

# AMVT42CP1300

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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	<ol style="list-style-type: none"> <li>1. Internal factory-installed thermal expansion valves for cooling and heat pump applications</li> <li>2. Variable-speed ECM blower motor</li> <li>3. Integrated communicating ComfortBridge™ Technology</li> <li>4. Commissioning and diagnostics via on board Bluetooth with the CoolCloud phone and tablet application</li> <li>5. Auto configuration of the airflow and tonnage in communicating mode</li> <li>6. Provides constant CFM over a wide range of static pressure conditions independent of duct system</li> <li>7. CFM indicator</li> <li>8. Fault recall of six most recent faults</li> <li>9. Provides adjustable low CFM for efficient fan-only operation</li> <li>10. Improved humidity and comfort control</li> <li>11. Built-in compatibility with multi-stage heat pump and cooling applications</li> <li>12. All-aluminum evaporator coil</li> <li>13. AHRI certified</li> <li>ETL listed</li> <li>14. Rigid SmartFrame™ cabinet</li> <li>15. Horizontal or vertical configuration capabilities</li> <li>16. DecaBDE-free thermoplastic drain pan with secondary drain connections</li> <li>17. Foil-faced insulation covers the internal casing to reduce cabinet condensation</li> <li>18. Field Installed 3 kW – 25 kW electric heater kits available</li> </ol>

Attribute	Value
Product Features - (Standard)	<ol style="list-style-type: none"> <li>1. Internal factory-installed thermal expansion valves for cooling and heat pump applications</li> <li>2. Variable-speed ECM blower motor</li> <li>3. Integrated communicating ComfortBridge Technology</li> <li>4. Commissioning and diagnostics via on board Bluetooth with the CoolCloud phone and tablet application.</li> <li>5. Auto configuration of the airflow and tonnage in communicating mode</li> <li>6. Provides constant CFM over a wide range of static pressure conditions independent of duct system</li> <li>7. CFM indicator</li> <li>8. Fault recall of six most recent faults</li> <li>9. Provides adjustable low CFM for efficient fan-only operation</li> <li>10. Improved humidity and comfort control</li> <li>11. Built-in compatibility with multi-stage heat pump and cooling applications</li> <li>12. Optimized for R-32 refrigerant with factory installed leak detection sensor for A2L mitigation.</li> </ol>
Cabinet Features	<ol style="list-style-type: none"> <li>1. Rigid SmartFrame™ cabinet</li> <li>2. Cabinet air leakage less than 2.0% at 1.0 inch H<sub>2</sub>O when tested in accordance with ASHRAE standard 193</li> <li>3. Cabinet air leakage less than 1.4% at 0.5 inch H<sub>2</sub>O when tested in accordance with ASHRAE standard 193</li> <li>4. Horizontal or vertical configuration capabilities</li> <li>5. 21" depth for easier attic access</li> <li>6. DecaBDE-free thermoplastic drain pan with secondary drain connections</li> <li>7. Screw-less sides and back helps to reduce condensation when installed in humid locations</li> <li>8. Foil-faced insulation covers the internal casing to reduce cabinet condensation</li> <li>9. Galvanized, leather grain-embossed finish</li> <li>10 .Glue-less cabinet insulation retention</li> </ol>
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

Attribute	Value
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
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

<b>Attribute</b>	<b>Value</b>
Dimensions - (Pallet Depth)	49.00 in
Dimensions - (Pallet Height)	57.50 in
Dimensions - (Pallet Width)	45.00 in
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 <sup>3</sup>
Shipping Volume - (Unit)	31696.875 in <sup>3</sup>
Truck Factor	0
Volume - (Case)	31696.875 in <sup>3</sup>
Volume - (Distribution Shipping Unit)	31696.875 in <sup>3</sup>
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