

AMST42CU1300

| Attribute | Value |
|--------------------------------------|---|
| Brand | Corporate |
| ProductCategory | Unitary |
| ProductClassPIM | Air Handler |
| System Family | Unitary Split System |
| Function Category | Air Handler |
| Product Type | Equipment |
| Unit Type | Indoor |
| Market Type | Residential-Single Family |
| Product Family | AMST_32 |
| Series Name | AMST |
| Short Description | AMST Air Handler, Multi-Speed Motor, Ton |
| Family Description | Multi-Position, Multi-Speed, ECM-Based Air Handler with Internal TXV 1½ to 5 Tons |
| Product Benefits | All-Aluminum tube/aluminum fin coil;Direct-drive, resilient-mount, 9-speed ECM motor;Available without heat or with sequence-controlled and rust-resistant nickel chromium heating elements of 5, 6, 8 or 10 kW;High-efficiency evaporator coil;Quiet operation;Primary/secondary drain connection in a high-temperature plastic drain pan;Suitable for free-return installation (non-ducted return air);Galvanized-steel construction;Factory-installed pull-type disconnect;Easy service access;AHRI Certified; ETL Listed |
| Product Features - (Standard) | Internal factory-installed thermal expansion valves for cooling and heat pump applications;Direct drive, 9-speed ECM blower motor;Factory installed 7mm AlumaFin7™ Evaporator Coil on 1½ to 3½ Ton models and 3/8 in. Evaporator Coil on 4 to 5 Ton models;All-aluminum evaporator coil with high-performance coated fin stock;Coil mounting track for quick repositioning;Optimized for use with R-32 refrigerant with factory installed leak detection sensor for A2L mitigation.;Cabinet air leakage less than 2.0% at 1.0 inch H2O when tested in accordance with ASHRAE standard 193;Cabinet air leakage less than 1.4% at 0.5 inch H2O when tested in accordance with ASHRAE standard 193;3 kW – 25 kW electric heater kits;AHRI certified;ETL listed |
| Cabinet Features | Rigid SmartFrame cabinet;Horizontal or vertical configuration capabilities;21" depth for easier attic access;DecaBDE-free thermoplastic drain pan with secondary drain connections;Screw-less sides and back helps to reduce condensation when installed in humid locations;Foil-faced insulation covers the internal casing to reduce cabinet condensation;Galvanized, leather grain-embossed finish;Glue-less cabinet insulation retention;Tool-less filter access |
| Installation Type | Ducted Multi-position |
| Communication Feature | No |

| Attribute | Value |
|---|---|
| Export Control Classification Number - (ECCN) | EAR99 |
| Universal Product Code (UPC) | 663051689190 |
| Item Stocking Unit of Measure (UOM) | EA |
| Pallet Qty | 4 |
| Country of Origin | USA |
| US HTS Code | 8415.90.8085 |
| Canadian HTS Code | 8415.90.90.00 |
| Long Description | AMST Ducted Multi-position Air Handler, Multi-Speed Motor, 3.5 Ton, 21-1/8 in Cabinet with TXV Expansion, |
| ProductDescriptionPIM | Multi-Position, Multi-Speed, ECB-Based Air Handler with Internal TXV R-32 |
| CoolingCapacityNominal | 42000 Btu/H |
| Producer | Yes |
| ProductIDBarcode | AMST42CU1300 |
| IndoorFLA | 5.7 A |
| MaxOvercurrentProtection | 15 A |
| MaxVoltage | 253 V |
| MinCircuitAmps | 5.9 A |
| MinVoltage | 197 V |
| PowerFrequency | 60 Hz |
| PowerPhase | 1 Ph |
| PowerVoltage | 208/240 V |
| DimensionsBlowerDiameter | 10 in |
| DimensionsBlowerWidth | 8 in |
| DimensionsUnitDepth | 21 in |
| DimensionsUnitHeight | 53-7/16 in |
| DimensionsUnitWidth | 21-1/8 in |
| EvapMotorRPM | 1345 r/min |
| ExpansionDevice | TXV |

| Attribute | Value |
|--|-----------------------|
| MotorSpeedType | Multi-Speed |
| NumberOfSpeeds | 9 |
| WeightUnit | 153 lb |
| BlowerMotorHorsePower | 3/4 metric hp |
| TonnageRange | 3.5 |
| FactoryStdRefrigerantCharge | 0.5 oz |
| PipeSizeGas | 3/4 in |
| PipeSizeLiquid | 3/8 in |
| RefrigerantType | R-32 |
| Proposition 65 Label | Yes |
| Carton Type | CTN |
| Case Qty | 1 |
| Dimensions - (Case Depth) | 23.00 in |
| Dimensions - (Case Height) | 57.50 in |
| Dimensions - (Case Width) | 22.00 in |
| Dimensions - (Distribution Unit Depth) | 23 in |
| Dimensions - (Distribution Unit Height) | 57.5 in |
| Dimensions - (Distribution Unit Width) | 22 in |
| Dimensions - (Pallet Depth) | 46.00 in |
| Dimensions - (Pallet Height) | 57.50 in |
| Dimensions - (Pallet Width) | 44.00 in |
| Dimensions - (Shipping Unit Depth) | 23.00 in |
| Dimensions - (Shipping Unit Height) | 57.50 in |
| Dimensions - (Shipping Unit Width) | 22.00 in |
| Distribution Shipping Volume - (Unit) | 29095 in ³ |

| Attribute | Value |
|---|--|
| Shipping Volume - (Unit) | 29095.000 in ³ |
| Truck Factor | 0 |
| Volume - (Case) | 29095.000 in ³ |
| Volume - (Distribution Shipping Unit) | 29095 in ³ |
| Weight - (Case) | 140.000 lb |
| Weight - (Distribution Shipping Unit) | 140 lb |
| Weight - (Shipping Unit) | 140.000 lb |
| Registered Parts Warranty - Commercial | ALL PARTS - 5 YEARS PARTS |
| Registered Parts Warranty - Multi-Family | ALL PARTS - 10 YEARS PARTS |
| Registered Parts Warranty - Residential | ALL PARTS - 10 YEARS PARTS |
| Standard Parts Warranty - Commercial | ALL PARTS - 5 YEARS PARTS |
| Standard Parts Warranty - Multi-Family | ALL PARTS - 5 YEARS PARTS |
| Standard Parts Warranty - Residential | ALL PARTS - 5 YEARS PARTS |
| Ecomm Path Display | Equipment/Residential Split System/Air Handler |
| Release Status | Active |