



Kulthorn Group



# HERMETIC COMPRESSORS **Kulthorn Kirby**

World Class Products for  
Refrigeration & Air Conditioning



**Kulthorn Kirby**  
Public Company Limited

# 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 (40) indicating 4,000 BTU/Hr. capacity.

## 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 - 220V/50-60Hz
- 7 - 127V/50-60Hz
- 8 - 110-115V/60Hz

## 3PHASE

- 9 = 380-420V/50Hz , 480V/60Hz
- XG = 380-420V/50Hz , 440-460V/60Hz
- XT = 200-220V/50Hz , 220-230V/60Hz
- XI = 380V/60Hz
- XK = 480V/60Hz
- SR = Start & Run Capacitor.

## Refrigerant

- |                |               |
|----------------|---------------|
| A,V - R12      | G - R22/R407C |
| E - R22        | M - R600a     |
| Y - R134a      | N - R290      |
| Z - R404A/R507 | 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

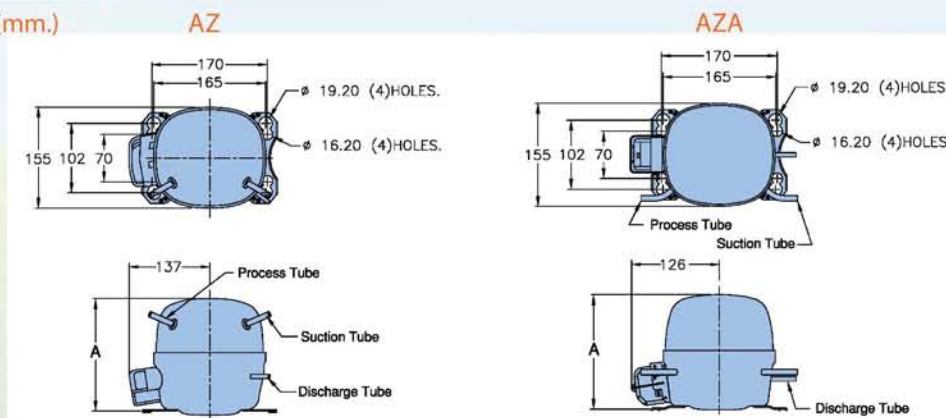
**OUR VISION :** To be the leader in the motor compressor business in ASEAN

## AZ Series

| Model                                       | Voltage | Hz. | App. | Motor Type | Disp. (CC) | Cooling (BTU/Hr) | Cooling (W) | Input (W) | COP W/W | RLA (A) | LRA (A) | Start CAP. |      | Run CAP.     |      | Dim. |
|---------------------------------------------|---------|-----|------|------------|------------|------------------|-------------|-----------|---------|---------|---------|------------|------|--------------|------|------|
|                                             |         |     |      |            |            |                  |             |           |         |         |         | MFD        | VAC. | MFD          | VAC. | "A"  |
| AZ SERIES                                   |         |     |      |            |            |                  |             |           |         |         |         |            |      | R 134a       |      |      |
| 115 V/60 Hz. (LOW BACK PRESSURE)            |         |     |      |            |            |                  |             |           |         |         |         |            |      |              |      |      |
| AZ 1316Y-1                                  | 115     | 60  | LBP  | R.S.I.R.   | 2.23       | 154              | 45          | 62        | 0.73    | 1.1     | 11      | No         | No   | No           | No   | 162  |
| AZ 1320Y-1                                  | 115     | 60  | LBP  | R.S.I.R.   | 2.95       | 242              | 71          | 76        | 0.93    | 1.1     | 11      | No         | No   | No           | No   | 162  |
| AZ 1327Y-1                                  | 115     | 60  | LBP  | R.S.I.R.   | 3.28       | 287              | 84          | 88        | 0.95    | 1.3     | 16      | No         | No   | No           | No   | 168  |
| AZ 1330Y-1                                  | 115     | 60  | LBP  | R.S.I.R.   | 3.59       | 297              | 87          | 93        | 0.94    | 1.3     | 12      | No         | No   | No           | No   | 168  |
| AZ 1340Y-1                                  | 115     | 60  | LBP  | R.S.I.R.   | 5.00       | 450              | 132         | 123       | 1.07    | 1.9     | 20      | No         | No   | No           | No   | 172  |
| AZ 1350Y-1                                  | 115     | 60  | LBP  | R.S.I.R.   | 5.59       | 505              | 148         | 143       | 1.03    | 2.1     | 18      | No         | No   | No           | No   | 178  |
| 220-240 V/50 Hz. (COMMERCIAL BACK PRESSURE) |         |     |      |            |            |                  |             |           |         |         |         |            |      |              |      |      |
| AZ 0349Y                                    | 220-240 | 50  | CBP  | R.S.I.R.   | 2.95       | 512              | 150         | 110       | 1.36    | 0.7     | 7       | No         | No   | No           | No   | 162  |
| AZ 0387Y                                    | 220-240 | 50  | CBP  | R.S.I.R.   | 4.00       | 734              | 215         | 144       | 1.49    | 1.0     | 10      | No         | No   | No           | No   | 172  |
| AZ 0411Y                                    | 220-240 | 50  | CBP  | R.S.I.R.   | 5.59       | 955              | 280         | 189       | 1.48    | 1.2     | 11      | No         | No   | No           | No   | 178  |
| AZ 9387Y                                    | 220-240 | 50  | CBP  | C.S.I.R.   | 4.00       | 734              | 215         | 144       | 1.49    | 1.0     | 10      | 36-43      | 330  | No           | No   | 172  |
| AZ 9411Y                                    | 220-240 | 50  | CBP  | C.S.I.R.   | 5.59       | 955              | 280         | 189       | 1.48    | 1.2     | 11      | 36-43      | 330  | No           | No   | 178  |
| 115 V/60 Hz. (COMMERCIAL BACK PRESSURE)     |         |     |      |            |            |                  |             |           |         |         |         |            |      |              |      |      |
| AZ 0349Y-1                                  | 115     | 60  | CBP  | R.S.I.R.   | 2.95       | 601              | 176         | 125       | 1.41    | 1.5     | 15      | No         | No   | No           | No   | 168  |
| AZ 0370Y-1                                  | 115     | 60  | CBP  | R.S.I.R.   | 3.28       | 652              | 191         | 140       | 1.36    | 1.9     | 17      | No         | No   | No           | No   | 168  |
| AZ 0387Y-1                                  | 115     | 60  | CBP  | R.S.I.R.   | 4.00       | 850              | 249         | 174       | 1.43    | 2.4     | 22      | No         | No   | No           | No   | 172  |
| 208-230 V/60 Hz. (COMMERCIAL BACK PRESSURE) |         |     |      |            |            |                  |             |           |         |         |         |            |      |              |      |      |
| AZ 0387Y-2                                  | 208-230 | 60  | CBP  | R.S.I.R.   | 4.00       | 846              | 248         | 178       | 1.39    | 1.3     | 14      | No         | No   | No           | No   | 172  |
| 220 V/50-60 Hz. (COMMERCIAL BACK PRESSURE)  |         |     |      |            |            |                  |             |           |         |         |         |            |      |              |      |      |
| AZ 0370Y-6                                  | 220     | 50  | CBP  | R.S.I.R.   | 3.28       | 583              | 171         | 124       | 1.38    | 1.0     | 10      | No         | No   | No           | No   | 168  |
|                                             | 220     | 60  | CBP  | R.S.I.R.   | 3.28       | 669              | 196         | 139       | 1.41    | 0.9     | 10      | No         | No   | No           | No   | 168  |
| AZ 0411Y-6                                  | 220     | 50  | CBP  | R.S.I.R.   | 5.59       | 972              | 285         | 215       | 1.33    | 1.7     | 18      | No         | No   | No           | No   | 178  |
|                                             | 220     | 60  | CBP  | R.S.I.R.   | 5.59       | 1,109            | 325         | 233       | 1.39    | 1.5     | 17      | No         | No   | No           | No   | 178  |
| AZ 9411Y-6                                  | 220     | 50  | CBP  | C.S.I.R.   | 5.59       | 972              | 285         | 215       | 1.33    | 1.7     | 9       | 36-43      | 330  | No           | No   | 178  |
|                                             | 220     | 60  | CBP  | C.S.I.R.   | 5.59       | 1,109            | 325         | 233       | 1.39    | 1.5     | 9       | 36-43      | 330  | No           | No   | 178  |
| 220-240 V/50 Hz. (HIGH BACK PRESSURE)       |         |     |      |            |            |                  |             |           |         |         |         |            |      |              |      |      |
| AZ 3414Y                                    | 220-240 | 50  | HBP  | R.S.I.R.   | 4.00       | 1,280            | 375         | 190       | 1.97    | 1.2     | 10      | No         | No   | No           | No   | 172  |
| 115 V/60 Hz. (HIGH BACK PRESSURE)           |         |     |      |            |            |                  |             |           |         |         |         |            |      |              |      |      |
| AZ 3414Y-1                                  | 115     | 60  | HBP  | R.S.I.R.   | 4.00       | 1,518            | 445         | 230       | 1.93    | 2.9     | 20      | No         | No   | No           | No   | 178  |
| 208-230 V/60 Hz. (HIGH BACK PRESSURE)       |         |     |      |            |            |                  |             |           |         |         |         |            |      |              |      |      |
| AZ 3414Y-2                                  | 208-230 | 60  | HBP  | R.S.I.R.   | 4.00       | 1,518            | 445         | 235       | 1.89    | 1.6     | 12      | No         | No   | No           | No   | 172  |
| 100 V/50-60 Hz. (HIGH BACK PRESSURE)        |         |     |      |            |            |                  |             |           |         |         |         |            |      |              |      |      |
| AZ 3414Y-3                                  | 100     | 50  | HBP  | R.S.I.R.   | 4.00       | 1,314            | 385         | 193       | 1.99    | 2.9     | 22      | No         | No   | No           | No   | 178  |
|                                             | 100     | 60  | HBP  | R.S.I.R.   | 4.00       | 1,515            | 444         | 230       | 1.93    | 3.0     | 20      | No         | No   | No           | No   | 178  |
| AZ 3414Y-3                                  | 100     | 50  | HBP  | R.S.C.R.   | 4.00       | 1,341            | 393         | 185       | 2.12    | 2.2     | 16      | No         | No   | 25           | 440  | 178  |
|                                             | 100     | 60  | HBP  | R.S.C.R.   | 4.00       | 1,563            | 458         | 217       | 2.11    | 2.3     | 14      | No         | No   | 25           | 440  | 178  |
| 110 V/60 Hz. (HIGH BACK PRESSURE)           |         |     |      |            |            |                  |             |           |         |         |         |            |      |              |      |      |
| AZ 3414Y-4                                  | 110     | 60  | HBP  | R.S.I.R.   | 4.00       | 1,518            | 445         | 230       | 1.93    | 2.9     | 20      | No         | No   | No           | No   | 178  |
| AZ SERIES                                   |         |     |      |            |            |                  |             |           |         |         |         |            |      | R 404A/R 507 |      |      |
| 220-240 V/50 Hz. (LOW BACK PRESSURE)        |         |     |      |            |            |                  |             |           |         |         |         |            |      |              |      |      |
| AZ 2360Z                                    | 220-240 | 50  | LBP  | C.S.I.R.   | 3.59       | 540              | 158         | 150       | 1.06    | 1.0     | 6       | 36-43      | 330  | No           | No   | 178  |
| AZ 2370Z                                    | 220-240 | 50  | LBP  | C.S.I.R.   | 4.00       | 631              | 185         | 166       | 1.10    | 1.0     | 6       | 36-43      | 330  | No           | No   | 178  |

### AZ/AZA Compressor

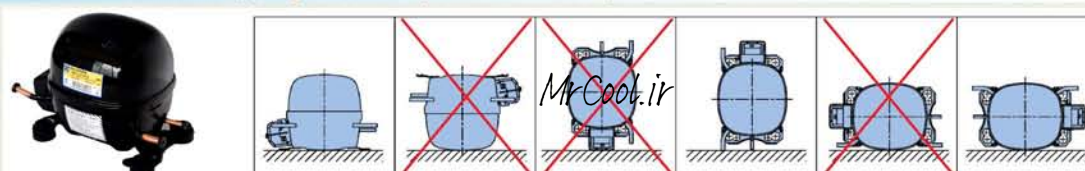
General Dimensions (mm.)



**AZA Series**

| Model                                       | Voltage | Hz. | App. | Motor<br>Type | Disp.<br>(CC) | Cooling<br>(BTU/Hr) | Cooling<br>(W) | Input<br>(W) | COP     |       | RLA<br>(A) | LRA<br>(A) | Start CAP. |      | Run CAP. |      | Dim.<br>"A" |
|---------------------------------------------|---------|-----|------|---------------|---------------|---------------------|----------------|--------------|---------|-------|------------|------------|------------|------|----------|------|-------------|
|                                             |         |     |      |               |               |                     |                |              | W/O Run | W/Run |            |            | MFD        | VAC. | MFD      | VAC. |             |
| AZ A SERIES                                 |         |     |      |               |               |                     |                |              |         |       |            |            |            |      | R 134a   |      |             |
| 220-240 V/50 Hz. (LOW BACK PRESSURE)        |         |     |      |               |               |                     |                |              |         |       |            |            |            |      |          |      |             |
| AZ A1320YK                                  | 220-240 | 50  | LBP  | R.S.I.R.      | 2.50          | 199                 | 58             | 57           | 1.02    | 1.12  | 0.4        | 6          | No         | No   | 4        | 440  | 159         |
| AZ A1327YK                                  | 220-240 | 50  | LBP  | R.S.I.R.      | 3.28          | 252                 | 74             | 73           | 1.01    | 1.23  | 0.5        | 7          | No         | No   | 4        | 440  | 159         |
| AZ A1330YK                                  | 220-240 | 50  | LBP  | R.S.I.R.      | 3.59          | 290                 | 85             | 79           | 1.08    | 1.26  | 0.5        | 8          | No         | No   | 4        | 440  | 159         |
| AZ A1335YK                                  | 220-240 | 50  | LBP  | R.S.I.R.      | 3.80          | 328                 | 96             | 82           | 1.17    | 1.28  | 0.6        | 3          | No         | No   | 4        | 440  | 168         |
| AZ A1340YK                                  | 220-240 | 50  | LBP  | R.S.I.R.      | 4.00          | 375                 | 110            | 92           | 1.20    | 1.34  | 0.7        | 5          | No         | No   | 4        | 440  | 172         |
| AZ A1350YK                                  | 220-240 | 50  | LBP  | R.S.I.R.      | 5.00          | 457                 | 134            | 109          | 1.23    | 1.33  | 0.8        | 6          | No         | No   | 4        | 440  | 180         |
| AZ A1360YK                                  | 220-240 | 50  | LBP  | R.S.I.R.      | 5.59          | 495                 | 145            | 107          | 1.23    | 1.36  | 0.5        | 7          | No         | No   | 4        | 440  | 180         |
| AZ A1370YK                                  | 220-240 | 50  | LBP  | R.S.I.R.      | 6.00          | 563                 | 165            | 137          | 1.20    | 1.37  | 1.0        | 9          | No         | No   | 4        | 440  | 180         |
| 115 V/60 Hz. (LOW BACK PRESSURE)            |         |     |      |               |               |                     |                |              |         |       |            |            |            |      |          |      |             |
| AZ A1360YK-1                                | 115     | 60  | LBP  | R.S.I.R.      | 5.59          | 631                 | 185            | 155          | 1.19    | -     | 2.7        | 26         | No         | No   | No       | No   | 178         |
| AZ A2360YK-1                                | 115     | 60  | LBP  | C.S.I.R.      | 5.59          | 631                 | 185            | 155          | 1.19    | -     | 2.7        | 18         | 108-130    | 250  | No       | No   | 178         |
| 208-230 V/60 Hz. (LOW BACK PRESSURE)        |         |     |      |               |               |                     |                |              |         |       |            |            |            |      |          |      |             |
| AZ A1327YK-2                                | 208-230 | 60  | LBP  | R.S.I.R.      | 3.28          | 314                 | 92             | 86           | 1.07    | -     | 0.7        | 9          | No         | No   | No       | No   | 162         |
| AZ A1330YK-2                                | 208-230 | 60  | LBP  | R.S.I.R.      | 3.59          | 314                 | 92             | 85           | 1.08    | -     | 0.7        | 9          | No         | No   | No       | No   | 168         |
| AZ A1335YK-2                                | 208-230 | 60  | LBP  | R.S.I.R.      | 3.80          | 392                 | 115            | 104          | 1.11    | -     | 0.8        | 8          | No         | No   | 4        | 440  | 168         |
| AZ A1340YK-2                                | 208-230 | 60  | LBP  | R.S.I.R.      | 4.00          | 437                 | 128            | 112          | 1.14    | -     | 0.9        | 10         | No         | No   | No       | No   | 172         |
| AZ A1360YK-2                                | 208-230 | 60  | LBP  | R.S.I.R.      | 5.59          | 618                 | 181            | 148          | 1.22    | -     | 1.1        | 14         | No         | No   | No       | No   | 172         |
| 110 V/60 Hz. (LOW BACK PRESSURE)            |         |     |      |               |               |                     |                |              |         |       |            |            |            |      |          |      |             |
| AZ A1320YK-4                                | 110     | 60  | LBP  | R.S.I.R.      | 2.86          | 273                 | 80             | 79           | 1.01    | -     | 1.2        | 11         | No         | No   | No       | No   | 168         |
| AZ A1330YK-4                                | 110     | 60  | LBP  | R.S.I.R.      | 3.59          | 314                 | 92             | 85           | 1.08    | -     | 1.2        | 13         | No         | No   | No       | No   | 168         |
| AZ A1335YK-4                                | 110     | 60  | LBP  | R.S.I.R.      | 3.80          | 392                 | 115            | 104          | 1.11    | -     | 1.8        | 16         | No         | No   | No       | No   | 168         |
| AZ A1340YK-4                                | 110     | 60  | LBP  | R.S.I.R.      | 4.00          | 437                 | 128            | 112          | 1.14    | -     | 1.7        | 15         | No         | No   | No       | No   | 172         |
| AZ A1360YK-4                                | 110     | 60  | LBP  | R.S.I.R.      | 5.59          | 614                 | 180            | 155          | 1.16    | -     | 2.7        | 26         | No         | No   | No       | No   | 178         |
| AZ A2360YK-4                                | 110     | 60  | LBP  | C.S.I.R.      | 5.59          | 631                 | 185            | 155          | 1.19    | -     | 2.7        | 18         | 108-130    | 250  | No       | No   | 178         |
| 127 V/60 Hz. (LOW BACK PRESSURE)            |         |     |      |               |               |                     |                |              |         |       |            |            |            |      |          |      |             |
| AZ A1335YK-5                                | 127     | 60  | LBP  | R.S.I.R.      | 3.80          | 392                 | 115            | 104          | 1.11    | -     | 1.4        | 14         | No         | No   | No       | No   | 168         |
| 220-240 V/50 Hz. (COMMERCIAL BACK PRESSURE) |         |     |      |               |               |                     |                |              |         |       |            |            |            |      |          |      |             |
| AZ A0413YK                                  | 220-240 | 50  | CBP  | R.S.I.R.      | 6.00          | 1,146               | 336            | 213          | 1.58    | -     | 1.5        | 14         | No         | No   | No       | No   | 178         |
| AZA9413Y                                    | 220-240 | 50  | CBP  | C.S.I.R.      | 6.00          | 1,160               | 340            | 213          | 1.60    | -     | 1.6        | 9          | 36-43      | 330  | No       | No   | 178         |
| 115 V/60 Hz. (COMMERCIAL BACK PRESSURE)     |         |     |      |               |               |                     |                |              |         |       |            |            |            |      |          |      |             |
| AZ A0413YK-1                                | 115     | 60  | CBP  | R.S.I.R.      | 6.00          | 1,361               | 399            | 255          | 1.56    | -     | 3.2        | 29         | No         | No   | No       | No   | 178         |
| AZ A9413Y-1                                 | 115     | 60  | CBP  | C.S.I.R.      | 6.00          | 1,310               | 384            | 260          | 1.48    | -     | 3.6        | 20         | 36-43      | 250  | No       | No   | 178         |
| 208-230 V/60 Hz. (COMMERCIAL BACK PRESSURE) |         |     |      |               |               |                     |                |              |         |       |            |            |            |      |          |      |             |
| AZ A0413YK-2                                | 208-230 | 60  | CBP  | R.S.I.R.      | 6.00          | 1,331               | 390            | 265          | 1.47    | -     | 1.8        | 18         | No         | No   | No       | No   | 178         |
| AZ A9413YK-2                                | 208-230 | 60  | CBP  | C.S.I.R.      | 6.00          | 1,366               | 400            | 265          | 1.51    | -     | 2.0        | 12         | 36-43      | 330  | No       | No   | 178         |
| 100 V/50-60 Hz. (COMMERCIAL BACK PRESSURE)  |         |     |      |               |               |                     |                |              |         |       |            |            |            |      |          |      |             |
| AZ A0413YK-3                                | 100     | 50  | CBP  | R.S.I.R.      | 6.00          | 1,143               | 335            | 240          | 1.40    | -     | 4.3        | 26         | No         | No   | No       | No   | 178         |
|                                             | 100     | 60  | CBP  | R.S.I.R.      | 6.00          | 1,331               | 390            | 256          | 1.52    | -     | 3.7        | 24         | No         | No   | No       | No   | 178         |
| AZ A SERIES                                 |         |     |      |               |               |                     |                |              |         |       |            |            |            |      | R 600a   |      |             |
| 220-240 V/50 Hz. (LOW BACK PRESSURE)        |         |     |      |               |               |                     |                |              |         |       |            |            |            |      |          |      |             |
| AZ A1320M                                   | 220-240 | 50  | LBP  | R.S.C.R.      | 3.80          | 188                 | 55             | 48           | -       | 1.14  | 0.2        | 6          | No         | No   | 4        | 440  | 159         |
| AZ A1327M                                   | 220-240 | 50  | LBP  | R.S.C.R.      | 4.00          | 205                 | 60             | 52           | -       | 1.15  | 0.3        | 9          | No         | No   | 4        | 440  | 159         |
| AZ A1330M                                   | 220-240 | 50  | LBP  | R.S.C.R.      | 5.00          | 238                 | 70             | 59           | -       | 1.18  | 0.3        | 8          | No         | No   | 4        | 440  | 159         |
| AZ A1335M                                   | 220-240 | 50  | LBP  | R.S.I.R.      | 5.59          | 290                 | 85             | 67           | 1.13    | 1.27  | 0.3        | 6          | No         | No   | 4        | 440  | 168         |
| AZ A1340M                                   | 220-240 | 50  | LBP  | R.S.C.R.      | 6.00          | 307                 | 90             | 71           | -       | 1.27  | 0.3        | 7          | No         | No   | 4        | 440  | 172         |
| 115 V/60 Hz. (LOW BACK PRESSURE)            |         |     |      |               |               |                     |                |              |         |       |            |            |            |      |          |      |             |
| AZ A1320M-1                                 | 115     | 60  | LBP  | R.S.I.R.      | 3.80          | 222                 | 65             | 64           | 1.02    | -     | 1.1        | 11         | No         | No   | No       | No   | 159         |
| AZ A1327M-1                                 | 115     | 60  | LBP  | R.S.I.R.      | 4.00          | 238                 | 70             | 68           | 1.02    | -     | 1.3        | 16         | No         | No   | No       | No   | 159         |
| AZ A1330M-1                                 | 115     | 60  | LBP  | R.S.I.R.      | 5.00          | 290                 | 85             | 80           | 1.06    | -     | 1.3        | 12         | No         | No   | No       | No   | 159         |

### Allowable Positions For Shipping After Compressor Assembly



## AE Series

| Model                                       | Voltage | Hz. | App. | Motor Type | Disp. (CC) | Cooling (BTU/Hr) | Cooling (W) | Input (W) | COP W/W | RLA (A) | LRA (A) | Start CAP. |     | Run CAP. |     | Dim. "A" |
|---------------------------------------------|---------|-----|------|------------|------------|------------------|-------------|-----------|---------|---------|---------|------------|-----|----------|-----|----------|
| AE SERIES                                   |         |     |      |            |            |                  |             |           |         |         |         |            |     | R 134a   |     |          |
| 220-240 V/50 Hz. (LOW BACK PRESSURE)        |         |     |      |            |            |                  |             |           |         |         |         |            |     |          |     |          |
| AE 1360Y                                    | 220-240 | 50  | LBP  | R.S.I.R.   | 6.91       | 539              | 158         | 140       | 1.13    | 1.0     | 10      | No         | No  | No       | No  | 189      |
|                                             | 220-240 | 50  | LBP  | R.S.C.R.   | 6.91       | 570              | 167         | 127       | 1.31    | 0.6     | 4       | No         | No  | 4        | 440 | 189      |
| AE 1370Y                                    | 220-240 | 50  | LBP  | R.S.I.R.   | 8.12       | 635              | 186         | 160       | 1.16    | 1.2     | 13      | No         | No  | No       | No  | 189      |
|                                             | 220-240 | 50  | LBP  | R.S.C.R.   | 8.12       | 682              | 200         | 152       | 1.32    | 0.8     | 10      | No         | No  | 6        | 440 | 189      |
| AE 1390Y                                    | 220-240 | 50  | LBP  | R.S.I.R.   | 9.42       | 860              | 252         | 192       | 1.31    | 1.3     | 14      | No         | No  | No       | No  | 202      |
|                                             | 220-240 | 50  | LBP  | R.S.C.R.   | 9.42       | 904              | 265         | 192       | 1.38    | 0.9     | 10      | No         | No  | 4        | 440 | 189      |
| AE 1411Y                                    | 220-240 | 50  | LBP  | R.S.I.R.   | 14.14      | 1,017            | 298         | 252       | 1.18    | 2.0     | 22      | No         | No  | No       | No  | 214      |
| AE 2340Y                                    | 220-240 | 50  | LBP  | C.S.I.R.   | 5.11       | 375              | 110         | 107       | 1.03    | 0.8     | 6       | 36-43      | 330 | No       | No  | 189      |
| AE 2360Y                                    | 220-240 | 50  | LBP  | C.S.I.R.   | 6.91       | 539              | 158         | 136       | 1.16    | 1.0     | 7       | 36-43      | 330 | No       | No  | 189      |
|                                             | 220-240 | 50  | LBP  | C.S.R.     | 6.91       | 539              | 158         | 119       | 1.33    | 0.5     | 5       | 36-43      | 330 | 5        | 440 | 189      |
| AE 2370Y                                    | 220-240 | 50  | LBP  | C.S.I.R.   | 8.12       | 631              | 185         | 163       | 1.13    | 1.2     | 7       | 36-43      | 330 | No       | No  | 189      |
|                                             | 220-240 | 50  | LBP  | C.S.R.     | 8.12       | 631              | 185         | 143       | 1.29    | 0.7     | 7       | 36-43      | 330 | 5        | 440 | 189      |
| AE 2390Y                                    | 220-240 | 50  | LBP  | C.S.I.R.   | 9.42       | 809              | 237         | 205       | 1.16    | 1.4     | 9       | 36-43      | 330 | No       | No  | 202      |
|                                             | 220-240 | 50  | LBP  | C.S.R.     | 9.42       | 819              | 240         | 178       | 1.35    | 0.9     | 7       | 36-43      | 330 | 5        | 440 | 202      |
| AEA 2410Y                                   | 220-240 | 50  | LBP  | C.S.I.R.   | 12.05      | 921              | 270         | 226       | 1.19    | 2.0     | 12      | 36-43      | 330 | No       | No  | 214      |
| AEA 2413Y                                   | 220-240 | 50  | LBP  | C.S.I.R.   | 14.14      | 1,126            | 330         | 280       | 1.18    | 2.0     | 13      | 36-43      | 330 | No       | No  | 214      |
| AEA 2415Y                                   | 220-240 | 50  | LBP  | C.S.R.     | 16.08      | 1,262            | 370         | 280       | 1.32    | 1.3     | 12      | 36-43      | 330 | 8        | 450 | 214      |
| AE 2417Y                                    | 220-240 | 50  | LBP  | C.S.R.     | 18.00      | 1,365            | 400         | 325       | 1.23    | 1.7     | 16      | 36-43      | 330 | 10       | 440 | 214      |
| 115 V/60 Hz. (LOW BACK PRESSURE)            |         |     |      |            |            |                  |             |           |         |         |         |            |     |          |     |          |
| AE 1350Y-1                                  | 115     | 60  | LBP  | R.S.I.R.   | 5.99       | 546              | 160         | 148       | 1.08    | 2.2     | 23      | No         | No  | No       | No  | 181      |
| AE 1360Y-1                                  | 115     | 60  | LBP  | R.S.I.R.   | 6.91       | 645              | 189         | 170       | 1.11    | 2.4     | 22      | No         | No  | No       | No  | 189      |
| 208-230 V/60 Hz. (LOW BACK PRESSURE)        |         |     |      |            |            |                  |             |           |         |         |         |            |     |          |     |          |
| AE 1360Y-2                                  | 208-230 | 60  | LBP  | R.S.I.R.   | 6.91       | 648              | 190         | 162       | 1.17    | 1.1     | 12      | No         | No  | No       | No  | 189      |
| AE 1370Y-2                                  | 208-230 | 60  | LBP  | R.S.I.R.   | 8.12       | 717              | 210         | 184       | 1.14    | 1.3     | 17      | No         | No  | No       | No  | 189      |
| AE 1390Y-2                                  | 208-230 | 60  | LBP  | R.S.I.R.   | 9.42       | 955              | 280         | 235       | 1.19    | 1.7     | 18      | No         | No  | No       | No  | 202      |
| AE 2370Y-2                                  | 208-230 | 60  | LBP  | C.S.R.     | 8.12       | 751              | 220         | 170       | 1.29    | 0.8     | 8       | 36-43      | 330 | 5        | 440 | 189      |
| AE 2390Y-2                                  | 208-230 | 60  | LBP  | C.S.I.R.   | 9.42       | 955              | 280         | 236       | 1.19    | 1.7     | 13      | 36-43      | 330 | No       | No  | 202      |
| AE 2410Y-2                                  | 208-230 | 60  | LBP  | C.S.I.R.   | 14.14      | 1,065            | 312         | 307       | 1.02    | 2.5     | 16      | 36-43      | 330 | No       | No  | 214      |
| AE 2413Y-2                                  | 208-230 | 60  | LBP  | C.S.R.     | 16.08      | 1,269            | 372         | 349       | 1.07    | 1.8     | 19      | 36-43      | 330 | 8        | 450 | 214      |
| 100 V/50-60 Hz. (LOW BACK PRESSURE)         |         |     |      |            |            |                  |             |           |         |         |         |            |     |          |     |          |
| AE 2360Y-3                                  | 100     | 50  | LBP  | C.S.R.     | 6.91       | 597              | 175         | 155       | 1.13    | 2.0     | 17      | 36-43      | 250 | 15       | 440 | 189      |
|                                             | 100     | 60  | LBP  | C.S.R.     | 6.91       | 682              | 200         | 183       | 1.09    | 1.9     | 15      | 36-43      | 250 | 15       | 440 | 189      |
| AE 2370Y-3                                  | 100     | 50  | LBP  | C.S.R.     | 8.12       | 710              | 208         | 180       | 1.16    | 2.2     | 17      | 36-43      | 250 | 15       | 440 | 189      |
|                                             | 100     | 60  | LBP  | C.S.R.     | 8.12       | 809              | 237         | 216       | 1.10    | 2.2     | 15      | 36-43      | 250 | 15       | 440 | 189      |
| AE 2390Y-3                                  | 100     | 50  | LBP  | C.S.R.     | 9.42       | 819              | 240         | 196       | 1.22    | 2.7     | 27      | 108-130    | 250 | 15       | 440 | 189      |
|                                             | 100     | 60  | LBP  | C.S.R.     | 9.42       | 955              | 280         | 230       | 1.22    | 2.5     | 23      | 108-130    | 250 | 15       | 440 | 189      |
| 110 V/60 Hz. (LOW BACK PRESSURE)            |         |     |      |            |            |                  |             |           |         |         |         |            |     |          |     |          |
| AE 1327Y-4                                  | 110     | 60  | LBP  | R.S.I.R.   | 3.90       | 276              | 81          | 89        | 0.91    | 1.3     | 16      | No         | No  | No       | No  | 172      |
| AE 1330Y-4                                  | 110     | 60  | LBP  | R.S.I.R.   | 4.08       | 317              | 93          | 95        | 0.98    | 1.6     | 16      | No         | No  | No       | No  | 172      |
| AE 1340Y-4                                  | 110     | 60  | LBP  | R.S.I.R.   | 5.11       | 450              | 132         | 126       | 1.05    | 1.8     | 17      | No         | No  | No       | No  | 189      |
| AE 2411Y-4                                  | 110     | 60  | LBP  | C.S.R.     | 14.14      | 1,109            | 325         | 275       | 1.18    | 2.8     | 28      | 108-130    | 250 | 15       | 440 | 214      |
| 127 V/60 Hz. (LOW BACK PRESSURE)            |         |     |      |            |            |                  |             |           |         |         |         |            |     |          |     |          |
| AE 1350Y-5                                  | 127     | 60  | LBP  | R.S.I.R.   | 5.99       | 546              | 160         | 148       | 1.08    | 2.0     | 16      | No         | No  | No       | No  | 189      |
| 220 V/50-60 Hz. (LOW BACK PRESSURE)         |         |     |      |            |            |                  |             |           |         |         |         |            |     |          |     |          |
| AE 1390Y-6                                  | 220     | 50  | LBP  | R.S.I.R.   | 9.42       | 870              | 255         | 203       | 1.26    | 1.6     | 17      | No         | No  | No       | No  | 202      |
|                                             | 220     | 60  | LBP  | R.S.I.R.   | 9.42       | 1,013            | 297         | 236       | 1.26    | 1.5     | 15      | No         | No  | No       | No  | 202      |
| 220-240 V/50 Hz. (COMMERCIAL BACK PRESSURE) |         |     |      |            |            |                  |             |           |         |         |         |            |     |          |     |          |
| AE 0412Y                                    | 220-240 | 50  | CBP  | R.S.I.R.   | 5.99       | 1,075            | 315         | 201       | 1.57    | 1.5     | 14      | No         | No  | No       | No  | 189      |
|                                             | 220-240 | 50  | HBP  | R.S.I.R.   | 5.99       | 1,955            | 573         | 259       | 2.21    | 1.7     | 14      | No         | No  | No       | No  | 189      |
| AE 9437Y                                    | 220-240 | 50  | CBP  | C.S.R.     | 18.00      | 3,139            | 920         | 532       | 1.73    | 2.6     | 16      | 36-43      | 330 | 10       | 440 | 214      |
|                                             | 220-240 | 50  | HBP  | C.S.R.     | 18.00      | 5,732            | 1,680       | 730       | 2.30    | 3.5     | 16      | 36-43      | 330 | 10       | 440 | 214      |
| 110 V/60 Hz. (COMMERCIAL BACK PRESSURE)     |         |     |      |            |            |                  |             |           |         |         |         |            |     |          |     |          |
| AE 0412Y-4                                  | 110     | 60  | CBP  | R.S.I.R.   | 5.99       | 1,300            | 381         | 237       | 1.61    | 3.0     | 22      | No         | No  | No       | No  | 189      |
|                                             | 110     | 60  | HBP  | R.S.I.R.   | 5.99       | 2,334            | 684         | 314       | 2.18    | 3.6     | 22      | No         | No  | No       | No  | 189      |
| 208-230 V/60 Hz. (COMMERCIAL BACK PRESSURE) |         |     |      |            |            |                  |             |           |         |         |         |            |     |          |     |          |
| AE 0412Y-2                                  | 208-230 | 60  | CBP  | R.S.I.R.   | 5.99       | 1,259            | 369         | 229       | 1.61    | 1.4     | 13      | No         | No  | No       | No  | 189      |
|                                             | 208-230 | 60  | HBP  | R.S.I.R.   | 5.99       | 2,283            | 669         | 307       | 2.18    | 1.7     | 13      | No         | No  | No       | No  | 189      |
| AE 9423Y-2                                  | 208-230 | 60  | CBP  | C.S.R.     | 12.05      | 2,327            | 682         | 396       | 1.72    | 1.9     | 13      | 36-43      | 330 | 8        | 450 | 202      |
|                                             | 208-230 | 60  | HBP  | C.S.R.     | 12.05      | 4,333            | 1,270       | 560       | 2.27    | 2.6     | 13      | 36-43      | 330 | 8        | 450 | 202      |
| AE 9437Y-2                                  | 208-230 | 60  | CBP  | C.S.R.     | 18.00      | 3,429            | 1,005       | 635       | 1.58    | 3.0     | 17      | 36-43      | 330 | 10       | 440 | 214      |
|                                             | 208-230 | 60  | HBP  | C.S.R.     | 18.00      | 6,653            | 1,950       | 870       | 2.24    | 4.2     | 17      | 36-43      | 330 | 10       | 440 | 214      |

MrCool.ir

## AE Series

| Model                                   | Voltage | Hz. | App. | Motor Type | Disp. (CC) | Cooling (BTU/Hr) | Cooling (W) | Input (W) | COP W/W | RLA (A) | LRA (A) | Start CAP. |     | Run CAP. |      | Dim. |      |     |
|-----------------------------------------|---------|-----|------|------------|------------|------------------|-------------|-----------|---------|---------|---------|------------|-----|----------|------|------|------|-----|
|                                         |         |     |      |            |            |                  |             |           |         |         |         |            |     | MFD      | VAC. | MFD  | VAC. | "A" |
| AE SERIES                               |         |     |      |            |            |                  |             |           |         |         |         |            |     | R 134a   |      |      |      |     |
| 220-240 V/50 Hz. (MEDIUM BACK PRESSURE) |         |     |      |            |            |                  |             |           |         |         |         |            |     |          |      |      |      |     |
| AE 6412Y                                | 220-240 | 50  | MBP  | R.S.I.R.   | 5.99       | 1,061            | 311         | 193       | 1.61    | 1.2     | 12      | No         | No  | No       | No   | 189  |      |     |
| AE 7415Y                                | 220-240 | 50  | MBP  | C.S.I.R.   | 7.55       | 1,259            | 369         | 250       | 1.48    | 1.8     | 12      | 36-43      | 330 | No       | No   | 189  |      |     |
| AE 7423Y                                | 220-240 | 50  | MBP  | C.S.I.R.   | 12.05      | 1,958            | 574         | 361       | 1.59    | 2.3     | 19      | 36-43      | 330 | No       | No   | 202  |      |     |
| AE 7426Y                                | 220-240 | 50  | MBP  | C.S.I.R.   | 14.14      | 2,184            | 640         | 425       | 1.51    | 2.5     | 13      | 36-43      | 330 | No       | No   | 214  |      |     |
| AE 7430Y                                | 220-240 | 50  | MBP  | C.S.R.     | 16.08      | 2,542            | 745         | 455       | 1.64    | 2.2     | 13      | 36-43      | 330 | 8        | 450  | 214  |      |     |
| 208-230 V/60 Hz. (MEDIUM BACK PRESSURE) |         |     |      |            |            |                  |             |           |         |         |         |            |     |          |      |      |      |     |
| AE 7423Y-2                              | 208-230 | 60  | MBP  | C.S.I.R.   | 12.05      | 2,286            | 670         | 438       | 1.53    | 12.6    | 3       | 36-43      | 330 | No       | No   | 202  |      |     |
| AE 7425Y-2                              | 208-230 | 60  | MBP  | C.S.I.R.   | 14.14      | 2,525            | 740         | 497       | 1.49    | 19.5    | 3       | 36-43      | 330 | No       | No   | 214  |      |     |
| AE 7430Y-2                              | 208-230 | 60  | MBP  | C.S.R.     | 16.08      | 2,955            | 866         | 530       | 1.63    | 2.6     | 17      | 36-43      | 330 | 8        | 450  | 214  |      |     |
| 110 V/60 Hz. (MEDIUM BACK PRESSURE)     |         |     |      |            |            |                  |             |           |         |         |         |            |     |          |      |      |      |     |
| AE 7423Y-4                              | 110     | 60  | MBP  | C.S.I.R.   | 12.05      | 2,286            | 670         | 435       | 1.54    | 5.1     | 25      | 120        | 250 | No       | No   | 202  |      |     |
| 220-240 V/50 Hz. (HIGH BACK PRESSURE)   |         |     |      |            |            |                  |             |           |         |         |         |            |     |          |      |      |      |     |
| AE 3414Y                                | 220-240 | 50  | HBP  | R.S.I.R.   | 4.49       | 1,262            | 370         | 223       | 1.66    | 1.3     | 8       | No         | No  | No       | No   | 172  |      |     |
| AE 3417Y                                | 220-240 | 50  | HBP  | R.S.I.R.   | 5.68       | 1,706            | 500         | 245       | 2.04    | 1.6     | 12      | No         | No  | No       | No   | 189  |      |     |
| AE 3425Y                                | 220-240 | 50  | HBP  | R.S.I.R.   | 7.55       | 2,491            | 730         | 342       | 2.13    | 2.2     | 14      | No         | No  | No       | No   | 189  |      |     |
| AE 3430Y                                | 220-240 | 50  | HBP  | R.S.I.R.   | 8.86       | 2,900            | 850         | 395       | 2.15    | 2.5     | 22      | No         | No  | No       | No   | 189  |      |     |
| AE 3435Y                                | 220-240 | 50  | HBP  | R.S.I.R.   | 9.42       | 3,044            | 892         | 427       | 2.09    | 2.7     | 21      | No         | No  | No       | No   | 189  |      |     |
| AE 3440Y                                | 220-240 | 50  | HBP  | R.S.I.R.   | 12.05      | 3,634            | 1,065       | 511       | 2.08    | 3.0     | 11      | No         | No  | No       | No   | 202  |      |     |
| AE 3448Y                                | 220-240 | 50  | HBP  | R.S.I.R.   | 14.14      | 4,094            | 1,200       | 595       | 2.02    | 3.5     | 29      | No         | No  | No       | No   | 214  |      |     |
| AE 4414Y                                | 220-240 | 50  | HBP  | C.S.I.R.   | 4.49       | 1,262            | 370         | 223       | 1.66    | 1.3     | 5       | 36-43      | 330 | No       | No   | 181  |      |     |
| AE 4425Y                                | 220-240 | 50  | HBP  | C.S.I.R.   | 7.55       | 2,388            | 700         | 327       | 2.14    | 2.2     | 11      | 36-43      | 330 | No       | No   | 189  |      |     |
| AE 4430Y                                | 220-240 | 50  | HBP  | C.S.I.R.   | 8.86       | 2,798            | 820         | 390       | 2.10    | 2.5     | 12      | 36-43      | 330 | No       | No   | 189  |      |     |
|                                         | 220-240 | 50  | HBP  | C.S.R.     | 8.86       | 2,716            | 796         | 339       | 2.35    | 1.6     | 10      | 36-43      | 330 | 8        | 450  | 189  |      |     |
| AE 4435Y                                | 220-240 | 50  | HBP  | C.S.I.R.   | 9.42       | 3,078            | 902         | 440       | 2.05    | 2.7     | 14      | 36-43      | 330 | No       | No   | 189  |      |     |
| AE 4440Y                                | 220-240 | 50  | HBP  | C.S.I.R.   | 12.05      | 3,668            | 1,075       | 505       | 2.13    | 3.1     | 15      | 36-43      | 330 | No       | No   | 202  |      |     |
|                                         | 220-240 | 50  | HBP  | C.S.R.     | 12.05      | 3,668            | 1,075       | 456       | 2.36    | 2.2     | 11      | 36-43      | 330 | 8        | 450  | 202  |      |     |
| AE 4448Y                                | 220-240 | 50  | HBP  | C.S.I.R.   | 14.14      | 4,060            | 1,190       | 575       | 2.07    | 3.5     | 24      | 36-43      | 330 | No       | No   | 214  |      |     |
|                                         | 220-240 | 50  | HBP  | C.S.R.     | 14.14      | 4,163            | 1,220       | 520       | 2.35    | 2.4     | 12      | 36-43      | 330 | 12       | 440  | 214  |      |     |
| AE 4459Y                                | 220-240 | 50  | HBP  | C.S.R.     | 16.08      | 4,947            | 1,450       | 660       | 2.20    | 3.0     | 16      | 36-43      | 330 | 15       | 440  | 214  |      |     |
| 115 V/60 Hz. (HIGH BACK PRESSURE)       |         |     |      |            |            |                  |             |           |         |         |         |            |     |          |      |      |      |     |
| AE 3425Y-1                              | 115     | 60  | HBP  | R.S.I.R.   | 7.55       | 2,736            | 802         | 401       | 2.00    | 4.3     | 23      | No         | No  | No       | No   | 189  |      |     |
| AE 4425Y-1                              | 115     | 60  | HBP  | C.S.I.R.   | 7.55       | 2,798            | 820         | 419       | 1.96    | 5.5     | 24      | 108-130    | 250 | No       | No   | 189  |      |     |
| AE 4430Y-1                              | 115     | 60  | HBP  | C.S.R.     | 8.86       | 3,293            | 965         | 432       | 2.23    | 3.9     | 23      | 108-130    | 250 | 30       | 440  | 189  |      |     |
| AE 4440Y-1                              | 115     | 60  | HBP  | C.S.R.     | 12.05      | 4,006            | 1,174       | 591       | 1.99    | 6.2     | 35      | 108-130    | 250 | 20       | 440  | 202  |      |     |
| AE 4448Y-1                              | 115     | 60  | HBP  | C.S.R.     | 14.14      | 4,968            | 1,456       | 682       | 2.13    | 6.7     | 42      | 108-130    | 250 | 20       | 440  | 214  |      |     |
| 208-230 V/60 Hz. (HIGH BACK PRESSURE)   |         |     |      |            |            |                  |             |           |         |         |         |            |     |          |      |      |      |     |
| AE 3414Y-2                              | 208-230 | 60  | HBP  | R.S.I.R.   | 4.49       | 1,570            | 460         | 253       | 1.82    | 1.7     | 16      | No         | No  | No       | No   | 181  |      |     |
| AE 3417Y-2                              | 208-230 | 60  | HBP  | R.S.I.R.   | 5.68       | 1,945            | 570         | 295       | 1.93    | 1.7     | 12      | No         | No  | No       | No   | 189  |      |     |
| AE 3425Y-2                              | 208-230 | 60  | HBP  | R.S.I.R.   | 7.57       | 2,764            | 810         | 392       | 2.07    | 2.3     | 13      | No         | No  | No       | No   | 189  |      |     |
| AE 3430Y-2                              | 208-230 | 60  | HBP  | R.S.I.R.   | 8.86       | 3,207            | 940         | 461       | 2.04    | 2.8     | 19      | No         | No  | No       | No   | 201  |      |     |
| AE 4425Y-2                              | 208-230 | 60  | HBP  | C.S.I.R.   | 7.55       | 2,753            | 807         | 390       | 2.07    | 2.3     | 13      | 36-43      | 330 | No       | No   | 189  |      |     |
|                                         | 208-230 | 60  | HBP  | C.S.I.R.   | 8.86       | 3,207            | 940         | 475       | 1.98    | 2.8     | 16      | 36-43      | 330 | No       | No   | 201  |      |     |
| AE 4430Y-2                              | 208-230 | 60  | HBP  | C.S.R.     | 8.86       | 3,320            | 973         | 436       | 2.23    | 2.0     | 15      | 36-43      | 330 | 8        | 450  | 189  |      |     |
|                                         | 208-230 | 60  | HBP  | C.S.I.R.   | 12.05      | 4,197            | 1,230       | 610       | 2.02    | 3.5     | 15      | 36-43      | 330 | No       | No   | 202  |      |     |
| AE 4440Y-2                              | 208-230 | 60  | HBP  | C.S.R.     | 12.05      | 4,333            | 1,270       | 560       | 2.27    | 2.6     | 13      | 36-43      | 330 | 8        | 450  | 202  |      |     |
|                                         | 208-230 | 60  | HBP  | C.S.R.     | 14.14      | 4,784            | 1,402       | 627       | 2.24    | 3.0     | 16      | 36-43      | 330 | 10       | 440  | 214  |      |     |
| AE 4459Y-2                              | 208-230 | 60  | HBP  | C.S.R.     | 16.08      | 5,613            | 1,645       | 774       | 2.13    | 3.6     | 18      | 36-43      | 330 | 15       | 440  | 214  |      |     |
| 100 V/50-60 Hz. (HIGH BACK PRESSURE)    |         |     |      |            |            |                  |             |           |         |         |         |            |     |          |      |      |      |     |
| AE 4425Y-3                              | 100     | 50  | HBP  | C.S.I.R.   | 7.57       | 2,395            | 702         | 356       | 1.97    | 5.8     | 26      | 108-130    | 250 | No       | No   | 189  |      |     |
|                                         | 100     | 60  | HBP  | C.S.I.R.   | 7.57       | 2,832            | 830         | 393       | 2.11    | 5.2     | 24      | 108-130    | 250 | No       | No   | 189  |      |     |
| AE 4430Y-3                              | 100     | 50  | HBP  | C.S.I.R.   | 8.86       | 2,798            | 820         | 412       | 1.99    | 6.0     | 26      | 108-130    | 250 | No       | No   | 189  |      |     |
|                                         | 100     | 60  | HBP  | C.S.I.R.   | 8.86       | 3,207            | 940         | 475       | 1.98    | 5.9     | 24      | 108-130    | 250 | No       | No   | 189  |      |     |
| AE 4440Y-3                              | 100     | 50  | HBP  | C.S.I.R.   | 12.05      | 3,670            | 1,075       | 560       | 1.92    | 8.0     | 37      | 130-156    | 330 | No       | No   | 202  |      |     |
|                                         | 100     | 60  | HBP  | C.S.I.R.   | 12.05      | 4,250            | 1,245       | 620       | 2.01    | 7.7     | 37      | 130-156    | 330 | No       | No   | 202  |      |     |
| AE 4448Y-3                              | 100     | 50  | HBP  | C.S.R.     | 14.14      | 4,367            | 1,280       | 570       | 2.25    | 6.4     | 24      | 130-156    | 330 | 35       | 440  | 214  |      |     |
|                                         | 100     | 60  | HBP  | C.S.R.     | 14.14      | 4,879            | 1,430       | 695       | 2.06    | 7.0     | 23      | 130-156    | 330 | 35       | 440  | 214  |      |     |
| 110 V/60 Hz. (HIGH BACK PRESSURE)       |         |     |      |            |            |                  |             |           |         |         |         |            |     |          |      |      |      |     |
| AE 3414Y-4                              | 110     | 60  | HBP  | R.S.I.R.   | 4.49       | 1,597            | 468         | 246       | 1.90    | 2.8     | 17      | No         | No  | No       | No   | 172  |      |     |
| AE 4425Y-4                              | 110     | 60  | HBP  | C.S.I.R.   | 7.55       | 2,791            | 818         | 410       | 2.00    | 5.3     | 24      | 108-130    | 250 | No       | No   | 189  |      |     |
| AE 4430Y-4                              | 110     | 60  | HBP  | C.S.I.R.   | 8.86       | 3,272            | 959         | 490       | 1.96    | 5.9     | 30      | 108-130    | 250 | No       | No   | 189  |      |     |
|                                         | 110     | 60  | HBP  | C.S.R.     | 8.86       | 3,293            | 965         | 432       | 2.23    | 3.9     | 23      | 108-130    | 250 | 30       | 440  | 189  |      |     |
| AE 4440Y-4                              | 110     | 60  | HBP  | C.S.R.     | 12.05      | 4,333            | 1,270       | 560       | 2.27    | 5.1     | 14      | 108-130    | 250 | 30       | 440  | 202  |      |     |
| AE 4448Y-4                              | 110     | 60  | HBP  | C.S.R.     | 14.14      | 4,947            | 1,450       | 652       | 2.22    | 6.5     | 32      | 108-130    | 250 | 20       | 440  | 214  |      |     |
| 220 V/50-60 Hz. (HIGH BACK PRESSURE)    |         |     |      |            |            |                  |             |           |         |         |         |            |     |          |      |      |      |     |
| AE 3425Y-6                              | 220     | 50  | HBP  | R.S.I.R.   | 7.57       | 2,423            | 710         | 343       | 2.07    | 2.5     | 18      | No         | No  | No       | No   | 189  |      |     |
|                                         | 220     | 60  | HBP  | R.S.I.R.   | 7.57       | 2,849            | 835         | 396       | 2.11    | 2.4     | 17      | No         | No  | No       | No   | 189  |      |     |
| AE 4430Y-6                              | 220     | 50  | HBP  | C.S.R.     | 8.86       | 2,716            | 796         | 339       | 2.35    | 1.6     | 10      | 36-43      | 330 | 8        | 450  | 189  |      |     |
|                                         | 220     | 60  | HBP  | C.S.R.     | 8.86       | 3,276            | 960         | 416       | 2.31    | 1.9     | 10      | 36-43      | 330 | 8        | 450  | 189  |      |     |
| AE 4440Y-6                              | 220     | 50  | HBP  | C.S.R.     | 12.05      | 3,668            | 1,075       | 456       | 2.36    | 2.2     | 11      | 36-43      | 330 | 8        | 450  | 202  |      |     |
|                                         | 220     | 60  | HBP  | C.S.R.     | 12.05      | 4,357            | 1,277       | 550       | 2.32    | 2.5     | 11      | 36-43      | 330 | 8        | 450  | 202  |      |     |

## AE Series

| Model                                       | Voltage | Hz. | App. | Motor Type | Disp. (CC) | Cooling (BTU/Hr) | Cooling (W) | Input (W) | COP W/W | RLA (A) | LRA (A) | Start CAP. |      | Run CAP. |      | Dim. "A" |
|---------------------------------------------|---------|-----|------|------------|------------|------------------|-------------|-----------|---------|---------|---------|------------|------|----------|------|----------|
|                                             |         |     |      |            |            |                  |             |           |         |         |         | MFD        | VAC. | MFD      | VAC. |          |
| AE SERIES                                   |         |     |      |            |            |                  |             |           |         |         |         |            |      | R 22     |      |          |
| 220-240 V/50 Hz. (COMMERCIAL BACK PRESSURE) |         |     |      |            |            |                  |             |           |         |         |         |            |      |          |      |          |
| AE 9422EK                                   | 220-240 | 50  | MBP  | C.S.I.R.   | 7.57       | 2,030            | 595         | 417       | 1.43    | 2.3     | 15      | 36-43      | 330  | No       | No   | 189      |
| 220-240 V/50 Hz. (MEDIUM BACK PRESSURE)     |         |     |      |            |            |                  |             |           |         |         |         |            |      |          |      |          |
| AE 6412EK                                   | 220-240 | 50  | MBP  | R.S.I.R.   | 4.49       | 989              | 290         | 240       | 1.21    | 1.4     | 11      | No         | No   | No       | No   | 189      |
| AE 7415EK                                   | 220-240 | 50  | MBP  | C.S.I.R.   | 5.48       | 1,262            | 370         | 310       | 1.19    | 2.1     | 12      | 36-43      | 250  | No       | No   | 189      |
| AE 7422EK                                   | 220-240 | 50  | MBP  | C.S.I.R.   | 7.55       | 1,877            | 550         | 420       | 1.31    | 2.4     | 12      | 36-43      | 330  | No       | No   | 189      |
| AE 7426EK                                   | 220-240 | 50  | MBP  | C.S.I.R.   | 8.85       | 2,184            | 640         | 480       | 1.33    | 2.7     | 13      | 36-43      | 330  | No       | No   | 201      |
| AE 7435EK                                   | 220-240 | 50  | MBP  | C.S.R.     | 12.04      | 2,968            | 870         | 550       | 1.58    | 2.5     | 13      | 36-43      | 330  | 8        | 440  | 214      |
| AE 7440EK                                   | 220-240 | 50  | MBP  | C.S.R.     | 14.14      | 3,446            | 1,010       | 660       | 1.53    | 3.0     | 13      | 36-43      | 330  | 12       | 440  | 214      |
| AE 7445EK                                   | 220-240 | 50  | MBP  | C.S.R.     | 16.08      | 3,798            | 1,113       | 801       | 1.39    | 3.7     | 16      | 36-43      | 330  | 15       | 440  | 214      |
| 208-230 V/60 Hz. (MEDIUM BACK PRESSURE)     |         |     |      |            |            |                  |             |           |         |         |         |            |      |          |      |          |
| AE 7415EK-2                                 | 208-230 | 60  | MBP  | C.S.I.R.   | 5.48       | 1,467            | 430         | 360       | 1.19    | 2.4     | 13      | 36-43      | 330  | No       | No   | 189      |
| AE 7422EK-2                                 | 208-230 | 60  | MBP  | C.S.I.R.   | 7.57       | 2,238            | 656         | 490       | 1.34    | 2.9     | 16      | 36-43      | 330  | No       | No   | 189      |
| AE 7426EK-2                                 | 208-230 | 60  | MBP  | C.S.I.R.   | 8.85       | 2,678            | 785         | 577       | 1.36    | 3.3     | 16      | 36-43      | 330  | No       | No   | 201      |
| AE 7435EK-2                                 | 208-230 | 60  | MBP  | C.S.R.     | 12.04      | 3,361            | 985         | 689       | 1.43    | 3.3     | 16      | 36-43      | 330  | 8        | 450  | 214      |
| AE 7440EK-2                                 | 208-230 | 60  | MBP  | C.S.R.     | 14.14      | 4,002            | 1,173       | 793       | 1.48    | 3.6     | 17      | 36-43      | 330  | 15       | 440  | 214      |
| 110 V/60 Hz. (MEDIUM BACK PRESSURE)         |         |     |      |            |            |                  |             |           |         |         |         |            |      |          |      |          |
| AE 6412EK-4                                 | 110     | 60  | MBP  | R.S.I.R.   | 4.49       | 1,280            | 375         | 300       | 1.25    | 3.7     | 23      | No         | No   | No       | No   | 189      |
| AE 7415EK-4                                 | 110     | 60  | MBP  | C.S.I.R.   | 5.48       | 1,484            | 435         | 408       | 1.07    | 5.1     | 33      | 108-130    | 250  | No       | No   | 189      |
| AE 7422EK-4                                 | 110     | 60  | MBP  | C.S.I.R.   | 7.55       | 2,228            | 653         | 502       | 1.30    | 6.1     | 30      | 108-130    | 250  | No       | No   | 189      |
|                                             | 110     | 60  | MBP  | C.S.R.     | 7.55       | 2,252            | 660         | 475       | 1.39    | 5.2     | 26      | 108-130    | 250  | 10       | 440  | 189      |
| AE 7426EK-4                                 | 110     | 60  | MBP  | C.S.R.     | 8.85       | 2,784            | 816         | 550       | 1.48    | 5.3     | 32      | 108-130    | 250  | 20       | 440  | 201      |
| 220-240 V/50 Hz. (HIGH BACK PRESSURE)       |         |     |      |            |            |                  |             |           |         |         |         |            |      |          |      |          |
| AE 3422EK                                   | 220-240 | 50  | HBP  | R.S.I.R.   | 4.49       | 1,887            | 553         | 321       | 1.72    | 2.2     | 9       | No         | No   | No       | No   | 189      |
| AE 4422EK                                   | 220-240 | 50  | HBP  | C.S.I.R.   | 4.49       | 1,924            | 564         | 357       | 1.58    | 2.2     | 9       | 36-43      | 330  | No       | No   | 189      |
| AE 4430EK                                   | 220-240 | 50  | HBP  | C.S.R.     | 6.92       | 2,907            | 852         | 467       | 1.82    | 2.3     | 15      | 36-43      | 330  | 8        | 450  | 202      |
| AE 4440EK                                   | 220-240 | 50  | HBP  | C.S.R.     | 7.57       | 3,412            | 1,000       | 453       | 2.21    | 2.2     | 13      | 36-43      | 330  | 8        | 450  | 214      |
| AE 4448EK                                   | 220-240 | 50  | HBP  | C.S.R.     | 8.85       | 3,999            | 1,172       | 560       | 2.09    | 2.7     | 13      | 36-43      | 330  | 8        | 450  | 202      |
| AE 4474EK                                   | 220-240 | 50  | HBP  | C.S.R.     | 14.14      | 6,142            | 1,800       | 840       | 2.14    | 4.0     | 19      | 36-43      | 330  | 15       | 440  | 214      |
| AE 5448EK                                   | 220-240 | 50  | HBP  | C.S.R.     | 8.85       | 3,999            | 1,172       | 560       | 2.09    | 2.7     | 13      | 36-43      | 330  | 8        | 450  | 202      |
| 208-230 V/60 Hz. (HIGH BACK PRESSURE)       |         |     |      |            |            |                  |             |           |         |         |         |            |      |          |      |          |
| AE 4430EK-2                                 | 208-230 | 60  | HBP  | C.S.R.     | 6.92       | 3,207            | 940         | 585       | 1.61    | 2.9     | 16      | 36-43      | 330  | 8        | 450  | 202      |
| AE 4440EK-2                                 | 208-230 | 60  | HBP  | C.S.R.     | 7.55       | 4,094            | 1,200       | 568       | 2.11    | 2.8     | 17      | 36-43      | 330  | 8        | 450  | 202      |
| AE 4448EK-2                                 | 208-230 | 60  | HBP  | C.S.R.     | 8.86       | 4,606            | 1,350       | 725       | 1.86    | 3.5     | 16      | 36-43      | 330  | 8        | 450  | 202      |
| AE 4474EK-2                                 | 208-230 | 60  | HBP  | C.S.R.     | 14.14      | 7,387            | 2,165       | 1,070     | 2.02    | 5.1     | 21      | 36-43      | 330  | 15       | 440  | 214      |
| AE 5462EK-2                                 | 208-230 | 60  | HBP  | P.S.C.     | 14.14      | 7,387            | 2,165       | 1,070     | 2.02    | 5.1     | 21      | No         | No   | 15       | 440  | 214      |
| 110 V/60 Hz. (HIGH BACK PRESSURE)           |         |     |      |            |            |                  |             |           |         |         |         |            |      |          |      |          |
| AE 3422EK-4                                 | 110     | 60  | HBP  | R.S.I.R.   | 4.49       | 2,201            | 645         | 400       | 1.61    | 5.0     | 31      | No         | No   | No       | No   | 189      |
| AE 4430EK-4                                 | 110     | 60  | HBP  | C.S.R.     | 6.92       | 3,276            | 960         | 600       | 1.60    | 5.5     | 33      | 108-130    | 250  | 20       | 440  | 202      |
| AE 4440EK-4                                 | 110     | 60  | HBP  | C.S.R.     | 7.55       | 4,248            | 1,245       | 595       | 2.09    | 6.4     | 34      | 108-130    | 250  | 15       | 440  | 202      |
| AE 4448EK-4                                 | 110     | 60  | HBP  | C.S.R.     | 8.85       | 4,999            | 1,465       | 727       | 2.02    | 7.0     | 37      | 108-130    | 250  | 20       | 440  | 202      |

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| AE SERIES                            |         |    |     |          |       |       |     |     |      |     |    |       |     | R 404A/R 507 |     |     |
|--------------------------------------|---------|----|-----|----------|-------|-------|-----|-----|------|-----|----|-------|-----|--------------|-----|-----|
| 220-240 V/50 Hz. (LOW BACK PRESSURE) |         |    |     |          |       |       |     |     |      |     |    |       |     |              |     |     |
| AE 2410ZK                            | 220-240 | 50 | LBP | C.S.I.R. | 5.99  | 921   | 270 | 239 | 1.13 | 1.5 | 9  | 36-43 | 330 | No           | No  | 189 |
|                                      | 220-240 | 50 | LBP | C.S.R.   | 5.99  | 969   | 284 | 213 | 1.33 | 1.0 | 11 | 36-43 | 330 | 5            | 440 | 189 |
| AE 2413ZK                            | 220-240 | 50 | LBP | C.S.I.R. | 6.91  | 1,109 | 325 | 284 | 1.14 | 2.0 | 11 | 36-43 | 330 | No           | No  | 189 |
| AE 2416ZK                            | 220-240 | 50 | LBP | C.S.I.R. | 8.86  | 1,399 | 410 | 352 | 1.16 | 2.3 | 13 | 36-43 | 330 | No           | No  | 202 |
|                                      | 220-240 | 50 | LBP | C.S.R.   | 8.86  | 1,399 | 410 | 303 | 1.35 | 1.4 | 12 | 36-43 | 330 | 8            | 440 | 189 |
| AE 2420ZK                            | 220-240 | 50 | LBP | C.S.R.   | 12.05 | 1,699 | 498 | 370 | 1.35 | 1.8 | 11 | 36-43 | 330 | 8            | 440 | 202 |
| AE 2425ZK                            | 220-240 | 50 | LBP | C.S.R.   | 14.14 | 2,092 | 613 | 488 | 1.26 | 2.7 | 16 | 36-43 | 330 | 8            | 450 | 214 |
| AE 2428ZK                            | 220-240 | 50 | LBP | C.S.R.   | 16.08 | 2,388 | 700 | 560 | 1.25 | 2.9 | 16 | 36-43 | 330 | 8            | 450 | 214 |
| AE 2432ZK                            | 220-240 | 50 | LBP | C.S.R.   | 18.00 | 2,640 | 774 | 660 | 1.17 | 3.3 | 21 | 36-43 | 330 | 15           | 440 | 214 |

## AE Series

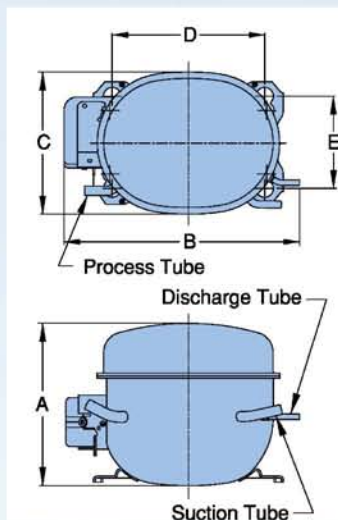
| Model                                   | Voltage | Hz. | App. | Motor Type | Disp. (CC) | Cooling (BTU/Hr) | Cooling (W) | Input (W) | COP W/W | RLA (A) | LRA (A) | Start CAP. |      | Run CAP. |              | Dim. "A" |
|-----------------------------------------|---------|-----|------|------------|------------|------------------|-------------|-----------|---------|---------|---------|------------|------|----------|--------------|----------|
|                                         |         |     |      |            |            |                  |             |           |         |         |         | MFD        | VAC. | MFD      | VAC.         |          |
| AE SERIES                               |         |     |      |            |            |                  |             |           |         |         |         |            |      |          | R 404A/R 507 |          |
| 208-230 V/60 Hz. (LOW BACK PRESSURE)    |         |     |      |            |            |                  |             |           |         |         |         |            |      |          |              |          |
| AE 2410ZK-2                             | 208-230 | 60  | LBP  | C.S.I.R.   | 5.99       | 1,153            | 338         | 278       | 1.22    | 1.9     | 14      | 36-43      | 330  | No       | No           | 189      |
|                                         | 208-230 | 60  | LBP  | C.S.R.     | 5.99       | 1,153            | 338         | 262       | 1.29    | 1.3     | 12      | 36-43      | 330  | 4        | 440          | 189      |
| AE 2413ZK-2                             | 208-230 | 60  | LBP  | C.S.I.R.   | 6.91       | 1,307            | 383         | 323       | 1.19    | 1.2     | 12      | 36-43      | 330  | No       | No           | 189      |
|                                         | 208-230 | 60  | LBP  | C.S.R.     | 6.91       | 1,331            | 390         | 300       | 1.30    | 1.5     | 12      | 36-43      | 330  | 4        | 440          | 189      |
| AE 2416ZK-2                             | 208-230 | 60  | LBP  | C.S.R.     | 8.12       | 1,580            | 463         | 348       | 1.33    | 1.7     | 16      | 36-43      | 330  | 5        | 440          | 189      |
| AE 2420ZK-2                             | 208-230 | 60  | LBP  | C.S.R.     | 12.05      | 1,962            | 575         | 475       | 1.21    | 2.2     | 17      | 36-43      | 330  | 10       | 440          | 214      |
| AE 2425ZK-2                             | 208-230 | 60  | LBP  | C.S.R.     | 14.14      | 2,286            | 670         | 546       | 1.23    | 2.6     | 27      | 36-43      | 330  | 12       | 440          | 214      |
| AE 2428ZK-2                             | 208-230 | 60  | LBP  | C.S.R.     | 16.08      | 2,730            | 800         | 656       | 1.22    | 3.2     | 20      | 36-43      | 330  | 12       | 440          | 214      |
| MrCool.ir                               |         |     |      |            |            |                  |             |           |         |         |         |            |      |          |              |          |
| 100 V/50-60 Hz. (LOW BACK PRESSURE)     |         |     |      |            |            |                  |             |           |         |         |         |            |      |          |              |          |
| AE 2410ZK-3                             | 100     | 50  | LBP  | C.S.I.R.   | 5.99       | 969              | 284         | 280       | 1.01    | 5.0     | 27      | 108-130    | 250  | No       | No           | 189      |
|                                         | 100     | 60  | LBP  | C.S.I.R.   | 5.99       | 1,136            | 333         | 295       | 1.13    | 4.2     | 23      | 108-130    | 250  | No       | No           | 189      |
| AE 2413ZK-3                             | 100     | 50  | LBP  | C.S.I.R.   | 6.91       | 1,109            | 325         | 358       | 0.91    | 6.1     | 27      | 108-130    | 250  | No       | No           | 189      |
|                                         | 100     | 60  | LBP  | C.S.I.R.   | 6.91       | 1,314            | 385         | 360       | 1.07    | 5.0     | 24      | 108-130    | 250  | No       | No           | 189      |
| AE SERIES                               |         |     |      |            |            |                  |             |           |         |         |         |            |      |          | R 407C       |          |
| 220-240 V/50 Hz. (MEDIUM BACK PRESSURE) |         |     |      |            |            |                  |             |           |         |         |         |            |      |          |              |          |
| AE 7445GK                               | 220-240 | 50  | MBP  | C.S.R.     | 16.08      | 3,798            | 1,113       | 801       | 1.39    | 4.0     | 16      | 36-43      | 330  | 15       | 440          | 214      |
| AE 7457GK                               | 220-240 | 50  | MBP  | C.S.R.     | 18.00      | 4,367            | 1,280       | 880       | 1.45    | 4.3     | 21      | 36-43      | 330  | 15       | 440          | 214      |
| 220-240 V/50 Hz. (HIGH BACK PRESSURE)   |         |     |      |            |            |                  |             |           |         |         |         |            |      |          |              |          |
| AE 5462GK                               | 220-240 | 50  | HBP  | P.S.C.     | 14.14      | 5,906            | 1,731       | 804       | 2.15    | 3.8     | 18      | No         | No   | 15       | 440          | 214      |
| 208-230 V/60 Hz. (HIGH BACK PRESSURE)   |         |     |      |            |            |                  |             |           |         |         |         |            |      |          |              |          |
| AE 5462GK-2                             | 208-230 | 60  | HBP  | P.S.C.     | 14.14      | 7,097            | 2,080       | 970       | 2.14    | 4.5     | 24      | No         | No   | 15       | 440          | 214      |

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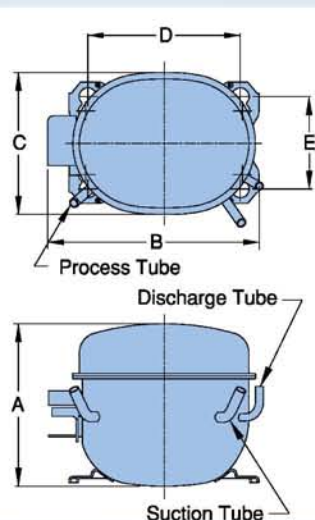
## AE Compressor

General Dimensions (mm.)

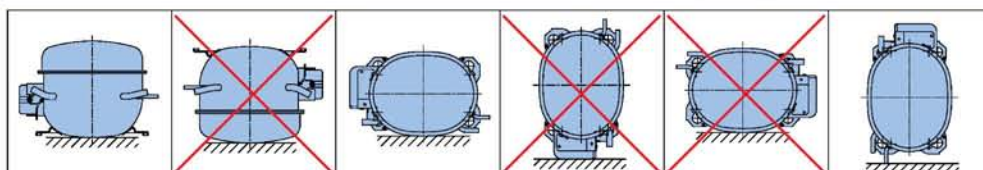
AE-1



AE-2



## Allowable Positions For Shipping After Compressor Assembly



## BA Series

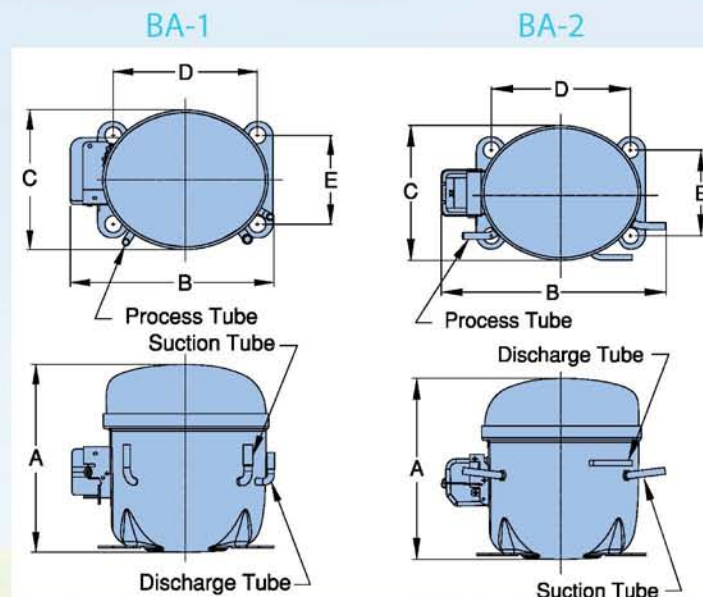
| Model                                | Voltage | Hz. | App. | Motor Type | Disp. (CC) | Cooling (BTU/Hr) | Cooling (W) | Input (W) | COP W/W | RLA (A) | LRA (A) | Start CAP. |        | Run CAP. |      | Dim. "A" |
|--------------------------------------|---------|-----|------|------------|------------|------------------|-------------|-----------|---------|---------|---------|------------|--------|----------|------|----------|
|                                      |         |     |      |            |            |                  |             |           |         |         |         | MFD        | VAC.   | MFD      | VAC. |          |
| BA SERIES                            |         |     |      |            |            |                  |             |           |         |         |         |            | R 134a |          |      |          |
| 220-240 V/50 Hz. (LOW BACK PRESSURE) |         |     |      |            |            |                  |             |           |         |         |         |            |        |          |      |          |
| BA 1360Y                             | 220-240 | 50  | LBP  | R.S.I.R.   | 5.99       | 546              | 160         | 120       | 1.33    | 0.9     | 10      | No         | No     | No       | No   | 193      |
|                                      | 220-240 | 50  | LBP  | R.S.C.R.   | 5.99       | 546              | 160         | 110       | 1.45    | 0.9     | 10      | No         | No     | 4        | 440  | 193      |
| BA1370Y                              | 220-240 | 50  | LBP  | R.S.I.R.   | 6.91       | 672              | 197         | 147       | 1.34    | 1.1     | 12      | No         | No     | No       | No   | 193      |
|                                      | 220-240 | 50  | LBP  | R.S.C.R.   | 6.91       | 679              | 199         | 138       | 1.44    | 1.1     | 12      | No         | No     | 4        | 440  | 193      |
| BA 1390Y                             | 220-240 | 50  | LBP  | R.S.I.R.   | 8.11       | 819              | 240         | 174       | 1.38    | 1.2     | 12      | No         | No     | No       | No   | 193      |
|                                      | 220-240 | 50  | LBP  | R.S.C.R.   | 8.11       | 826              | 242         | 163       | 1.48    | 1.2     | 12      | No         | No     | 4        | 440  | 193      |
| BA 1410Y                             | 220-240 | 50  | LBP  | R.S.I.R.   | 9.42       | 945              | 277         | 208       | 1.33    | 1.6     | 20      | No         | No     | No       | No   | 205      |
|                                      | 220-240 | 50  | LBP  | R.S.C.R.   | 9.42       | 938              | 275         | 190       | 1.45    | 1.6     | 20      | No         | No     | 4        | 440  | 205      |
| BA 2413Y                             | 220-240 | 50  | LBP  | C.S.I.R.   | 10.90      | 1,110            | 325         | 253       | 1.28    | 1.8     | 10      | 36-43      | 330    | No       | No   | 193      |

| BA SERIES                               |         |    |     |        |       |       |       |       |      |     |    |       |     | R 404A/R 507 |     |     |
|-----------------------------------------|---------|----|-----|--------|-------|-------|-------|-------|------|-----|----|-------|-----|--------------|-----|-----|
| MrCool.ir                               |         |    |     |        |       |       |       |       |      |     |    |       |     |              |     |     |
| 220-240 V/50 Hz. (MEDIUM BACK PRESSURE) |         |    |     |        |       |       |       |       |      |     |    |       |     |              |     |     |
| BA 7430Z                                | 220-240 | 50 | MBP | C.S.R. | 8.85  | 2,577 | 755   | 495   | 1.53 | 2.5 | 17 | 36-43 | 330 | 8            | 440 | 205 |
| BA 7440Z                                | 220-240 | 50 | MBP | C.S.R. | 12.05 | 3,300 | 967   | 616   | 1.57 | 2.0 | 18 | 36-43 | 330 | 15           | 440 | 215 |
| BA 7443Z                                | 220-240 | 50 | MBP | C.S.R. | 14.14 | 3,900 | 1,143 | 770   | 1.48 | 3.7 | 19 | 36-43 | 330 | 20           | 440 | 215 |
| BA 7452Z                                | 220-240 | 50 | MBP | C.S.R. | 16.08 | 4,500 | 1,319 | 895   | 1.47 | 4.6 | 25 | 36-43 | 330 | 15           | 440 | 215 |
| BA 7459Z                                | 220-240 | 50 | MBP | C.S.R. | 18.00 | 4,947 | 1,450 | 1,030 | 1.41 | 5.0 | 25 | 36-43 | 330 | 20           | 440 | 215 |
| 208-230 V/60 Hz. (MEDIUM BACK PRESSURE) |         |    |     |        |       |       |       |       |      |     |    |       |     |              |     |     |
| BA 7440Z-2                              | 208-230 | 60 | MBP | C.S.R. | 12.05 | 3,850 | 1,128 | 732   | 1.54 | 3.7 | 29 | 36-43 | 330 | 12           | 440 | 215 |
| BA 7443Z-2                              | 208-230 | 60 | MBP | C.S.R. | 14.14 | 4,290 | 1,257 | 880   | 1.43 | 4.4 | 27 | 36-43 | 330 | 15           | 440 | 215 |

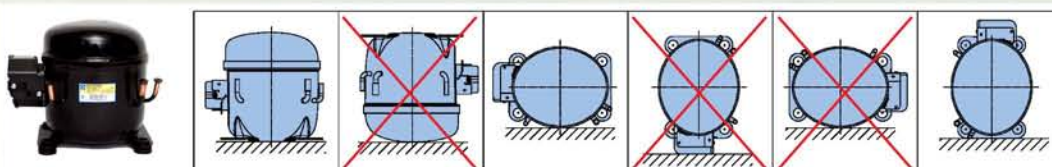
| BA SERIES                            |         |    |     |          |      |     |     |     |      |     |    |    |    | R 600a |     |     |
|--------------------------------------|---------|----|-----|----------|------|-----|-----|-----|------|-----|----|----|----|--------|-----|-----|
| 220-240 V/50 Hz. (LOW BACK PRESSURE) |         |    |     |          |      |     |     |     |      |     |    |    |    |        |     |     |
| BA 1340M                             | 220-240 | 50 | LBP | R.S.C.R. | 6.91 | 382 | 112 | 78  | 1.43 | 0.4 | 7  | No | No | 4      | 440 | 193 |
| BA 1350M                             | 220-240 | 50 | LBP | R.S.C.R. | 8.11 | 450 | 132 | 90  | 1.46 | 0.4 | 7  | No | No | 5      | 450 | 193 |
| BA 1360M                             | 220-240 | 50 | LBP | R.S.C.R. | 9.42 | 545 | 160 | 109 | 1.46 | 0.5 | 9  | No | No | 4      | 440 | 193 |
| 100V/50-60 Hz. (LOW BACK PRESSURE)   |         |    |     |          |      |     |     |     |      |     |    |    |    |        |     |     |
| BA 1350M-3                           | 100     | 50 | LBP | R.S.I.R. | 8.11 | 444 | 130 | 102 | 1.27 | 1.8 | 14 | No | No | No     | No  | 193 |
|                                      | 100     | 60 | LBP | R.S.I.R. | 8.11 | 512 | 150 | 115 | 1.30 | 1.7 | 13 | No | No | No     | No  | 193 |

### BA Compressor

General Dimensions (mm.)



### Allowable Positions For Shipping After Compressor Assembly



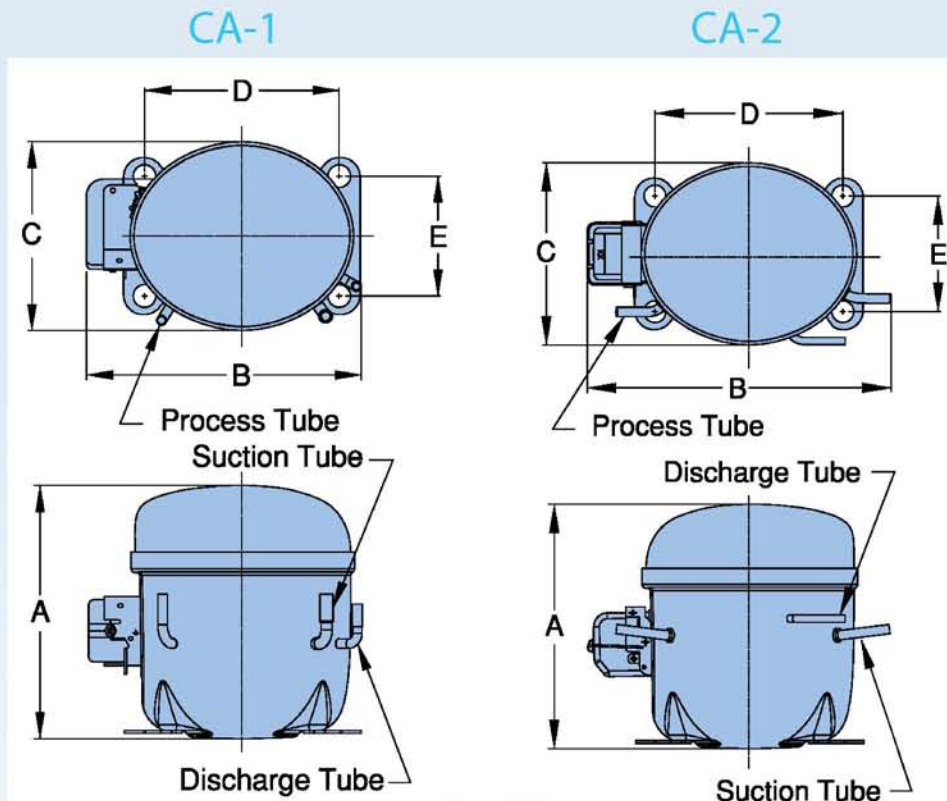
## CA Series

| Model                                       | Voltage | Hz. | App. | Motor Type | Disp. (CC) | Cooling (BTU/Hr) | Cooling (W) | Input (W) | COP W/W | RLA (A) | LRA (A) | Start CAP. |      | Run CAP. |      | Dim. "A" |
|---------------------------------------------|---------|-----|------|------------|------------|------------------|-------------|-----------|---------|---------|---------|------------|------|----------|------|----------|
|                                             |         |     |      |            |            |                  |             |           |         |         |         | MFD        | VAC. | MFD      | VAC. |          |
| CA SERIES                                   |         |     |      |            |            |                  |             |           |         |         |         |            |      | R 134a   |      |          |
| 220-240 V/50 Hz. (COMMERCIAL BACK PRESSURE) |         |     |      |            |            |                  |             |           |         |         |         |            |      |          |      |          |
| CA 9437Y                                    | 220-240 | 50  | CBP  | C.S.R.     | 18.00      | 3,140            | 920         | 510       | 1.80    | 2.5     | 16      | 36-43      | 330  | 10       | 440  | 215      |
| CA 9440Y                                    | 220-240 | 50  | CBP  | C.S.R.     | 20.00      | 3,410            | 1,000       | 590       | 1.70    | 2.9     | 16      | 43-52      | 330  | 10       | 440  | 215      |
| CA 9445Y                                    | 220-240 | 50  | CBP  | C.S.R.     | 22.00      | 3,750            | 1,100       | 665       | 1.65    | 3.5     | 21      | 43-52      | 330  | 15       | 440  | 215      |
| 220-240 V/50 Hz. (MEDIUM BACK PRESSURE)     |         |     |      |            |            |                  |             |           |         |         |         |            |      |          |      |          |
| CA 7440Y                                    | 220-240 | 50  | MBP  | C.S.R.     | 20.00      | 3,410            | 1,000       | 590       | 1.70    | 2.9     | 16      | 43-52      | 330  | 10       | 440  | 215      |
| CA 7445Y                                    | 220-240 | 50  | MBP  | C.S.R.     | 22.00      | 3,750            | 1,100       | 665       | 1.65    | 3.5     | 21      | 43-52      | 330  | 15       | 440  | 215      |
| 220-240 V/50 Hz. (HIGH BACK PRESSURE)       |         |     |      |            |            |                  |             |           |         |         |         |            |      |          |      |          |
| CA 4474Y                                    | 220-240 | 50  | HBP  | C.S.R.     | 20.00      | 6,240            | 1,830       | 795       | 2.30    | 3.9     | 16      | 43-52      | 330  | 10       | 440  | 215      |
| CA 4482Y                                    | 220-240 | 50  | HBP  | C.S.R.     | 22.00      | 6,820            | 2,000       | 930       | 2.30    | 3.5     | 21      | 43-52      | 330  | 15       | 440  | 215      |
| 208-230 V/60 Hz. (COMMERCIAL BACK PRESSURE) |         |     |      |            |            |                  |             |           |         |         |         |            |      |          |      |          |
| CA 9440Y-2                                  | 208-230 | 60  | CBP  | C.S.R.     | 20.00      | 3,900            | 1,145       | 700       | 1.63    | 3.3     | 20      | 43-52      | 330  | 10       | 440  | 215      |
| CA 9445Y-2                                  | 208-230 | 60  | CBP  | C.S.R.     | 22.00      | 4,210            | 1,235       | 775       | 1.59    | 3.4     | 20      | 43-52      | 330  | 15       | 440  | 215      |

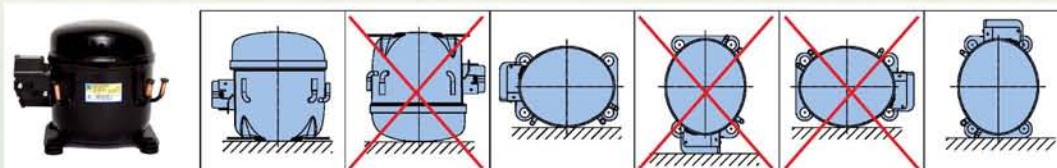
| CA SERIES                            |         |    |     |        |       |       |     |     |      |     |    |       | R 404A/R 507 |    |     |     |
|--------------------------------------|---------|----|-----|--------|-------|-------|-----|-----|------|-----|----|-------|--------------|----|-----|-----|
| 220-240 V/50 Hz. (LOW BACK PRESSURE) |         |    |     |        |       |       |     |     |      |     |    |       |              |    |     |     |
| CA 2435Z                             | 220-240 | 50 | LBP | C.S.R. | 20.00 | 3,150 | 925 | 740 | 1.25 | 4.2 | 21 | 43-52 | 330          | 15 | 440 | 215 |
| 208-230 V/60 Hz. (LOW BACK PRESSURE) |         |    |     |        |       |       |     |     |      |     |    |       |              |    |     |     |
| CA 2435Z-2                           | 208-230 | 60 | LBP | C.S.R. | 20.00 | 3,394 | 995 | 917 | 1.08 | 4.1 | 28 | 43-52 | 330          | 20 | 440 | 215 |

### CA Compressor

General Dimensions (mm.)



### Allowable Positions For Shipping After Compressor Assembly



## WJ Series

| Model                                       | Voltage | Hz. | App. | Motor Type | Disp. (CC) | Cooling (BTU/Hr) | Cooling (W) | Input (W) | EER  | RLA (A) | LRA (A) | Start CAP. |      | Run CAP. |      | Dim. "A" |
|---------------------------------------------|---------|-----|------|------------|------------|------------------|-------------|-----------|------|---------|---------|------------|------|----------|------|----------|
|                                             |         |     |      |            |            |                  |             |           |      |         |         | MFD        | VAC. | MFD      | VAC. |          |
| WJ SERIES                                   |         |     |      |            |            |                  |             |           |      |         |         | R 134a     |      |          |      |          |
| 220-240 V/50 Hz. (COMMERCIAL BACK PRESSURE) |         |     |      |            |            |                  |             |           |      |         |         |            |      |          |      |          |
| WJ 9430YK                                   | 220-240 | 50  | CBP  | C.S.R.     | 19.80      | 3,000            | 879         | 490       | 6.12 | 2.1     | 19      | 88-106     | 330  | 15       | 440  | 264      |
| WJ 9440YK                                   | 220-240 | 50  | CBP  | C.S.R.     | 21.55      | 3,490            | 1,023       | 560       | 6.23 | 2.6     | 19      | 88-106     | 330  | 15       | 440  | 264      |
| WJ 9445YK                                   | 220-240 | 50  | CBP  | C.S.R.     | 24.20      | 3,990            | 1,169       | 640       | 6.23 | 2.9     | 19      | 88-106     | 330  | 20       | 440  | 264      |
| WJ 9450YK                                   | 220-240 | 50  | CBP  | C.S.R.     | 26.75      | 4,590            | 1,345       | 790       | 5.81 | 4.8     | 30      | 88-106     | 330  | 15       | 440  | 264      |
| WJ 9460YK                                   | 220-240 | 50  | CBP  | C.S.R.     | 30.50      | 5,390            | 1,580       | 870       | 6.20 | 4.2     | 30      | 88-106     | 330  | 15       | 440  | 264      |
| WJ 9470YK                                   | 220-240 | 50  | CBP  | C.S.R.     | 34.50      | 5,840            | 1,712       | 975       | 5.99 | 4.2     | 30      | 88-106     | 330  | 15       | 440  | 264      |
| 115 V/60 Hz. (COMMERCIAL BACK PRESSURE)     |         |     |      |            |            |                  |             |           |      |         |         |            |      |          |      |          |
| WJ 9440YK-1                                 | 115     | 60  | CBP  | C.S.R.     | 21.55      | 4,025            | 1,180       | 685       | 5.88 | 6.5     | 47      | 216-259    | 250  | 25       | 440  | 264      |
| WJ 9445YK-1                                 | 115     | 60  | CBP  | C.S.R.     | 24.20      | 4,710            | 1,380       | 810       | 5.81 | 7.6     | 52      | 216-259    | 250  | 30       | 440  | 264      |
| WJ 9460YK-1                                 | 115     | 60  | CBP  | C.S.R.     | 30.50      | 6,250            | 1,832       | 1,090     | 5.73 | 9.7     | 61      | 216-259    | 250  | 30       | 440  | 264      |
| 208-230 V/60 Hz. (COMMERCIAL BACK PRESSURE) |         |     |      |            |            |                  |             |           |      |         |         |            |      |          |      |          |
| WJ 9440YK-2                                 | 208-230 | 60  | CBP  | C.S.R.     | 21.55      | 3,950            | 1,158       | 680       | 5.81 | 3.2     | 19      | 88-106     | 330  | 20       | 440  | 264      |
| WJ 9445YK-2                                 | 208-230 | 60  | CBP  | C.S.R.     | 24.20      | 4,660            | 1,366       | 767       | 6.08 | 3.5     | 37      | 108-130    | 330  | 20       | 440  | 264      |
| WJ 9460YK-2                                 | 208-230 | 60  | CBP  | C.S.R.     | 30.50      | 6,140            | 1,800       | 1,025     | 5.99 | 4.7     | 32      | 108-130    | 330  | 15       | 440  | 264      |
| WJ SERIES                                   |         |     |      |            |            |                  |             |           |      |         |         | R 22       |      |          |      |          |
| 220-240 V/50 Hz. (COMMERCIAL BACK PRESSURE) |         |     |      |            |            |                  |             |           |      |         |         |            |      |          |      |          |
| WJ 9460EK                                   | 220-240 | 50  | CBP  | C.S.R.     | 19.80      | 5,080            | 1,489       | 855       | 5.94 | 4.6     | 28      | 88-106     | 330  | 15       | 440  | 264      |
| WJ 9470EK                                   | 220-240 | 50  | CBP  | C.S.R.     | 21.55      | 5,800            | 1,700       | 958       | 6.05 | 4.6     | 30      | 88-106     | 330  | 20       | 440  | 264      |
| WJ 9480EK                                   | 220-240 | 50  | CBP  | C.S.R.     | 24.20      | 6,480            | 1,899       | 1,100     | 5.89 | 5.3     | 28      | 88-106     | 330  | 25       | 440  | 264      |
| WJ 9485EK                                   | 220-240 | 50  | CBP  | C.S.R.     | 26.70      | 7,300            | 2,140       | 1,246     | 5.86 | 5.7     | 38      | 145-174    | 330  | 25       | 440  | 264      |
| WJ 9510EK                                   | 220-240 | 50  | CBP  | C.S.R.     | 30.50      | 8,390            | 2,459       | 1,425     | 5.89 | 6.5     | 40      | 145-174    | 330  | 25       | 440  | 264      |
| 220-240 V/50 Hz. (HIGH BACK PRESSURE)       |         |     |      |            |            |                  |             |           |      |         |         |            |      |          |      |          |
| WJ 4518EK                                   | 220-240 | 50  | HBP  | C.S.R.     | 30.50      | 15,090           | 4,423       | 1,780     | 8.48 | 8.6     | 43      | 88-106     | 330  | 25       | 440  | 264      |
| WJ 5510EK                                   | 220-240 | 50  | HBP  | P.S.C.     | 19.80      | 9,170            | 2,688       | 1,094     | 8.38 | 5.5     | 28      | No         | No   | 15       | 440  | 264      |
| WJ 5513EK                                   | 220-240 | 50  | HBP  | P.S.C.     | 21.50      | 10,790           | 3,162       | 1,218     | 8.86 | 5.6     | 30      | No         | No   | 20       | 440  | 264      |
| WJ 5515EK                                   | 220-240 | 50  | HBP  | P.S.C.     | 24.20      | 12,000           | 3,517       | 1,360     | 8.82 | 6.4     | 28      | No         | No   | 25       | 440  | 264      |
| WJ 5516EK                                   | 220-240 | 50  | HBP  | P.S.C.     | 26.75      | 13,390           | 3,924       | 1,550     | 8.64 | 6.9     | 38      | No         | No   | 25       | 440  | 264      |
| WJ 5518EK                                   | 220-240 | 50  | HBP  | P.S.C.     | 30.50      | 15,090           | 4,423       | 1,780     | 8.48 | 8.6     | 43      | No         | No   | 25       | 440  | 264      |
| 208-230 V/60 Hz. (HIGH BACK PRESSURE)       |         |     |      |            |            |                  |             |           |      |         |         |            |      |          |      |          |
| WJ 5510EK-2                                 | 208-230 | 60  | HBP  | P.S.C.     | 19.80      | 11,560           | 3,388       | 1,380     | 8.38 | 7.1     | 37      | No         | No   | 15       | 440  | 264      |
| WJ 5513EK-2                                 | 208-230 | 60  | HBP  | P.S.C.     | 21.50      | 13,000           | 3,810       | 1,485     | 8.75 | 6.5     | 32      | No         | No   | 25       | 440  | 264      |
| WJ 5515EK-2                                 | 208-230 | 60  | HBP  | P.S.C.     | 24.20      | 14,390           | 4,217       | 1,717     | 8.38 | 8.1     | 38      | No         | No   | 25       | 440  | 264      |
| WJ 5516EK-2                                 | 208-230 | 60  | HBP  | P.S.C.     | 26.75      | 16,100           | 4,719       | 1,925     | 8.36 | 8.8     | 44      | No         | No   | 25       | 440  | 264      |
| WJ 5518EK-2                                 | 208-230 | 60  | HBP  | P.S.C.     | 30.50      | 18,690           | 5,478       | 2,230     | 8.38 | 10.0    | 53      | No         | No   | 30       | 440  | 264      |
| WJ SERIES                                   |         |     |      |            |            |                  |             |           |      |         |         | R 407C     |      |          |      |          |
| 220-240 V/50 Hz. (COMMERCIAL BACK PRESSURE) |         |     |      |            |            |                  |             |           |      |         |         |            |      |          |      |          |
| WJ 9460GK                                   | 220-240 | 50  | CBP  | C.S.R.     | 19.80      | 5,080            | 1,489       | 855       | 5.94 | 4.6     | 28      | 88-106     | 330  | 15       | 440  | 264      |
| WJ 9470GK                                   | 220-240 | 50  | CBP  | C.S.R.     | 21.55      | 5,800            | 1,700       | 958       | 6.05 | 4.6     | 30      | 88-106     | 330  | 20       | 440  | 264      |
| WJ 9480GK                                   | 220-240 | 50  | CBP  | C.S.R.     | 24.20      | 6,480            | 1,899       | 1,100     | 5.89 | 5.3     | 28      | 88-106     | 330  | 25       | 440  | 264      |
| WJ 9485GK                                   | 220-240 | 50  | CBP  | C.S.R.     | 26.70      | 7,300            | 2,140       | 1,246     | 5.86 | 5.7     | 38      | 145-175    | 330  | 25       | 440  | 264      |
| WJ 9510GK                                   | 220-240 | 50  | CBP  | C.S.R.     | 30.50      | 8,390            | 2,459       | 1,425     | 5.89 | 6.5     | 40      | 145-174    | 330  | 25       | 440  | 264      |
| WJ SERIES                                   |         |     |      |            |            |                  |             |           |      |         |         | R 404A     |      |          |      |          |
| 220-240 V/50 Hz. (LOW BACK PRESSURE)        |         |     |      |            |            |                  |             |           |      |         |         |            |      |          |      |          |
| WJ 2430ZK                                   | 220-240 | 50  | LBP  | C.S.R.     | 19.80      | 2,390            | 700         | 550       | 4.35 | 2.6     | 30      | 108-130    | 330  | 20       | 440  | 264      |
| WJ 2435ZK                                   | 220-240 | 50  | LBP  | C.S.R.     | 21.50      | 2,900            | 850         | 637       | 4.55 | 2.7     | 30      | 108-130    | 330  | 20       | 440  | 264      |
| WJ 2440ZK                                   | 220-240 | 50  | LBP  | C.S.R.     | 24.20      | 3,290            | 964         | 731       | 4.50 | 3.3     | 30      | 145-174    | 330  | 25       | 440  | 264      |
| WJ 2450ZK                                   | 220-240 | 50  | LBP  | C.S.R.     | 26.75      | 3,800            | 1,114       | 865       | 4.39 | 4.5     | 34      | 145-174    | 330  | 25       | 440  | 264      |
| WJ 2455ZK                                   | 220-240 | 50  | LBP  | C.S.R.     | 30.50      | 4,700            | 1,377       | 1,050     | 4.48 | 4.9     | 35      | 145-174    | 330  | 25       | 440  | 264      |
| 220-240 V/50 Hz. (COMMERCIAL BACK PRESSURE) |         |     |      |            |            |                  |             |           |      |         |         |            |      |          |      |          |
| WJ 9470Z                                    | 220-240 | 50  | MBP  | C.S.R.     | 21.50      | 6,180            | 1,811       | 1,050     | 5.88 | 4.9     | 23      | 88-106     | 330  | 25       | 425  | 264      |
|                                             | 220-240 | 50  | HBP  | C.S.R.     | 21.50      | 10,850           | 3,180       | 1,358     | 7.99 | 6.4     | 23      | 88-106     | 330  | 25       | 425  | 264      |
| WJ 9485Z                                    | 220-240 | 50  | MBP  | C.S.R.     | 24.20      | 7,440            | 2,181       | 1,260     | 5.90 | 6.2     | 31      | 88-106     | 330  | 25       | 425  | 264      |
|                                             | 220-240 | 50  | HBP  | C.S.R.     | 24.20      | 12,930           | 3,790       | 1,630     | 7.93 | 7.8     | 31      | 88-106     | 330  | 25       | 425  | 264      |
| WJ 9490Z                                    | 220-240 | 50  | MBP  | C.S.R.     | 26.70      | 8,000            | 2,345       | 1,400     | 5.72 | 7.0     | 33      | 108-130    | 330  | 20       | 440  | 264      |
|                                             | 220-240 | 50  | HBP  | C.S.R.     | 26.70      | 13,600           | 3,986       | 1,833     | 7.42 | 9.0     | 33      | 108-130    | 330  | 20       | 440  | 264      |
| WJ 9510Z                                    | 220-240 | 50  | MBP  | C.S.R.     | 30.50      | 9,200            | 2,696       | 1,690     | 5.44 | 9.0     | 47      | 108-130    | 330  | 25       | 425  | 264      |
|                                             | 220-240 | 50  | HBP  | C.S.R.     | 30.50      | 16,000           | 4,689       | 2,130     | 7.51 | 11.0    | 47      | 108-130    | 330  | 25       | 425  | 264      |
| WJ 9513Z                                    | 220-240 | 50  | MBP  | C.S.R.     | 34.50      | 11,000           | 3,224       | 1,964     | 5.60 | 9.2     | 50      | 108-130    | 330  | 25       | 425  | 264      |
|                                             | 220-240 | 50  | HBP  | C.S.R.     | 34.50      | 19,100           | 5,598       | 2,510     | 7.60 | 11.5    | 50      | 108-130    | 330  | 25       | 425  | 264      |
| 115 V/60 Hz. (LOW BACK PRESSURE)            |         |     |      |            |            |                  |             |           |      |         |         |            |      |          |      |          |
| WJ 2435Z-1                                  | 115     | 60  | LBP  | C.S.R.     | 21.50      | 2,900            | 850         | 747       | 3.89 | 10.0    | 71      | 189-227    | 250  | 20       | 440  | 264      |
| WJ 2450Z-1                                  | 115     | 60  | LBP  | C.S.R.     | 26.75      | 4,330            | 1,269       | 1,035     | 4.18 | 9.6     | 97      | 243-292    | 250  | 40       | 440  | 264      |
| WJ 2455Z-1                                  | 115     | 60  | LBP  | C.S.R.     | 30.50      | 5,400            | 1,583       | 1,275     | 4.24 | 13.1    | 123     | 243-292    | 250  | 40       | 440  | 264      |
| 208-230 V/60 Hz. (LOW BACK PRESSURE)        |         |     |      |            |            |                  |             |           |      |         |         |            |      |          |      |          |
| WJ 2440Z-2                                  | 208-230 | 60  | LBP  | C.S.R.     | 24.20      | 3,910            | 1,146       | 970       | 4.03 | 5.2     | 43      | 108-130    | 330  | 20       | 440  | 264      |
| WJ 2450Z-2                                  | 208-230 | 60  | LBP  | C.S.R.     | 26.75      | 4,400            | 1,290       | 1,080     | 4.07 | 5.0     | 44      | 108-130    | 330  | 25       | 425  | 264      |
| WJ 2455Z-2                                  | 208-230 | 60  | LBP  | C.S.R.     | 30.50      | 5,430            | 1,591       | 1,275     | 4.25 | 5.9     | 47      | 145-174    | 330  | 30       | 440  | 264      |

## AW Series

| Model                                   | Voltage | Hz. | App. | Motor Type | Disp. (CC) | Cooling (BTU/Hr) | Cooling (W) | Input (W) | EER   | RLA (A) | LRA (A) | Start CAP. |      | Run CAP. |         | Dim. "A" |
|-----------------------------------------|---------|-----|------|------------|------------|------------------|-------------|-----------|-------|---------|---------|------------|------|----------|---------|----------|
|                                         |         |     |      |            |            |                  |             |           |       |         |         | MFD        | VAC. | MFD      | VAC.    |          |
| AW SERIES                               |         |     |      |            |            |                  |             |           |       |         |         |            |      |          | R 134a  |          |
| 220-240 V/50 Hz. (MEDIUM BACK PRESSURE) |         |     |      |            |            |                  |             |           |       |         |         |            |      |          |         |          |
| AW 4495YK                               | 220-240 | 50  | MBP  | C.S.R.     | 30.50      | 3,580            | 1,049       | 680       | 5.26  | 3.5     | 33      | 88-106     | 330  | 20       | 370/440 | 289      |
| AW 4513YK                               | 220-240 | 50  | MBP  | C.S.R.     | 35.60      | 4,570            | 1,339       | 742       | 6.16  | 3.9     | 50      | 88-106     | 330  | 30       | 370/440 | 289      |
| AW 4514YK                               | 220-240 | 50  | MBP  | C.S.R.     | 37.50      | 4,770            | 1,398       | 745       | 6.40  | 3.9     | 54      | 88-106     | 330  | 35       | 370/440 | 324      |
| AW 4515YK                               | 220-240 | 50  | MBP  | C.S.R.     | 39.60      | 5,350            | 1,568       | 847       | 6.32  | 4.2     | 54      | 88-106     | 330  | 35       | 370/440 | 324      |
| AW 4517YK                               | 220-240 | 50  | MBP  | C.S.R.     | 48.40      | 7,330            | 2,148       | 1,050     | 6.98  | 4.9     | 35      | 108-130    | 330  | 20       | 370/440 | 324      |
| 220-240 V/50 Hz. (HIGH BACK PRESSURE)   |         |     |      |            |            |                  |             |           |       |         |         |            |      |          |         |          |
| AW 4495YK                               | 220-240 | 50  | HBP  | C.S.R.     | 30.50      | 8,120            | 2,380       | 851       | 9.54  | 4.4     | 33      | 88-106     | 330  | 20       | 370/440 | 289      |
| AW 4513YK                               | 220-240 | 50  | HBP  | C.S.R.     | 35.60      | 10,540           | 3,089       | 1,051     | 10.03 | 5.2     | 50      | 88-106     | 330  | 30       | 370/440 | 289      |
| AW 4514YK                               | 220-240 | 50  | HBP  | C.S.R.     | 37.50      | 11,370           | 3,332       | 1,104     | 10.30 | 5.4     | 54      | 88-106     | 330  | 35       | 370/440 | 324      |
| AW 4515YK                               | 220-240 | 50  | HBP  | C.S.R.     | 39.60      | 12,030           | 3,526       | 1,190     | 10.11 | 5.7     | 54      | 88-106     | 330  | 35       | 370/440 | 324      |
| AW 4517YK                               | 220-240 | 50  | HBP  | C.S.R.     | 48.40      | 14,660           | 4,297       | 1,487     | 9.86  | 6.8     | 35      | 108-130    | 330  | 20       | 370/440 | 324      |
| 208-230 V/60 Hz. (HIGH BACK PRESSURE)   |         |     |      |            |            |                  |             |           |       |         |         |            |      |          |         |          |
| AW 4495YK-2                             | 208-230 | 60  | HBP  | C.S.R.     | 30.50      | 9,980            | 2,925       | 1,075     | 9.28  | 5.2     | 47      | 130-156    | 330  | 30       | 370/440 | 289      |
| AW 4513YK-2                             | 208-230 | 60  | HBP  | C.S.R.     | 35.60      | 12,420           | 3,640       | 1,304     | 9.52  | 6.0     | 73      | 108-130    | 330  | 35       | 370/440 | 289      |
| AW 4517YK-2                             | 208-230 | 60  | HBP  | C.S.R.     | 48.40      | 17,060           | 5,000       | 1,760     | 9.69  | 8.0     | 73      | 130-156    | 330  | 35       | 370/440 | 324      |
| AW SERIES                               |         |     |      |            |            |                  |             |           |       |         |         |            |      | R 22     |         |          |
| 220-240 V/50 Hz. (HIGH BACK PRESSURE)   |         |     |      |            |            |                  |             |           |       |         |         |            |      |          |         |          |
| AW 4515EK                               | 220-240 | 50  | HBP  | C.S.R.     | 30.50      | 13,930           | 4,083       | 1,390     | 10.02 | 6.5     | 33      | 108-130    | 330  | 25       | 370/440 | 289      |
| AW 4517EK                               | 220-240 | 50  | HBP  | C.S.R.     | 32.70      | 15,140           | 4,437       | 1,536     | 9.86  | 7.6     | 50      | 108-130    | 330  | 30       | 370/440 | 289      |
| AW 4519EK                               | 220-240 | 50  | HBP  | C.S.R.     | 35.60      | 16,490           | 4,833       | 1,688     | 9.77  | 8.3     | 50      | 108-130    | 330  | 25       | 370/440 | 289      |
| AW 4520EK                               | 220-240 | 50  | HBP  | C.S.R.     | 37.50      | 17,740           | 5,199       | 1,738     | 10.21 | 8.0     | 54      | 108-130    | 330  | 35       | 370/440 | 324      |
| AW 4522EK                               | 220-240 | 50  | HBP  | C.S.R.     | 39.60      | 19,330           | 5,665       | 1,895     | 10.20 | 8.7     | 54      | 108-130    | 330  | 35       | 370/440 | 324      |
| AW 4524EK                               | 220-240 | 50  | HBP  | C.S.R.     | 43.10      | 20,950           | 6,140       | 2,089     | 10.03 | 9.6     | 51      | 108-130    | 330  | 45       | 370/440 | 324      |
| AW 4528EK                               | 220-240 | 50  | HBP  | C.S.R.     | 48.40      | 24,250           | 7,107       | 2,415     | 10.04 | 11.8    | 67      | 130-165    | 330  | 35       | 370/440 | 324      |
| AW 4530EK                               | 220-240 | 50  | HBP  | C.S.R.     | 50.60      | 25,000           | 7,327       | 2,498     | 10.01 | 12.0    | 73      | 88-106     | 330  | 50       | 370/440 | 324      |
| AW 4532EK                               | 220-240 | 50  | HBP  | C.S.R.     | 53.50      | 26,850           | 7,869       | 2,678     | 10.03 | 12.9    | 73      | 130-156    | 330  | 50       | 370/440 | 324      |
| AW 5513EK                               | 220-240 | 50  | HBP  | P.S.C.     | 27.80      | 12,060           | 3,535       | 1,270     | 9.50  | 6.4     | 32      | No         | No   | 20       | 370/440 | 289      |
| AW 5515EK                               | 220-240 | 50  | HBP  | P.S.C.     | 30.50      | 13,930           | 4,083       | 1,390     | 10.02 | 6.5     | 33      | No         | No   | 25       | 370/440 | 289      |
| AW 5517EK                               | 220-240 | 50  | HBP  | P.S.C.     | 32.70      | 15,010           | 4,399       | 1,500     | 10.01 | 7.0     | 35      | No         | No   | 30       | 370/440 | 289      |
| AW 5519EK                               | 220-240 | 50  | HBP  | P.S.C.     | 35.60      | 16,490           | 4,833       | 1,688     | 9.77  | 8.3     | 50      | No         | No   | 30       | 370/440 | 289      |
| AW 5520EK                               | 220-240 | 50  | HBP  | P.S.C.     | 37.50      | 17,740           | 5,199       | 1,738     | 10.21 | 8.0     | 54      | No         | No   | 35       | 370/440 | 324      |
| AW 5522EK                               | 220-240 | 50  | HBP  | P.S.C.     | 39.60      | 19,330           | 5,665       | 1,895     | 10.20 | 8.7     | 54      | No         | No   | 35       | 370/440 | 324      |
| AW 5524EK                               | 220-240 | 50  | HBP  | P.S.C.     | 43.10      | 20,950           | 6,140       | 2,089     | 10.03 | 9.6     | 51      | No         | No   | 45       | 370/440 | 324      |
| AW 5528EK                               | 220-240 | 50  | HBP  | P.S.C.     | 48.40      | 24,250           | 7,107       | 2,415     | 10.04 | 11.8    | 67      | No         | No   | 35       | 370/440 | 324      |
| AW 5530EK                               | 220-240 | 50  | HBP  | P.S.C.     | 50.60      | 25,000           | 7,327       | 2,498     | 10.01 | 12.0    | 73      | No         | No   | 50       | 370/440 | 324      |
| AW 5532EK                               | 220-240 | 50  | HBP  | P.S.C.     | 53.50      | 26,850           | 7,869       | 2,678     | 10.03 | 12.9    | 73      | No         | No   | 50       | 370/440 | 324      |
| AW 5535EK                               | 220-240 | 50  | HBP  | P.S.C.     | 59.00      | 29,660           | 8,693       | 3,100     | 9.57  | 15.4    | 85      | No         | No   | 60       | 370/440 | 324      |
| AW 5538EK                               | 220-240 | 50  | HBP  | P.S.C.     | 63.00      | 31,500           | 9,232       | 3,100     | 10.16 | 15.0    | 85      | 108-130    | 330  | 60       | 370/440 | 324      |
| 208-230 V/60 Hz. (HIGH BACK PRESSURE)   |         |     |      |            |            |                  |             |           |       |         |         |            |      |          |         |          |
| AW 4528EK-2                             | 208-230 | 60  | HBP  | C.S.R.     | 48.40      | 27,800           | 8,148       | 2,780     | 10.00 | 12.9    | 73      | 130-156    | 330  | 35       | 370/440 | 324      |
| AW 4532EK-2                             | 208-230 | 60  | HBP  | C.S.R.     | 53.50      | 31,970           | 9,370       | 3,228     | 9.90  | 15.2    | 89      | 130-156    | 330  | 50       | 370/440 | 324      |
| AW 5513EK-2                             | 208-230 | 60  | HBP  | P.S.C.     | 27.80      | 14,750           | 4,323       | 1,470     | 10.03 | 6.8     | 40      | No         | No   | 25       | 370/440 | 289      |
| AW 5515EK-2                             | 208-230 | 60  | HBP  | P.S.C.     | 30.50      | 16,610           | 4,868       | 1,695     | 9.80  | 8.5     | 47      | No         | No   | 25       | 370/440 | 289      |
| AW 5517EK-2                             | 208-230 | 60  | HBP  | P.S.C.     | 32.70      | 18,220           | 5,340       | 1,850     | 9.85  | 8.4     | 47      | No         | No   | 30       | 370/440 | 289      |
| AW 5519EK-2                             | 208-230 | 60  | HBP  | P.S.C.     | 35.60      | 19,640           | 5,756       | 2,039     | 9.63  | 9.3     | 48      | No         | No   | 35       | 370/440 | 289      |
| AW 5520EK-2                             | 208-230 | 60  | HBP  | P.S.C.     | 37.50      | 20,400           | 5,979       | 2,030     | 10.05 | 9.5     | 52      | No         | No   | 35       | 370/440 | 324      |
| AW 5522EK-2                             | 208-230 | 60  | HBP  | P.S.C.     | 39.60      | 22,240           | 6,518       | 2,250     | 9.88  | 10.1    | 52      | No         | No   | 30       | 370/440 | 324      |
| AW 5524EK-2                             | 208-230 | 60  | HBP  | P.S.C.     | 43.10      | 24,220           | 7,098       | 2,420     | 10.01 | 12.0    | 76      | No         | No   | 40       | 370/440 | 324      |
| AW 5528EK-2                             | 208-230 | 60  | HBP  | P.S.C.     | 48.40      | 27,870           | 8,168       | 2,830     | 9.85  | 12.9    | 66      | No         | No   | 40       | 370/440 | 324      |
| AW 5532EK-2                             | 208-230 | 60  | HBP  | P.S.C.     | 53.50      | 31,970           | 9,370       | 3,228     | 9.90  | 15.2    | 89      | No         | No   | 50       | 370/440 | 324      |
| AW 5530EK-2                             | 208-230 | 60  | HBP  | P.S.C.     | 50.60      | 30,367           | 8,900       | 3,035     | 10.01 | 14.5    | 89      | No         | No   | 50       | 370/440 | 324      |
| AW 5535EK-2                             | 208-230 | 60  | HBP  | P.S.C.     | 59.00      | 34,800           | 10,199      | 3,640     | 9.56  | 17.0    | 90      | No         | No   | 60       | 370/440 | 324      |

## AW Series

| Model                                                   | Voltage | Hz. | App. | Motor Type | Disp. (CC) | Cooling (BTU/Hr) | Cooling (W) | Input (W) | EER   | RLA (A) | LRA (A) | Start CAP. |      | Run CAP. |         | Dim. |
|---------------------------------------------------------|---------|-----|------|------------|------------|------------------|-------------|-----------|-------|---------|---------|------------|------|----------|---------|------|
|                                                         |         |     |      |            |            |                  |             |           |       |         |         | MFD        | VAC. | MFD      | VAC.    | "A"  |
| AW SERIES                                               |         |     |      |            |            |                  |             |           |       |         |         |            |      | R 22     |         |      |
| 220 V/50-60 Hz. (HIGH BACK PRESSURE)                    |         |     |      |            |            |                  |             |           |       |         |         |            |      |          |         |      |
| AW 5515EK-6                                             | 220     | 50  | HBP  | P.S.C.     | 30.50      | 13,940           | 4,086       | 1,397     | 9.98  | 6.7     | 13      | No         | No   | 25       | 370/440 | 324  |
|                                                         | 220     | 60  | HBP  | P.S.C.     | 30.50      | 16,200           | 4,748       | 1,631     | 9.93  | 7.5     | 16      | No         | No   | 25       | 370/440 | 324  |
| AW 5520EK-6                                             | 220     | 50  | HBP  | P.S.C.     | 37.50      | 17,810           | 5,220       | 1,807     | 9.86  | 9.4     | 59      | No         | No   | 35       | 370/440 | 324  |
|                                                         | 220     | 60  | HBP  | P.S.C.     | 37.50      | 20,400           | 5,979       | 2,030     | 10.05 | 9.5     | 52      | No         | No   | 35       | 370/440 | 324  |
| AW 5522EK-6                                             | 220     | 50  | HBP  | P.S.C.     | 39.60      | 18,710           | 5,484       | 1,897     | 9.86  | 9.6     | 61      | No         | No   | 30       | 370/440 | 324  |
|                                                         | 220     | 60  | HBP  | P.S.C.     | 39.60      | 21,700           | 6,360       | 2,160     | 10.05 | 10.1    | 52      | No         | No   | 30       | 370/440 | 324  |
| AW 5528EK-6                                             | 220     | 50  | HBP  | P.S.C.     | 48.40      | 23,810           | 6,978       | 2,370     | 10.05 | 11.8    | 70      | No         | No   | 35       | 370/440 | 324  |
|                                                         | 220     | 60  | HBP  | P.S.C.     | 48.40      | 28,130           | 8,244       | 2,807     | 10.02 | 12.9    | 65      | No         | No   | 35       | 370/440 | 324  |
| AW 5530EK-6                                             | 220     | 50  | HBP  | P.S.C.     | 50.60      | 25,419           | 7,450       | 2,631     | 9.66  | 14.1    | 80      | No         | No   | 45       | 370/440 | 324  |
|                                                         | 220     | 60  | HBP  | P.S.C.     | 50.60      | 30,060           | 8,810       | 3,021     | 9.95  | 13.9    | 78      | No         | No   | 45       | 370/440 | 324  |
| 380-420 V/50 Hz, 460V/60Hz.-3PHASE (HIGH BACK PRESSURE) |         |     |      |            |            |                  |             |           |       |         |         |            |      |          |         |      |
| AW 5522E-9                                              | 380-420 | 50  | HBP  | 3PHASE     | 39.60      | 17,550           | 5,144       | 1,700     | 10.32 | 2.8     | 24      | No         | No   | No       | No      | 324  |
|                                                         | 460     | 60  | HBP  | 3PHASE     | 39.60      | 21,200           | 6,213       | 2,020     | 10.50 | 2.8     | 24      | No         | No   | No       | No      | 324  |
| AW 5524E-9                                              | 380-420 | 50  | HBP  | 3PHASE     | 43.10      | 19,795           | 5,802       | 1,918     | 10.32 | 3.4     | 24      | No         | No   | No       | No      | 324  |
|                                                         | 460     | 60  | HBP  | 3PHASE     | 43.10      | 23,572           | 6,909       | 2,278     | 10.35 | 3.4     | 24      | No         | No   | No       | No      | 324  |
| AW 5528E-9                                              | 380-420 | 50  | HBP  | 3PHASE     | 48.40      | 23,203           | 6,800       | 2,230     | 10.40 | 3.9     | 31      | No         | No   | No       | No      | 324  |
|                                                         | 460     | 60  | HBP  | 3PHASE     | 48.40      | 28,219           | 8,271       | 2,670     | 10.57 | 3.9     | 31      | No         | No   | No       | No      | 324  |
| AW 5532E-9                                              | 380-420 | 50  | HBP  | 3PHASE     | 53.50      | 25,385           | 7,440       | 2,520     | 10.07 | 4.4     | 31      | No         | No   | No       | No      | 324  |
|                                                         | 460     | 60  | HBP  | 3PHASE     | 53.50      | 31,000           | 9,086       | 3,030     | 10.23 | 4.4     | 31      | No         | No   | No       | No      | 324  |

## AW SERIES

MrCool.ir

## R 404A

|                                                        |         |    |     |        |       |        |       |       |      |      |    |         |         |    |         |     |
|--------------------------------------------------------|---------|----|-----|--------|-------|--------|-------|-------|------|------|----|---------|---------|----|---------|-----|
| 220-240 V/50 Hz. (LOW BACK PRESSURE)                   |         |    |     |        |       |        |       |       |      |      |    |         |         |    |         |     |
| AW 2450ZK                                              | 220-240 | 50 | LBP | C.S.R. | 37.50 | 4,240  | 1,243 | 929   | 4.56 | 4.4  | 32 | 108-130 | 330     | 15 | 370/440 | 289 |
| AW 2462ZK                                              | 220-240 | 50 | LBP | C.S.R. | 39.60 | 5,200  | 1,524 | 1,116 | 4.66 | 5.1  | 32 | 108-130 | 330     | 20 | 370     | 289 |
| AW 2464ZK                                              | 220-240 | 50 | LBP | C.S.R. | 43.10 | 5,390  | 1,580 | 1,280 | 4.21 | 6.9  | 43 | 130-156 | 330     | 30 | 370/440 | 324 |
| AW 2495ZK                                              | 220-240 | 50 | LBP | C.S.R. | 53.50 | 7,920  | 2,321 | 1,613 | 4.91 | 8.0  | 56 | 145-174 | 330     | 25 | 440     | 324 |
| 208-230 V/60 Hz. (LOW BACK PRESSURE)                   |         |    |     |        |       |        |       |       |      |      |    |         |         |    |         |     |
| AW 2450ZK-2                                            | 208-230 | 60 | LBP | C.S.R. | 37.50 | 5,370  | 1,574 | 1,260 | 4.26 | 7.2  | 54 | 161-193 | 220/250 | 20 | 370/440 | 289 |
| AW 2462ZK-2                                            | 208-230 | 60 | LBP | C.S.R. | 39.60 | 5,800  | 1,700 | 1,330 | 4.36 | 7.6  | 54 | 161-193 | 220/250 | 20 | 370/440 | 289 |
| AW 2464ZK-2                                            | 208-230 | 60 | LBP | C.S.R. | 43.10 | 6,610  | 1,937 | 1,475 | 4.48 | 8.1  | 54 | 161-193 | 220/250 | 20 | 370/440 | 289 |
| 208-230 V/60 Hz. (MEDIUM BACK PRESSURE)                |         |    |     |        |       |        |       |       |      |      |    |         |         |    |         |     |
| AW 7512Z-2                                             | 208-230 | 60 | MBP | C.S.R. | 37.50 | 12,200 | 3,576 | 2,136 | 5.71 | 11.9 | 58 | 161-193 | 330     | 25 | 440     | 289 |
| AW 7516Z-2                                             | 208-230 | 60 | MBP | C.S.R. | 53.50 | 15,960 | 4,678 | 2,520 | 6.33 | 11.5 | 65 | 161-193 | 330     | 40 | 440     | 324 |
| 220-240 V/50 Hz. (MEDIUM BACK PRESSURE)                |         |    |     |        |       |        |       |       |      |      |    |         |         |    |         |     |
| AW 7512Z                                               | 220-240 | 50 | MBP | C.S.R. | 37.50 | 9,900  | 2,902 | 1,687 | 5.87 | 8.4  | 42 | 130-156 | 330     | 30 | 440     | 289 |
| AW 7514Z                                               | 220-240 | 50 | MBP | C.S.R. | 43.10 | 12,500 | 3,664 | 2,034 | 6.15 | 10.0 | 48 | 130-156 | 330     | 40 | 440     | 289 |
| AW 7516Z                                               | 220-240 | 50 | MBP | C.S.R. | 53.50 | 19,100 | 5,598 | 3,008 | 6.35 | 15.0 | 52 | 130-156 | 330     | 40 | 440     | 324 |
| 380-420 V/50 Hz, 460V/60Hz.-3PHASE (LOW BACK PRESSURE) |         |    |     |        |       |        |       |       |      |      |    |         |         |    |         |     |
| AW 2450Z-9                                             | 380-420 | 50 | LBP | 3PHASE | 37.50 | 4,504  | 1,320 | 925   | 4.87 | 1.9  | 24 | No      | No      | No | No      | 324 |
|                                                        | 460     | 60 | LBP | 3PHASE | 37.50 | 4,879  | 1,430 | 1,025 | 4.76 | 1.8  | 24 | No      | No      | No | No      | 324 |
| AW 2464Z-9                                             | 380-420 | 50 | LBP | 3PHASE | 43.10 | 5,541  | 1,624 | 1,140 | 4.86 | 2.1  | 24 | No      | No      | No | No      | 324 |
|                                                        | 460     | 60 | LBP | 3PHASE | 43.10 | 5,971  | 1,750 | 1,260 | 4.74 | 2.1  | 24 | No      | No      | No | No      | 324 |
| AW 2495Z-9                                             | 380-420 | 50 | LBP | 3PHASE | 53.50 | 7,813  | 2,290 | 1,520 | 5.14 | 3.1  | 31 | No      | No      | No | No      | 324 |
|                                                        | 460     | 60 | LBP | 3PHASE | 53.50 | 8,291  | 2,430 | 1,680 | 4.94 | 3.1  | 31 | No      | No      | No | No      | 324 |
| AW 2510Z-9                                             | 380-420 | 50 | LBP | 3PHASE | 59.00 | 8,564  | 2,510 | 1,690 | 5.07 | 3.1  | 35 | No      | No      | No | No      | 324 |
|                                                        | 460     | 60 | LBP | 3PHASE | 59.00 | 10,031 | 2,940 | 1,990 | 5.04 | 3.1  | 35 | No      | No      | No | No      | 324 |

## AW SERIES

## R 407C

|                                         |         |    |     |        |       |        |       |       |      |      |    |         |     |    |         |     |
|-----------------------------------------|---------|----|-----|--------|-------|--------|-------|-------|------|------|----|---------|-----|----|---------|-----|
| 220-240 V/50 Hz. (MEDIUM BACK PRESSURE) |         |    |     |        |       |        |       |       |      |      |    |         |     |    |         |     |
| AW 4515GK                               | 220-240 | 50 | MBP | C.S.R. | 30.50 | 6,580  | 1,928 | 1,046 | 6.29 | 4.9  | 33 | 108-130 | 330 | 25 | 370/440 | 289 |
| AW 4517GK                               | 220-240 | 50 | MBP | C.S.R. | 32.70 | 6,990  | 2,049 | 1,196 | 5.84 | 6.3  | 50 | 108-130 | 330 | 30 | 370/440 | 289 |
| AW 4519GK                               | 220-240 | 50 | MBP | C.S.R. | 35.60 | 8,390  | 2,459 | 1,320 | 6.36 | 6.2  | 50 | 108-130 | 330 | 25 | 370/440 | 289 |
| AW 4520GK                               | 220-240 | 50 | MBP | C.S.R. | 37.50 | 9,010  | 2,641 | 1,349 | 6.68 | 6.2  | 54 | 108-130 | 330 | 35 | 370/440 | 324 |
| AW 4522GK                               | 220-240 | 50 | MBP | C.S.R. | 39.60 | 9,760  | 2,860 | 1,334 | 7.32 | 6.2  | 54 | 108-130 | 330 | 35 | 370/440 | 324 |
| AW 4524GK                               | 220-240 | 50 | MBP | C.S.R. | 43.10 | 10,630 | 3,115 | 1,685 | 6.31 | 7.8  | 51 | 108-130 | 330 | 45 | 370/440 | 324 |
| AW 4528GK                               | 220-240 | 50 | MBP | C.S.R. | 48.40 | 12,390 | 3,631 | 1,865 | 6.64 | 9.3  | 67 | 130-156 | 330 | 35 | 370/440 | 324 |
| AW 4532GK                               | 220-240 | 50 | MBP | C.S.R. | 53.50 | 13,810 | 4,047 | 2,103 | 6.57 | 10.2 | 73 | 130-156 | 330 | 50 | 370/440 | 324 |

## AW Series

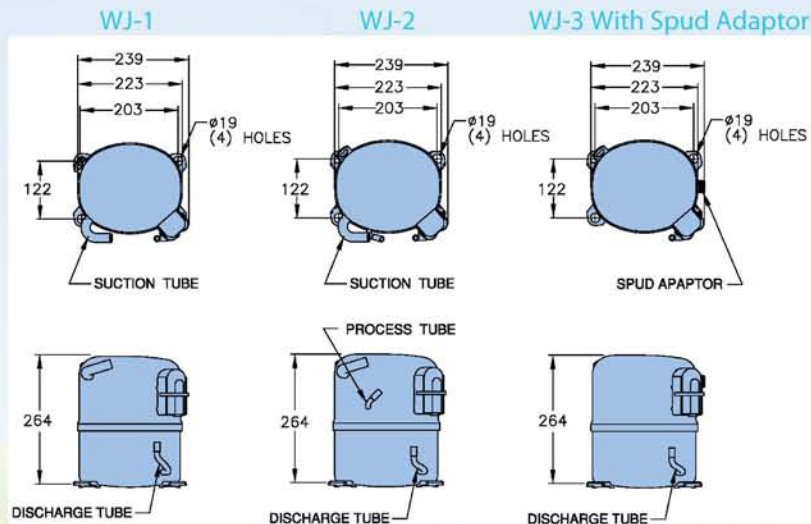
| Model                                   | Voltage | Hz. | App. | Motor Type | Disp. (CC) | Cooling (BTU/Hr) | Cooling (W) | Input (W) | EER.  | RLA (A) | LRA (A) | Start CAP. |      | Run CAP. |         | Dim. |
|-----------------------------------------|---------|-----|------|------------|------------|------------------|-------------|-----------|-------|---------|---------|------------|------|----------|---------|------|
|                                         |         |     |      |            |            |                  |             |           |       |         |         | MFD        | VAC. | MFD      | VAC.    |      |
| AW SERIES                               |         |     |      |            |            |                  |             |           |       |         |         |            |      | R 407C   |         |      |
| 208-230 V/60 Hz. (MEDIUM BACK PRESSURE) |         |     |      |            |            |                  |             |           |       |         |         |            |      |          |         |      |
| AW 4524GK-2                             | 208-230 | 60  | MBP  | C.S.R.     | 43.10      | 12,500           | 3,664       | 1,948     | 6.42  | 10.0    | 76      | 108-130    | 330  | 35       | 370/440 | 324  |
| AW 4528GK-2                             | 208-230 | 60  | MBP  | C.S.R.     | 48.40      | 14,920           | 4,373       | 2,195     | 6.80  | 10.0    | 73      | 130-156    | 330  | 35       | 370/440 | 324  |
| AW 4532GK-2                             | 208-230 | 60  | MBP  | C.S.R.     | 53.50      | 16,660           | 4,883       | 2,594     | 6.42  | 12.4    | 89      | 130-156    | 330  | 50       | 370/440 | 324  |
| 208-230 V/60 Hz. (HIGH BACK PRESSURE)   |         |     |      |            |            |                  |             |           |       |         |         |            |      |          |         |      |
| AW 4524GK-2                             | 208-230 | 60  | HBP  | C.S.R.     | 43.10      | 24,220           | 7,098       | 2,420     | 10.01 | 12.0    | 76      | 108-130    | 330  | 35       | 370/440 | 324  |
| AW 4528GK-2                             | 208-230 | 60  | HBP  | C.S.R.     | 48.40      | 27,800           | 8,148       | 2,780     | 10.00 | 10.0    | 73      | 130-156    | 330  | 35       | 370/440 | 324  |
| AW 4532GK-2                             | 208-230 | 60  | HBP  | C.S.R.     | 53.50      | 31,970           | 9,370       | 3,228     | 9.90  | 15.2    | 89      | 130-156    | 330  | 50       | 370/440 | 324  |
| AW 5519GK-2                             | 208-230 | 60  | HBP  | P.S.C.     | 35.60      | 16,970           | 4,974       | 1,951     | 8.70  | 9.1     | 70      | No         | No   | 30       | 370/440 | 289  |
| 220-240 V/50 Hz. (HIGH BACK PRESSURE)   |         |     |      |            |            |                  |             |           |       |         |         |            |      |          |         |      |
| AW 4515GK                               | 220-240 | 50  | HBP  | C.S.R.     | 30.50      | 13,930           | 4,083       | 1,390     | 10.02 | 6.5     | 33      | 108-130    | 330  | 25       | 370/440 | 289  |
| AW 4517GK                               | 220-240 | 50  | HBP  | C.S.R.     | 32.70      | 15,140           | 4,437       | 1,536     | 9.86  | 7.6     | 50      | 108-130    | 330  | 30       | 370/440 | 289  |
| AW 4519GK                               | 220-240 | 50  | HBP  | C.S.R.     | 35.60      | 16,490           | 4,833       | 1,688     | 9.77  | 8.3     | 50      | 108-130    | 330  | 25       | 370/440 | 289  |
| AW 4520GK                               | 220-240 | 50  | HBP  | C.S.R.     | 37.50      | 17,740           | 5,199       | 1,738     | 10.21 | 8.0     | 54      | 108-130    | 330  | 35       | 370/440 | 324  |
| AW 4522GK                               | 220-240 | 50  | HBP  | C.S.R.     | 39.60      | 19,330           | 5,665       | 1,895     | 10.20 | 8.7     | 54      | 108-130    | 330  | 35       | 370/440 | 324  |
| AW 4524GK                               | 220-240 | 50  | HBP  | C.S.R.     | 43.10      | 20,950           | 6,140       | 2,089     | 10.23 | 9.6     | 51      | 108-130    | 330  | 45       | 370/440 | 324  |
| AW 4528GK                               | 220-240 | 50  | HBP  | C.S.R.     | 48.40      | 24,250           | 7,107       | 2,415     | 10.04 | 11.9    | 67      | 130-156    | 330  | 35       | 370/440 | 324  |
| AW 4532GK                               | 220-240 | 50  | HBP  | C.S.R.     | 53.50      | 26,850           | 7,869       | 2,678     | 10.03 | 12.9    | 73      | 130-156    | 330  | 50       | 370/440 | 324  |
| AW 5513GK                               | 220-240 | 50  | HBP  | P.S.C.     | 30.50      | 11,530           | 3,379       | 1,317     | 8.75  | 6.2     | 33      | No         | No   | 25       | 370/440 | 289  |
| AW 5515GK                               | 220-240 | 50  | HBP  | P.S.C.     | 32.70      | 12,960           | 3,798       | 1,483     | 8.74  | 7.4     | 50      | No         | No   | 30       | 370/440 | 289  |
| AW 5517GK                               | 220-240 | 50  | HBP  | P.S.C.     | 35.60      | 14,220           | 4,168       | 1,626     | 8.75  | 8.0     | 50      | No         | No   | 30       | 370/440 | 289  |
| AW 5518GK                               | 220-240 | 50  | HBP  | P.S.C.     | 37.50      | 15,440           | 4,525       | 1,646     | 9.38  | 7.6     | 54      | No         | No   | 35       | 370/440 | 324  |
| AW 5519GK                               | 220-240 | 50  | HBP  | P.S.C.     | 39.60      | 16,880           | 4,947       | 1,808     | 9.34  | 8.3     | 54      | No         | No   | 35       | 370/440 | 324  |
| AW 5520GK                               | 220-240 | 50  | HBP  | P.S.C.     | 43.10      | 17,940           | 5,258       | 1,983     | 9.05  | 9.1     | 51      | No         | No   | 45       | 370/440 | 324  |
| AW 5525GK                               | 220-240 | 50  | HBP  | P.S.C.     | 48.40      | 21,340           | 6,254       | 2,263     | 9.43  | 11.1    | 67      | No         | No   | 35       | 370/440 | 324  |
| AW 5527GK                               | 220-240 | 50  | HBP  | P.S.C.     | 50.60      | 22,510           | 6,597       | 2,403     | 9.37  | 11.5    | 73      | No         | No   | 50       | 370/440 | 324  |

## AW SERIES

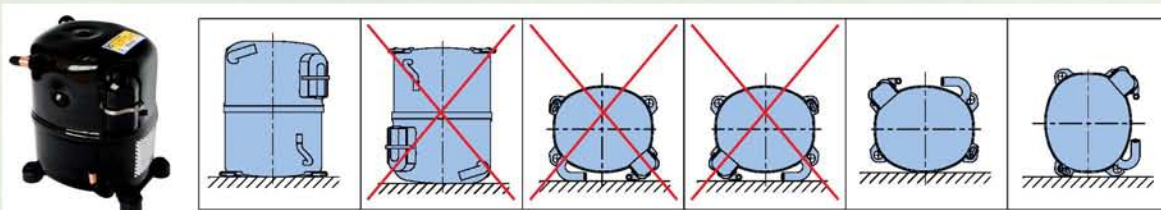
|                                              |         |    |     |        |      |        |        |       |       |      |    |        |     |    |               |     |
|----------------------------------------------|---------|----|-----|--------|------|--------|--------|-------|-------|------|----|--------|-----|----|---------------|-----|
| <i>220-240 V/50 Hz. (HIGH BACK PRESSURE)</i> |         |    |     |        |      |        |        |       |       |      |    |        |     |    | <b>R 410A</b> |     |
| AW 5520B                                     | 220-240 | 50 | HBP | P.S.C. | 27.8 | 17,400 | 5,100  | 1,770 | 9.83  | 8.4  | 52 | 88-106 | 330 | 30 | 370/440       | 324 |
| AW 5522B                                     | 220-240 | 50 | HBP | P.S.C. | 30.5 | 18,900 | 5,539  | 1,990 | 9.50  | 9.4  | 51 | 88-106 | 330 | 45 | 370/440       | 324 |
| AW 5524B                                     | 220-240 | 50 | HBP | P.S.C. | 32.7 | 20,500 | 6,008  | 2,190 | 9.36  | 10.3 | 51 | 88-106 | 330 | 45 | 370/440       | 324 |
| AW 5528B                                     | 220-240 | 50 | HBP | P.S.C. | 35.6 | 24,600 | 7,210  | 2,455 | 10.02 | 12.1 | 67 | 88-106 | 330 | 35 | 370/440       | 324 |
| AW 5530B                                     | 220-240 | 50 | HBP | P.S.C. | 37.5 | 25,300 | 7,415  | 2,550 | 9.92  | 12.7 | 73 | 88-106 | 330 | 50 | 370/440       | 324 |
| AW 5532B                                     | 220-240 | 50 | HBP | P.S.C. | 39.6 | 27,000 | 7,913  | 2,750 | 9.82  | 13.5 | 73 | 88-106 | 330 | 50 | 370/440       | 324 |
| AW 5535B                                     | 220-240 | 50 | HBP | P.S.C. | 43.1 | 29,500 | 8,646  | 3,000 | 9.83  | 15.0 | 85 | 88-106 | 330 | 35 | 370/440       | 324 |
| AW 5540B                                     | 220-240 | 50 | HBP | P.S.C. | 48.4 | 33,800 | 9,906  | 3,530 | 9.58  | 17.0 | 85 | 88-106 | 330 | 60 | 370/440       | 324 |
| AW 5542B                                     | 220-240 | 50 | HBP | P.S.C. | 50.6 | 35,200 | 10,317 | 3,700 | 9.51  | 18.0 | 85 | 88-106 | 330 | 60 | 370/440       | 324 |

## WJ Compressor

General Dimensions (mm.)



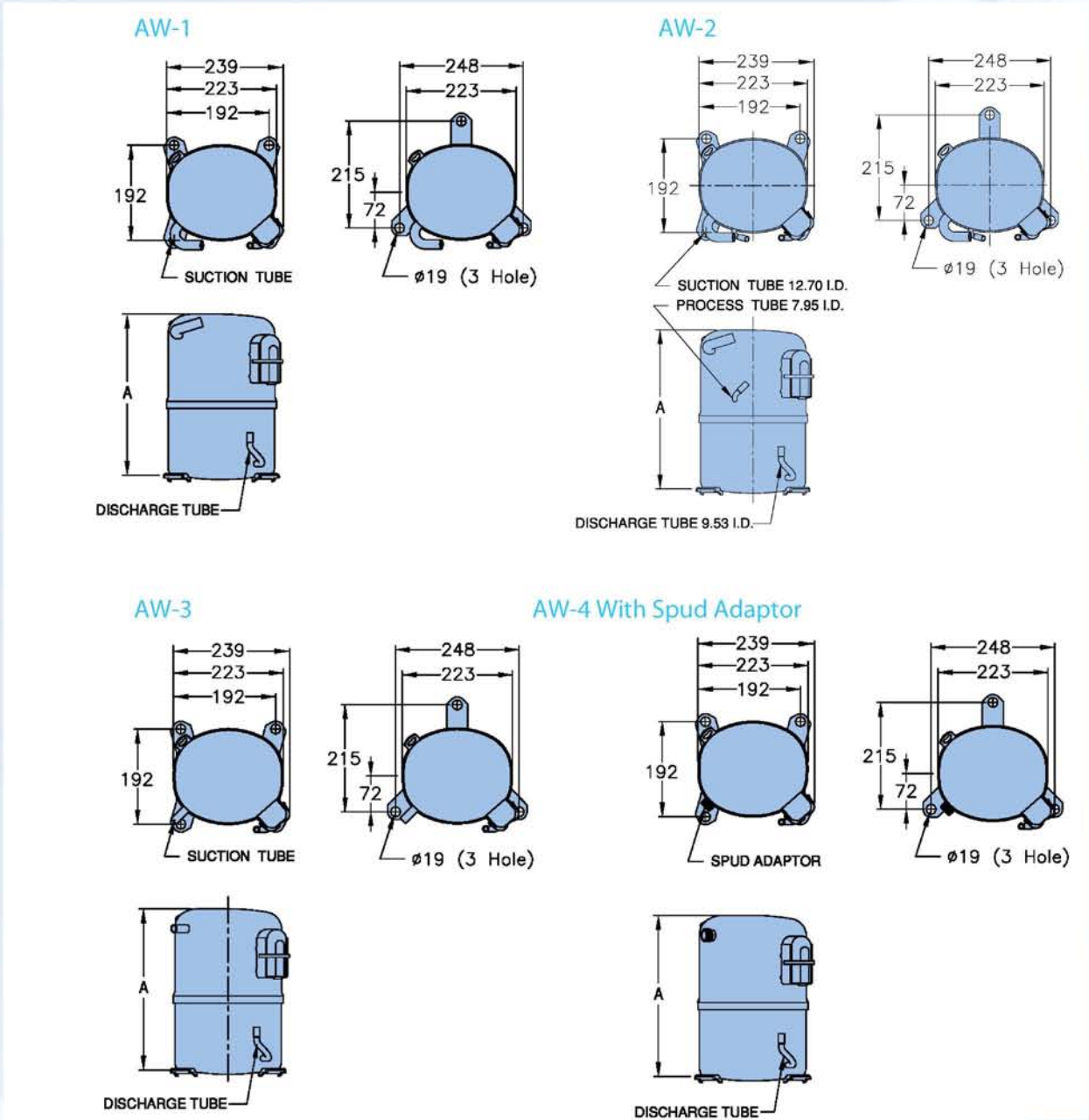
Allowable Positions For Shipping After Compressor Assembly



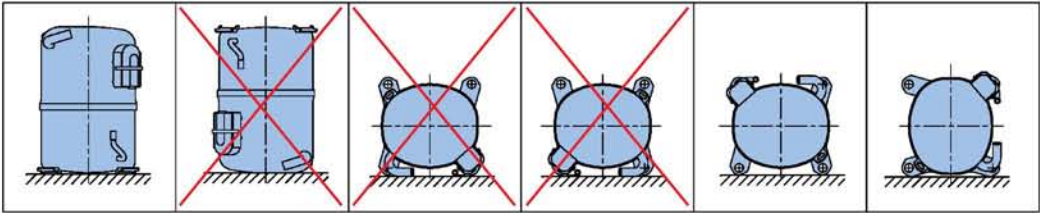
AW Series

AW Compressor

General Dimensions (mm.)



Allowable Positions For Shipping After Compressor Assembly



## KA Series

| Model                                           | Voltage | Hz. | App. | Motor Type | Disp. (CC) | Cooling (BTU/Hr) | Cooling (W) | Input (W) | EER.  | RLA (A) | LRA (A) | Start CAP. |      | Run CAP. |      | Dim. "A" |
|-------------------------------------------------|---------|-----|------|------------|------------|------------------|-------------|-----------|-------|---------|---------|------------|------|----------|------|----------|
|                                                 |         |     |      |            |            |                  |             |           |       |         |         | MFD        | VAC. | MFD      | VAC. |          |
| KA SERIES                                       |         |     |      |            |            |                  |             |           |       |         |         |            |      |          | R 22 |          |
| 380-420V/50Hz, 460V/60 Hz. (HIGH BACK PRESSURE) |         |     |      |            |            |                  |             |           |       |         |         |            |      |          |      |          |
| KA 5538EXG                                      | 380-420 | 50  | HBP  | 3 PHASE    | 65         | 30,000           | 8,790       | 2,730     | 10.99 | 5.7     | 40      | No         | No   | No       | No   | 399      |
|                                                 | 460     | 60  | HBP  | 3 PHASE    | 65         | 37,000           | 10,840      | 3,290     | 11.25 | 5.7     | 43      | No         | No   | No       | No   | 399      |
| KA 5542EXG                                      | 380-420 | 50  | HBP  | 3 PHASE    | 70         | 34,000           | 9,970       | 3,045     | 11.17 | 6.0     | 40      | No         | No   | No       | No   | 399      |
|                                                 | 460     | 60  | HBP  | 3 PHASE    | 70         | 41,000           | 12,020      | 3,630     | 11.29 | 6.0     | 43      | No         | No   | No       | No   | 399      |
| KA 5550EXG                                      | 380-420 | 50  | HBP  | 3 PHASE    | 80         | 41,000           | 12,020      | 3,690     | 11.11 | 6.8     | 40      | No         | No   | No       | No   | 399      |
|                                                 | 460     | 60  | HBP  | 3 PHASE    | 80         | 49,000           | 14,360      | 4,370     | 11.21 | 6.8     | 43      | No         | No   | No       | No   | 399      |
| KA 5555EXG                                      | 380-420 | 50  | HBP  | 3 PHASE    | 90         | 46,000           | 13,480      | 4,110     | 11.19 | 7.9     | 62      | No         | No   | No       | No   | 399      |
|                                                 | 460     | 60  | HBP  | 3 PHASE    | 90         | 55,000           | 16,120      | 4,975     | 11.06 | 8.0     | 70      | No         | No   | No       | No   | 399      |
| KA 5560EXG                                      | 380-420 | 50  | HBP  | 3 PHASE    | 100        | 53,000           | 15,530      | 4,735     | 11.19 | 8.7     | 62      | No         | No   | No       | No   | 399      |
|                                                 | 460     | 60  | HBP  | 3 PHASE    | 100        | 58,000           | 17,000      | 5,465     | 10.61 | 10.0    | 70      | No         | No   | No       | No   | 399      |
| KA 5570EXG                                      | 380-420 | 50  | HBP  | 3 PHASE    | 115        | 58,000           | 17,000      | 5,470     | 10.60 | 9.9     | 62      | No         | No   | No       | No   | 399      |
|                                                 | 460     | 60  | HBP  | 3 PHASE    | 115        | 70,000           | 20,520      | 6,620     | 10.57 | 10.5    | 70      | No         | No   | No       | No   | 399      |

## KA SERIES

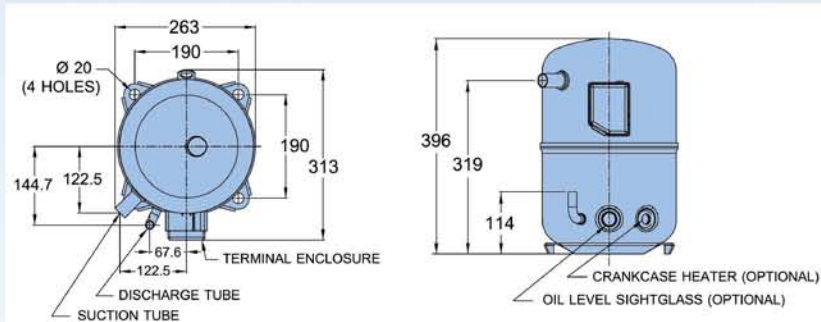
R 404A

380-420V/50Hz, 460V/60 Hz. (COMMERCIAL BACK PRESSURE)

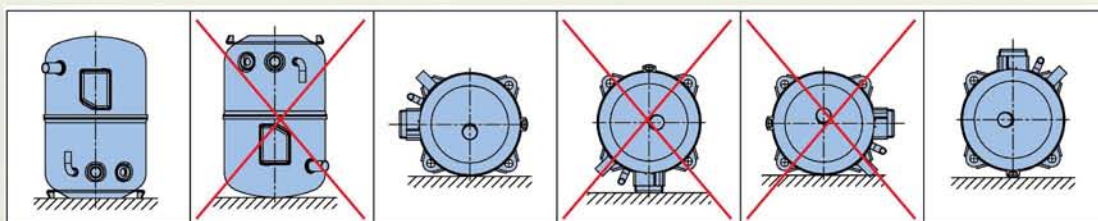
|            |         |    |     |         |     |        |        |       |      |      |    |    |    |    |    |     |
|------------|---------|----|-----|---------|-----|--------|--------|-------|------|------|----|----|----|----|----|-----|
| KA 9522ZXG | 380-420 | 50 | CBP | 3 PHASE | 65  | 19,100 | 5,600  | 2,625 | 7.28 | 5.7  | 40 | No | No | No | No | 399 |
|            | 460     | 60 | CBP | 3 PHASE | 65  | 22,300 | 6,530  | 3,035 | 7.35 | 5.7  | 43 | No | No | No | No | 399 |
| KA 9524ZXG | 380-420 | 50 | CBP | 3 PHASE | 70  | 20,800 | 6,100  | 2,800 | 7.43 | 6.0  | 40 | No | No | No | No | 399 |
|            | 460     | 60 | CBP | 3 PHASE | 70  | 23,400 | 6,860  | 3,200 | 7.31 | 6.0  | 43 | No | No | No | No | 399 |
| KA 9528ZXG | 380-420 | 50 | CBP | 3 PHASE | 80  | 24,000 | 7,030  | 3,230 | 7.43 | 6.8  | 40 | No | No | No | No | 399 |
|            | 460     | 60 | CBP | 3 PHASE | 80  | 27,500 | 8,060  | 3,690 | 7.45 | 6.8  | 43 | No | No | No | No | 399 |
| KA 9531ZXG | 380-420 | 50 | CBP | 3 PHASE | 90  | 28,600 | 8,380  | 3,675 | 7.78 | 7.9  | 62 | No | No | No | No | 399 |
|            | 460     | 60 | CBP | 3 PHASE | 90  | 31,000 | 9,080  | 4,090 | 7.58 | 8.0  | 70 | No | No | No | No | 399 |
| KA 9535ZXG | 380-420 | 50 | CBP | 3 PHASE | 100 | 32,000 | 9,380  | 4,160 | 7.69 | 8.7  | 62 | No | No | No | No | 399 |
|            | 460     | 60 | CBP | 3 PHASE | 100 | 35,000 | 10,260 | 4,710 | 7.43 | 10.0 | 70 | No | No | No | No | 399 |
| KA 9540ZXG | 380-420 | 50 | CBP | 3 PHASE | 115 | 36,800 | 10,790 | 4,880 | 7.54 | 9.9  | 62 | No | No | No | No | 399 |
|            | 460     | 60 | CBP | 3 PHASE | 115 | 40,500 | 11,870 | 5,600 | 7.23 | 10.5 | 70 | No | No | No | No | 399 |

## KA Compressor

General Dimensions (mm.)



## Allowable Positions For Shipping After Compressor Assembly

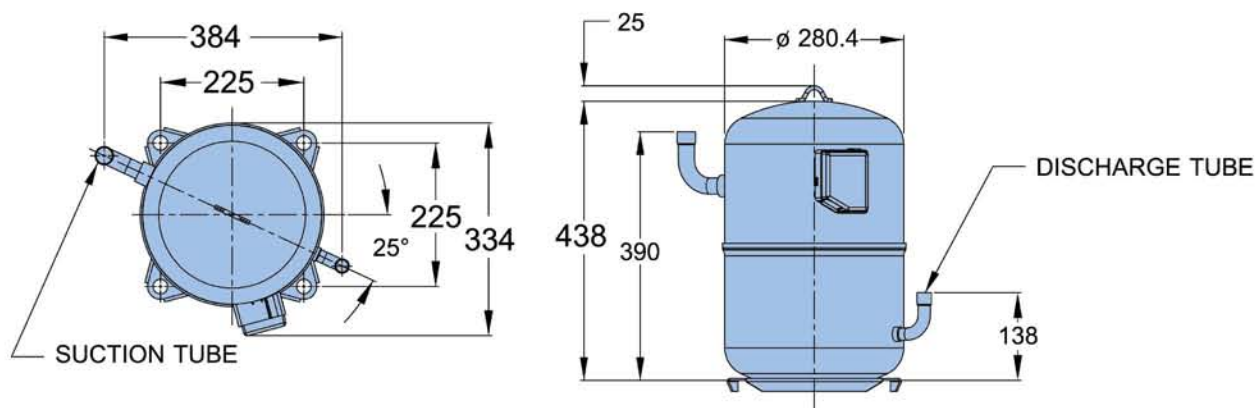


## LA Series

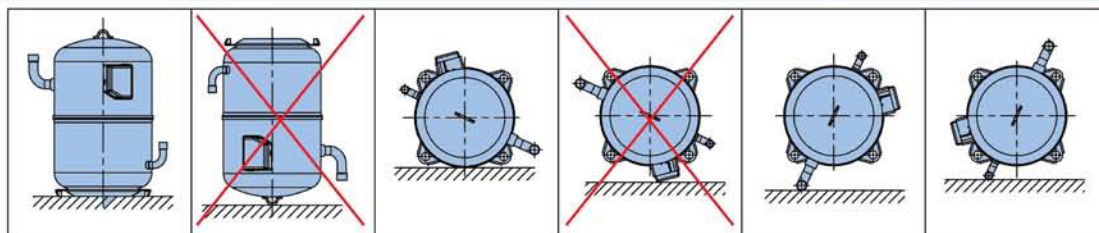
| Model                                               | Voltage | Hz. | App. | Motor Type | Disp. (CC) | Cooling (BTU/Hr) | Cooling (W) | Input (W) | EER. | RLA (A) | LRA (A) | Start CAP. |      | Run CAP. |      | Dim. "A" |
|-----------------------------------------------------|---------|-----|------|------------|------------|------------------|-------------|-----------|------|---------|---------|------------|------|----------|------|----------|
|                                                     |         |     |      |            |            |                  |             |           |      |         |         | MFD        | VAC. | MFD      | VAC. |          |
| LA SERIES                                           |         |     |      |            |            |                  |             |           |      |         |         |            |      | R 22     |      |          |
| 380-420V/50Hz, 440-460V/60 Hz. (HIGH BACK PRESSURE) |         |     |      |            |            |                  |             |           |      |         |         |            |      |          |      |          |
| LA 5590EXG                                          | 380-420 | 50  | HBP  | 3 PHASE    | 174        | 75,000           | 21,981      | 7,580     | 9.89 | 14.4    | 60      | No         | No   | No       | No   | 438      |
|                                                     | 440-460 | 60  | HBP  | 3 PHASE    | 174        | 90,000           | 26,377      | 9,090     | 9.90 | 15.5    | 60      | No         | No   | No       | No   | 438      |
| LA 5610EXG                                          | 380-420 | 50  | HBP  | 3 PHASE    | 197        | 87,000           | 25,498      | 8,790     | 9.90 | 15.8    | 80      | No         | No   | No       | No   | 438      |
|                                                     | 440-460 | 60  | HBP  | 3 PHASE    | 197        | 105,000          | 30,774      | 10,600    | 9.91 | 18.9    | 80      | No         | No   | No       | No   | 438      |
| LA 5612EXG                                          | 380-420 | 50  | HBP  | 3 PHASE    | 211        | 97,000           | 28,429      | 9,800     | 9.90 | 19.7    | 85      | No         | No   | No       | No   | 438      |
|                                                     | 440-460 | 60  | HBP  | 3 PHASE    | 211        | 120,000          | 35,170      | 12,120    | 9.90 | 21.0    | 85      | No         | No   | No       | No   | 438      |
| 380V/60Hz (HIGH BACK PRESSURE)                      |         |     |      |            |            |                  |             |           |      |         |         |            |      |          |      |          |
| LA 5590EXI                                          | 380     | 60  | HBP  | 3 PHASE    | 174        | 90,000           | 26,377      | 9,090     | 9.90 | 15.5    | 70      | No         | No   | No       | No   | 438      |
| LA 5610EXI                                          | 380     | 60  | HBP  | 3 PHASE    | 197        | 105,000          | 30,774      | 10,600    | 9.91 | 18.9    | 120     | No         | No   | No       | No   | 438      |
| LA 5612EXI                                          | 380     | 60  | HBP  | 3 PHASE    | 211        | 120,000          | 35,170      | 12,120    | 9.90 | 21.0    | 85      | No         | No   | No       | No   | 438      |
| 200-220V/50Hz, 220-230V/60 Hz. (HIGH BACK PRESSURE) |         |     |      |            |            |                  |             |           |      |         |         |            |      |          |      |          |
| LA 5590EXT                                          | 200-220 | 50  | HBP  | 3 PHASE    | 174        | 75,000           | 21,981      | 7,580     | 9.89 | 22.3    | 121     | No         | No   | No       | No   | 438      |
|                                                     | 220-230 | 60  | HBP  | 3 PHASE    | 174        | 90,000           | 26,377      | 9,090     | 9.90 | 26.7    | 121     | No         | No   | No       | No   | 438      |
| LA 5610EXT                                          | 200-220 | 50  | HBP  | 3 PHASE    | 197        | 87,000           | 25,498      | 8,790     | 9.90 | 27.0    | 208     | No         | No   | No       | No   | 438      |
|                                                     | 220-230 | 60  | HBP  | 3 PHASE    | 197        | 105,000          | 30,774      | 10,600    | 9.91 | 32.7    | 208     | No         | No   | No       | No   | 438      |
| LA 5612EXT                                          | 200-220 | 50  | HBP  | 3 PHASE    | 211        | 97,000           | 28,429      | 9,800     | 9.90 | 19.7    | 85      | No         | No   | No       | No   | 438      |
|                                                     | 220-230 | 60  | HBP  | 3 PHASE    | 211        | 120,000          | 35,170      | 12,120    | 9.90 | 21.0    | 85      | No         | No   | No       | No   | 438      |

### LA Compressor

General Dimensions (mm.)



### Allowable Positions For Shipping After Compressor Assembly

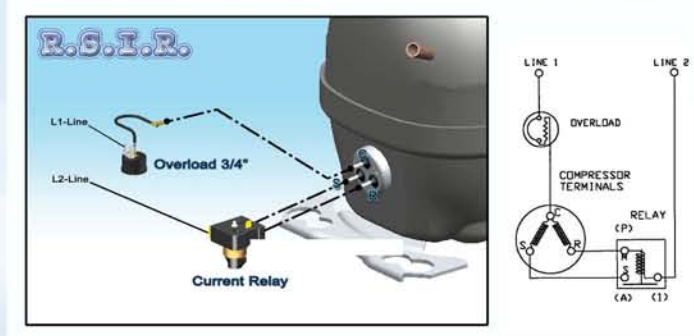


## MOTOR TYPE / WIRING DIAGRAM

### 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.



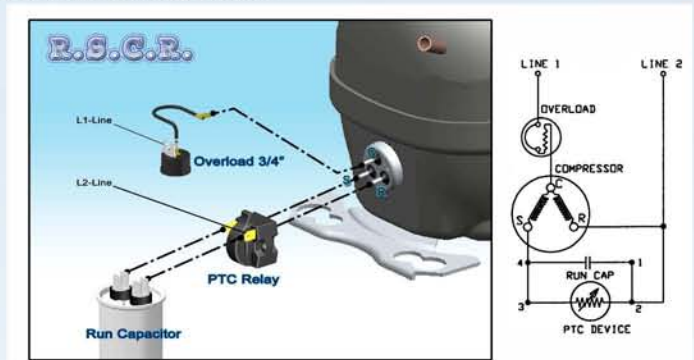
RSIR motor with PTC relay:

Motor functioning is similar to the RSIR with current relay, except that the current relay is replaced by a PTC relay.



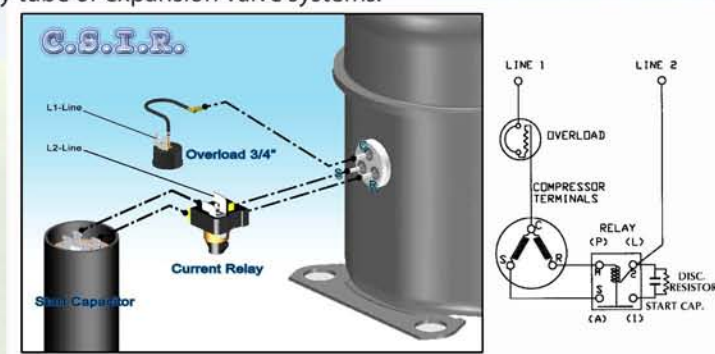
### RSCR: Resistance Start Capacitor Run

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.



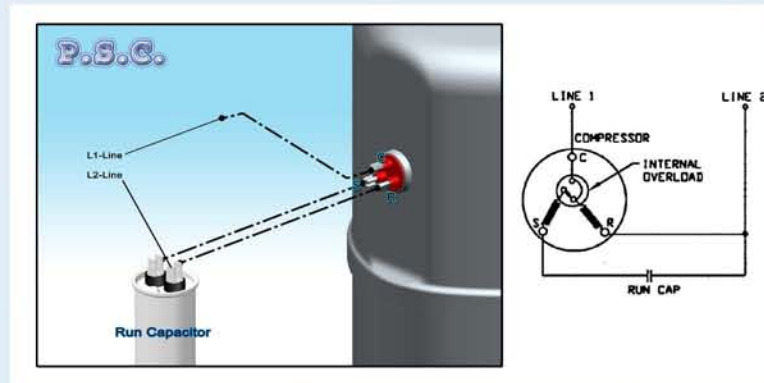
### CSIR: Capacitor Start Induction Run

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



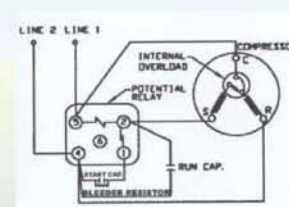
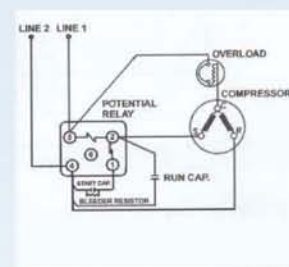
### PSC: Permanent Split Capacitor

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.

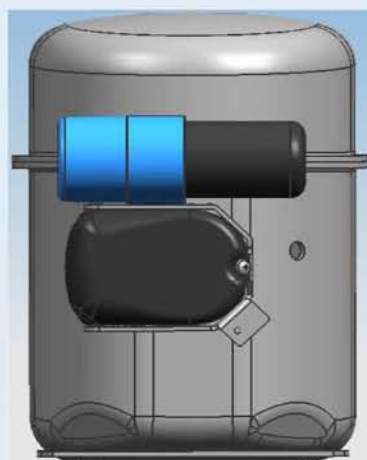
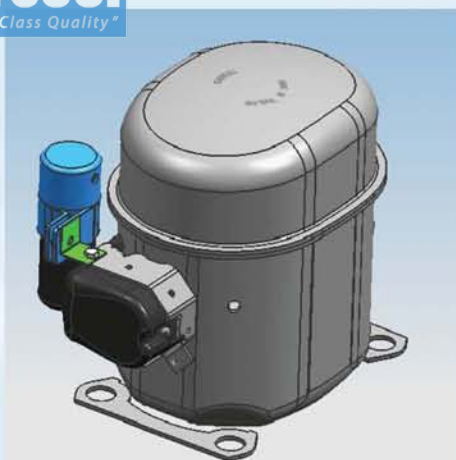


### CSR: Capacitor Start Capacitor Run

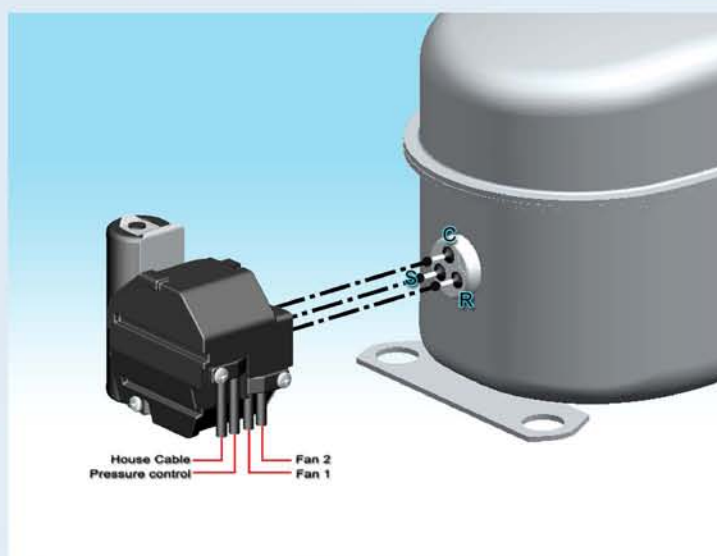
This motor arrangement uses a start capacitor added to a PSC circuit. The high starting torque is suitable for unequalized systems with capillary tube or expansion valve, maintaining the same efficiency of a PSC motor.



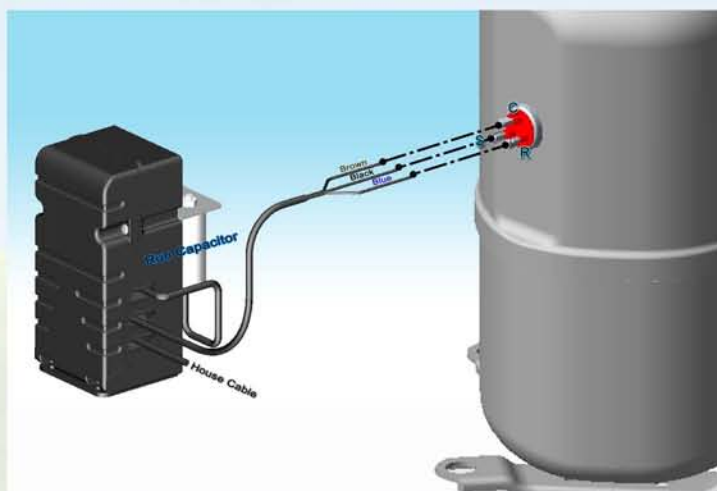
## ELECTRICAL ASSEMBLY (NORMAL TYPE) FOR AE,BA SERIES



## ELECTRICAL TERMINAL BOX FOR AE,BA SERIES



## ELECTRICAL TERMINAL BOX FOR AW / WJ SERIES

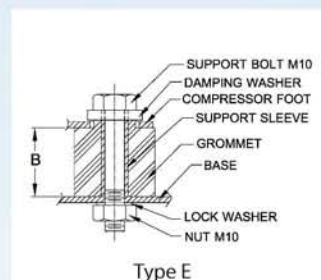
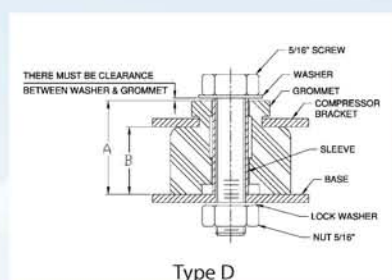
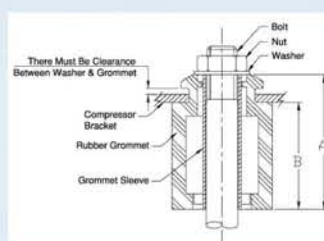
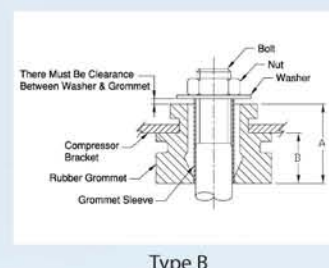
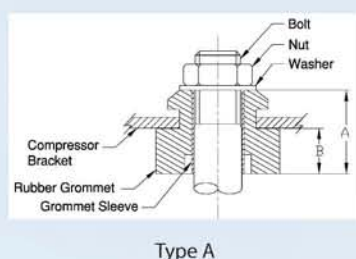


# SERIAL PLATE LABEL & COMPRESSOR MOUNTING SYSTEM

## Serial Plate Label



## Compressor Mounting System

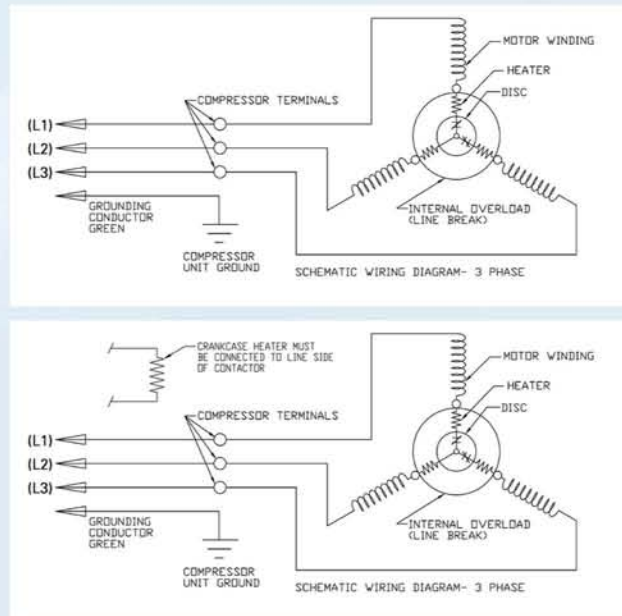


| Series  | Type | High "A" (mm.) | High "B" (mm.) |
|---------|------|----------------|----------------|
| AZ, AZA | A    | 17.5           | 9.5            |
|         | B    | 21.8           | 13.9           |
| AE, BA  | B    | 21.8           | 13.9           |
|         | C    | 37             |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

## 3 Phase 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          |
|-------------------------|---------------|--------------|--------------|
| - Evaporating Temp.     | -10°F / -23°C | 20°F / -7°C  | 45°F / 7°C   |
| - Condensing Temp.      | 130°F / 54°C  | 130°F / 54°C | 130°F / 54°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 |
| Expansion valve         |               |              |              |
| - Room Ambient          | 90°F / 32°C   | 95°F / 35°C  | 95°F / 35°C  |

### 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)

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



## CONDENSING UNITS

| Condensing Units Capacity Watts 60/60 Hz. |             |             |             |             |             |             |             |             | Dimensions (mm.) |     |     | Weight Kg. |           |
|-------------------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|------------------|-----|-----|------------|-----------|
| Saturated Suction Temperature °C          |             |             |             |             |             |             |             |             |                  |     |     |            |           |
| -20                                       | -15         | -10         | -7          | -5          | 0           | 5           | 7           | 10          | H                | D   | W   |            |           |
| CONDENSING UNITS                          |             |             |             |             |             |             |             |             |                  |     |     |            | R12       |
| 240/290                                   | 295/355     | 355/425     |             |             |             |             |             |             | 249              | 450 | 340 | 16         |           |
| 265/320                                   | 325/390     | 385/460     |             |             |             |             |             |             | 249              | 450 | 340 | 16         |           |
| 320/385                                   | 385/460     | 435/520     |             |             |             |             |             |             | 249              | 450 | 340 | 16         |           |
| 405/485                                   | 470/565     | 495/595     |             |             |             |             |             |             | 249              | 450 | 340 | 20         |           |
| 405/485                                   | 470/565     | 495/595     |             |             |             |             |             |             | 249              | 450 | 340 | 21         |           |
| 410/490                                   | 490/590     | 575/690     |             |             |             |             |             |             | 249              | 450 | 340 | 20         |           |
| 410/490                                   | 490/590     | 575/690     |             |             |             |             |             |             | 249              | 450 | 340 | 21         |           |
| 480/575                                   | 565/680     | 640/765     |             |             |             |             |             |             | 249              | 450 | 340 | 20         |           |
| 480/575                                   | 565/680     | 640/765     |             |             |             |             |             |             | 249              | 450 | 340 | 21         |           |
|                                           | 380/455     | 435/520     |             | 495/595     | 550/660     | 615/740     | 623/748     | 675/810     | 249              | 450 | 340 | 18         |           |
|                                           | 490/590     | 570/685     |             | 670/805     | 775/930     | 870/1045    | 937/1,124   | 995/1,195   | 249              | 450 | 340 | 19         |           |
| CONDENSING UNITS                          |             |             |             |             |             |             |             |             |                  |     |     |            | R22       |
|                                           | 220/265     | 260/310     |             | 310/370     | 345/415     | 475/570     | 507/608     | 530/635     | 249              | 450 | 340 | 18         |           |
|                                           | 220/265     | 260/310     |             | 310/370     | 345/415     | 475/570     | 507/608     | 530/635     | 249              | 450 | 340 | 19         |           |
|                                           | 370/445     | 440/530     |             | 495/595     | 545/655     | 615/740     | 724/869     | 780/935     | 249              | 450 | 340 | 19         |           |
|                                           | 370/445     | 440/530     |             | 495/595     | 545/655     | 615/740     | 724/869     | 780/935     | 249              | 450 | 340 | 20         |           |
|                                           | 400/480     | 530/635     |             | 650/780     | 750/900     | 860/1,030   | 903/1,084   | 985/1,180   | 249              | 450 | 340 | 19         |           |
|                                           | 400/480     | 530/635     |             | 650/780     | 750/900     | 860/1,030   | 903/1,084   | 985/1,180   | 249              | 450 | 340 | 20         |           |
|                                           | 440/530     | 560/670     |             | 670/805     | 780/935     | 910/1,090   | 930/1,116   | 1,035/1,240 | 249              | 450 | 340 | 19         |           |
|                                           | 440/530     | 560/670     |             | 670/805     | 780/935     | 910/1,090   | 930/1,116   | 1,035/1,240 | 249              | 450 | 340 | 20         |           |
|                                           | 645/775     | 745/895     |             | 940/1,130   | 1,055/1,265 | 1,255/1,505 | 1,354/1,625 | 1,430/1,715 | 304              | 450 | 340 | 20         |           |
|                                           | 645/775     | 745/895     |             | 940/1,130   | 1,055/1,265 | 1,255/1,505 | 1,354/1,625 | 1,430/1,715 | 304              | 450 | 340 | 21         |           |
|                                           | 2,455/2,945 | 3,100/3,720 |             | 3,865/4,640 | 4,515/5,420 | 5,160/6,190 | 6,140/7,368 | 7,380/8,855 |                  |     |     |            |           |
|                                           | 3,385/4,060 | 4,015/4,820 |             | 4,655/5,585 | 5,320/6,385 | 6,635/7,960 | 7,317/8,780 | 7,850/9,420 |                  |     |     |            |           |
|                                           |             |             |             |             |             |             |             |             |                  |     |     |            |           |
|                                           |             |             |             |             |             |             |             |             |                  |     |     |            |           |
|                                           |             |             |             |             |             |             |             |             |                  |     |     |            |           |
|                                           |             |             |             |             |             |             |             |             |                  |     |     |            |           |
|                                           |             |             |             |             |             |             |             |             |                  |     |     |            |           |
|                                           | 430/515     | 510/610     | 550/660     | 650/780     | 710/850     | 815/980     |             |             | 249              | 450 | 340 | 18         |           |
|                                           | 565/680     | 675/810     | 704/845     | 760/910     | 845/1,015   | 985/1,180   |             |             | 304              | 450 | 340 | 19         |           |
|                                           |             |             |             |             |             |             |             |             |                  |     |     |            |           |
|                                           | 465/560     | 650/780     | 893/1,072   | 960/1,150   | 1,045/1,255 | 1,105/1,325 |             |             | 304              | 450 | 340 | 20         |           |
|                                           | 780/935     | 930/1,115   | 1,011/1,213 | 1,020/1,225 | 1,150/1,380 | 1,365/1,640 |             |             | 304              | 450 | 340 | 20         |           |
|                                           |             |             |             |             |             |             |             |             |                  |     |     |            |           |
| 520/625                                   | 940/1,130   | 1,290/1,550 | 1,495/1,794 | 1,535/1,840 | 2,150/2,580 | 2,680/3,215 |             | 3,300/3,960 | 370              | 550 | 480 | 39         |           |
| 725/870                                   | 1,180/1,415 | 1,530/1,835 | 1,728/2,074 | 1,825/2,190 | 2,390/2,870 | 2,920/3,505 |             | 3,540/4,250 | 420              | 600 | 510 | 42         |           |
| 815/980                                   | 1,240/1,490 | 1,790/2,150 | 1,970/2,364 | 2,010/2,410 |             | 3,180/3,815 |             | 3,800/4,560 | 420              | 600 | 510 | 42         |           |
| 1,130/1,355                               | 1,440/1,730 | 1,820/2,150 | 2,159/2,591 | 2,150/2,580 |             | 3,060/3,670 |             | 4,710/5,005 | 420              | 600 | 510 | 43         |           |
| 1,325/1,590                               | 1,650/1,980 | 2,130/2,555 | 2,461/2,953 | 2,680/3,215 |             | 4,000/4,800 |             | 4,770/5,725 | 470              | 600 | 510 | 46         |           |
| CONDENSING UNITS                          |             |             |             |             |             |             |             |             |                  |     |     |            | R22/R407C |
|                                           | 892/1,070   | 1,234/1,480 | 1,490/1,788 | 1,619/1,942 | 2,072/2,486 | 2,616/3,139 |             |             |                  |     |     |            |           |
|                                           | 1,080/1,296 | 1,422/1,706 | 1,700/2,040 | 1,810/2,172 | 2,255/2,706 | 2,768/3,321 |             |             |                  |     |     |            |           |
|                                           | 1,408/1,689 | 1,841/2,209 | 2,140/2,568 | 2,360/2,832 | 2,957/3,548 | 3,629/4,354 |             |             |                  |     |     |            |           |
| CONDENSING UNITS                          |             |             |             |             |             |             |             |             |                  |     |     |            | R134a     |
| 290/350                                   | 360/430     | 436/525     |             |             |             |             |             |             | 249              | 450 | 340 | 17         |           |
| 305/365                                   | 410/490     | 495/595     |             |             |             |             |             |             | 249              | 450 | 340 | 18         |           |
|                                           |             |             |             |             |             |             |             |             |                  |     |     |            |           |
| 385/460                                   | 475/570     | 545/655     |             |             |             |             |             |             | 249              | 450 | 340 | 20         |           |
|                                           |             |             |             |             |             |             |             |             |                  |     |     |            |           |
| 385/460                                   | 475/570     | 545/655     |             |             |             |             |             |             | 249              | 450 | 340 | 19         |           |
| 355/425                                   | 455/545     | 520/625     |             |             |             |             |             |             | 249              | 450 | 340 | 21         |           |
| 415/500                                   | 530/635     | 645/775     |             |             |             |             |             |             | 249              | 450 | 340 | 20         |           |
| 415/500                                   | 530/635     | 645/775     |             |             |             |             |             |             | 249              | 450 | 340 | 21         |           |
|                                           | 360/430     | 430/515     |             | 540/650     | 690/830     | 830/995     | 890/1,068   | 920/1,105   | 249              | 450 | 340 | 18         |           |
|                                           |             |             |             |             |             |             |             |             |                  |     |     |            |           |
|                                           | 493/591     | 637/764     | 745/894     | 807/968     | 1,014/1,216 | 1,270/1,524 |             |             |                  |     |     |            |           |
|                                           |             |             |             |             |             |             |             |             |                  |     |     |            |           |
|                                           | 1,198/1,437 | 1,719/2,062 | 2,150/2,580 | 2,331/2,797 | 3,042/3,650 | 3,836/4,635 |             |             |                  |     |     |            |           |
|                                           |             |             |             |             |             |             |             |             |                  |     |     |            |           |
|                                           | 1,049/1,258 | 1,361/1,633 | 1,580/1,896 | 1,694/2,032 | 2,047/2,456 | 2,420/2,904 |             |             |                  |     |     |            |           |
| 470/565                                   | 550/660     | 660/790     |             |             |             |             |             |             |                  |     |     |            |           |
|                                           | 435/520     | 555/665     | 775/930     | 780/935     | 830/995     | 920/1,105   |             |             | 304              | 450 | 340 | 22         |           |
|                                           | 180/215     | 225/270     | 278/334     | 285/340     | 315/378     | 375/450     |             | 430/516     | 249              | 450 | 340 | 16         |           |
| CONDENSING UNITS                          |             |             |             |             |             |             |             |             |                  |     |     |            | R404A     |
| 950/1,140                                 | 1,265/1,520 |             |             |             |             |             |             |             | 370              | 550 | 480 | 37         |           |
| 1,065/1,280                               | 1,340/1,610 |             |             |             |             |             |             |             | 370              | 550 | 480 | 37         |           |
| 1,180/1,415                               | 1,410/1,690 |             |             |             |             |             |             |             | 370              | 550 | 480 | 38         |           |
| 1,350/1,620                               | 1,580/1,895 |             |             |             |             |             |             |             | 370              | 550 | 480 | 40         |           |
| 1,720/2,065                               | 2,230/2,675 |             |             |             |             |             |             |             | 370              | 550 | 480 | 40         |           |
| 1,655/1,985                               | 1,955/2,345 |             |             |             |             |             |             |             | 363              | 605 | 455 | 49         |           |
| 1,780/2,135                               | 1,950/2,340 |             |             |             |             |             |             |             | 415              | 655 | 520 | 57         |           |
| 2,735/3,280                               | 3,415/4,100 |             |             |             |             |             |             |             | 510              | 640 | 855 | 76         |           |
| 1,898/2,277                               | 2,638/3,165 |             |             |             |             |             |             |             |                  |     |     |            |           |
| 1,942/2,330                               | 2,518/3,021 |             |             |             |             |             |             |             |                  |     |     |            |           |
|                                           |             |             |             |             |             |             |             |             |                  |     |     |            |           |
|                                           |             |             |             |             |             |             |             |             |                  |     |     |            |           |
|                                           |             |             |             |             |             |             |             |             |                  |     |     |            |           |
| 1,066/1,279                               | 1426/1,711  |             |             |             |             |             |             |             |                  |     |     |            |           |
| 1,376/1,651                               | 1,800/2,160 |             |             |             |             |             |             |             |                  |     |     |            |           |
|                                           |             |             |             |             |             |             |             |             |                  |     |     |            |           |