

AMVT42CP1300

| 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 | AMVT_32 |
| Series Name | R-32 AMVT |
| Short Description | R-32 AMVT Air Handler, Variable Speed Motor, Ton |
| Product Benefits | <p>1. Internal factory-installed thermal expansion valves for cooling and heat pump applications;2. Variable-speed ECM blower motor;3. Integrated communicating ComfortBridge™ Technology;4. Commissioning and diagnostics via on board Bluetooth with the CoolCloud phone and tablet application;5. Auto configuration of the airflow and tonnage in communicating mode;6. Provides constant CFM over a wide range of static pressure conditions independent of duct system;7. CFM indicator;8. Fault recall of six most recent faults;9. Provides adjustable low CFM for efficient fan-only operation;10. Improved humidity and comfort control;11. Built-in compatibility with multi-stage heat pump and cooling applications;12. All-aluminum evaporator coil;13. AHRI certified; ETL listed;14. Rigid SmartFrame™ cabinet;15. Horizontal or vertical configuration capabilities;16. DecaBDE-free thermoplastic drain pan with secondary drain connections;17. Foil-faced insulation covers the internal casing to reduce cabinet condensation;18. Field Installed 3 kW – 25 kW electric heater kits available</p> |
| Product Features - (Standard) | <p>1. Internal factory-installed thermal expansion valves for cooling and heat pump applications;2. Variable-speed ECM blower motor;3. Integrated communicating ComfortBridge Technology;4. Commissioning and diagnostics via on board Bluetooth with the CoolCloud phone and tablet application. ;5. Auto configuration of the airflow and tonnage in communicating mode;6. Provides constant CFM over a wide range of static pressure conditions independent of duct system;7. CFM indicator;8. Fault recall of six most recent faults;9. Provides adjustable low CFM for efficient fan-only operation;10. Improved humidity and comfort control;11. Built-in compatibility with multi-stage heat pump and cooling applications;12. Optimized for R-32 refrigerant with factory installed leak detection sensor for A2L mitigation.</p> |

| Attribute | Value |
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| Cabinet Features | 1. Rigid SmartFrame™ cabinet;2. Cabinet air leakage less than 2.0% at 1.0 inch H ₂ O when tested in accordance with ASHRAE standard 193;3. Cabinet air leakage less than 1.4% at 0.5 inch H ₂ O when tested in accordance with ASHRAE standard 193;4. Horizontal or vertical configuration capabilities;5. 21" depth for easier attic access;6. DecaBDE-free thermoplastic drain pan with secondary drain connections;7. Screw-less sides and back helps to reduce condensation when installed in humid locations;8. Foil-faced insulation covers the internal casing to reduce cabinet condensation;9. Galvanized, leather grain-embossed finish;10 .Glue-less cabinet insulation retention |
| Installation Type | Ducted Multi-position |
| Communication Feature | No |
| Communication Feature Type | ComfortBridge Technology compatible |
| Export Control Classification Number - (ECCN) | EAR99 |
| Universal Product Code (UPC) | 663051736405 |
| Item Stocking Unit of Measure (UOM) | EA |
| Pallet Qty | 4 |
| Country of Origin | USA |
| US HTS Code | 8415.90.8070 |
| Canadian HTS Code | 8415.90.90.00 |
| Long Description | R-32 AMVT Ducted Multi-position Air Handler, Variable Speed Motor, 3.5 Ton, 21-1/8 in Cabinet with TXV Expansion, ComfortBridge Technology compatible |
| ProductDescriptionPIM | air handler |
| CoolingCapacityNominal | 42000 Btu/H |
| Producer | Yes |
| ProductIDBarcode | AMVT42CP1300 |
| IndoorFLA | 5.2 A |
| MaxOvercurrentProtection | 50/60 A |
| MaxVoltage | 253 V |
| MinCircuitAmps | 6.5/6.5 A |
| MinVoltage | 197 V |
| PowerFrequency | 60 Hz |
| PowerPhase | 1 Ph |

| Attribute | Value |
|--|----------------|
| PowerVoltage | 208/240 V |
| DimensionsBlowerDiameter | 10 in |
| DimensionsBlowerWidth | 8 in |
| DimensionsUnitDepth | 21 in |
| DimensionsUnitHeight | 53-7/16 in |
| DimensionsUnitWidth | 21-1/8 in |
| ExpansionDevice | TXV |
| MotorSpeedType | Variable Speed |
| WeightUnit | 158 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) | 24.50 in |
| Dimensions - (Case Height) | 57.50 in |
| Dimensions - (Case Width) | 22.50 in |
| Dimensions - (Distribution Unit Depth) | 24.5 in |
| Dimensions - (Distribution Unit Height) | 57.5 in |
| Dimensions - (Distribution Unit Width) | 22.5 in |
| Dimensions - (Pallet Depth) | 49.00 in |
| Dimensions - (Pallet Height) | 57.50 in |
| Dimensions - (Pallet Width) | 45.00 in |

| Attribute | Value |
|---|--|
| Dimensions - (Shipping Unit Depth) | 24.50 in |
| Dimensions - (Shipping Unit Height) | 57.50 in |
| Dimensions - (Shipping Unit Width) | 22.50 in |
| Distribution Shipping Volume - (Unit) | 31696.875 in ³ |
| Shipping Volume - (Unit) | 31696.875 in ³ |
| Truck Factor | 0 |
| Volume - (Case) | 31696.875 in ³ |
| Volume - (Distribution Shipping Unit) | 31696.875 in ³ |
| Weight - (Case) | 142.000 lb |
| Weight - (Distribution Shipping Unit) | 142 lb |
| Weight - (Shipping Unit) | 142.000 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 |