

# Comfortmaker®

Air Conditioning & Heating

## YJ "GB" Series

10+ SEER 7+ HSPF  
HEAT PUMP SYSTEM  
1½ thru 5 Ton  
SPECIFICATIONS

### REFRIGERATION CIRCUIT FEATURES

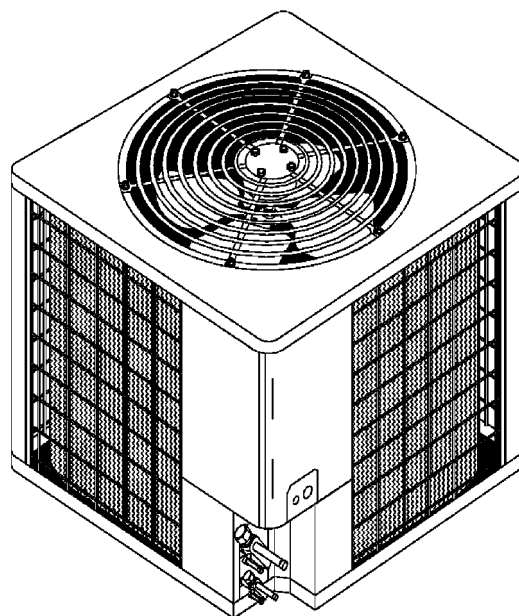
- Scroll compressor on all models
- Suction line accumulator on all models
- Integrated solid state time / temperature defrost and compressor anticycle timer
- Soft defrost change over
- Low pressure cut out switch
- Large biflow filter driers

### BUILT TO LAST

- Galvanized steel cabinet with integral base rails
- Triple step painting process
- Copper tube / aluminum fin coil
- Precoated condenser fins
- Coated inlet grilles

### EASY TO INSTALL AND SERVICE

- External sweat / valve refrigerant connections
- Fan motor in-line disconnect plug
- Factory charged with R-22
- Low voltage junction box
- External high and low refrigerant service ports
- Top discharge design for quieter operation



81-30-31d



Rated in accordance with ARI Standard 240. Certification applies only when used with proper components as listed with ARI.

| UNIT SPECIFICATIONS |                                              |                    |           |            |            |            |            |            |
|---------------------|----------------------------------------------|--------------------|-----------|------------|------------|------------|------------|------------|
| Model Number        |                                              | YJ018GB            | YJ024GB   | YJ030GB    | YJ036GB    | YJ042GB    | YJ048GB    | YJ060GB    |
| Electrical<br>Data  | Voltage-Phase-Hz                             | 208 / 230 - 1 - 60 |           |            |            |            |            |            |
|                     | Voltage Range (Min - Max)                    | 197 - 253          |           |            |            |            |            |            |
|                     | Minimum Circuit Ampacity                     | 12.7               | 16.3      | 18.9       | 21.3       | 24.5       | 28.6       | 35.2       |
|                     | Wire SizeMax. Length (AWG Cu) (Ft.) USA Only | #14/50             | #14/36    | #14/27'    | #12/32'    | #12 / 26'  | #10 / 40'  | #8 / 49'   |
|                     | Time Delay Fuse (Amps)                       | 15                 | 20        | 25         | 30         | 30         | 35         | 45         |
|                     | Max. Fuse or HACR Type Breaker Size (Amps)   | 20                 | 25        | 30         | 35         | 40         | 50         | 60         |
| Compressor<br>Data  | Voltage-Phase-Hz                             | 208 / 230 - 1 - 60 |           |            |            |            |            |            |
|                     | Full Running / Lock Rotor Amps               | 9 / 42             | 11.9 / 59 | 14.1 / 73  | 16.0 / 100 | 18.6 / 127 | 21.8 / 131 | 27.1 / 172 |
|                     | Crankcase Heater (Type)                      | NONE               |           |            |            |            |            |            |
|                     | Start Device                                 | NONE               |           |            |            |            |            |            |
|                     | Compressor Type                              | SCROLL             |           |            |            |            |            |            |
| Fan Data            | Voltage-Phase-Hz                             | 208 / 230 - 1 - 60 |           |            |            |            |            |            |
|                     | Horsepower / Type                            | 1/8 PSC            | 1/8 PSC   | 1/3 / PSC  | 1/3 / PSC  | 1/3 / PSC  | 1/4 / PSC  | 1/4 / PSC  |
|                     | Full Load I Lock Rotor Amps.                 | .6 / 1.5           | .6 / 1.5  | 1.3 / 3.56 | 1.3 / 3.56 | 1.3 / 3.56 | 1.4 / 3.24 | 1.4 / 3.24 |
|                     | Speeds / CFM (Max)                           | 1 / 2200           | 1 / 2200  | 1 / 3200   | 1 / 3200   | 1 / 3200   | 1 / 3900   | 1 / 3900   |
| Outdoor             | Total Face Area Sq. Ft. (m <sup>2</sup> )    | 10.7               | 12.5      | 14.2       | 17.8       | 20.8       | 25.3       | 20.1       |
| Coil Data           | Fins Per Inch / Rows                         | 18 / 1             | 18 / 1    | 18 / 1     | 18 / 1     | 22 / 1     | 18 / 1     | 18 / 2     |
|                     | Tube Diameter (OD) (In.)                     | 3/8                |           |            |            |            |            |            |
|                     | Control Device                               | ORIFICE            |           |            |            |            |            |            |
|                     | Accumulator                                  | YES                |           |            |            |            |            |            |
| Refrigerant         | Suction Size (OD) (In.)                      | 3/4                |           |            |            | 7/8        |            |            |
| Connection          | Liquid Size (OD) (In.)                       | 5/16               |           |            |            | 3/8        |            |            |
| Charge              | Factory Charge R-22 (Oz)                     | 85                 | 104       | 132        | 124        | 166        | 181        | 210        |
| Weights             | Shipping Lbs. / (kg)                         | 123/271            | 133/293   | 176/388    | 191/421    | 204/450    | 234/515    | 272/600    |

| MODEL NUMBER IDENTIFICATION GUIDE |                                       |   |                    |   |   |
|-----------------------------------|---------------------------------------|---|--------------------|---|---|
| MODEL NUMBER                      | Y                                     | J | 024                | G | B |
| PRODUCT TYPE                      | Y = Heat Pump<br>A = Air Conditioning |   | REVISION LEVEL     |   |   |
| SERIES                            |                                       |   | ELECTRICAL         |   |   |
| J = 10 SEER                       |                                       |   | 208 / 230 - 1 - 60 |   |   |
| K = 11 SEER                       |                                       |   | CAPACITY MBTUH     |   |   |
| G = 12 SEER                       |                                       |   | 0 24 = 24,000      |   |   |
| H = 14 SEER                       |                                       |   |                    |   |   |

# PERFORMANCE DATA COOLING

| Outdoor Model | Indoor Model                    | COOLING 95° F |       |     |      |       | 47° F |      |      | 17° F |      | CFM  | Pin   | dBels |
|---------------|---------------------------------|---------------|-------|-----|------|-------|-------|------|------|-------|------|------|-------|-------|
|               |                                 | MBh           | SEER  | S/T | EER  | WATTS | MBh   | COP  | HSPF | MBh   | COP  |      |       |       |
| YJ018GB       | EP*18B15A                       | 16.5          | 10.05 | .77 | 9.4  | 1755  | 17.2  | 3.08 | 7.10 | 9.7   | 1.92 | 650  | .048# | 72    |
|               | EP*24B15A                       | 17.0          | 10.20 | .77 | 9.5  | 1789  | 17.2  | 3.32 | 7.20 | 9.7   | 1.98 | 650  | .048# |       |
|               | EP*24B15A + TD1                 | 17.0          | 10.50 | .77 | 9.5  | 1789  | 17.2  | 3.32 | 7.20 | 9.7   | 1.98 | 650  | .048# |       |
|               | EP*24B15A + TXV                 | 17.0          | 11.05 | .77 | 9.5  | 1789  | 17.2  | 3.32 | 7.20 | 9.7   | 1.98 | 650  | TXV   |       |
|               | H24PSA                          | 17.9          | 10.30 | .77 | 9.9  | 1808  | 16.2  | 3.12 | 7.20 | 9.7   | 2.08 | 600  | .048# |       |
|               | H24PSA + TD1                    | 17.9          | 10.50 | .77 | 9.9  | 1808  | 16.2  | 3.12 | 7.20 | 9.7   | 2.08 | 600  | .048# |       |
|               | H24PSA + TXV                    | 18.0          | 11.00 | .77 | 10.0 | 1800  | 16.2  | 3.12 | 7.20 | 9.7   | 2.08 | 600  | TXV   |       |
|               | EX*24(B15,F19)A                 | 18.0          | 11.20 | .74 | 9.7  | 1855  | 17.2  | 3.20 | 7.20 | 9.7   | 2.02 | 600  | TXV   |       |
|               | EXD/M24F19A + EV12F19           | 18.2          | 12.20 | .74 | 10.7 | 1701  | 17.0  | 3.30 | 8.00 | 9.6   | 2.12 | 600  | TXV   |       |
|               | FCP2400A                        | 17.0          | 10.05 | .77 | 9.4  | 1808  | 17.2  | 3.16 | 7.00 | 9.6   | 1.98 | 600  | .048# |       |
|               | FCP2400A + TXV                  | 17.0          | 10.10 | .77 | 9.4  | 1808  | 17.2  | 3.16 | 7.00 | 9.6   | 1.98 | 600  | TXV   |       |
|               | FCX2400A                        | 17.2          | 11.20 | .74 | 9.8  | 1755  | 17.0  | 3.16 | 7.20 | 9.7   | 2.02 | 600  | TXV   |       |
| YJ024GB       | EX*24(B15,F19)A                 | 24.0          | 11.05 | .76 | 9.6  | 2500  | 24.8  | 3.40 | 7.40 | 14.5  | 2.22 | 800  | TXV   | 74    |
|               | EXD/M24F19A + EV12F19           | 24.2          | 12.05 | .76 | 10.6 | 2500  | 24.8  | 3.40 | 7.40 | 14.5  | 2.22 | 800  | TXV   |       |
|               | EP*30(B15,F19)A                 | 23.6          | 10.10 | .72 | 9.4  | 2510  | 24.8  | 3.28 | 7.40 | 14.7  | 2.16 | 800  | .056# |       |
|               | EP*30(B15,F19)A + TD1           | 23.6          | 10.40 | .72 | 9.4  | 2510  | 24.8  | 3.28 | 7.40 | 14.7  | 2.16 | 800  | .056# |       |
|               | EP*30(B15,F19)A + TXV           | 23.2          | 10.80 | .72 | 9.4  | 2468  | 24.8  | 3.28 | 7.40 | 14.7  | 2.16 | 800  | TXV   |       |
|               | EPD/M30F19A + EV12F19 + TXV     | 23.4          | 11.80 | .72 | 10.4 | 2250  | 24.6  | 3.38 | 8.20 | 14.6  | 2.26 | 800  | TXV   |       |
|               | H24PSA                          | 23.8          | 10.05 | .76 | 9.9  | 2559  | 24.0  | 3.46 | 7.25 | 14.5  | 2.24 | 800  | .056  |       |
|               | H24PSA + TD1                    | 23.8          | 10.35 | .76 | 9.9  | 2559  | 24.0  | 3.46 | 7.25 | 14.5  | 2.24 | 800  | .056  |       |
|               | H24PSA + TXV                    | 24.0          | 11.05 | .76 | 10.0 | 2500  | 24.0  | 3.46 | 7.25 | 14.5  | 2.24 | 800  | TXV   |       |
|               | FCP2400A                        | 22.6          | 10.10 | .76 | 9.1  | 2483  | 24.0  | 3.34 | 7.40 | 14.7  | 2.20 | 800  | .056# |       |
|               | FCP2400A + TXV                  | 22.6          | 10.50 | .76 | 9.1  | 2483  | 24.0  | 3.34 | 7.40 | 14.7  | 2.20 | 800  | TXV   |       |
|               | FCP3000A                        | 23.2          | 10.10 | .72 | 9.2  | 2522  | 24.8  | 3.28 | 7.40 | 14.6  | 2.16 | 800  | .056# |       |
|               | FCP3000A + TXV                  | 23.2          | 10.10 | .72 | 9.2  | 2522  | 24.8  | 3.28 | 7.40 | 14.6  | 2.16 | 800  | TXV   |       |
|               | FCX2400A                        | 23.8          | 11.05 | .74 | 9.5  | 2505  | 24.8  | 3.42 | 7.40 | 14.7  | 2.22 | 800  | TXV   |       |
| YJ030GB       | EP*36(B15,F19,J22)A             | 28.6          | 10.50 | .76 | 9.6  | 2979  | 30.0  | 3.28 | 7.00 | 17.1  | 2.16 | 1000 | .063  | 76    |
|               | EP*36(B15,F19,J22)A + TXV + TD1 | 27.4          | 11.00 | .76 | 9.6  | 2979  | 30.0  | 3.28 | 7.00 | 17.1  | 2.16 | 1000 | TXV   |       |
|               | EPD/M36F19A + EV12F19 + TXV     | 27.6          | 12.00 | .76 | 10.6 | 2604  | 29.8  | 3.38 | 8.00 | 17.0  | 2.26 | 1000 | TXV   |       |
|               | EPD/M36J22A + EV16J22 + TXV     | 27.6          | 12.00 | .76 | 10.6 | 2604  | 29.8  | 3.38 | 8.00 | 17.0  | 2.26 | 1000 | TXV   |       |
|               | EX*36(F19,J22)A                 | 28.8          | 11.05 | .76 | 9.9  | 2909  | 27.6  | 3.24 | 7.25 | 17.5  | 2.26 | 1000 | TXV   |       |
|               | EXD/M36F19A + EV12F19           | 29.0          | 12.05 | .76 | 10.9 | 2661  | 27.4  | 3.34 | 8.05 | 17.4  | 2.36 | 1000 | TXV   |       |
|               | EXD/M36J22A + EV16J22           | 29.0          | 12.05 | .76 | 10.9 | 2661  | 27.4  | 3.34 | 8.05 | 17.4  | 2.36 | 1000 | TXV   |       |
|               | H36PSA                          | 28.4          | 10.05 | .76 | 9.7  | 2927  | 27.2  | 3.26 | 7.20 | 17.2  | 2.24 | 1000 | .063# |       |
|               | H36PSA + TD1                    | 28.4          | 10.35 | .76 | 9.7  | 2927  | 27.2  | 3.26 | 7.20 | 17.2  | 2.24 | 1000 | .063# |       |
|               | H36PSA + TXV                    | 28.8          | 11.05 | .76 | 9.7  | 2909  | 27.2  | 3.26 | 7.20 | 17.2  | 2.24 | 1000 | TXV   |       |
|               | FCP3000A                        | 26.0          | 10.10 | .76 | 9.1  | 2857  | 27.6  | 3.22 | 7.20 | 17.5  | 2.22 | 1000 | .063# |       |
|               | FCP3000A + TXV                  | 26.0          | 10.40 | .76 | 9.1  | 2857  | 27.6  | 3.22 | 7.20 | 17.5  | 2.22 | 1000 | TXV   |       |
|               | FCP3600A                        | 27.2          | 10.80 | .76 | 9.5  | 2863  | 29.2  | 3.28 | 7.00 | 17.1  | 2.16 | 1000 | .063# |       |
|               | FCP3600A + TXV                  | 27.2          | 10.50 | .76 | 9.5  | 2863  | 29.2  | 3.28 | 7.00 | 17.1  | 2.16 | 1000 | TXV   |       |
|               | FCX3600A                        | 28.8          | 11.05 | .76 | 9.8  | 2938  | 27.6  | 3.22 | 7.20 | 17.5  | 2.22 | 1000 | TXV   |       |
| YJ036GB       | EP*42(F19,J22)A                 | 34.8          | 10.35 | .71 | 9.3  | 3741  | 35.8  | 3.34 | 7.40 | 21.8  | 2.22 | 1200 | .070# | 76    |
|               | EP*42(F19,J22)A + TD1           | 34.8          | 10.50 | .71 | 9.3  | 3741  | 35.8  | 3.34 | 7.40 | 21.8  | 2.22 | 1200 | .070# |       |
|               | EP*42(F19,J22)A + TD1 + TXV     | 34.8          | 11.05 | .71 | 9.3  | 3741  | 35.8  | 3.34 | 7.40 | 21.8  | 2.22 | 1200 | TXV   |       |
|               | EPD/M42F19A + EV12F19 + TXV     | 35.0          | 12.05 | .71 | 10.3 | 3398  | 35.6  | 3.44 | 8.20 | 21.6  | 2.32 | 1200 | TXV   |       |
|               | EPD/M42J22A + EV16J22 + TXV     | 35.0          | 12.05 | .71 | 10.3 | 3398  | 35.6  | 3.44 | 8.20 | 21.6  | 2.32 | 1200 | TXV   |       |
|               | EX*36(F19,J22)A                 | 35.2          | 11.05 | .72 | 9.4  | 3744  | 35.8  | 3.34 | 7.40 | 21.8  | 2.22 | 1200 | TXV   |       |
|               | EXD/M36F19A + EV12F19           | 35.4          | 12.05 | .72 | 10.4 | 3404  | 35.6  | 3.44 | 8.20 | 21.6  | 2.32 | 1200 | TXV   |       |
|               | EXD/M36J22A + EV16J22           | 35.4          | 12.05 | .72 | 10.4 | 3404  | 35.6  | 3.44 | 8.20 | 21.6  | 2.32 | 1200 | TXV   |       |
|               | H36PSA                          | 35.6          | 10.30 | .75 | 9.6  | 3708  | 35.6  | 3.34 | 7.40 | 21.6  | 2.24 | 1200 | .070# |       |
|               | H36PSA + TD1                    | 35.6          | 10.50 | .75 | 9.6  | 3708  | 35.6  | 3.34 | 7.40 | 21.6  | 2.24 | 1200 | .070# |       |
|               | H36PSA + TXV                    | 35.6          | 11.05 | .75 | 9.6  | 3708  | 35.6  | 3.34 | 7.40 | 21.6  | 2.24 | 1200 | TXV   |       |
|               | FCP3600A                        | 33.4          | 10.05 | .72 | 9.1  | 3670  | 35.8  | 3.34 | 7.40 | 21.8  | 2.22 | 1200 | .070# |       |
|               | FCP3600A + TXV                  | 33.4          | 10.35 | .72 | 9.1  | 3670  | 35.8  | 3.34 | 7.40 | 21.8  | 2.22 | 1200 | TXV   |       |
|               | FCP4200A                        | 34.8          | 10.20 | .71 | 9.3  | 3742  | 35.8  | 3.34 | 7.40 | 21.8  | 2.22 | 1200 | .070# |       |
|               | FCP4200A + TXV                  | 34.8          | 10.60 | .71 | 9.3  | 3742  | 35.8  | 3.34 | 7.40 | 21.8  | 2.22 | 1200 | TXV   |       |
|               | FCX3600A                        | 35.4          | 11.05 | .75 | 9.4  | 3766  | 35.8  | 3.34 | 7.40 | 21.8  | 2.22 | 1200 | TXV   |       |

# PERFORMANCE DATA COOLING

| Outdoor Model | Indoor Model                    | COOLING 95° F |       |     |      |       | 47° F |      |      | 17° F |      | CFM  | Pin   | dBels |
|---------------|---------------------------------|---------------|-------|-----|------|-------|-------|------|------|-------|------|------|-------|-------|
|               |                                 | MBh           | SEER  | S/T | EER  | WATTS | MBh   | COP  | HSPF | MBh   | COP  |      |       |       |
| YJ042GB       | EP*42(F19,J22)A                 | 40.0          | 10.00 | .73 | 9.3  | 4301  | 40.0  | 3.22 | 7.05 | 23.6  | 2.06 | 1400 | .073# | 76    |
|               | EP*42(F19,J22)A + TXV           | 40.0          | 10.50 | .73 | 9.3  | 4301  | 40.0  | 3.22 | 7.05 | 23.6  | 2.06 | 1400 | TXV   |       |
|               | EP*48(F19,J22,N26)A + TD1 + TXV | 40.0          | 11.05 | .73 | 9.4  | 4308  | 40.0  | 3.22 | 7.20 | 23.6  | 2.06 | 1400 | TXV   |       |
|               | EPD/M48F19A + EV12F19 + TXV     | 40.5          | 12.05 | .73 | 10.4 | 3894  | 39.5  | 3.32 | 8.00 | 23.4  | 2.16 | 1400 | TXV   |       |
|               | EPD/M48J22A + EV16J22 + TXV     | 40.5          | 12.05 | .73 | 10.4 | 3894  | 39.5  | 3.32 | 8.00 | 23.4  | 2.16 | 1400 | TXV   |       |
|               | EPD/M48N26A + EV20N26 + TXV     | 40.5          | 12.05 | .73 | 10.4 | 3894  | 39.5  | 3.32 | 8.00 | 23.4  | 2.16 | 1400 | TXV   |       |
|               | EX*42J22A                       | 41.0          | 11.05 | .73 | 9.6  | 4322  | 40.0  | 3.26 | 7.20 | 23.6  | 2.12 | 1300 | TXV   |       |
|               | EXD/M42J22A + EV16J22           | 41.5          | 12.05 | .73 | 10.6 | 3915  | 39.5  | 3.36 | 8.00 | 23.4  | 2.22 | 1300 | TXV   |       |
|               | H48PSA                          | 41.5          | 10.20 | .71 | 9.6  | 4322  | 37.2  | 3.14 | 7.00 | 22.6  | 2.00 | 1400 | .073# |       |
|               | H48PSA + TD1                    | 41.5          | 10.50 | .71 | 9.6  | 4322  | 37.2  | 3.14 | 7.00 | 22.6  | 2.00 | 1400 | .073# |       |
|               | H48PSA + TXV                    | 41.5          | 11.05 | .75 | 9.6  | 4234  | 37.2  | 3.14 | 7.00 | 22.6  | 2.00 | 1400 | TXV   |       |
|               | FCP4200A                        | 40.0          | 10.00 | .73 | 9.1  | 4395  | 40.0  | 3.12 | 7.05 | 23.6  | 2.06 | 1400 | .073# |       |
|               | FCP4200A + TXV                  | 40.0          | 10.50 | .73 | 9.1  | 4395  | 40.0  | 3.12 | 7.05 | 23.6  | 2.06 | 1400 | TXV   |       |
|               | FCP4800A                        | 41.0          | 10.05 | .73 | 9.2  | 4456  | 40.0  | 3.08 | 7.20 | 23.6  | 2.06 | 1400 | .073# |       |
|               | FCP4800A + TXV                  | 41.0          | 10.50 | .73 | 9.2  | 4456  | 40.0  | 3.08 | 7.20 | 23.6  | 2.06 | 1400 | TXV   |       |
|               | FCX4800A                        | 40.5          | 11.05 | .75 | 9.4  | 4308  | 40.0  | 3.22 | 7.05 | 23.6  | 2.06 | 1400 | TXV   |       |
| YJ048GB       | EP*48(J22,N26)A                 | 46.0          | 10.20 | .76 | 9.7  | 4742  | 47.5  | 3.40 | 7.40 | 29.6  | 2.32 | 1600 | .082# | 78    |
|               | EP*48(J22,N26)A + TD1           | 46.0          | 10.50 | .76 | 9.7  | 4742  | 47.5  | 3.40 | 7.40 | 29.6  | 2.32 | 1600 | .082# |       |
|               | EP*48(J22,N26)A + TXV           | 46.0          | 10.90 | .76 | 9.7  | 4742  | 47.5  | 3.40 | 7.40 | 29.6  | 2.32 | 1600 | TXV   |       |
|               | EP*60(J22)A                     | 45.5          | 10.50 | .77 | 9.8  | 4642  | 48.0  | 3.40 | 7.50 | 29.2  | 2.32 | 1600 | .082# |       |
|               | EP*60(J22)A + TXV               | 45.5          | 11.05 | .77 | 9.8  | 4642  | 48.0  | 3.40 | 7.50 | 29.2  | 2.32 | 1600 | TXV   |       |
|               | EX*48N26A                       | 48.0          | 11.10 | .77 | 10.0 | 4800  | 48.0  | 3.40 | 7.50 | 29.4  | 2.32 | 1600 | TXV   |       |
|               | EXD/M48N26A + EV20N26           | 48.5          | 12.10 | .77 | 11.0 | 4409  | 47.5  | 3.50 | 8.30 | 29.2  | 2.42 | 1600 | TXV   |       |
|               | H48PSA                          | 47.0          | 10.30 | .72 | 9.9  | 4747  | 47.0  | 3.38 | 7.50 | 29.0  | 2.30 | 1600 | .082# |       |
|               | H48PSA + TD1                    | 47.0          | 10.50 | .72 | 9.9  | 4747  | 47.0  | 3.38 | 7.50 | 29.0  | 2.30 | 1600 | .082# |       |
|               | H48PSA + TXV                    | 48.0          | 11.10 | .72 | 10.2 | 4705  | 47.0  | 3.38 | 7.50 | 29.0  | 2.30 | 1600 | TXV   |       |
|               | FCP4800A                        | 45.5          | 10.10 | .76 | 9.5  | 4789  | 48.0  | 3.38 | 7.50 | 29.2  | 2.30 | 1600 | .082# |       |
|               | FCP4800A + TXV                  | 45.5          | 10.50 | .76 | 9.5  | 4789  | 48.0  | 3.38 | 7.50 | 29.2  | 2.30 | 1600 | TXV   |       |
|               | FCX4800A                        | 47.0          | 11.05 | .77 | 9.7  | 4845  | 48.0  | 3.40 | 7.50 | 30.0  | 2.32 | 1600 | TXV   |       |
| YJ060GB       | EP*60J22A                       | 53.5          | 10.05 | .70 | 9.3  | 5752  | 60.0  | 3.40 | 7.40 | 36.6  | 2.30 | 1600 | .093# | 78    |
|               | EP*60J22A + TXV                 | 53.5          | 10.30 | .70 | 9.3  | 5752  | 60.0  | 3.40 | 7.40 | 36.6  | 2.30 | 1600 | TXV   |       |
|               | EP*60J22A + TD1                 | 53.5          | 10.20 | .70 | 9.3  | 5752  | 60.0  | 3.40 | 7.40 | 36.6  | 2.30 | 1600 | .093# |       |
|               | EP*60J22A + TXV + TD1           | 53.5          | 10.40 | .70 | 9.3  | 5752  | 60.0  | 3.40 | 7.40 | 36.6  | 2.30 | 1600 | TXV   |       |
|               | EP*60N26A                       | 55.0          | 10.05 | .70 | 9.3  | 5913  | 60.0  | 3.30 | 7.40 | 37.0  | 2.30 | 1800 | .093# |       |
|               | EP*60N26A + TXV                 | 55.0          | 10.30 | .70 | 9.3  | 5913  | 60.0  | 3.30 | 7.40 | 37.0  | 2.30 | 1800 | TXV   |       |
|               | EP*60N26A + TD1                 | 55.0          | 10.20 | .70 | 9.3  | 5913  | 60.0  | 3.30 | 7.40 | 37.0  | 2.30 | 1800 | .093  |       |
|               | EP*60N26 + TXV + TD1            | 55.0          | 10.40 | .70 | 9.3  | 5913  | 60.0  | 3.30 | 7.40 | 37.0  | 2.30 | 1800 | TXV   |       |
|               | H60PSA                          | 58.0          | 10.10 | .70 | 9.6  | 6041  | 58.5  | 3.42 | 7.50 | 34.6  | 2.32 | 1800 | .093# |       |
|               | H60PSA + TD1                    | 58.0          | 10.10 | .70 | 9.6  | 6041  | 58.5  | 3.42 | 7.50 | 34.6  | 2.32 | 1800 | .093# |       |
|               | H60PSA + TXV                    | 58.0          | 11.10 | .70 | 9.8  | 5918  | 58.5  | 3.42 | 7.50 | 34.6  | 2.32 | 1800 | TXV   |       |
|               | FCP6000A                        | 55.0          | 10.00 | .70 | 9.0  | 6111  | 60.0  | 3.30 | 7.40 | 37.4  | 2.28 | 1800 | .093# |       |
|               | FCP6000A + TXV                  | 55.0          | 10.40 | .70 | 9.0  | 6111  | 60.0  | 3.30 | 7.40 | 37.4  | 2.28 | 1800 | TXV   |       |
|               | FCX6000A                        | 57.5          | 10.50 | .70 | 9.4  | 6117  | 60.0  | 3.14 | 7.40 | 37.4  | 2.28 | 1800 | TXV   |       |
|               | Requires 1-1/8 suction line set |               |       |     |      |       |       |      |      |       |      |      |       |       |
|               | EX*60N26A                       | 59.0          | 11.40 | .70 | 10.0 | 5900  | 60.0  | 3.42 | 7.60 | 37.2  | 2.36 | 1800 | TXV   |       |
|               | EXD/M60N26A + EV20N26           | 59.5          | 11.20 | .70 | 10.5 | 5667  | 59.5  | 3.50 | 8.30 | 37.0  | 2.46 | 1800 | TXV   |       |

# = Installer Must Change Pin To Size Indicated. **PIN** = Refrigerant Orifice PIN size. **TD1** = AMA001TDA Indoor Blower Time Delay Kit, required to make seer indicated. ST9120, FCP, FCX, and EF fan controls also satisfy TD1 requirements. **TXV** = Thermostatic Expansion Valve, use TXV153 (AMF153TKA) on 1-1/2 to 3 Tons, use TXV355 (AMF355TKA) on 3-1/2 to 5 Tons. For Electric Furnace (EF Series) ratings: EF08B1500A = EPA24B15A + TD1, EF12F1900A = EPA36F19A + TD1, EF16J2200A = EPA48J22A + TD1, EF20N2600A = EPA60N26 + TD1.

## EXTENDED REFRIGERANT LINE CORRECTION FACTORS

| Varying Line Length in Feet ( m ) vs. Total Capacity Multiplier |           |           |            |            |            |
|-----------------------------------------------------------------|-----------|-----------|------------|------------|------------|
| 25 ( 8 )                                                        | 50 ( 15 ) | 75 ( 23 ) | 100 ( 30 ) | 125 ( 38 ) | 150 ( 46 ) |
| 1.00                                                            | .99       | .98       | .96        | .94        | .92        |

### REFRIGERANT CHARGE DATA

All models are factory charged with R-22 for outdoor unit, 25' ( 8m ) of refrigerant line and matching indoor section.  
Refrigerant charge correction per foot ( 305mm ) of line:  
1/4" O.D. = .25 oz.; 5/16" O.D. = .45 oz.; 3/8" O.D. = .60 oz.;  
1/2" O.D. = 1.2 oz.

## VOLTAGE CORRECTION FACTORS

| Volts | Capacity | Watts |
|-------|----------|-------|
| 208   | .98      | .99   |

## INDOOR AIRFLOW CORRECTION TABLE

| % Rated Air      | 90  | 95  | 100  | 105  | 110  |
|------------------|-----|-----|------|------|------|
| Total Cap. Mult. | .98 | .99 | 1.00 | 1.01 | 1.03 |
| Sens Cap. Mult.  | .95 | .98 | 1.00 | 1.03 | 1.05 |

## ACCESSORIES

| Part Number  | Description                                   | Use With                                                                                          |
|--------------|-----------------------------------------------|---------------------------------------------------------------------------------------------------|
| ZAMA001TDA   | Indoor Blower Time Delay                      | All Models                                                                                        |
| 708938       | Compressor Start Device Solid State PTCR Type | All 1 Phase Models                                                                                |
| ZAXWR01DFA   | Fossil Fuel Kit                               | All Models                                                                                        |
| ZAXB002TKA * | TXV2                                          | 1 <sup>1</sup> / <sub>2</sub> & 2 TON A/C & H/P Evaporator Applications                           |
| ZAXB003TKA * | TXV3                                          | 2 <sup>1</sup> / <sub>2</sub> & 3 TON A/C & H/P Evaporator Applications                           |
| ZAXB004TKA * | TXV4                                          | 3 <sup>1</sup> / <sub>2</sub> & 4 TON A/C & H/P Evaporator Applications                           |
| ZAXB005TKA * | TXV5                                          | 5 TON A/C & H/P Evaporator Applications                                                           |
| AMF153TKAZ   | TXV153                                        | 1 <sup>1</sup> / <sub>2</sub> - 3 TON A/C & H/P Evaporator Applications (RH Thread for new coils) |
| AMF355TKAZ   | TXV355                                        | 3 <sup>1</sup> / <sub>2</sub> - 5 TON A/C & H/P Evaporator Applications (RH Thread for new coils) |

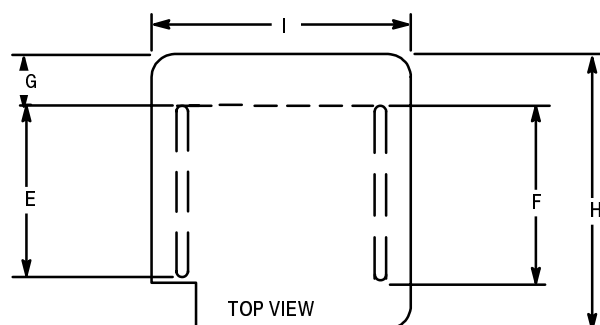
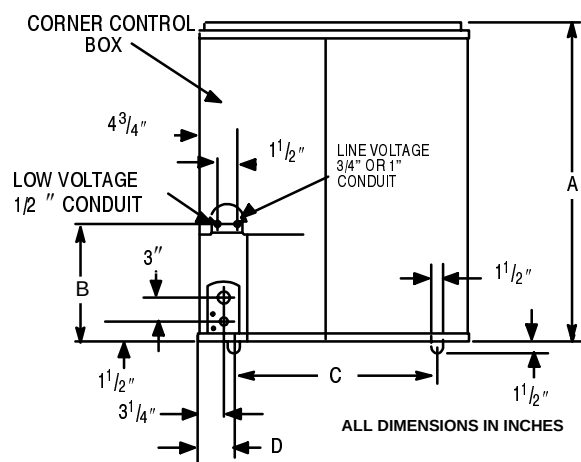
\* Use until inventory depleted.

## INDOOR TEMPERATURE CORRECTION TABLE (Based on 95°F Ambient)

| Indoor D.B. °F (°C). | Correction Factor | Entering Indoor Wet Bulb °F (°C). |         |             |         |             |         |             |
|----------------------|-------------------|-----------------------------------|---------|-------------|---------|-------------|---------|-------------|
|                      |                   | 59 (15)                           | 61 (16) | 63 (17)     | 65 (18) | 67 (19)     | 69 (20) | 71 (21)     |
| 70 (21 )             | Total Cap. Mult.  | <b>.90</b>                        | .93     | .96         | .99     | 1.02        | -       | -           |
|                      | Sens Cap. Mult.   | <b>.86</b>                        | .85     | .82         | .77     | .70         | -       | -           |
| 75 (24)              | Total Cap. Mult.  | .89                               | .92     | <b>.95</b>  | .98     | 1.01        | 1.04    | -           |
|                      | Sens Cap. Mult.   | 1.04                              | 1.03    | <b>1.00</b> | .95     | .88         | .78     | -           |
| 80 (26)              | Total Cap. Mult.  | .88                               | .91     | .94         | .97     | <b>1.00</b> | 1.03    | 1.06        |
|                      | Sens Cap. Mult.   | 1.18                              | 1.17    | 1.14        | 1.08    | <b>1.00</b> | .89     | .73         |
| 85 (29)              | Total Cap. Mult.  | -                                 | .90     | .93         | .96     | .99         | 1.02    | <b>1.05</b> |
|                      | Sens Cap. Mult.   | -                                 | 1.29    | 1.26        | 1.20    | 1.11        | .98     | <b>.81</b>  |

Bold Type = approximately 50% Relative Humidity

## UNIT DIMENSIONS



| Model No. | A  | B      | C      | D     | E      | F      | G     | H      | I      |
|-----------|----|--------|--------|-------|--------|--------|-------|--------|--------|
| YJ018     | 24 | 9-3/4  | 21-3/4 | 4     | 17-5/8 | 18-3/4 | 5-1/2 | 23-1/2 | 23-1/2 |
| YJ024     | 28 | 9-3/4  | 21-3/4 | 4     | 17-5/8 | 18-3/4 | 5-1/2 | 23-1/2 | 23-1/2 |
| YJ030     | 24 | 14-3/4 | 21-3/4 | 4     | 17-5/8 | 18-3/4 | 5-1/2 | 30     | 30     |
| YJ036     | 30 | 14-3/4 |        |       |        |        |       |        |        |
| YJ042     | 34 | 14-3/4 |        |       |        |        |       |        |        |
| YJ048     | 38 | 24-3/4 | 25-1/2 | 4-1/4 | 23-1/2 | 24-1/2 | 5-1/2 | 36     | 34     |
| YJ060     | 30 | 14-3/4 |        |       |        |        |       |        |        |