

AZV9SA241C

Item Number: AZV9SA241C

Attribute	Value
Brand	Amana
ProductCategory	Unitary
ProductClassPIM	Split Heat Pump
System Family	Unitary Split System
Function Category	Heat Pump
Product Type	Equipment
Unit Type	Outdoor
Market Type	Residential-Single Family
Product Family	AZV9S
Series Name	AZV9S
Short Description	Amana Split Heat Pump 19.2 SEER2, Inverter
Model Efficiency	19.2 SEER2
Family Description	High-Efficiency, Communicating, Ultimate Variable-Speed Inverter Drive Side Discharge Heat Pump Up to 19.2 SEER2 & 10 HSPF2
Product Benefits	Meets the 2023 M1 Test Standards
Product Features - (Standard)	Variable-speed swing compressors;Strong heating capacity (Met the requirements of the U.S. Department of Energy (DOE) Residential Cold Climate Heat Pump Challenge);Suitable for high-ambient regions;Quiet digitally commutated fan motor • High-density compressor sound blanket;Compatible with Amana Smart Thermostat and other Amana communicating equipment;Compatible with AHRI 1380 Demand Response functionality Proprietary control algorithmic logic;In communicating mode, only two low-voltage wires to outdoor unit required;Diagnostic indicator lights, seven-segment LED display, and fault code storage;Proprietary Inside intelligence for diagnostics;Quiet-mode - provides enhanced acoustical comfort, up to 3 different sound levels (as low as 47dBA);Field-selectable boost mode increases compressor speed during unusually high loads;Field-installed bi-flow filter drier;Coil and ambient temperature sensors;Suction pressure transducer;Sweat connection service valves with easy access to gauge ports;3-Stage Heater Kit Available as a Field Installed Option Built-in drain pan heater;AHRI Certified;ETL Listed;Hot gas base pan eliminates extra drain pan heater down to 5°F

Attribute	Value
Cabinet Features	Heavy-gauge galvanized steel cabinet with grillestyle sound control side design;Custom Ivory white powder-paint finish;High corrosion (ZAM®), unpainted steel bottom frame and legs;500-hour salt-spray tested;Wire fan discharge grille;Top and side maintenance access;When properly anchored, meets the 2023 Florida Building Code unit integrity requirements for hurricane-type winds (Anchor bracket kits available.)
Installation Type	Ducted
Communication Feature	Yes
Communication Feature Type	Amana Brand smart thermostat
DOE Regional Compliance	All
Export Control Classification Number - (ECCN)	EAR99
Product Notes	R32 Outdoor
Item Stocking Unit of Measure (UOM)	EA
Pallet Qty	3
Country of Origin	Thailand
US HTS Code	8415.90.8070
Canadian HTS Code	8415.90.90.00
Long Description	Amana AZV9S Split Heat Pump 19.2 SEER2, Inverter, 2 Ton, Amana Brand smart thermostat
ProductDescriptionPIM	19.2 SEER2 HP R32, 2 Ton
COP17HSVTC	4.2
COP47HSVTC	4.2
EER2HSVTC	12.2
ENERGYSTARCertified	Yes
HeatingCapacityNominal	24000 Btu/H
HSPF2HSVTC	10
SEER2HSVTC	21
InstallationConfiguration	Side Discharge
Producer	No
ProductIDBarcode	AZV9SA241C
CoolingOperationRangeStdMax	115 °F

Attribute	Value
CoolingOperationRangeStdMin	0 °F
HeatingOperationRangeStdMax	70 °F
HeatingOperationRangeStdMin	-10 °F
RatedCoolingConditionAmbientDB	95 °F
RatedCoolingConditionAmbientWB	75 °F
RatedHeatingConditionAmbientDB	47 °F
RatedHeatingConditionAmbientWB	43 °F
Fan/CompressorDriveInput	0.3333333333333333
MaxOvercurrentProtection	20 A
MinCircuitAmps	17.4 A
PowerFrequency	60 Hz
PowerPhase	1 Ph
PowerVoltage	208/230 V
CompressorStages	Inverter
CompressorType	Inverter
DimensionsUnitDepth	22.625 in
DimensionsUnitHeight	56.3125 in
DimensionsUnitWidth	37 in
MotorSpeedType	Multi-Speed
SoundPressureHighCooling	71 dBA
WeightUnit	230 lb
CoolingCapacityRated	24000 Btu/H
HeatingCapacityRated	24000 Btu/H
Tonnage	2
FactoryStdRefrigerantCharge	162 oz
MaxPipeLengthTotal	150 ft
MaxPipeLengthVertical	90 ft
PipeSizeGas	7/8 in

Attribute	Value
PipeSizeLiquid	3/8 in
RefrigerantPreChargedLineLength	15 ft
RefrigerantType	R-32
ValveSizeSuctionOD	7/8 in
Proposition 65 Label	Yes
Carton Type	CTN
Case Qty	1
Dimensions - (Case Depth)	38.50 in
Dimensions - (Case Height)	61.25 in
Dimensions - (Case Width)	16.50 in
Dimensions - (Distribution Unit Depth)	38.5 in
Dimensions - (Distribution Unit Height)	61.25 in
Dimensions - (Distribution Unit Width)	16.5 in
Dimensions - (Pallet Depth)	48.00 in
Dimensions - (Pallet Height)	66.25 in
Dimensions - (Pallet Width)	40.00 in
Dimensions - (Shipping Unit Depth)	38.50 in
Dimensions - (Shipping Unit Height)	61.25 in
Dimensions - (Shipping Unit Width)	16.50 in
Distribution Shipping Volume - (Unit)	38909.0625 in ³
Shipping Volume - (Unit)	38909.062 in ³
Truck Factor	0
Volume - (Case)	38909.062 in ³
Volume - (Distribution Shipping Unit)	38909.0625 in ³
Weight - (Case)	265.000 lb
Weight - (Distribution Shipping Unit)	265 lb
Weight - (Shipping Unit)	265.000 lb
Registered Parts Warranty - Commercial	ALL PARTS - 5 YEARS PARTS

Attribute	Value
Registered Parts Warranty - Multi-Family	ALL PARTS - 10 YEARS PARTS
Registered Parts Warranty - Residential	COMPRESSORS - 10 YEARS PARTS;ALL PARTS - 10 YEARS PARTS;COMPRESSORS - 10 YEARS PARTS;COMPRESSORS - 10 YEARS PARTS;ALL PARTS - 10 YEARS PARTS;ALL PARTS - 10 YEARS PARTS
Registered Unit Replacement Warranty - Residential	COMPRESSORS - 10 YEARS UNIT REPLACEMENT;COMPRESSORS - 10 YEARS UNIT REPLACEMENT;COMPRESSORS - 10 YEARS UNIT REPLACEMENT
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/Split Heat Pump
Release Status	Active