

# AMVM970804CN

Item Number: AMVM970804CN

| Attribute                     | Value   |
|-------------------------------|---|
| Brand                         | Amana   |
| ProductCategory               | Unitary   |
| ProductClassPIM               | Gas Furnace   |
| System Family                 | Unitary Split System  |
| Function Category             | Heating Only  |
| Product Type                  | Equipment   |
| Unit Type                     | Indoor  |
| Market Type                   | Residential-Single Family   |
| Product Family                | AMVM97  |
| Series Name                   | AMVM97  |
| Short Description             | Amana 97% AFUE Gas Furnace Variable Speed, Modulating   |
| Model Efficiency              | 0.97  |
| Family Description            | ComfortBridge™-Compatible Modulating Variable-Speed ECM Gas Furnace up to 98% AFUE  |
| Product Benefits              | 1. Higher reliability and quality;2. Airflow system gently ramps up or down according to heating or cooling demand and provides better comfort;3. Faster condensate water drainage and no unit water leakage;4. Auto-configure for each installation;5. Capable of using communicating and non communicating two-stage or single-stage thermostats;6. Self-diagnostic control board with constant memory fault code history output;7. Provisions for electronic air cleaner and humidifier;8. Energy efficient and precise comfort;9. Lower NOx emission;10. Tax Credit;11. Easy Connection for EAC and Humidifier                              |
| Product Features - (Standard) | 1. Heavy-duty stainless-steel tubular heat exchanger;2. Efficient and quiet variable-speed Blower;3. Stainless-steel sloped secondary heat exchanger;4. Self-calibrating modulating gas valve;5. Integrated communicating ComfortBridge™ technology;6. Commissioning and diagnostics via on board Bluetooth with the CoolCloud™ phone and tablet application;7. Dual 7-segment display;8. Color-coded low-voltage terminals;9. Modulating gas valve;10. All models comply with California 40 ng/J;11. Energy Star;12. Furnace control board with self-diagnostics and provisions for electronic air cleaner and 120-volt or 24-volt humidifiers |

| Attribute                                     | Value  |
|---|--|
| Cabinet Features                              | 1. Multi-position installation: upflow, horizontal left or right;2. Certified for direct vent (2-pipe) or non-direct vent (1 pipe);3. Easy to install top venting with optional side vent;4. Convenient left or right connection for gas and electrical service;5. Cabinet air leakage (Qleak) less than or equal to 2%;6. Fully insulated heat exchanger and blower section;7. Bottom or side return air applications;8. Heavy-gage steel cabinet with durable finish |
| Installation Type                             | Ducted   |
| Communication Feature                         | Yes  |
| Communication Feature Type                    | ComfortBridge Technology compatible  |
| Export Control Classification Number - (ECCN) | EAR99  |
| FER Compliant                                 | Yes  |
| Serialized Flag                               | Yes  |
| Universal Product Code (UPC)                  | 663051623767   |
| Item Stocking Unit of Measure (UOM)           | EA   |
| Pallet Qty                                    | 4  |
| Country of Origin                             | USA  |
| US HTS Code                                   | 7322.90.0015   |
| Canadian HTS Code                             | 7322.90.10.21  |
| Long Description                              | Amana 97% AFUE Gas Furnace Variable Speed, Modulating, Upflow/Horizontal, 80,000 BTUH/H, Non-NOx   |
| ProductDescriptionPIM                         | 97% ecm uf furnace   |
| AFUE  | 0.97   |
| AHRReferenceNumber                            | 7424284  |
| CoolingCapacityNominal                        | 48000 Btu/H  |
| ENERGYSTARCertified                           | Yes  |
| InstallationConfiguration                     | Upflow/Horizontal  |
| Producer                                      | Yes  |
| ProductIDBarcode                              | AMVM970804CN   |
| TemperatureRiseRangeHigh                      | 25-55 °F   |
| TemperatureRiseRangeLow                       | 25-55 °F   |
| CurrentType                                   | AC   |

| Attribute                               | Value                     |
|---|---------------------------|
| MaxOvercurrentProtection                | 15 A                      |
| MinCircuitAmps                          | 11.4 A                    |
| PowerFrequency                          | 60 Hz                     |
| PowerPhase                              | 1 Ph                      |
| PowerVoltage                            | 115 V                     |
| AirFlowRateHighHeating                  | 1815 ft <sup>3</sup> /min |
| AirFlowRateLowHeating                   | 905 ft <sup>3</sup> /min  |
| ANSI                                    | Yes                       |
| BlowerAvailableACTonnageHigh            | 4 Tonnage                 |
| BlowerAvailableACTonnageLow             | 1.5 Tonnage               |
| BlowerMotorRPM                          | 1250 r/min                |
| DimensionsBlowerDiameter                | 11 in                     |
| DimensionsBlowerWidth                   | 10 in                     |
| DimensionsUnitDepth                     | 28.75 in                  |
| DimensionsUnitHeight                    | 34-1/2 in                 |
| DimensionsUnitWidth                     | 21 in                     |
| ETLListed                               | Yes                       |
| ExternalStaticPressureRated             | 0.5                       |
| FilterQuantity                          | 1                         |
| FilterSizeMin                           | 16X25                     |
| HeatExchangerType                       | Gas                       |
| MinimumClearancestoCombustibleMaterials | 1 ft                      |
| MotorSpeedType                          | Variable Speed            |
| NOxBurnerType                           | Non-NOx                   |
| NumberOfBurners                         | 4                         |
| WeightUnit                              | 140 lb                    |
| BlowerMotorHorsePower                   | 3/4 metric hp             |
| HighFireInputCapacity                   | 80000 Btu                 |

| Attribute                               | Value                     |
|---|---------------------------|
| HighFireOutputCapacity                  | 77600                     |
| LowFireInputCapacity                    | 40000                     |
| LowFireOutputCapacity                   | 38800                     |
| Tonnage                                 | 4                         |
| GasValveType                            | Modulating                |
| VentDiameter                            | 2 in;3 in                 |
| Proposition 65 Label                    | Yes                       |
| Carton Type                             | CTN                       |
| Case Qty                                | 1                         |
| Dimensions - (Case Depth)               | 30.00 in                  |
| Dimensions - (Case Height)              | 38.50 in                  |
| Dimensions - (Case Width)               | 22.00 in                  |
| Dimensions - (Distribution Unit Depth)  | 30 in                     |
| Dimensions - (Distribution Unit Height) | 38.5 in                   |
| Dimensions - (Distribution Unit Width)  | 22 in                     |
| Dimensions - (Pallet Depth)             | 60.00 in                  |
| Dimensions - (Pallet Height)            | 38.50 in                  |
| Dimensions - (Pallet Width)             | 44.00 in                  |
| Dimensions - (Shipping Unit Depth)      | 30.00 in                  |
| Dimensions - (Shipping Unit Height)     | 38.50 in                  |
| Dimensions - (Shipping Unit Width)      | 22.00 in                  |
| Distribution Shipping Volume - (Unit)   | 25410 in <sup>3</sup>     |
| Shipping Volume - (Unit)                | 25410.000 in <sup>3</sup> |
| Truck Factor                            | 0                         |
| Volume - (Case)                         | 25410.000 in <sup>3</sup> |
| Volume - (Distribution Shipping Unit)   | 25410 in <sup>3</sup>     |
| Weight - (Case)                         | 140.000 lb                |
| Weight - (Distribution Shipping Unit)   | 140 lb                    |

| Attribute  | Value  |
|--|--|
| Weight - (Shipping Unit)                           | 140.000 lb   |
| Registered Parts Warranty - Commercial             | HEAT EXCHANGER - 20 YEARS PARTS;ALL PARTS - 5 YEARS PARTS  |
| Registered Parts Warranty - Multi-Family           | HEAT EXCHANGER - 20 YEARS PARTS;ALL PARTS - 10 YEARS PARTS   |
| Registered Parts Warranty - Residential            | HEAT EXCHANGER - 20 YEARS PARTS;HEAT EXCHANGER - 79 YEARS PARTS;ALL PARTS - 10 YEARS PARTS;HEAT EXCHANGER - 79 YEARS PARTS;HEAT EXCHANGER - 20 YEARS PARTS;ALL PARTS - 10 YEARS PARTS;HEAT EXCHANGER - 79 YEARS PARTS;HEAT EXCHANGER - 20 YEARS PARTS;ALL PARTS - 10 YEARS PARTS |
| Registered Unit Replacement Warranty - Residential | HEAT EXCHANGER - 10 YEARS UNIT REPLACEMENT;HEAT EXCHANGER - 10 YEARS UNIT REPLACEMENT;HEAT EXCHANGER - 10 YEARS UNIT REPLACEMENT   |
| Standard Parts Warranty - Commercial               | HEAT EXCHANGER - 20 YEARS PARTS;ALL PARTS - 5 YEARS PARTS  |
| Standard Parts Warranty - Multi-Family             | HEAT EXCHANGER - 20 YEARS PARTS;ALL PARTS - 5 YEARS PARTS  |
| Standard Parts Warranty - Residential              | ALL PARTS - 5 YEARS PARTS;HEAT EXCHANGER - 20 YEARS PARTS  |
| Ecomm Path Display                                 | Equipment/Residential Split System/Gas Furnace   |
| Release Status                                     | Active   |