | 3 PHASE       | No         | No  | No       | No  | 454         |
|            | LA 5612EXI | 211           | 120,000                | 35,170 | 12,120       | 2.90         | 9.90              | 21.0       | 85.0       | 3 PHASE       | No         | No  | No       | No  | 454         |
|            |            |               | 200-220V / 50Hz / 3Ph. |        |              |              |                   |            |            |               |            |     |          |     |             |
| HBP/AC     | LA 5590EXT | 174           | 75,000                 | 21,980 | 7,580        | 2.90         | 9.90              | 22.3       | 121.0      | 3 PHASE       | No         | No  | No       | No  | 438         |
|            | LA 5610EXT | 197           | 87,000                 | 25,498 | 8,790        | 2.90         | 9.90              | 27.0       | 208.0      | 3 PHASE       | No         | No  | No       | No  | 454         |
|            | LA 5612EXT | 211           | 97,000                 | 28,430 | 9,800        | 2.90         | 9.90              | 30.0       | 85.0       | 3 PHASE       | No         | No  | No       | No  | 454         |
|            |            |               | 200-230V / 60Hz / 3Ph. |        |              |              |                   |            |            |               |            |     |          |     |             |
| HBP/AC     | LA 5590EXT | 174           | 90,000                 | 26,400 | 9,090        | 2.90         | 9.90              | 26.7       | 121.0      | 3 PHASE       | No         | No  | No       | No  | 438         |
|            | LA 5610EXT | 197           | 105,000                | 30,774 | 10,600       | 2.90         | 9.91              | 32.7       | 208.0      | 3 PHASE       | No         | No  | No       | No  | 454         |
|            | LA 5612EXT | 211           | 120,000                | 35,170 | 12,120       | 2.90         | 9.90              | 32.0       | 85.0       | 3 PHASE       | No         | No  | No       | No  | 454         |
| R404A/R507 |            |               | 380-420V / 50Hz / 3Ph. |        |              |              |                   |            |            |               |            |     |          |     |             |
| HBP        | LA 5590ZXG | 174           | 73,815                 | 21,634 | 7,230        | 2.99         | 10.21             | 14.6       | 60.0       | 3 PHASE       | No         | No  | No       | No  | 438         |
|            | LA 5610ZXG | 197           | 87,000                 | 25,498 | 8,790        | 2.90         | 9.90              | 15.8       | 80.0       | 3 PHASE       | No         | No  | No       | No  | 454         |
|            | LA 5612ZXG | 211           | 97,000                 | 28,429 | 9,800        | 2.90         | 9.90              | 19.7       | 85.0       | 3 PHASE       | No         | No  | No       | No  | 454         |
|            |            |               | 440-460V / 60Hz / 3Ph. |        |              |              |                   |            |            |               |            |     |          |     |             |
| HBP        | LA 5590ZXG | 174           | 88,580                 | 25,961 | 8,850        | 2.93         | 10.01             | 14.5       | 60.0       | 3 PHASE       | No         | No  | No       | No  | 438         |
|            | LA 5610ZXG | 197           | 105,000                | 30,774 | 10,600       | 2.90         | 9.91              | 18.9       | 80.0       | 3 PHASE       | No         | No  | No       | No  | 454         |
|            | LA 5612ZXG | 211           | 120,000                | 35,170 | 12,120       | 2.90         | 9.90              | 21.0       | 85.0       | 3 PHASE       | No         | No  | No       | No  | 454         |
| R407C      |            |               | 380-420V / 50Hz / 3Ph. |        |              |              |                   |            |            |               |            |     |          |     |             |
| HBP/AC     | LA 5590GXG | 174           | 75,000                 | 21,980 | 7,580        | 2.90         | 9.89              | 14.4       | 60.0       | 3 PHASE       | No         | No  | No       | No  | 438         |
|            | LA 5612GXG | 211           | 97,000                 | 28,430 | 9,800        | 2.90         | 9.90              | 19.7       | 85.0       | 3 PHASE       | No         | No  | No       | No  | 454         |
|            |            |               | 440-460V / 60Hz / 3Ph. |        |              |              |                   |            |            |               |            |     |          |     |             |
| HBP/AC     | LA 5590GXG | 174           | 90,000                 | 26,378 | 9,090        | 2.90         | 9.90              | 15.5       | 60.0       | 3 PHASE       | No         | No  | No       | No  | 438         |
|            | LA 5612GXG | 211           | 120,000                | 35,170 | 12,120       | 2.90         | 9.90              | 21.0       | 85.0       | 3 PHASE       | No         | No  | No       | No  | 454         |

## KA/LA Compressor

General Dimensions (mm.)



## Allowable Positions For Shipping After Compressor Assembly





## CONDENSING UNIT

| Model        | App. | HP    | Motor Type | Receiver Type | Nominal Capacity |       |        |       | Fan Motor   |           | Fan Blade |                    | Dimensions (mm.) |     |     |
|--------------|------|-------|------------|---------------|------------------|-------|--------|-------|-------------|-----------|-----------|--------------------|------------------|-----|-----|
|              |      |       |            |               | Watt             |       | BTU/Hr |       | Output Watt | FLA. Amps | Blade     | Diameter inch (OD) | H D W            |     |     |
|              |      |       |            |               | 50 Hz            | 60 Hz | 50 Hz  | 60 Hz |             |           |           |                    |                  |     |     |
| R134a        |      |       |            |               |                  |       |        |       |             |           |           |                    |                  |     |     |
| CAE 1360YB-1 | HBP  | 1/16  | R.S.I.R.   | WITH          | -                | 189   | -      | 645   | 9           | 0.25      | 5         | 9.05               | 279              | 470 | 330 |
| CAE 2410YA   | LBP  | 2/9   | C.S.I.R.   | LESS          | 270              | -     | 921    | -     | 13          | 0.32      | 5         | 9.05               | 279              | 470 | 330 |
| CAE 2410YA-2 | LBP  | 1/4   | C.S.I.R.   | LESS          | -                | 312   | -      | 1,065 | 7           | 0.25      | 5         | 8.00               | 254              | 450 | 340 |
| CAE 2410YB   | LBP  | 2/9   | C.S.I.R.   | WITH          | 270              | -     | 921    | -     | 13          | 0.32      | 5         | 9.05               | 279              | 470 | 330 |
| CAE 2413YA   | LBP  | 2/7   | C.S.I.R.   | LESS          | 330              | -     | 1,126  | -     | 13          | 0.32      | 5         | 9.05               | 279              | 470 | 330 |
| CAE 2413YA-2 | LBP  | 1/3   | C.S.R.     | LESS          | -                | 372   | -      | 1,269 | 13          | 0.32      | 5         | 9.05               | 279              | 470 | 330 |
| CAE 2413YB   | LBP  | 2/7   | C.S.I.R.   | WITH          | 330              | -     | 1,126  | -     | 13          | 0.32      | 5         | 9.05               | 279              | 470 | 330 |
| CAE 2413YB-2 | LBP  | 1/3   | C.S.R.     | WITH          | -                | 372   | -      | 1,269 | 13          | 0.32      | 5         | 9.05               | 279              | 470 | 330 |
| CAE 2415YA   | LBP  | 1/3   | C.S.R.     | LESS          | 370              | -     | 1,262  | -     | 13          | 0.32      | 5         | 9.05               | 279              | 470 | 330 |
| CAE 2415YB   | LBP  | 1/3   | C.S.R.     | WITH          | 370              | -     | 1,262  | -     | 13          | 0.32      | 5         | 9.05               | 279              | 470 | 330 |
| CAE 3425YB-1 | HBP  | 1/6   | R.S.I.R.   | WITH          | -                | 802   | -      | 1,958 | 13          | 0.32      | 5         | 9.00               | 279              | 470 | 330 |
| CAE 4435YA   | HBP  | 1/4   | C.S.I.R.   | LESS          | 902              | -     | 3,078  | -     | 7           | 0.22      | 5         | 8.00               | 254              | 450 | 340 |
| CAE 4440YB-1 | HBP  | 1/3   | C.S.R.     | WITH          | -                | 1,174 | -      | 4,006 | 7           | 0.53      | 5         | 9.00               | 284              | 470 | 330 |
| CAE 4448YA   | HBP  | 1/3   | C.S.I.R.   | LESS          | 1,190            | -     | 4,060  | -     | 7           | 0.22      | 5         | 8.00               | 336              | 500 | 435 |
| CAE 7423YB   | MBP  | 1/4   | C.S.I.R.   | WITH          | 574              | -     | 1,958  | -     | 13          | 0.32      | 5         | 9.00               | 279              | 470 | 330 |
| CAE 7423YB-2 | MBP  | 2/7   | C.S.I.R.   | WITH          | -                | 670   | -      | 2,286 | 13          | 0.32      | 5         | 9.00               | 279              | 470 | 330 |
| CAE 7423YC   | MBP  | 1/4   | C.S.I.R.   | WITH          | 574              | -     | 1,958  | -     | 13          | 0.32      | 5         | 9.00               | 279              | 470 | 330 |
| CAE 7430YB   | MBP  | 1/3   | C.S.R.     | WITH          | 745              | -     | 2,542  | -     | 13          | 0.32      | 5         | 9.00               | 279              | 470 | 330 |
| CAE 7430YB-2 | MBP  | 3/8   | C.S.R.     | WITH          | -                | 866   | -      | 2,955 | 13          | 0.32      | 5         | 9.00               | 279              | 470 | 330 |
| CAE 7430YC   | MBP  | 1/3   | C.S.I.R.   | WITH          | 745              | -     | 2,542  | -     | 13          | 0.32      | 5         | 9.00               | 279              | 470 | 330 |
| CAE 9437YB   | MBP  | 2/5   | C.S.R.     | WITH          | 920              | -     | 3,139  | -     | 13          | 0.32      | 5         | 9.00               | 279              | 470 | 330 |
|              | HBP  | 1/2   |            |               | 1,680            |       | 5,732  |       |             |           |           |                    |                  |     |     |
| CAE 9437YB-1 | CBP  | 3/7   | C.S.R.     | WITH          | -                | 986   | -      | 3,363 | 13          | 0.32      | 5         | 9.05               | 279              | 470 | 330 |
| CAE 9437YC   | MBP  | 2/5   | C.S.R.     | WITH          | 920              | -     | 3,139  | -     | 13          | 0.32      | 5         | 9.00               | 279              | 470 | 330 |
|              | HBP  | 1/2   |            |               | 1,680            |       | 5,732  |       |             |           |           |                    |                  |     |     |
| CBA 9437YB   | MBP  | 2/5   | C.S.R.     | WITH          | 920              | -     | 3,139  | -     | 28          | 0.60      | 5         | 11.80              | 319              | 550 | 435 |
|              | HBP  | 1/2   |            |               | 1,680            |       | 5,732  |       |             |           |           |                    |                  |     |     |
| CWJ 9440YB-1 | CBP  | 1/2   | C.S.R.     | WITH          | -                | 1,180 | -      | 4,026 | 40          | 0.91      | 5         | 12.00              | 369              | 620 | 520 |
| CWJ 9440YB-2 | CBP  | 1/2   | C.S.R.     | WITH          | -                | 1,158 | -      | 3,951 | 40          | 0.91      | 5         | 12.00              | 369              | 620 | 520 |
| CWJ 9460YB   | CBP  | 2/3   | C.S.R.     | WITH          | -                | 1,580 | -      | 5,391 | 41          | 0.37      | 5         | 12.00              | 369              | 620 | 520 |
| CAW 4515YB   | MBP  | 2/3   | C.S.R.     | WITH          | 1,568            | -     | 5,350  | -     | 28          | 0.60      | 5         | 11.80              | 422              | 550 | 860 |
|              | HBP  | 1     |            |               | 3,526            |       | 12,031 |       |             |           |           |                    |                  |     |     |
| CAW 4517YB   | MBP  | 1     | C.S.R.     | WITH          | 2,150            | -     | 7,336  | -     | 28          | 0.60      | 5         | 12.00              | 421              | 550 | 860 |
|              | HBP  | 1 2/9 |            |               | 4,298            |       | 14,665 |       |             |           |           |                    |                  |     |     |
| CAW 4519YB   | MBP  | 4/7   | C.S.R.     | WITH          | 1,340            | -     | 4,572  | -     | 28          | 0.60      | 5         | 11.80              | 422              | 550 | 860 |
|              | HBP  | 7/8   |            |               | 3,090            |       | 10,543 |       |             |           |           |                    |                  |     |     |
| R404A/R507   |      |       |            |               |                  |       |        |       |             |           |           |                    |                  |     |     |
| CAE 2420ZB-2 | LBP  | 1/2   | C.S.R.     | WITH          | -                | 575   | -      | 1,962 | 13          | 0.32      | 5         | 9.05               | 279              | 470 | 330 |
| CAE 2425ZB-2 | LBP  | 4/7   | C.S.R.     | WITH          | -                | 670   | -      | 2,286 | 13          | 0.32      | 5         | 9.05               | 279              | 470 | 330 |
| CAE 4440ZB-1 | HBP  | 3/8   | C.S.R.     | WITH          | -                | 1,318 | -      | 4,500 | 13          | 0.32      | 5         | 9.05               | 279              | 470 | 330 |
| CWJ 2435ZB   | LBP  | 5/7   | C.S.R.     | WITH          | 850              | -     | 2,900  | -     | 28          | 0.60      | 5         | 10.00              | 336              | 550 | 435 |
| CWJ 2440ZB   | LBP  | 5/6   | C.S.R.     | WITH          | 967              | -     | 3,299  | -     | 28          | 0.60      | 5         | 11.80              | 336              | 550 | 435 |
| CWJ 2450ZB   | LBP  | 1     | C.S.R.     | WITH          | 1,114            | -     | 3,800  | -     | 28          | 0.60      | 5         | 11.80              | 336              | 550 | 435 |
| CWJ 2455ZA   | LBP  | 1 1/6 | C.S.R.     | LESS          | 1,378            | -     | 4,702  | -     | 28          | 0.60      | 5         | 10.00              | 336              | 550 | 435 |



## CONDENSING UNIT

| Model        | App. | HP    | Motor Type | Receiver Type | Nominal Capacity |       |        |        | Fan Motor   |           | Fan Blade |                    | Dimensions (mm.) |     |     |
|--------------|------|-------|------------|---------------|------------------|-------|--------|--------|-------------|-----------|-----------|--------------------|------------------|-----|-----|
|              |      |       |            |               | Watt             |       | BTU/Hr |        | Output Watt | FLA. Amps | Blade     | Diameter inch (OD) | Dimensions (mm.) |     |     |
|              |      |       |            |               | 50 Hz            | 60 Hz | 50 Hz  | 60 Hz  |             |           |           |                    | H                | D   | W   |
| CWJ 2455ZA-  | LBP  | 1 1/6 | C.S.R.     | LESS          | 1,378            | -     | 4,702  | -      | 28          | 0.60      | 5         | 11.80              | 336              | 550 | 435 |
| CWJ 2455ZB   | LBP  | 1 1/6 | C.S.R.     | WITH          | 1,378            | -     | 4,702  | -      | 28          | 0.60      | 5         | 12.00              | 336              | 550 | 435 |
| CWJ 2435ZA   | LBP  | 5/7   | C.S.R.     | LESS          | 850              | -     | 2,900  | -      | 28          | 0.60      | 5         | 10.00              | 336              | 550 | 435 |
| CWJ 9485ZB   | MBP  | 1     | C.S.R.     | WITH          | 2,180            | -     | 7,438  | -      | 41          | 0.37      | 5         | 11.80              | 336              | 550 | 435 |
|              | HBP  | 1     |            |               | 3,790            |       | 12,931 |        |             |           |           |                    |                  |     |     |
| CWJ 9490ZB   | MBP  | 1     | C.S.R.     | WITH          | 2,345            | -     | 8,001  | -      | 28          | 0.60      | 5         | 11.80              | 336              | 550 | 435 |
|              | HBP  | 1 1/8 |            |               | 3,986            |       | 13,600 |        |             |           |           |                    |                  |     |     |
| CWJ 9490ZB-2 | MBP  | 1 1/7 | C.S.R.     | WITH          | -                | 2,696 | -      | 9,200  | 40          | 0.91      | 5         | 11.80              | 336              | 550 | 435 |
|              | HBP  | 1 2/7 |            |               |                  | 4,490 |        | 15,320 |             |           |           |                    |                  |     |     |
| CWJ 9513ZB   | MBP  | 1 1/3 | C.S.R.     | WITH          | 3,157            | -     | 10,770 | -      | 28          | 0.60      | 5         | 11.80              | 336              | 550 | 435 |
|              | HBP  | 1 1/2 |            |               | 5,334            |       | 18,200 |        |             |           |           |                    |                  |     |     |
| CWJ 9513ZB-2 | MBP  | 1 5/9 | C.S.R.     | WITH          | -                | 3,650 | -      | 12,454 | 40          | 0.91      | 5         | 12.00              | 319              | 500 | 435 |
|              | HBP  | 1 7/9 |            |               |                  | 6,256 |        | 21,345 |             |           |           |                    |                  |     |     |
| CAW 2450ZB   | LBP  | 1     | C.S.R.     | WITH          | 1,244            | -     | 4,245  | -      | 28          | 0.60      | 5         | 11.80              | 336              | 500 | 435 |
| CAW 2462ZB   | LBP  | 1 1/3 | C.S.R.     | WITH          | 1,525            | -     | 5,203  | -      | 28          | 0.60      | 5         | 11.80              | 422              | 550 | 860 |
| CAW 2464ZB   | LBP  | 1 1/3 | C.S.R.     | WITH          | 1,580            | -     | 5,391  | -      | 28          | 0.60      | 5         | 11.80              | 422              | 550 | 860 |
| CAW 2464ZB-2 | LBP  | 1 2/3 | C.S.R.     | WITH          | -                | 1,938 | -      | 6,612  | 40          | 0.91      | 5         | 11.80              | 337              | 500 | 635 |
| CAW 2464ZB-9 | LBP  | 1 3/7 | 3 PHASE    | WITH          | 1,671            | 1,905 | 5,700  | 6,500  | 28          | 0.60      | 5         | 11.80              | 336              | 500 | 435 |
| CAW 2495ZB   | LBP  | 2     | C.S.R.     | WITH          | 2,322            | -     | 7,923  | -      | 28          | 0.60      | 5         | 11.80              | 396              | 550 | 860 |
| CAW 2495ZB-9 | LBP  | 2     | 3 PHASE    | WITH          | 2,393            | 2,544 | 8,165  | 8,680  | 28          | 0.60      | 5         | 11.80              | 421              | 550 | 860 |

## R22

| PUMP         |     |       | PUMP DATA |      |       |       |        |        |    |      |   |       |     |     |     |
|--------------|-----|-------|-----------|------|-------|-------|--------|--------|----|------|---|-------|-----|-----|-----|
| CAE 4448EB   | HBP | 1/3   | C.S.R.    | WITH | 1,172 | -     | 3,999  | -      | 13 | 0.32 | 5 | 9.05  | 284 | 470 | 330 |
| CAE 4474EB   | HBP | 1/3   | C.S.R.    | WITH | 1,800 | -     | 4,142  | -      | 28 | 0.60 | 5 | 11.80 | 336 | 500 | 435 |
| CAE 7422EB   | MBP | 1/4   | C.S.I.R.  | WITH | 550   | -     | 1,877  | -      | 7  | 0.22 | 5 | 9.05  | 279 | 470 | 330 |
| CAE 7435EA   | MBP | 3/8   | C.S.R.    | LESS | 870   | -     | 2,968  | -      | 7  | 0.32 | 5 | 9.00  | 279 | 470 | 330 |
| CAE 7435EB   | MBP | 3/8   | C.S.R.    | WITH | 870   | -     | 2,968  | -      | 13 | 0.32 | 5 | 9.05  | 279 | 470 | 330 |
| CAE 7440EB   | MBP | 3/7   | C.S.R.    | WITH | 1,010 | -     | 3,446  | -      | 13 | 0.32 | 5 | 9.00  | 284 | 470 | 330 |
| CAE 7440EC   | MBP | 3/7   | C.S.R.    | WITH | 1,010 | -     | 3,446  | -      | 7  | 1.22 | 5 | 8.00  | 279 | 470 | 330 |
| CWJ 9480EB   | CBP | 4/5   | C.S.R.    | WITH | 1,900 | -     | 6,483  | -      | 41 | 0.37 | 5 | 11.80 | 369 | 620 | 520 |
| CAW 5522EB-9 | HBP | 1 1/2 | 3 PHASE   | WITH | 5,143 | 6,213 | 17,548 | 21,199 | 41 | 0.37 | 5 | 11.80 | 421 | 550 | 860 |
| CAW 5524EB-9 | HBP | 1 2/3 | 3 PHASE   | WITH | 5,802 | 6,909 | 19,795 | 23,572 | 28 | 0.60 | 5 | 11.80 | 421 | 550 | 860 |
| CAW 5524EC   | HBP | 1 3/4 | PSC       | WITH | 6,140 | -     | 20,950 | -      | 28 | 0.60 | 5 | 10.00 | 336 | 550 | 435 |
| CAW 5528EB-9 | HBP | 2     | 3 PHASE   | WITH | 6,800 | 8,270 | 23,202 | 28,217 | 28 | 0.60 | 5 | 11.80 | 421 | 550 | 860 |
| CAW 5530EC   | HBP | 2     | PSC       | WITH | 7,327 | -     | 25,000 | -      | 28 | 0.60 | 5 | 12.00 | 421 | 550 | 860 |

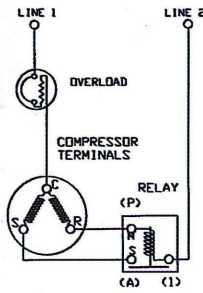
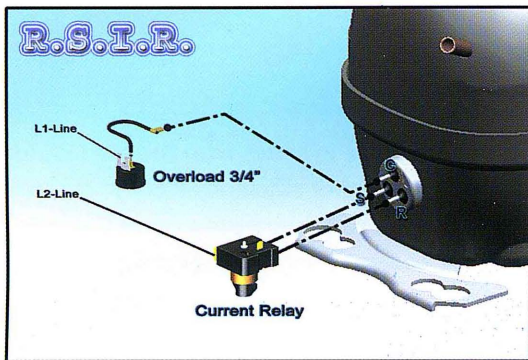
## R407C

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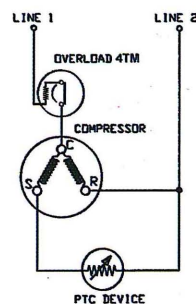
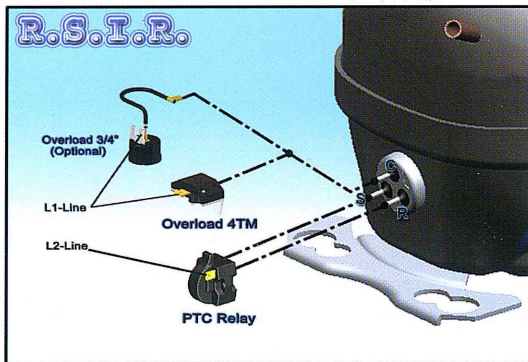
## MOTOR TYPE / WIRING DIAGRAM

### RSIR: Resistance Start Induction Run



RSIR motor with current relay:

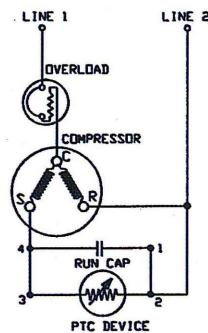
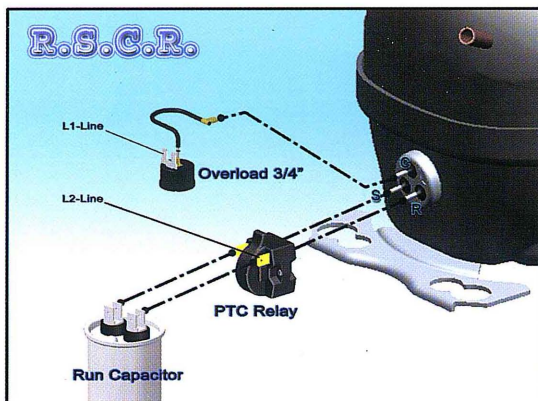
The motors have a normal starting torque and are designed for completely self-equalizing capillary tube.



RSIR motor with PTC relay:

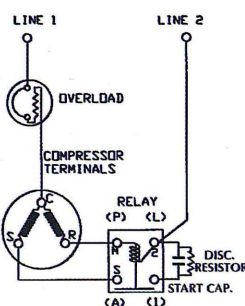
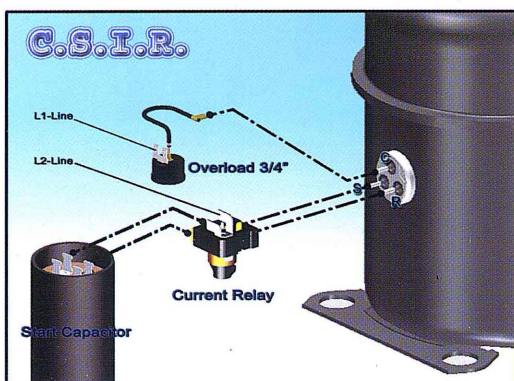
The motor functioning is similar to the RSIR with current relay motor, except for the current relay, which is replaced by the PTC relay.

### RSCR: Resistance Start Capacitor Run



The motors have a PTC starting torque and a run capacitor. Their functioning is similar to the PSC motor. These compressors have a normal starting torque.

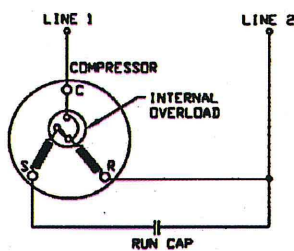
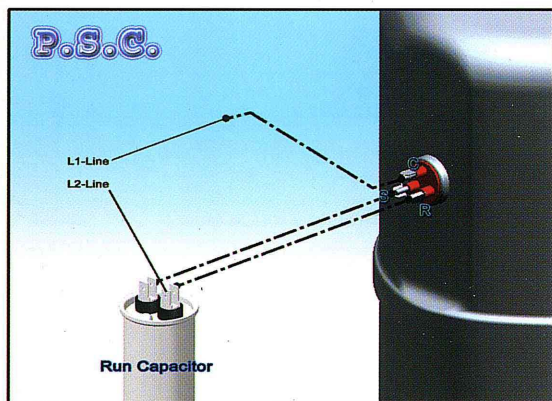
### CSIR: Capacitor Start Induction Run



The motors have a high starting torque, using an electrolytic starting capacitor. Recommended for applications with capillary tube or expansion valve systems.

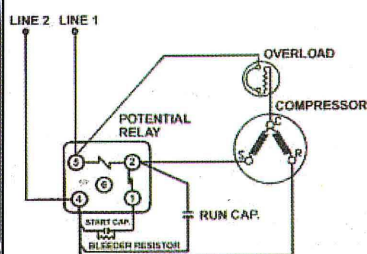
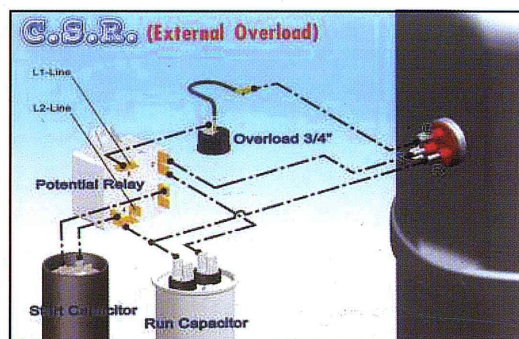
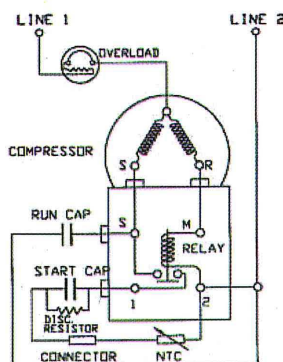
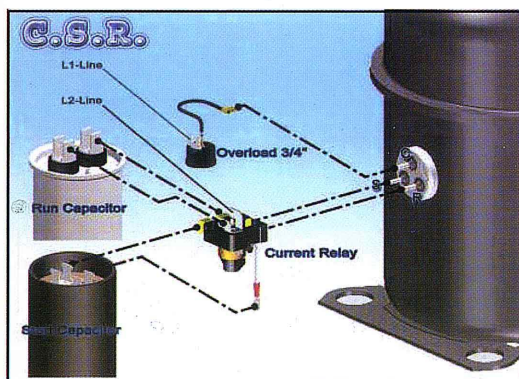


### PSC: Permanent Split Capacitor

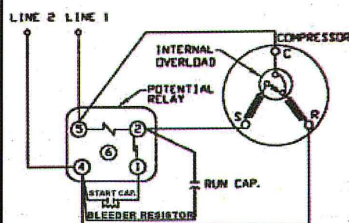
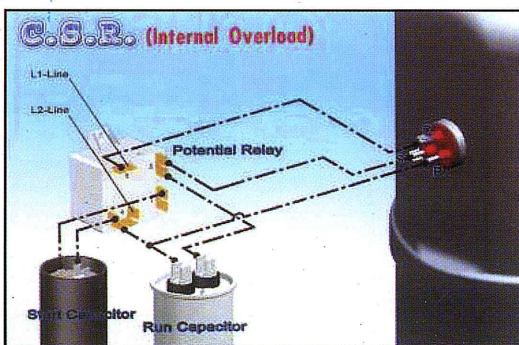


A run capacitor in series with the start winding produces a higher efficiency (EER) in comparison to a RSIR motor. They have a normal starting torque and are designed for capillary tube control devices, with equalized pressures.

### CSR: Capacitor Start Capacitor Run



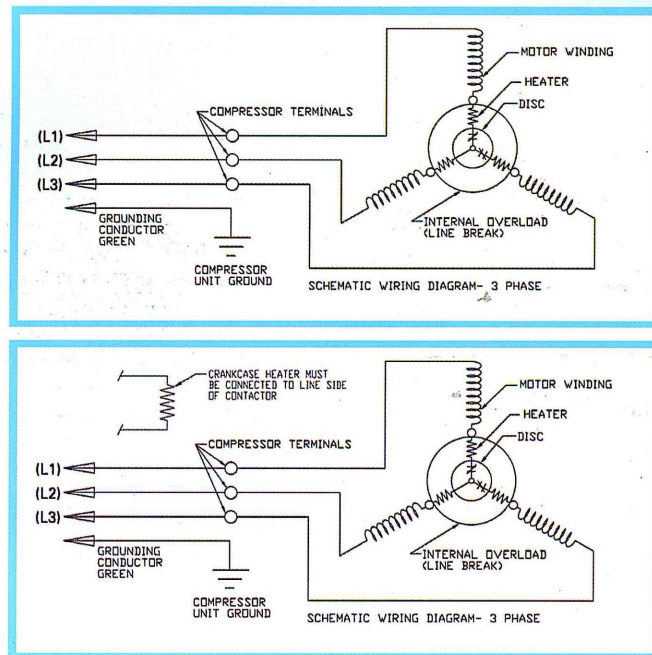
This motor arrangement uses a start capacitor added to a PSC circuit. The high starting torque is suitable for unequalized systems with capillary tube or expansion valve, maintaining the same efficiency of a PSC motor.





### 3 Phase Motor

Excellent starting torque, a wide operating voltage range, no ancillary starting devices (relays, capacitor), reduced starting load on any individual phase and minimal impact on nearby lighting, etc.



### Rating Conditions (ASHRAE-T) for All Series

|                         | LBP                           | MBP/CBP                          | HBP/AC                         |
|-------------------------|-------------------------------|----------------------------------|--------------------------------|
| - Evaporating Temp.     | -10°F / -23.3°C               | 20°F / -6.7°C                    | 45°F / 7.2°C                   |
| - Condensing Temp.      | 130°F / 54.4°C                | 130°F / 54.4°C                   | 130°F / 54.4°C                 |
| - Return Gas Temp.      | 90°F / 32°C                   | 95°F / 35°C                      | 95°F / 35°C                    |
| - Liquid entering Temp. | 90°F / 32°C                   | 115°F / 46°C                     | 115°F / 46°C                   |
| - Room Ambient          | 90°F / 32°C                   | 95°F / 35°C                      | 95°F / 35°C                    |
| - Application Range     | -34 to -12°C<br>(-29 to 10°F) | -23 to 12.7°C<br>(-9.4 to 9.1°F) | -6.7 to 12.7°C<br>(20 to 55°F) |

### Conversion Factor

Capacity in HP (Horse Power)

in High Back Pressure (HBP) and Air Conditioning (HBP/AC)

$$\text{HP} = \frac{\text{Performance at 60Hz in Btu/hr}}{12000}$$

in Medium / Commercial Back Pressure (M / CBP)

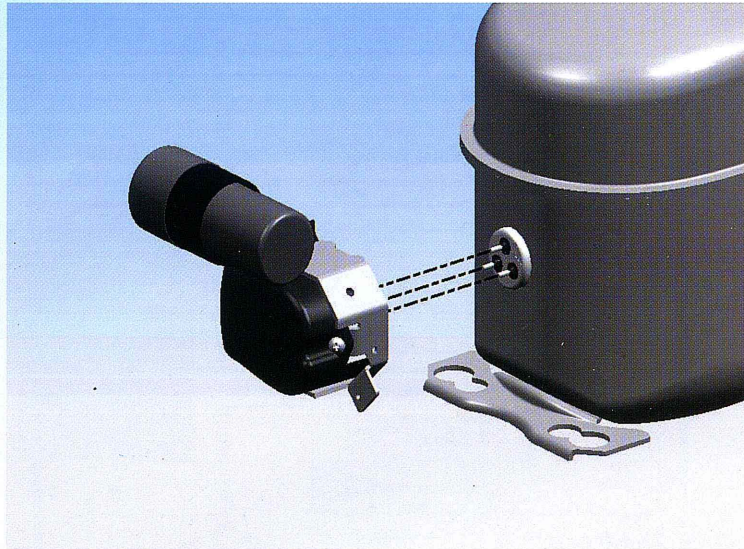
$$\text{HP} = \frac{\text{Performance at 60Hz in Btu/hr}}{8000}$$

in Low Back Pressure (LBP)

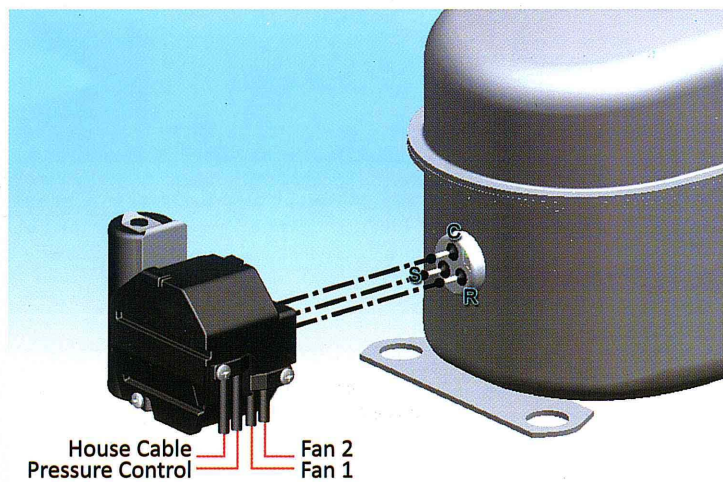
$$\text{HP} = \frac{\text{Performance at 60Hz in Btu/hr}}{4000}$$



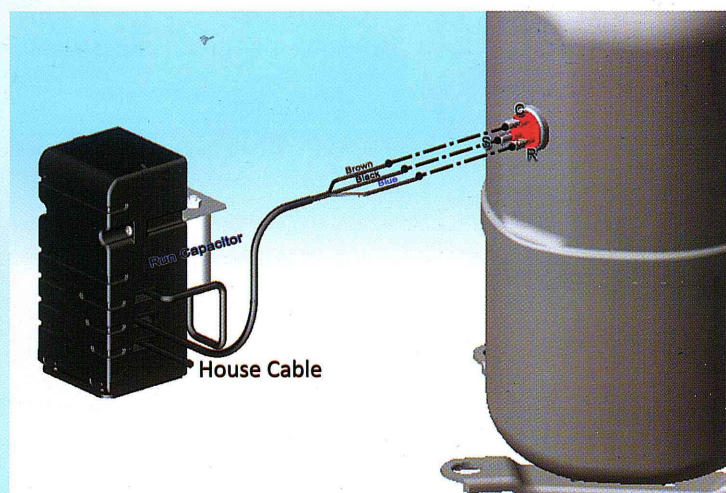
### Electrical Assembly (Normal Type) for AE, BA Series (Current Relay, External Overload, Start Capacitor)



### Electrical Terminal Box for AE, BA Series (Current Relay, External Overload, Start Capacitor)



### Electrical Terminal Box for AW, WJ Series (Potential Relay, Internal Overload, Start and Run Capacitor)



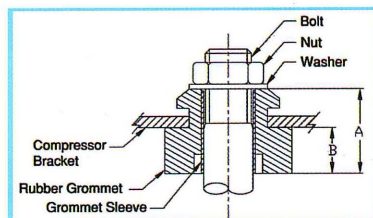


# SERIAL PLATE LABEL & COMPRESSOR MOUNTING SYSTEM

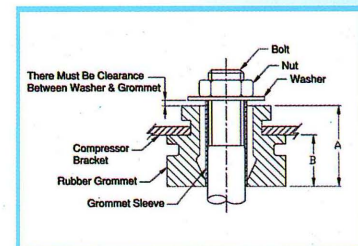
## Serial Plate Label



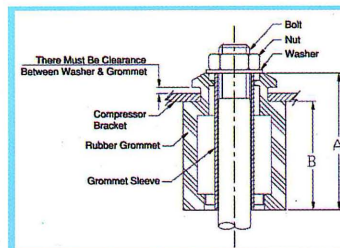
## Compressor Mounting System



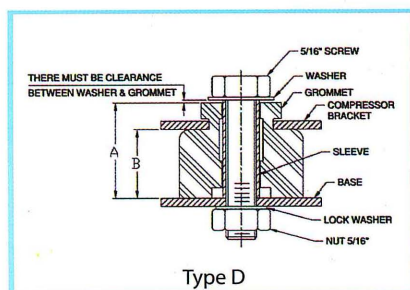
Type A



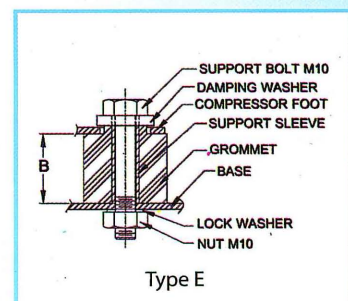
Type B



Type C



Type D



Type E

| Series            | Type | High "A" (mm.) | High "B" (mm.) |
|-------------------|------|----------------|----------------|
| AZ, AZA<br>AE, BA | A    | 17.5           | 9.5            |
|                   | B    | 21.8           | 13.9           |
|                   | C    | 37             | 29             |
| AW, WJ            | D    | 28.5           | 20.6           |
| KA, LA            | E    | -              | 35             |



# KULTHORN GROUP OF COMPANIES

World - Class Products for Refrigeration and Air - Conditioning

## KPC Kulthorn Premier Co., Ltd.

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 Address : 446/3 Moo 9 Chachoengsao-Nakornratchasima Road,  
 Kabinburi, Prachinburi 25100, Thailand  
 Telephone : (037) 204835,455516  
 Fax : (037) 455525,204844  
 Product : Hermetic Motor Compressors for Refrigeration,  
 undered Sanyo license  
 E-mail : sales\_kpc@kulthorn.com  
 : kamjorn@kulthorn.com



## THACOM

### Thai Compressor Manufacturing Co., Ltd.

Company Registration No. : 0105531076303  
 Address : 33/3 Moo 21 Suwintawong Road, Saladang, Bangnumprio, Chachoengsao 2400  
 Telephone : (038) 593063-67  
 Fax : (038) 593062  
 Product : Rotary compressors for air-conditioner,  
 undered Mitsubishi Heavy Industries license  
 E-mail : thacom@thacom.mhi.co.jp



## KU Kulthorn Electric Co., Ltd.

Address : 125 Soi Chalong Krung 31, Chalongkrung Road, Khwaeng Lam Pla Thio, Kheat Lat Krabang, Bangkok 10520 Thailand  
 Telephone : (662) 2326-0527-8, 326-1204-5, 739-4767-8  
 Fax : (662) 326-0128  
 Product : Fractional Horsepower Motors  
 (PSC and Shaded poles) for Air-Conditioners and Refrigeration Units  
 E-mail : ku@kulthorn-electric.com



## KMC Kulthorn Materials & Controls Co., Ltd.

Address : 1/2 Moo 22 Suvintawong Road, Saladang Bangnumpeaw, Chachoengsao 24000  
 Telephone : (038) 593030-3  
 Fax : (038) 593028  
 Product : Enameled Copper Wires, Gas Pressure Thermostat  
 E-mail : chamnan@kmc.in.th, prommarat@kmc.in.th

PREMIUM MAGNET COPPER AND ALUMINIUM WIRES FOR HERMETIC MOTORS AND OTHER HOME APPLIANCE MOTORS







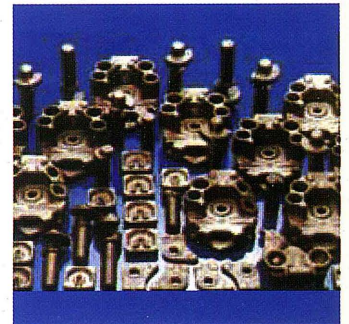
## Suzhou Kulthorn Magnet Wire Co., Ltd.

Address : 18 Long Pu Rd, SIP, Jiangsu Province, 215126 China  
 Telephone : +86 (512) 6283 3750 / +86(512)62650058  
 Fax : +86 (512) 6283 3763  
 Products : Enameled Copper Wires  
 E-mail : sales@pdmagnetwire.com.cn



## Kulthorn Kirby Foundry Co., Ltd.

Company Registration No. : 0105532113601  
 Address : 1 Moo 22 Suwintawong Road, Saladang, Bangnumpeaw, Chachoengsao 24000  
 Telephone : (038) 593016-9  
 Fax : (038) 593015  
 Product : Iron Casting  
 E-mail : direk.t\_kkf@kulthorn.com



## Kulthorn Metal Products Co., Ltd.

Company Registration No. : 0105548043322  
 Address : 123 Soi Chalong Krung 31, Chalongkrung Road, Khwaeng Lamplatew, Khet Ladkrabang Bangkok 10520 Thailand  
 Telephone : (662) 7396638 - 9, 3260314 - 7  
 Fax : (662) 7396643, 3260318  
 Products : Metal Forging, Precision Machining, Heat Treatment (Carburizing)  
 E-mail : chalermchai@kmp05.com



## Kulthorn Steel Co., Ltd.

Company Registration No. : 0105550063921  
 Address : 124 Soi Chalong Krung 31, Chalong Krung Road, Khwaeng Lamplatew, Khet Ladkrabang Bangkok 10520 Thailand  
 Telephone : (662) 7396000  
 Fax : (662) 3260766  
 Products : Slitting, Blanking of Steel Products  
 E-mail : thanawat@kulthorn.com







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