



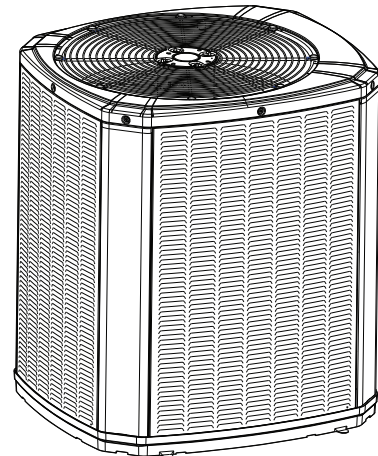
Submittal

TRANE Link Variable Speed Heat Pump

5TWV8X24A1000A/B

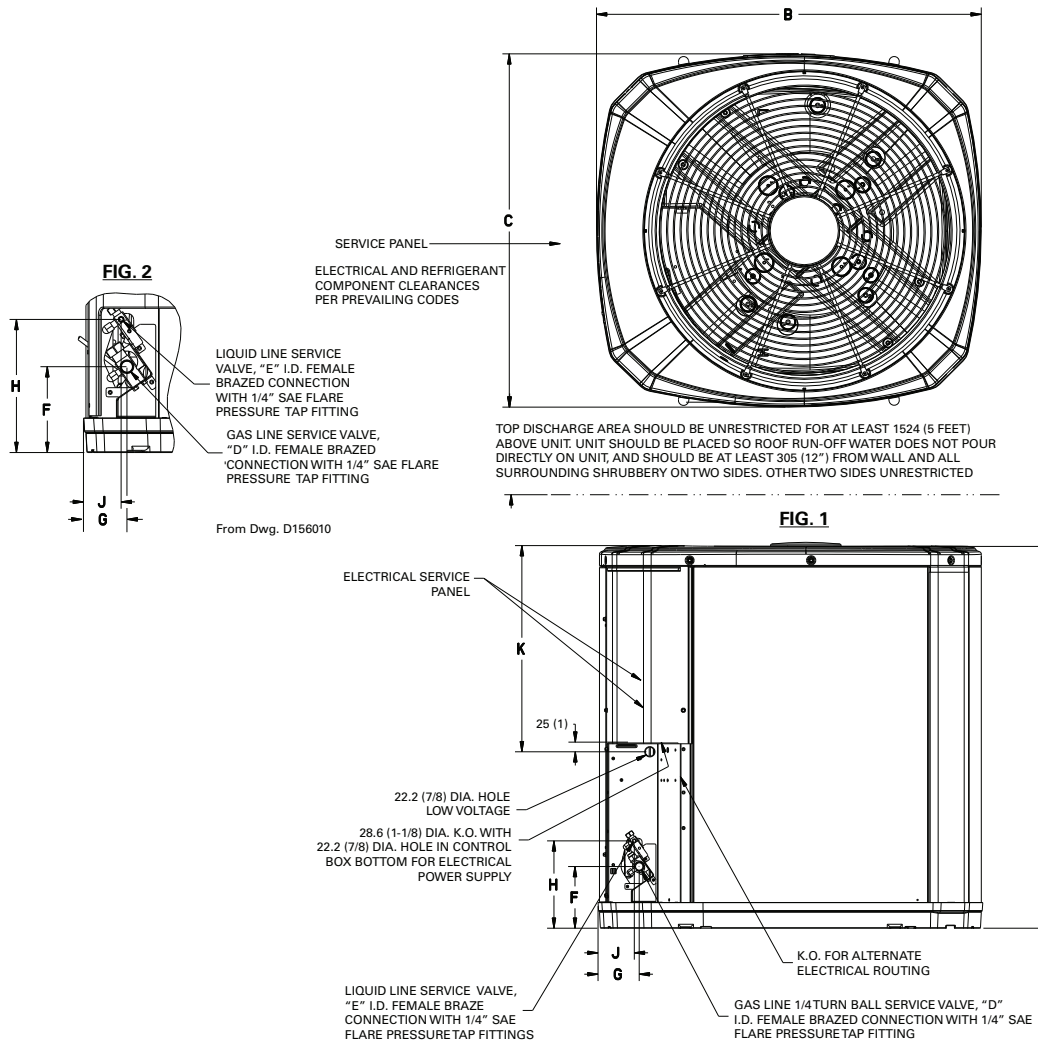


The Diagnostics Mobile App is available by scanning a QR code above, the one located inside this unit or by searching for the Trane or American Standard Diagnostics App in your App Store®. This system must include a A/T HUI2360A200U thermostat and a TSYS2C60A2VVU system controller to operate and is Link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



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

Outline Drawing



Model	Base	A	B	C	D	E	F	G	H	J	K
5TWV8X24A	3	1035 (40-3/4)	829 (32-5/8)	756 (29-3/4)	13-1/2	8-5/16	127 (5)	76 (3)	197 (7-3/4)	57 (2-1/4)	813 (32)

SOUND POWER LEVEL											
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
5TWV8X24A	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
	Heat	Min	54	64.4	48.8	53.9	52.9	47.9	42.2	40.6	41.0
	Heat	Max	74	76.9	73.7	71.7	73.0	70.2	62.9	58.2	52.8

Note: Rated in accordance with AHRI Standard 270-2008.



Product Specifications

OUTDOOR UNIT ^(a) ^(b)	5TWV8X24A1000A	5TWV8X24A1000B
POWER CONNS. — V/PH/HZ ^(c)	208/230/1/60	208/230/1/60
MIN. BRCH. CIR. AMPACITY	19.0	20.0
BR. CIR. PROT. RTG. — REC/MAX. (AMPS)	30	20/30
COMPRESSOR	ROTARY	ROTARY
NO. USED — NO. SPEEDS	1—VARIABLE	1—VARIABLE
MRC	17.8	17.8
FACTORY INSTALLED		
START COMPONENTS ^(d)	NA	NA
INSULATION/SOUND BLANKET	YES	YES
COMPRESSOR HEAT	YES	YES
OUTDOOR FAN		
DIA. (IN.) — NO. USED	23 — 1	23 — 1
TYPE DRIVE — NO. SPEEDS	DIRECT — VARIABLE	DIRECT — VARIABLE
NO. MOTORS — HP	1 — 1/3	1 — 1/3
MOTOR SPEED R.P.M.	200 — 1200	200 — 1200
VOLTS/PH/HZ	245–385/3/60	245–385/3/60
MOC	1.5	1.5
OUTDOOR COIL — TYPE	SPINE FIN™	SPINE FIN™
ROWS — F.P.I.	1 – 24	1 – 24
FACE AREA (SQ. FT.)	19.77	19.77
TUBE SIZE (IN.)	3/8	3/8
REFRIGERANT	R-454B	R-454B
LBS. — R-454B (O.D. UNIT) ^(e)	6 lb – 8 oz	6 lb – 8 oz
FACTORY SUPPLIED	YES	YES
LINE SIZE — IN. O.D. GAS ^(f)	1/2	1/2
LINE SIZE — IN. O.D. LIQ.	5/16	5/16
CHARGING SPECIFICATIONS		
SUBCOOLING	10°	10°
DIMENSIONS	H X W X D	H X W X D
CRATED (IN.)	46 X 30 X 33	46 X 30 X 33
WEIGHT		
SHIPPING (LBS.)	200	200
NET (LBS.)	181	181

^(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.

^(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.



Product Specifications

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.

TRANE Link Heat Pumps

This outdoor unit contains the TRANE Link Heat Pumps 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 DuraTuff™ base.

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 HUI2360A200U thermostat and a TSYSC60A2VVU system controller to operate and is Link communicating only.



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