

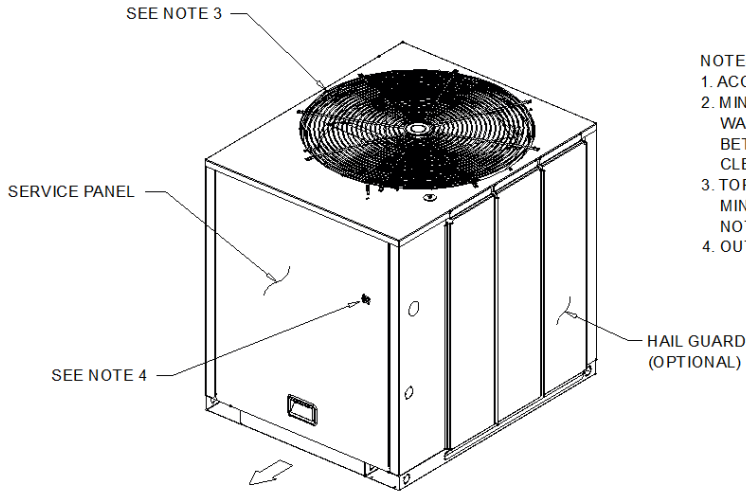
# 6 - 25 Ton Unitary Split Systems Outdoor

Unit Overview	
Model	TTA09043AAB**AE00000000000000 00000000000000
Unit Tonnage	7.5 Tons
Refrigeration Circuit / Stage	Single Compressor / Single Circuit
Unit Function	Cooling



Electrical Information			
Unit Voltage	208-230/60/3	Compressor 1 RLA	28.60 A
MCA	38.00 A	Cond. Motor 1 FLA	2.20 A
MOP	60.00 A		

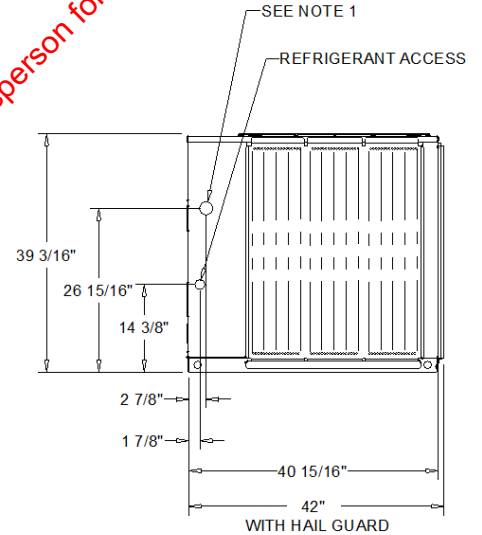
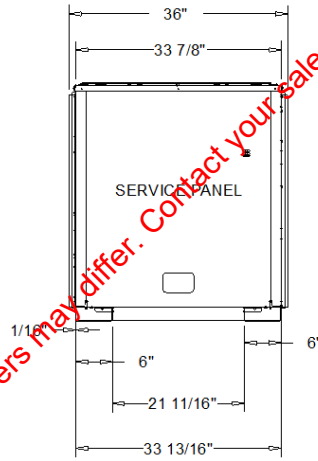
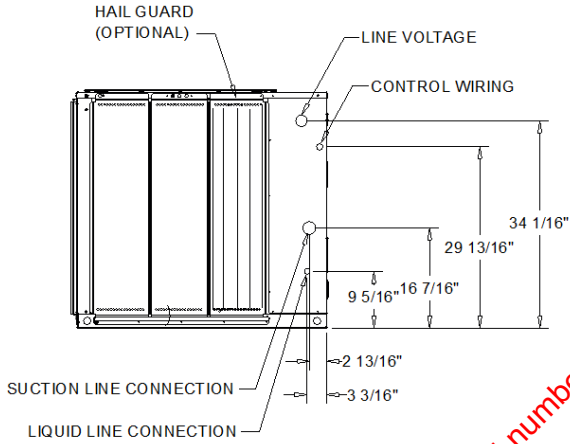
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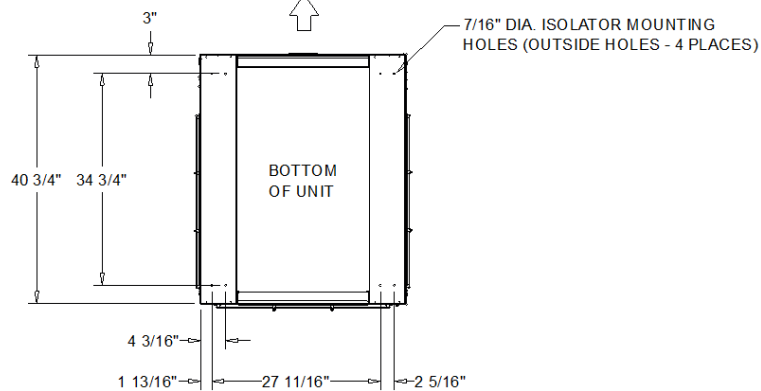
**NOTES:**

1. ACCESS OPENING IS FOR FIELD INSTALLED BAYLOAM ACCESSORY.
2. MINIMUM CLEARANCE FOR PROPER OPERATION IS 36" FROM WALLS, SHRUBBERY, PRIVACY FENCES ETC. MINIMUM CLEARANCE BETWEEN ADJACENT UNITS IS 72". RECOMMENDED SERVICE CLEARANCE 48"
3. TOP DISCHARGE AREA SHOULD BE UNRESTRICTED FOR 100' MINIMUM. UNIT SHOULD BE PLACED SO ROOF RUN-OFF WATER DOES NOT POUR DIRECTLY ON UNIT
4. OUTDOOR AIR TEMPERATURE SENSOR OPENING (DO NOT BLOCK OPENING)

SERVICE CLEARANCE  
48" (SEE NOTE 2  
FOR CLEARANCE)



**SERVICE PANEL SIDE**



**6 and 7.5 TON COOLING CONDENSER (SINGLE COMPRESSOR)**  
DIMENSIONAL DRAWING

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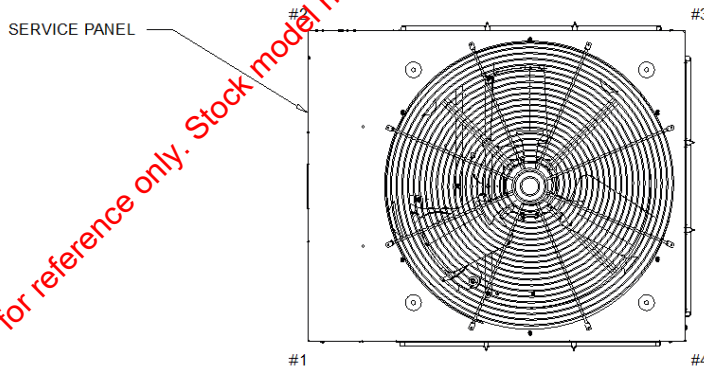
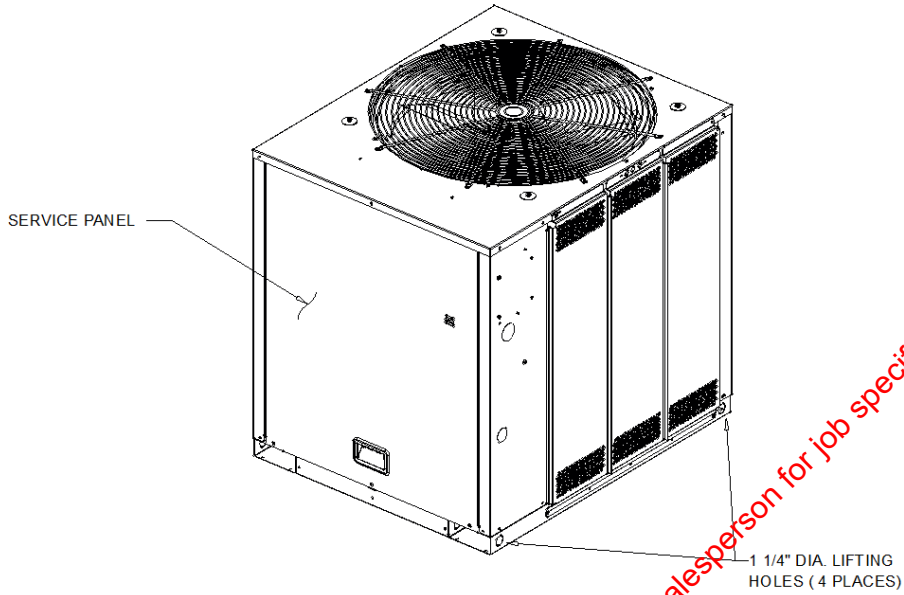
### ELECTRICAL DATA CONDENSER

ELECTRICAL DATA		COMPRESSOR MOTOR		CONDENSER FAN MOTOR	
Model:	TTA09043A	No.:	1	No.:	1
Unit Operating Voltage:	187 - 253	Volts:	208-230	Volts:	208-230
Minimum Circuit Ampacity:	38.0	Phase:	3	Phase:	1
Maximum Fuse Size:	60.0	Amp-RLA:	28.6	Amp-FLA:	2.2
Maximum Circuit Breaker:	60.0	Amp-LRA:	208.0	Amp-LRA:	8.4
<b>GENERAL DATA CONDENSER</b>					
<b>COOLING PERFORMANCE (1)(2)(3)(4)(5)</b>			<b>COMPRESSOR</b>		
Matched Air Handler:	TWE0904*A*	Number:	Scroll		
Condensing Unit Only:	91,000	No. Compressor / Tons:	1/6.9		
ARI Net Cooling Capacity:	94,000				
Matched Air Handler (EER):	11.5				
Condensing Unit Only (EER):	12.5				
System KW:	8.2				
Condensing Unit KW:	7.3				
System IEER:	13.0				
			<b>SYSTEM DATA (7)</b>		
			No. Refrigerant Circuits:	1	
			Suction Line (in.) OD:	1 1/8" Horizontal & Vertical	
			Liquid Line (in.) OD:	2"	
<b>OUTDOOR COIL</b>			<b>OUTDOOR FAN</b>		
Tube Size (in.) OD:	13/16"	No. Used/Diameter (in.):	1 / 26"		
Face Area (sq. ft.):	18 1/2"	Drive Type/No. Speeds:	DIRECT / 1		
Rows/FPI:	1/23	No. Motors/HP:	1 / 0.5		
			Motor RPM:	1,100	
<b>REFRIGERANT CHARGE (Fld Supplied) (7)(8)</b>					
TYPE:	R-410A				
(Circuits #1):	9.7 lb				
(Circuits #2):	N/A				

**NOTES:**

- Cooling performance is rated at 95 F ambient, 80 F entering dry bulb, 67 F entering wet bulb. Gross capacity does not include the effect of fan motor heat. ARI capacity is net and includes the effect of fan motor heat. Ratings shown are tested and certified in accordance with AHRI Standard 340/360 or 365 certification program.
- Standard 340/360 or 365 certification program.
- Condensing Unit Only Gross Cooling Capacity rate at 43 F saturated suction temperature and at 95 F ambient.
- ARI Net Cooling Capacity is calculated with matched blower coil and 25 ft. of OD interconnecting tubing. EER is rated at AHRI conditions and in accordance with DOE test procedures.
- Integrated Part Load Value is based on AHRI Standard 340/360 or 365. Units are rated at 80 F ambient, 80 F entering dry bulb, and 67 F entering wet bulb at AHRI rated CFM.
- Sound Rating shown is tested in accordance with AHRI Standard 270.
- Refer to refrigerant piping program for line sizing and line length.
- Refrigerant (operating) charge is for condensing unit (all circuits) with matching blower coils and 25 ft. of interconnecting refrigerant lines. All units are shipped with a small nitrogen holding charge only.

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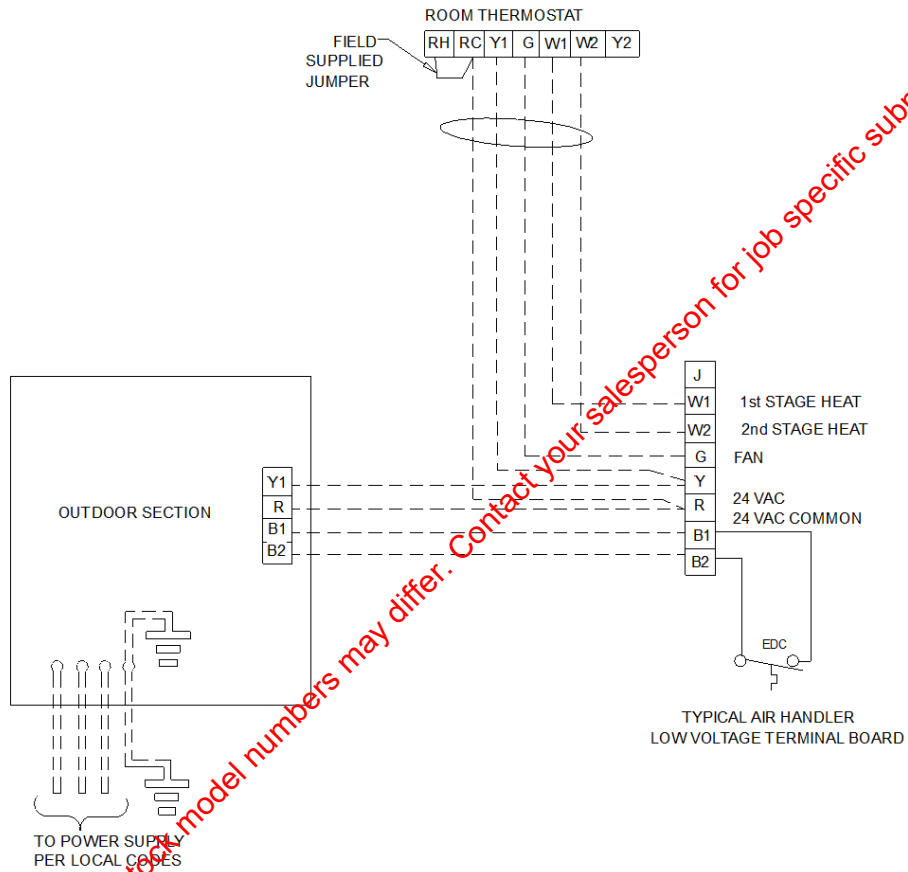
**WEIGHTS AND CORNER WEIGHTS**

Shipping:	343.0 lb
Net	295.0 lb
Corner 1:	81.0 lb
Corner 2:	96.0 lb
Corner 3:	51.0 lb
Corner 4:	67.0 lb

**WEIGHTS AND LOAD POINT LOCATION**

WEIGHT AND RIGGING

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INTER-COMPONENT WIRING

	{ 24 VOLT LINE VOLT	FACTORY WIRING
	{ 24 VOLT LINE VOLT	FIELD WIRING

NOTES:

1. POWER WIRING AND GROUNDING OF EQUIPMENT MUST COMPLY WITH LOCAL CODES.
2. BE SURE POWER SUPPLY AGREES WITH EQUIPMENT NAMEPLATE.
3. LOW VOLTAGE WIRING TO BE 18A.W.G. MINIMUM CONDUCTOR.
4. USE COPPER CONDUCTORS ONLY.

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### TTA Microchannel - General

Weatherproofed steel mounting/lifting rails Hermetic scroll compressors Microchannel condenser coils on select models Plate fin condenser coils Fans and motors Standard operating range 50-125°F (min. 0°F with low ambient accessory) Nitrogen holding charge Certified and rated in accordance with AHRI and DOE standards Certified to UL 1995

### TTA Microchannel - Casing

Zinc coated, heavy gauge, galvanized steel Weather resistant baked enamel finish Meets ASTM B117, 672 hour salt spray test  
Removable single side maintenance access panels  
Lifting handles in maintenance access panels  
Unit base provisions for forklift and/or crane lifting

### TTA Refrigeration System - Single Compressor (TTA073G, TTA090G, TTA120G)

Single refrigeration circuit with integral subcooling circuit Single direct drive hermetic scroll compressor Suction gas-cooled motor w/  $\pm 10\%$  voltage utilization range of unit nameplate voltage Crankcase heater Internal temperature and current sensitive motor overloads No compressor suction and/or discharge valves (reduced vibration/sound) Factory installed liquid line filter drier Phase loss/reverse rotation monitor External high pressure cutout device External low pressure cutout device Evaporator defrost control Loss of charge protection (discharge temperature limit)

### TTA Microchannel - Condenser Coil (Microchannel)

Microchannel coils burst tested by the manufacturer Coils shall be leak tested to ensure the pressure integrity Factory pressure and leak tested to 660 psig Perforated steel hail guards available (factory installed option or field installed accessory)

### TTA Microchannel - Condenser Fan

26" or 28" propeller fan(s) Direct drive statically and dynamically balanced

### TTA Microchannel - Condenser Motor(s)

Permanently lubricated totally enclosed or open construction Built-in current and thermal overloads Ball or sleeve bearing type

### TTA Microchannel - Controls

Choice of electromechanical or microprocessor Completely internally wired Numbered and colored wires Contactor pressure lugs or terminal block Unit external mounting location for disconnect device Single point power entry

### TTA Controls: Electro-Mechanical

24V control circuit Control transformer Thermostat compatible Anti-Short Cycle Timer