

AVXC200481

Item Number: AVXC200481

Attribute	Value
Brand	Amana
ProductCategory	Unitary
ProductClassPIM	Split Air Conditioner
System Family	Unitary Split System
Function Category	Cooling Only
Product Type	Equipment
Unit Type	Outdoor
Market Type	Residential-Single Family
Product Family	AVXC20
Series Name	AVXC20
Short Description	Amana Split Air Conditioner 20 SEER, Inverter
Model Efficiency	20 SEER
Family Description	High-Efficiency, Communicating, Variable-Speed, Inverter Driven Split System Air Conditioner, Up to 23.5 SEER

Attribute	Value
Product Benefits	<p>1. Variable swing and scroll compressors feature more efficient operation, higher tolerance to liquid refrigerant, less mechanical failures and smoother, quieter operation when compared to reciprocating compressors and single stage compressors.;2. Technology built into the control board of the unit allows the use of any thermostat, single stage or communicating. ; 3. CoolCoud(TM) app allows connection to system via tablet or phone where system setup and diagnostics can be completed. ;4. The top performance of an electronically commutated motor (ECM) provide airflow at variable speeds, matching indoor comfort needs while reducing energy consumption and system noise compared to a single-speed motor. ;5. Filter-driers play a pivotal role in the operation of air conditioning and refrigeration systems. A factory installed filter-drier absorbs and filter's residual system contamiN/Ants and moisture.;6. A high-pressure switch prevents the system from operating at extremely high pressures by shutting off the compressor circuit if the pressure exceeds the designN/Ated rating. When a refrigeration system operates at lower than normal pressures, the low-pressure switch prevents freezing from working its way to the compressor.;7. Consistent and concise monitoring helps to ensure that the system is operating efficiently, regardless of the weather.;8. High-density foam compressor blanket provides noise reduction when the compressor is in operation.;9. Ground and Contractors can securely connect wires with large screw lugs, allowing for quick and solid wiring.;10. By simplifying the communication connection to two low voltage wires to the outdoor unit, technicians may elimiN/Ate the need to run additiON/AI thermostat wiring.;11. A straight-forward, color-coded termiN/AI strip for non-communicating set-up helps to simplify installation.;12. Meets the performance requirements for AHRI certification and complies with ETL North American safety standards.;13. When peak performance is needed, boost mode increases compressor speed to provide additiON/AI performance.;14. Copper coil tubing with enhanced aluminum fins increases the area for heat absorption, providing outstanding, energy-efficient heat transfer performance.;15. Proprietary, self-contained sequence of actions designed to help control system operation for energy efficient performance and enhanced reliability.;16. Fully charged with refrigerant sufficient for 15' of tubing length to assist with easy installation of unit.</p>
Product Features - (Standard)	<p>1. Variable-speed swing and scroll compressors;2. Integrated communicating ComfortBridge(TM) Technology;3. Commissioning and diagnostics via indoor Bluetooth with teh CoolCloud(TM) phone and tablet application;4. High-efficiency variable speed ECM condenser fan motor;5. Factory-installed filter drier;6. Factory-installed high and low-pressure switches;7. Factory-installed sensors monitoring coil and ambient temperature;8. High-density foam compressor sound blanket;9. Lug connection for ground and contactor;10. In communicating mode, only two low voltage wires to the outdoor unit are required;11. Color-coded terminal strip for non-communicating set-up;12. AHRI Certified - ETL Listed;13. Field-selectable boost mode increases compressor speed during unusually high loads;14. Copper tube & enhanced aluminum fin coil;15. Customized control algorithms;16. Fully charged for fifteen feet of tubing length</p>

Attribute	Value
Cabinet Features	1. Heavy-gauge galvanized steel cabinet and louvered coil guards;2. Service valves with sweat connections and easy-access gauge ports;3. Engineered sound control top design;4. Wire fan discharge grille;5. Baked-on powder-paint finish with 500-hour salt-spray approval;6. Single-panel access to controls with space for field-installed accessories;7. Service port and controls are accessible while unit is operating;8. Compact footprint;9. Rust-resistant screws;10. When properly anchored, meets the 2017 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	North;Southeast;Southwest
Export Control Classification Number - (ECCN)	EAR99
ISO Certified	Yes
Serialized Flag	Yes
Universal Product Code (UPC)	663051608429
Item Stocking Unit of Measure (UOM)	EA
Pallet Qty	1
Country of Origin	USA
US HTS Code	8415.90.8070
Canadian HTS Code	8415.90.90.00
Long Description	Amana Split Air Conditioner 20 SEER, Inverter, 4 Ton, Amana Brand smart thermostat
ProductDescriptionPIM	20 SEER, Air Conditioner, 4 Ton
AHRIReferenceNumber	10444388
CoolingCapacityNominal	45500 Btu/H
EERHSVTC	13
ENERGYSTARCertified	Yes
SEERDucted	21
SEERHSVTC	21
Producer	Yes
ProductIDBarcode	AVXC200481

Attribute	Value
CompressorHighStageTempRange	125 °F
CompressorLowStageTempRange	55 °F
CoolingOperationRangeStdMax	125 °F
CoolingOperationRangeStdMin	55 °F
HeatingOperationRangeStdMax	70 °F
HeatingOperationRangeStdMin	-20 °F
RatedCoolingConditionAmbientDB	95 °F
RatedCoolingConditionAmbientWB	75 °F
RatedCoolingConditionRoomDB	80 °F
RatedCoolingConditionRoomWB	67 °F
SubcoolingTempatServiceValve	7-9 °F
SuperheatTempatServiceValve	7-9 °F
CompressorLRA	27.6 A
CompressorRLA	27.6 A
ControlVoltageConduitSize	1/2 in;3/4 in
CurrentType	AC
IndoorFLA	2.5 A
MaxOvercurrentProtection	35 A
MaxVoltage	253 V
MinCircuitAmps	30.1 A
MinVoltage	197 V
OutdoorFLA	2.5 A
PowerFrequency	60 Hz
PowerPhase	1 Ph
PowerSupplyConduitSize	1/2 in;3/4 in
PowerVoltage	208/230 V
RatedLoadAmps	27.6 A
AirFlowRateHighCooling	1440 ft ³ /min

Attribute	Value
AirFlowRateHighHeating	1440 ft ³ /min
AirFlowRateLowCooling	880 ft ³ /min
AirFlowRateLowHeating	880 ft ³ /min
CompressorSoundBlanket	Yes
CompressorStages	Inverter
CompressorType	Swing
CondenserFanRPM	890 r/min
DimensionsUnitDepth	35-1/2 in
DimensionsUnitHeight	41-3/4 in
DimensionsUnitWidth	35-1/2 in
EnergySource	Electric
ETLListed	Yes
ExpansionDevice	TXV
FanBladesCount	3
HeatExchangerType	Air Cooled
IndoorOrificeSize	N/A in
MotorSpeedType	Variable Speed ECM
SoundPressureHighCooling	75 dBA
SoundPressureLowCooling	64 dBA
SoundPressureMediumCooling	70 dBA
SoundPressureSuperHighCooling	75 dBA
SystemHighPressure	450 lb/in ²
SystemLowPressure	236 lb/in ²
WeightUnit	321 lb
CondenserFanHorsepower	1/2 metric hp
CoolingCapacityMax	49200 Btu/H
CoolingCapacityRated	45500 Btu/H
CoolingCapacitySensible	35000 Btu/H

Attribute	Value
SensibleHeatRatioST	0.77
Tonnage	4
AdditionalRefrigerantCharge	0.6 lb
FactoryStdRefrigerantCharge	246 oz
IndoorTXVKit	TXV-V48
LongLineSetLengthEquivalent	250 ft
LongLineSetLengthLinear	200 ft
MaxPipeLengthTotal	200 ft
MaxPipeLengthVertical	50 ft
PipeSizeGas	1-1/8 in
PipeSizeLiquid	3/8 in
RefrigerantPreChargedLineLength	15 ft
RefrigerantType	R-410A
ValveConnectionType	Ball Valve
ValveSizeLiquidOD	3/8 in
ValveSizeSuctionOD	7/8 in
VerticalLengthODAboveID	200 ft
VerticalLengthODBelowID	90 ft
Proposition 65 Label	Yes
Carton Type	CTN
Case Qty	1
Dimensions - (Case Depth)	37.00 in
Dimensions - (Case Height)	44.00 in
Dimensions - (Case Width)	37.00 in
Dimensions - (Distribution Unit Depth)	37 in
Dimensions - (Distribution Unit Height)	44 in
Dimensions - (Distribution Unit Width)	37 in
Dimensions - (Pallet Depth)	37.00 in

Attribute	Value
Dimensions - (Pallet Height)	44.00 in
Dimensions - (Pallet Width)	37.00 in
Dimensions - (Shipping Unit Depth)	37.00 in
Dimensions - (Shipping Unit Height)	44.00 in
Dimensions - (Shipping Unit Width)	37.00 in
Distribution Shipping Volume - (Unit)	60236 in ³
Shipping Volume - (Unit)	60236.000 in ³
Truck Factor	0
Volume - (Case)	60236.000 in ³
Volume - (Distribution Shipping Unit)	60236 in ³
Weight - (Case)	310.000 lb
Weight - (Distribution Shipping Unit)	310 lb
Weight - (Shipping Unit)	310.000 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;ALL PARTS - 10 YEARS PARTS;COMPRESSORS - 10 YEARS PARTS;ALL PARTS - 10 YEARS PARTS;COMPRESSORS - 10 YEARS PARTS;COMPRESSORS - 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 Air Conditioner