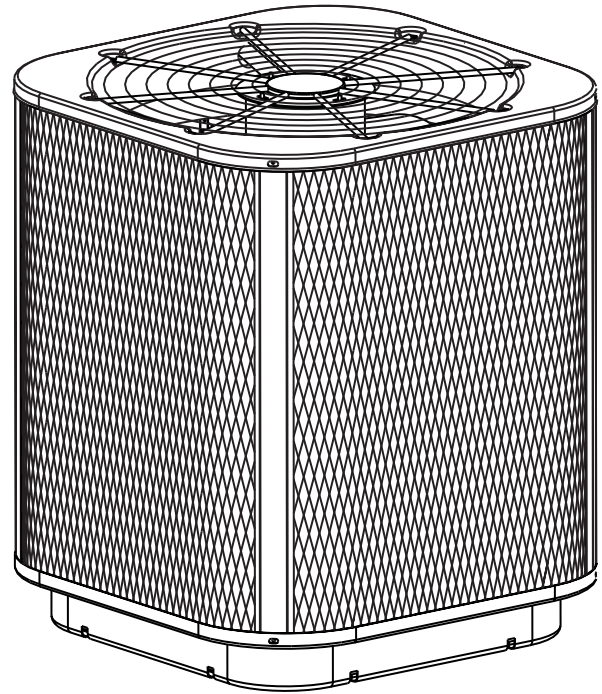


**MT3(B,Q)A-(-)KA Series
High Efficiency Heat Pumps
10 SEER
1-1/2 – 5 Ton Capacity**

The MT3(B,Q)A Series of heat pumps offers exceptional performance from a small, compact package. The heat pump, when combined with our engineered coils, offer a full line of quality, split system heating and cooling equipment.

FEATURES and BENEFITS

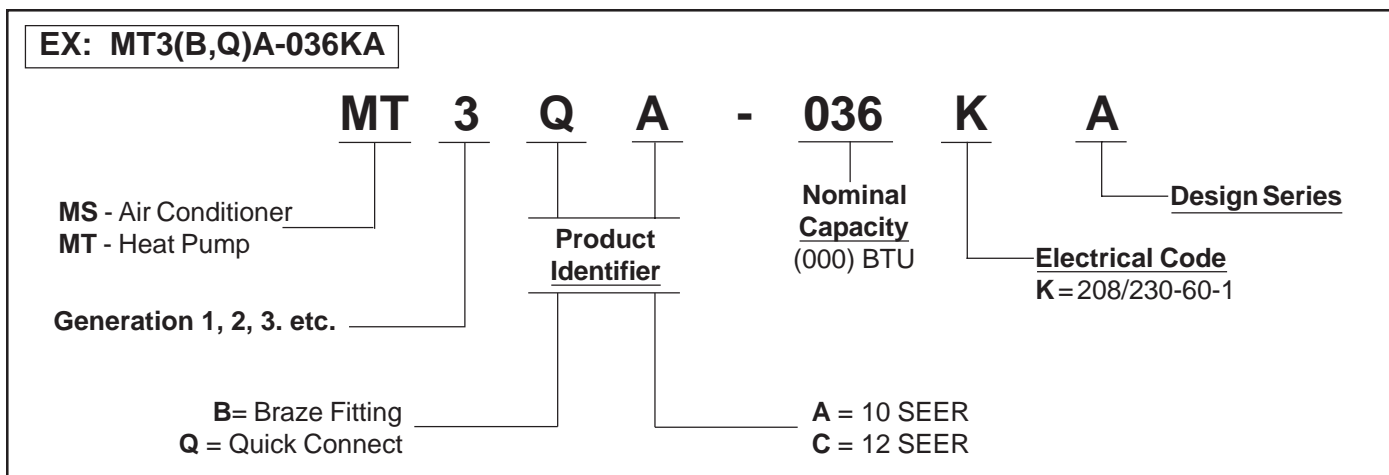
- **Durable, Attractive Cabinet** – Designed using galvanized steel with a polyester urethane finish. The 950 hour salt spray finish resists corrosion 50% better than comparable units.
- **Copper Tube / Aluminum Fin Coils** – Both indoor and outdoor coils are designed to optimize heat transfer, minimize size and cost, and increase durability and reliability.
- **Permanently Lubricated Motor** – A heavy duty PSC motor for long lasting reliability and quiet operation. Requires no maintenance and is completely protected from rain and snow.
- **Full Service Valves** – These brass valves are easily accessible and simplify servicing of the refrigeration system. Quick connect models also available.
- **Plastic Mesh Hail Guard** – A guard that will never rust and protects the units coil from being damaged by balls, lawnmowers, hail, etc.
- **Time/Temperature Defrost** – A reliable, industry standard control offers various time settings to meet any type climate.
- **Removable Top Grille Assembly** – Allows ease of service from the top without disconnecting fan motor leads.
- **One Piece Top/Orifice** – Designed for maximum airflow and quiet operation.
- **Common Suction Service Port** – This port allows the contractor to read the suction pressure in all modes of



operation without removing any panels, saving time and increasing serviceability.

- **2-1/2" Pedestal Base** – The sturdy base keeps the bottom of the coil out of harms way. Secondly, the base has weep holes along the edge to allow the water from the defrosting coil and rain to flow away from the unit.
- **Five Minute Restart Time Delay** – When the unit shuts down, a five minute delay keeps the unit from restarting, eliminating the highest cause for compressor failure.
- **Suction Accumulator and Crankcase Heat** – Protection from liquid flood back and future compressor failures.
- **Hot Gas Muffler** – Reduces compressor noise and vibration.
- **Easy Compressor and Control Access** – Designed to make servicing easier for the contractor, access panels are provided to all controls and the compressor from the side of the unit.
- **Outdoor Thermostat - 913852** – Two stage logic provides ability to lock out electric strips down to balance point. Factory installed on quick connect models.
- **1 Year Limited All Parts Warranty / 5 Year Compressor Warranty** – Proven to be a major benefit to the consumer.

MODEL IDENTIFICATION CODES

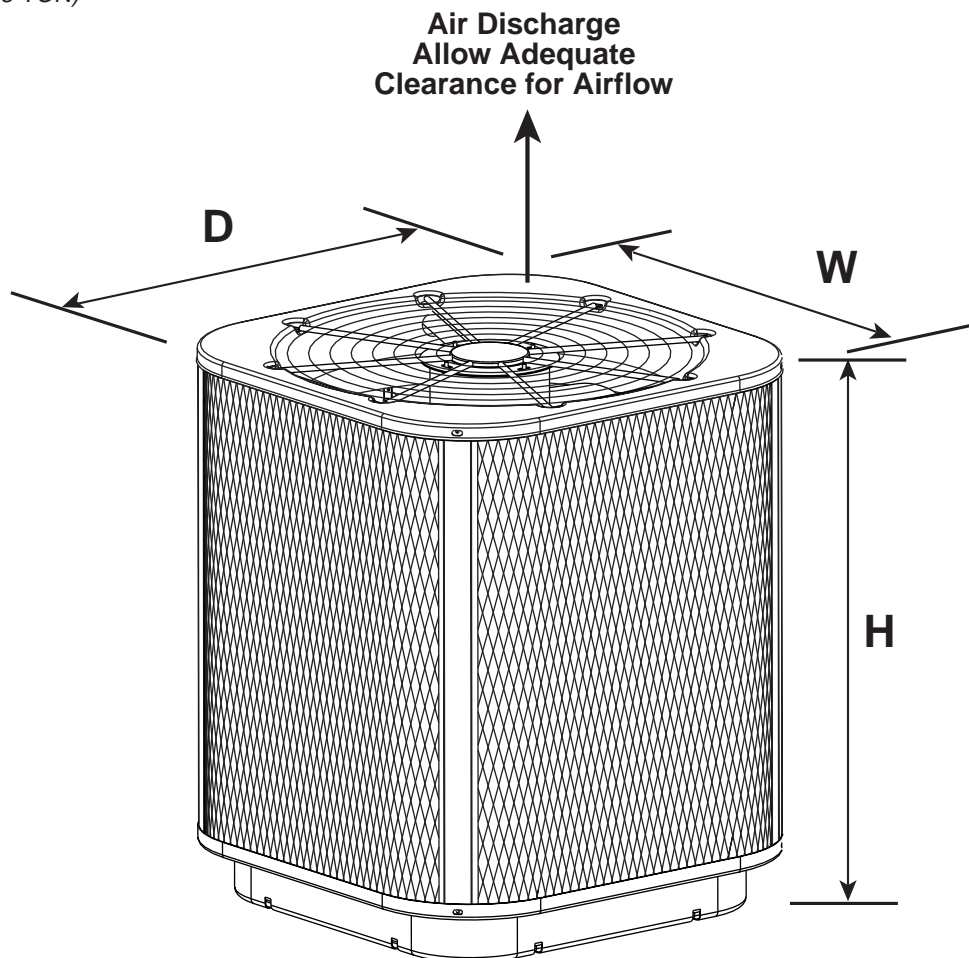


DIMENSIONS

HEAT PUMP OUTDOOR SECTION

| Capacity | 018KA* | 024KA | 030KA | 036KA | 042KA | 048KA | 060KA* |
|----------|--------|--------|--------|--------|--------|--------|--------|
| H | 22 1/2 | 22 1/2 | 26 1/2 | 34 1/2 | 34 1/2 | 30 1/2 | 42 1/2 |
| W | 22 1/2 | 22 1/2 | 22 1/2 | 22 1/2 | 22 1/2 | 30 1/2 | 30 1/2 |
| D | 22 1/2 | 22 1/2 | 22 1/2 | 22 1/2 | 22 1/2 | 30 1/2 | 30 1/2 |

*Braze only (1.5 & 5 TON)



PHYSICAL AND ELECTRICAL SPECIFICATIONS / OUTDOOR UNITS

10 SEER — High Efficiency — Single Phase

| Model No. MT3(B,Q)A- | | 018KA | 024KA | 030KA | 036KA | 042KA | 048KA | 060KA | |
|--|------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|----------|
| Electrical Data | Volts-Cycles-Phase (1) | 208/230-60-1 | 208/230-60-1 | 208/230-60-1 | 208/230-60-1 | 208/230-60-1 | 208/230-60-1 | 208/230-60-1 | |
| | Total Amps | 9.2 | 10.5 | 14.8 | 15.9 | 19.3 | 23.3 | 26.5 | |
| | Min. Circuit Ampacity | 11.4 | 12.9 | 18.2 | 19.7 | 23.7 | 28.7 | 32.7 | |
| | Delay Fuse Max. (2) | 15 | 20 | 30 | 30 | 40 | 50 | 50 | |
| Component Data | Coil | Area | 8.2 | 8.2 | 9.9 | 13.2 | 13.2 | 17.7 | 25.3 |
| | | Rows-FPI | 1-14 | 1-16 | 1-18 | 1-18 | 1-18 | 1-18 | 1-18 |
| | | Tube Dia. | 3/8 O.D. | 3/8 O.D. | 3/8 O.D. | 3/8 O.D. | 3/8 O.D. | 3/8 O.D. | 3/8 O.D. |
| | Fan Motor | Type | PSC | PSC | PSC | PSC | PSC | PSC | PSC |
| | | Amps | 0.7 | 0.7 | 1.1 | 1.1 | 1.4 | 1.5 | 1.5 |
| | | Watts-HP | 145-1/10 | 145-1/10 | 210-1/8 | 210-1/8 | 245-1/4 | 300-1/4 | 300-1/4 |
| | Fan Blade | Dia.-#Blades | 18 in.-3 | 18 in.-3 | 18 in.-3 | 18 in.-3 | 18 in.-3 | 24 in.-3 | 24 in.-3 |
| | | SCFM | 2100 | 2100 | 2500 | 2500 | 2800 | 4000 | 4000 |
| | Compressor Data* | RLA | 8.6 | 9.8 | 13.7 | 14.8 | 17.9 | 21.8 | 25.0 |
| | | LRA | 49 | 56 | 75 | 96 | 103 | 131 | 150 |
| Refrigerant Suction Line-Length/O.D. (Liq. Line All Lengths - 3/8"O.D.) | 0-24 ft. | 5/8" (3) | 5/8" (3) | 3/4" | 3/4" | 7/8" | 7/8" | 7/8" | |
| | 25-39 ft. | 5/8" (3) | 3/4" | 3/4" | 3/4" | 7/8" | 7/8" | 1-1/8"(5) | |
| | 40-75 ft. | 3/4" | 3/4" | 3/4" | 7/8" (4) | 7/8" | 7/8" | 1-1/8"(5) | |
| Refrigerant Charge (Outdoor unit, Indoor Unit,15' Line Set) | R-22 Ounces | 69 | 70 | 79 | 95 | 103 | 134 | 198 | |
| Weight Approximate (lbs.) | | 118 | 120 | 130 | 145 | 148 | 174 | 231 | |
| | Ship | 130 | 132 | 142 | 157 | 160 | 186 | 243 | |

* Values shown are most severe and may vary slightly depending on the make of the compressor supplied.

- (1) Operating Voltage Range: 198v min. — 253v max.
- (2) HACR Type Circuit Breakers may be used.
- (3) Requires 3/4" to 5/8" reducer from unit to line.
- (4) Requires 7/8" to 3/4" reducer from unit to line.
- (5) Requires 7/8" to 1-1/8" reducer from unit to line.

| COPPER WIRE SIZE — AWG | | | | |
|-------------------------|-----|-----|----|----------------------------|
| (1% Voltage Drop) | | | | |
| Supply Wire Length-Feet | | | | Supply Circuit Ampacity |
| 200 | 150 | 100 | 50 | |
| 6 | 8 | 10 | 14 | 15 |
| 4 | 6 | 8 | 12 | 20 |
| 4 | 6 | 8 | 10 | 25 |
| 4 | 4 | 6 | 10 | 30 |
| 3 | 4 | 6 | 8 | 35 |
| 3 | 4 | 6 | 8 | 40 |
| 2 | 3 | 4 | 6 | 45 |
| 2 | 3 | 4 | 6 | 50 |

Wire Size based on N.E.C. for 60° type copper conductors.

SYSTEM HEATING & COOLING CAPACITIES

10 SEER — High Efficiency — Single Phase

| Outdoor Unit | With This Coil | | | | | | | |
|----------------------------|---------------------|-----------------|------|----------------------|----------------------|------|----------------|-----------------------------|
| Model Number MT3(B,Q)A- | Coil C3(Q,D,B)A- | Cooling Btuh | SEER | Heating Btuh @ 47 | Heating Btuh @ 17 | HSPF | Nominal CFM | Required Orifice Size |
| 018KA | 024(C,U)-A (3) | 18,000 | 10.0 | 17,400 | 9,000 | 6.8 | 675 | 0.053(2) |
| 024KA | 024(C,U)-A (3) | 23,000 | 10.0 | 22,200 | 12,000 | 7.0 | 900 | 0.060 |
| 030KA | 036(C,U)-A (3) | 30,000 | 10.0 | 29,600 | 16,000 | 7.0 | 1125 | 0.067 |
| 030KA | 030(C,U)-B | 29,600 | 10.0 | 29,200 | 15,800 | 7.0 | 1125 | 0.067(2) |
| 036KA | 036(C,U)-A (3) | 34,200 | 10.0 | 33,600 | 17,400 | 7.0 | 1200 | 0.071(2) |
| 036KA | 036(C,U)-B (3) | 34,600 | 10.0 | 34,000 | 17,600 | 7.2 | 1350 | 0.071(2) |
| 042KA | 042(C,U)-B | 40,000 | 10.0 | 39,000 | 22,800 | 7.2 | 1450 | 0.077(2) |
| 048KA | 048(C,U)-B (3) | 46,000 | 10.0 | 46,500 | 26,000 | 7.2 | 1550 | 0.082(2) |
| 048KA | 048(C,U)-C | 46,500 | 10.0 | 46,500 | 26,000 | 7.2 | 1600 | 0.082(2) |
| 060KA | 060(C,U)-C (3) | 56,500 | 10.0 | 57,000 | 35,000 | 7.2 | 1850 | 0.087(2) |

(1) Field supplied

See current ARI Directory for certified combinations and ratings.

| Outdoor Unit | With This Air Handler | | | | | | | |
|----------------------------|---------------------------|-----------------|------|----------------------|----------------------|------|----------------|-----------------------------|
| Model Number MT3(B,Q)A- | Air Handler GB3B(M,V)- | Cooling Btuh | SEER | Heating Btuh @ 47 | Heating Btuh @ 17 | HSPF | Nominal CFM | Required Orifice Size |
| 018KA | 024K-A | 18,000 | 10.0 | 17,400 | 9,000 | 6.8 | 675 | 0.053(2) |
| 024KA | 024K-A | 23,000 | 10.0 | 22,200 | 12,000 | 7.0 | 900 | 0.060 |
| 030KA | 030K-A | 30,000 | 10.0 | 29,600 | 16,000 | 7.0 | 1125 | 0.067(2) |
| 036KA | 030K-A | 34,200 | 10.0 | 33,600 | 17,400 | 7.0 | 1200 | 0.071(2) |
| 036KA | 036K-B | 34,600 | 10.0 | 34,000 | 17,600 | 7.2 | 1350 | 0.071(2) |
| 042KA | 042K-B | 40,000 | 10.0 | 39,000 | 22,800 | 7.2 | 1450 | 0.077(2) |
| 048KA | 048K-B | 46,000 | 10.0 | 46,500 | 26,000 | 7.2 | 1600 | 0.082(2) |
| 060KA | 060K-C | 56,500 | 10.0 | 57,000 | 35,000 | 7.2 | 1850 | 0.087(2) |

(1) Supplied with indoor section

(2) Field supplied

(3) Also available as C3BH Horizontal Case Coil

ACCESSORIES - Condensing Unit

Start Assist Kit - 912933

Provides additional starting torque for the compressor motor when operating with low line voltage or high operating temperatures.

Snow Stand

Plastic-coated, molded wire stand which elevates units 7-1/4" above ground level.

913144 - (018 through 030) Shipped six (6) per box.

913145 - (036 through 060) Shipped six (6) per box.



We Encourage
Professionalism



Through Technician
Certification by NATE



CERTIFICATION APPLIES ONLY
WHEN THE COMPLETE
SYSTEM IS LISTED
WITH ARI



Member
NAHB