Heating & Air Conditioning
Amana
AMERICA'S BRAND FOR COMFORT™

ASXV9

High-Efficiency, Variable-Speed, Inverter Driven Split System Air Conditioner Up TO 22.5 SEER2 2 TO 5 Tons

Contents

ComfortBridge™ technology

CoolCloud™

COMFORT SPEED

Standard Features

- Variable-speed swing and scroll compressors
- High-density compressor sound blanket
- Integrated communicating ComfortBridge™ Technology
- Commissioning and diagnostics via indoor board Bluetooth with the CoolCloud™ phone and tablet application
- Variable-speed DC outdoor fan motor
- 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
- Field-selectable boost mode increases compressor speed during unusually high loads
- Field-installed bi-flow filter drier
- Coil and ambient temperature sensors
- AHRI Certified; ETL Listed

Cabinet Features

- Heavy-gauge, galvanized-steel cabinet
- Removable grille-style top design compliant with UL 60335-2-40
- Venturi for increased velocity of airflow
- Baked-on powder-paint finish
- 500-hour salt-spray tested
- Wire fan discharge grille
- Steel louver coil guard
- Top and side maintenance access
- Sweat connection service valves with easy access to gauge ports
- Single-panel access to controls with space provided for field-installed accessories
- When properly anchored, meets the 2020 Florida Building Code unit integrity requirements for hurricane-type winds (Anchor bracket kits available.)

ENERGY STAR ASK ABOUT ENERGY STAR

Proper sizing and installation of equipment is critical to achieving optimal performance. Split system air conditioners and heat pumps must be matched with appropriate coil components to meet ENERGY STAR® criteria. Ask your contractor for details or visit www.energystar.gov.

LIFE TIME UNIT REPLACEMENT LIMITED WARRANTY*

10 YEAR PARTS LIMITED WARRANTY*

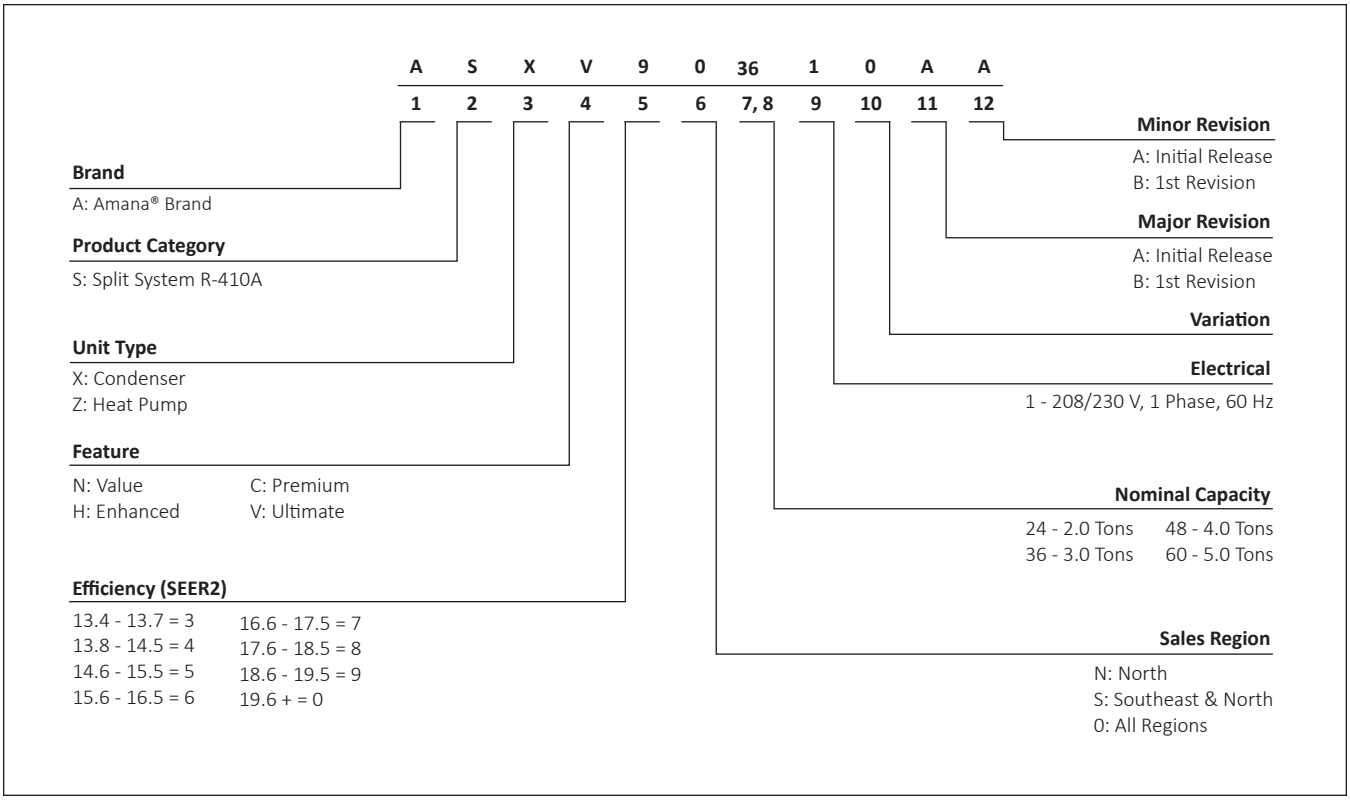
ETL LISTED c US Intertek

AHRI CERTIFIED

COMPANY WITH QUALITY SYSTEM CERTIFIED BY DNV GL = ISO 9001 =

COMPANY WITH ENVIRONMENTAL SYSTEM CERTIFIED BY DNV GL = ISO 14001 =

* Complete warranty details available from your local dealer or at www.amana-hac.com. To receive the Lifetime Unit Replacement Limited Warranty (good for as long as you own your home) and 10-Year Parts Limited Warranty, online registration must be completed within 60 days of installation. Additional requirements for annual maintenance are required for the Unit Replacement Limited Warranty. Online registration and some of the additional requirements are not required in California or Quebec.


A S X V 9 0 36 1 0 A A
1 2 3 4 5 6 7, 8 9 10 11 12
Brand
A: Amana® Brand
Product Category
S: Split System R-410A
Unit Type
X: Condenser
Z: Heat Pump
Feature
N: Value
H: Enhanced
C: Premium
V: Ultimate
Efficiency (SEER2)
13.4 - 13.7 = 3
13.8 - 14.5 = 4
14.6 - 15.5 = 5
15.6 - 16.5 = 6
16.6 - 17.5 = 7
17.6 - 18.5 = 8
18.6 - 19.5 = 9
19.6 + = 0
Sales Region
N: North
S: Southeast & North
0: All Regions
Nominal Capacity
24 - 2.0 Tons
36 - 3.0 Tons
48 - 4.0 Tons
60 - 5.0 Tons
Electrical
1 - 208/230 V, 1 Phase, 60 Hz
Variation
Major Revision
A: Initial Release
B: 1st Revision
Minor Revision
A: Initial Release
B: 1st Revision

	ASXV902410A*	ASXV903610A*	ASXV904810A*	ASXV906010A*
CAPACITY AND RATINGS				
Max. Cooling (BTU/h)	22,600	32,800	45,000	52,000
COMPRESSOR				
Type	Swing	Swing	Swing	Scroll
RLA	12.7	18.1	27.6	28.6
CONDENSER FAN MOTOR				
Horsepower (HP)	½	½	½	½
FLA	2.5	2.5	2.5	2.5
REFRIGERATION SYSTEM				
Refrigerant Line Size [1]				
Liquid Line Size ("O.D.)	⅜"	⅜"	⅜"	⅜"
Suction Line Size ("O.D.)	¾"	⅞"	1⅛"	1⅛"
Refrigerant Connection Size				
Liquid Valve Size ("O.D.)	⅜"	⅜"	⅜"	⅜"
Suction Valve Size ("O.D.)	¾"	⅞"	⅞"	⅞"
Valve Connection Type	Front-Seated	Front-Seated	Ball Valve	Ball Valve
Refrigerant Charge	152	154	246	246
Superheat at Service Valve	7-9°F	7-9°F	7-9°F	7-9°F
Subcooling at Service Valve	7-9°F	7-9°F	7-9°F	7-9°F
ELECTRICAL DATA				
Voltage/Phase (60 Hz)	208-230/1	208-230/1	208-230/1	208-230/1
Minimum Circuit Ampacity [2]	15.2	20.6	30.1	31.1
Max. Overcurrent Protection [3]	20	25	35	35
Min / Max Volts	197/253	197/253	197/253	197/253
Electrical Conduit Size	½" or ¾"	½" or ¾"	½" or ¾"	½" or ¾"
EQUIPMENT WEIGHT (LBS)	210	221	321	321
SHIP WEIGHT (LBS)	241	253	353	353
ENERGY STAR® CERTIFIED ^	ENERGY STAR	ENERGY STAR	ENERGY STAR	ENERGY STAR

^ ENERGY STAR NOTES

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The www.energystar.gov website provides up-to-date system combinations certified to meet ENERGY STAR® requirements.

[1] Tested and rated in accordance with AHRI Standard 210/240

[2] Wire size should be determined in accordance with National Electrical Codes; extensive wire runs will require larger wire sizes.

[3] Must use time-delay fuses or HACR-type circuit breakers of the same size as noted.

NOTES

- Always check the S&R plate for electrical data on the unit being installed.
- Installer will need to supply ⅞" to 1⅛" adapters for suction line connections.
- Unit is charged with refrigerant for 15' of ⅜" liquid line. System charge must be adjusted per Installation Instructions Final Charge Procedure.