BUILT TO A HIGHER STANDARD®

American Standard®

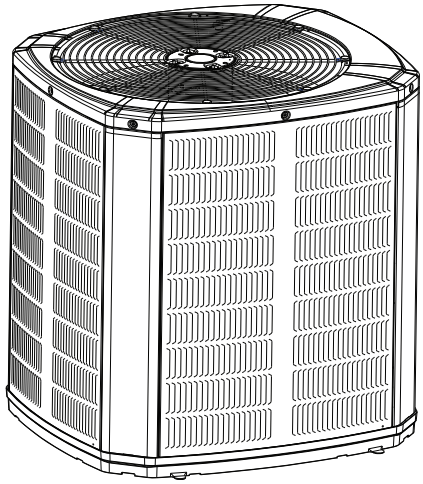
HEATING & AIR CONDITIONING

Product Data

American Standard Link Variable Speed Air Conditioners

5A7V8X24A1000A
5A7V8X36A1000A
5A7V8X48A1000A
5A7V8X60A1000A

SCAN WITH A PHONE CAMERA



Note: *"Graphics in this document are for representation only. Actual model may differ in appearance."*

Link™

The Diagnostics Mobile App is available by scanning a QR code above, the one located inside this unit or by searching for the Trane or American Standard Diagnostics App in your App Store®. This system must include a A/T HUI2360A200U thermostat and a TSYS2C60A2VVU system controller to operate and is Link communicating only.

September 2024

12-1445-1A-EN

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Mechanical Specification Options

General

This unit is designed to operate at outdoor ambient temperatures from 55° F to 120° F in cooling. From — 0° F to 66° F in heating (heat pumps only). Only AHRI approved indoor matches are approved for use with these models.

American Standard Link Air Conditioners

This outdoor unit contains the American Standard Link Air Conditioners digital communication with Plug-n-Play set up.

Casing

Unit casing is constructed of heavy gauge. G60 galvanized steel and painted with a weather-resistant powder paint on all louvered panels and prepaint on all other panels. Corrosion and weatherproof CMBP-G30 DuraBase™.

Refrigerant Controls

Refrigeration system controls include condenser fan, compressor inverter drive and high and low pressure switches. A factory supplied, field installed filter is standard.

Compressor

Inverter driven compressor with variable output capacities. Noise enclosure minimizes sound levels. Compressor protections reduce operating speed and current draw to maintain operation while protecting the compressor.

Condenser Coil

The Spine Fin™ outdoor coil provides low airflow resistance and efficient heat transfer. The coil is protected on all four sides by louvered panels.

Low Ambient Cooling

As manufactured, this system has built in freeze protection that will allow cooling operation below 55°F but will reduce capacity or shut down completely to prevent operation under adverse conditions.

Comfort Control

This system must include a A/T HUI2360A200U thermostat and a TSYS2C60A2VVU system controller to operate and is Link communicating only.

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Product Specifications

Air Conditioner Models

OUTDOOR UNIT (a) (b)	5A7V8X24A	5A7V8X36A	5A7V8X48A	5A7V8X60A
POWER CONNS. — V/PH/HZ (c)	208/230/1/60	208/230/1/60	208/230/1/60	208/230/1/60
MIN. BRCH. CIR. AMPACITY	19.0	27.0	36.0	43.0
BR. CIR. PROT. RTG. — MAX. (AMPS)	30	40	50	60
COMPRESSOR	ROTARY	ROTARY	ROTARY	ROTARY
NO. USED — NO. SPEEDS	1–VARIABLE	1–VARIABLE	1–VARIABLE	1–VARIABLE
MRC	17.8	27.1	39.2	46.1
FACTORY INSTALLED				
START COMPONENTS (d)	NA	NA	NA	NA
INSULATION/SOUND BLANKET	YES	YES	YES	YES
COMPRESSOR HEAT	YES	YES	YES	YES
OUTDOOR FAN				
DIA. (IN.) — NO. USED	23 – 1	23 – 1	27.5 – 1	27.5 – 1
TYPE DRIVE — NO. SPEEDS	DIRECT – VARIABLE	DIRECT – VARIABLE	DIRECT – VARIABLE	DIRECT – VARIABLE
NO. MOTORS — HP	1 – 1/3	1 – 1/3	1 – 1/2	1 – 1/2
MOTOR SPEED R.P.M.	200 – 1200	200 – 1200	200 – 1200	200 – 1200
VOLTS/PH/HZ	245–385/3/60	245–385/3/60	245–385/3/60	245–385/3/60
MOC	1.5	1.5	2.3	2.3
OUTDOOR COIL — TYPE	SPINE FIN™	SPINE FIN™	SPINE FIN™	SPINE FIN™
ROWS — F.P.I.	1 – 24	1 – 24	1 – 24	1 – 24
FACE AREA (SQ. FT.)	19.77	19.77	27.87	27.87
TUBE SIZE (IN.)	3/8	3/8	3/8	3/8
REFRIGERANT	R-454B	R-454B	R-454B	R-454B
LBS. — R-454B (O.D. UNIT) (e)	6 lb – 8 oz	6 lb – 7 oz	9 lb – 7 oz	9 lb – 10 oz
FACTORY SUPPLIED	YES	YES	YES	YES
RATED LINE SIZE — IN. O.D. GAS (f)	1/2	5/8	3/4	3/4
RATED LINE SIZE — IN. O.D. LIQ. (f)	5/16	5/16	5/16	5/16
CHARGING SPECIFICATIONS				
SUBCOOLING	10°	10°	10°	10°
DIMENSIONS	H X W X D	H X W X D	H X W X D	H X W X D
CRATED (IN.)	46 X 30 X 33	46 X 30 X 33	46 X 35 X 38	46 X 35 X 38
WEIGHT				
SHIPPING (LBS.)	197	210	251	261
NET (LBS.)	176	189	226	236

(a) Certified in accordance with the Air-Source Unitary Air-conditioner Equipment certification program, which is based on AHRI standard 210/240.
(b) Rated in accordance with AHRI standard 270/275.
(c) Calculated in accordance with Natl. Elec. Codes. Use only HACR circuit breakers or fuses.
(d) NA means no start components. Yes means quick start kit components. PTC means positive temperature coefficient starter.
(e) This value approximate. For more precise value see unit nameplate.
(f) The maximum length of refrigerant lines from outdoor to indoor varies depending on application. See Installer's Guide Table 4 for allowable applications.

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Sound Data

Model	Mode	Speed	A-Weighted Sound Power Level [dB(A)]	Full Octave Sound Power [dB]							
				63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
5A7V8X24A	Cool	Min	55	67.2	51.8	55.0	55.3	47.6	40.1	37.2	36.7
	Cool	Max	67	72.5	65.6	62.5	67.4	62.5	53.5	50.0	45.4
5A7V8X36A	Cool	Min	58	68.3	58.0	59.3	54.6	53.0	48.0	43.7	41.9
	Cool	Max	74	73.5	75.0	70.2	74.1	68.1	61.7	59.7	52.8
5A7V8X48A	Cool	Min	59	68.6	56.3	65.3	53.6	50.7	45.1	37.3	37.4
	Cool	Max	74	83.9	76.7	73.2	72.7	69.0	64.2	59.2	50.3
5A7V8X60A	Cool	Min	66	64.5	57.8	67.7	64.9	62.7	50.4	41.5	42.7
	Cool	Max	76	77.0	80.8	76.0	75.3	70.1	64.0	62.3	54.7

Note: *Rated in accordance with AHRI Standard 270.*

Optional Accessories:

Rubber Isolator Kit	BAYISLT101
Snow Leg — Base & Cap 4" High	BAYLEGS002
Snow Leg — 4" Extension	BAYLEGS003
SmartCharge ™ Tool	BAYCAKT002
Extreme Condition Mounting Kit	BAYECMT023
Refrigerant Lineset [a]	

[a] 25, 30, 35 and 50 foot linesets available. For a complete listing of lineset options available from equipment or supply stores, refer to the Trane Residential and Light Commercial Product Handbook.

General Data

AHRI STANDARD 210/240 RATING CONDITIONS

- Cooling 80°F DB, 67°F WB air entering indoor coil, 95°F DB air entering outdoor coil.
- High Temperature Heating 47°F DB, 43°F WB air entering outdoor coil, 70°F DB entering indoor coil.
- Low Temperature Heating 17°F DB, 15°F WB air entering outdoor coil, 70°F DB air entering indoor coil.
- Rated indoor airflow for heating is the same as for cooling.

AHRI STANDARD 270 RATING CONDITIONS — (Noise rating numbers are determined with the unit in cooling operation) Standard Noise Rating number is at 95°F outdoor air.

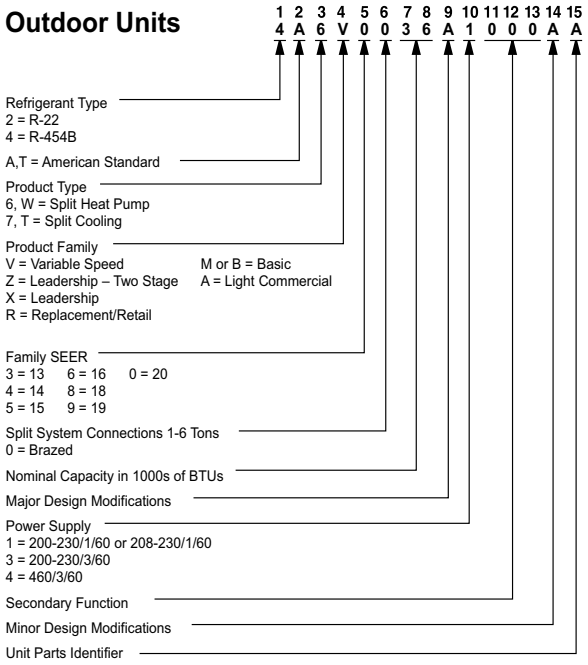
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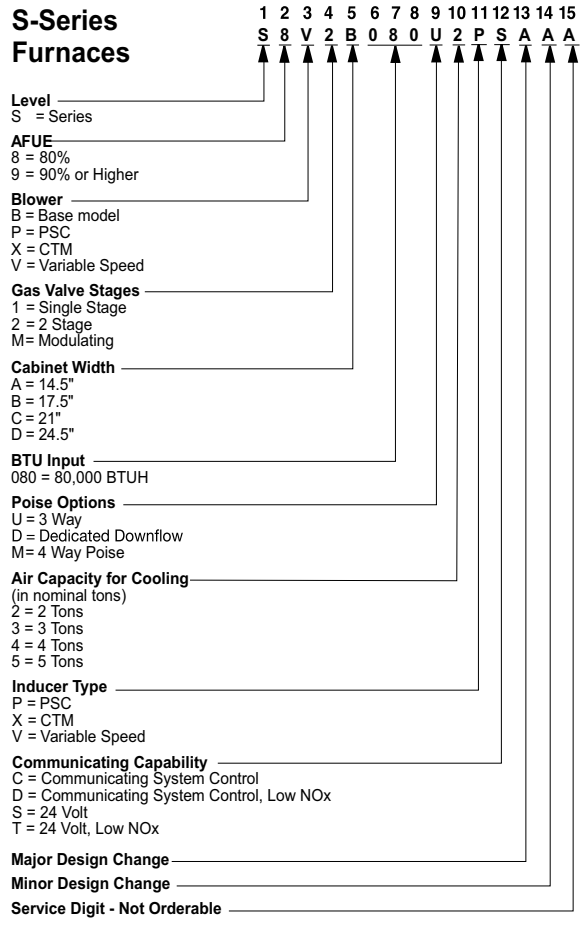
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Model Nomenclature

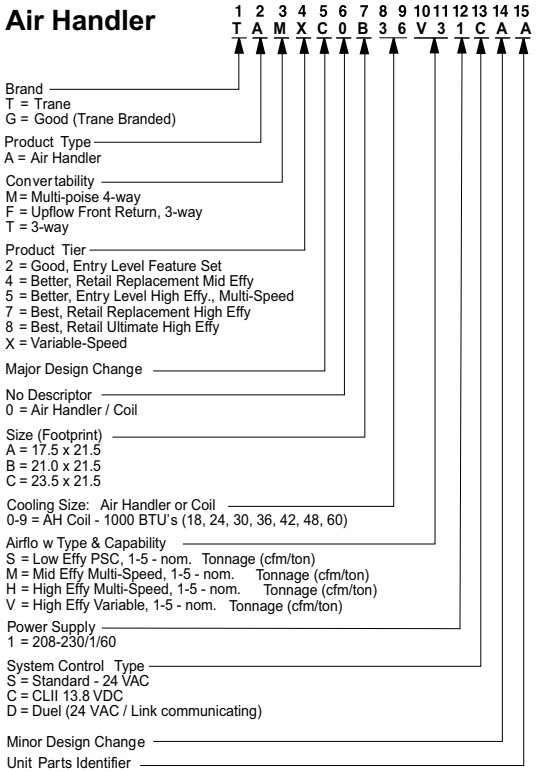
Outdoor Units



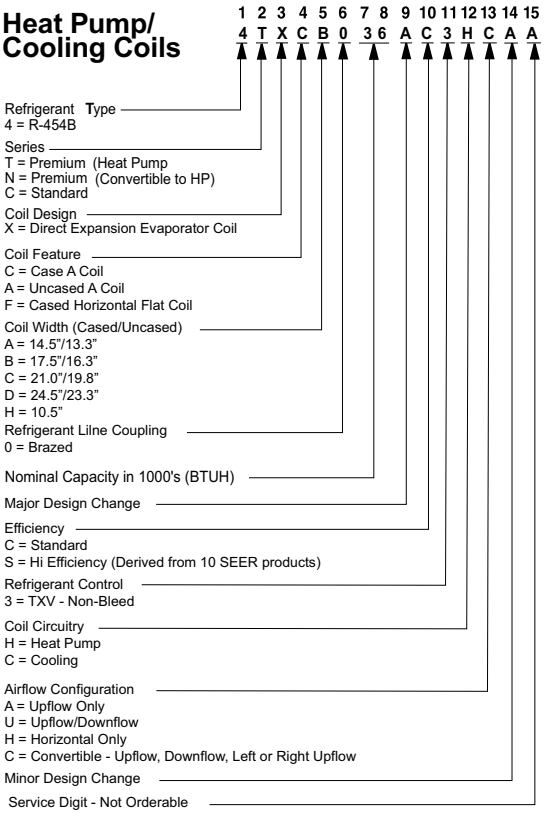
S-Series Furnaces



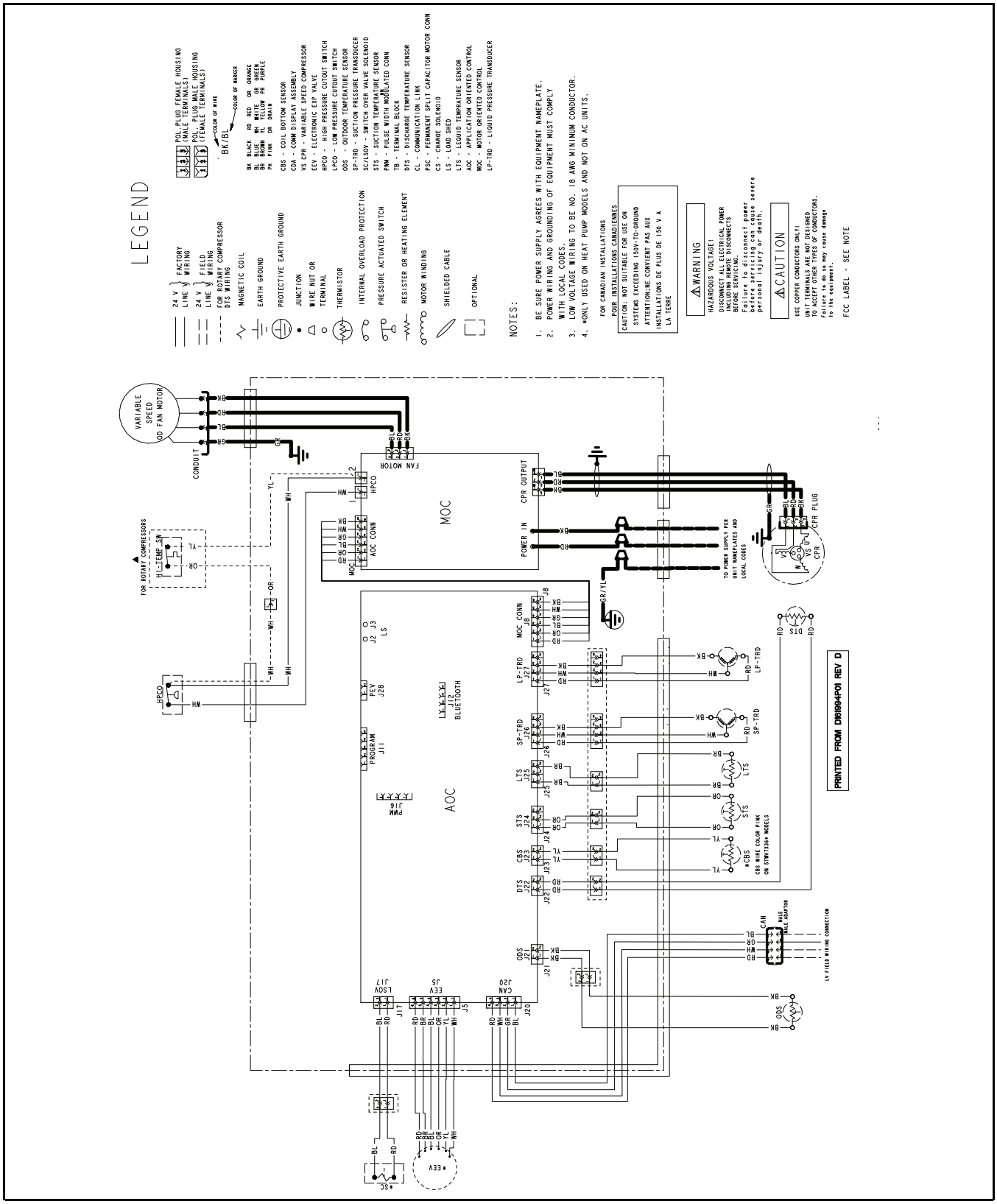
Air Handler



Heat Pump/ Cooling Coils



Wiring


LEGEND
NOTES:
1. BE SURE POWER SUPPLY AGREES WITH EQUIPMENT NAMEPLATE.
2. POWER WIRING AND GROUNDING OF EQUIPMENT MUST COMPLY WITH LOCAL CODES.
3. LOW VOLTAGE WIRING TO BE NO. 18 AWG MINIMUM CONDUCTOR.
4. #ONLY USED ON HEAT PUMP MODELS AND NOT ON AC UNITS.
FOR CANADIAN INSTALLATIONS
POUR INSTALLATIONS CANADIENNES
CAUTION: NOT SUITABLE FOR USE ON SYSTEMS EXCEEDING 150V-TO-GROUND
ATTENTION:NE CONVIENT PAS AUX INSTALLATIONS DE PLUS DE 150 V A LA TERRE
WARNING
HAZARDOUS VOLTAGE!
DISCONNECT ALL ELECTRICAL POWER INCLUDING REMOTE DISCONNECTS BEFORE SERVICING.
Failure to disconnect power could result in death or serious personal injury or death.
CAUTION
USE COPPER CONDUCTORS ONLY!
UNIT TERMINALS ARE NOT DESIGNED TO ACCEPT OTHER TYPES OF CONDUCTORS.
Failure to do so may cause damage to the equipment.
FCC LABEL - SEE NOTE
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About American Standard Heating and Air Conditioning

American Standard has been creating comfortable and affordable living environments for more than a century. For more information, please visit www.americanstandardair.com.

AHRI CERTIFIED®
www.ahridirectory.org
Unitary Small AC
AHRI Standard 210/240
Certification applies only when the complete system is listed with AHRI.

c UL us LISTED

The AHRI Certified mark indicates company participation in the AHRI Certification program. For verification of individual certified products, go to ahridirectory.org.

The manufacturer has a policy of continuous data improvement and it reserves the right to change design and specifications without notice. We are committed to using environmentally conscious print practices.

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Supersedes (New)

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