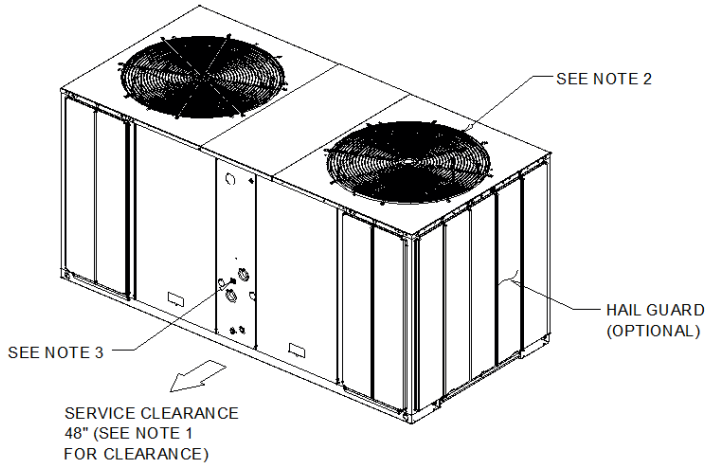
6 - 25 Ton Unitary Split Systems Outdoor

Unit Overview

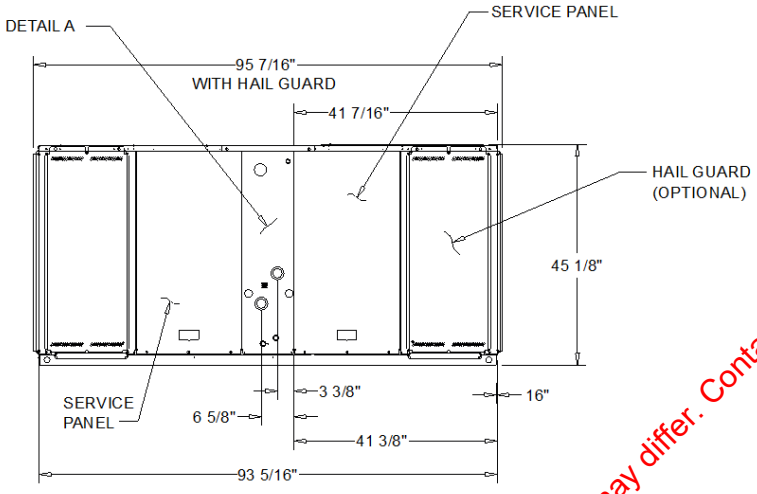
Model	TTA18043DAB**AE0000000000000000000000000
Unit Tonnage	15 Tons
Refrigeration Circuit / Stage	Dual Compressors / Dual Circuit
Unit Function	Cooling

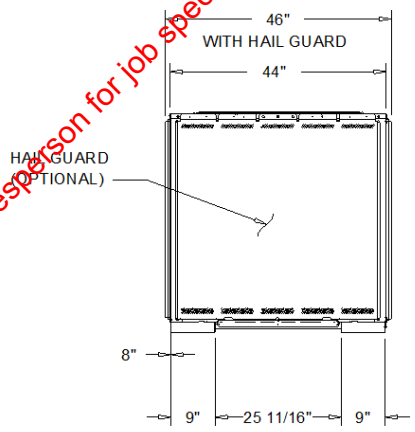
Electrical Information

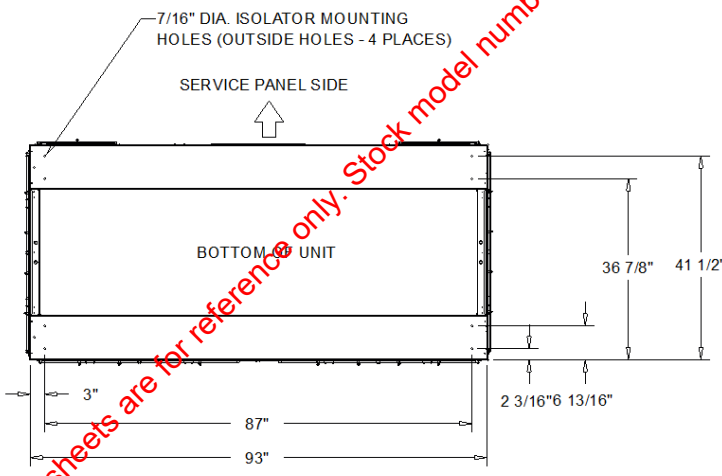
Unit Voltage	208-230/60/3	**Compressor 1 RLA**	28.60 A
MCA	74.00 A	**Compressor 2 RLA**	28.60 A
MOP	100.00 A	**Cond. Motor 1 FLA**	4.80 A
		Cond. Motor 2 FLA	4.80 A

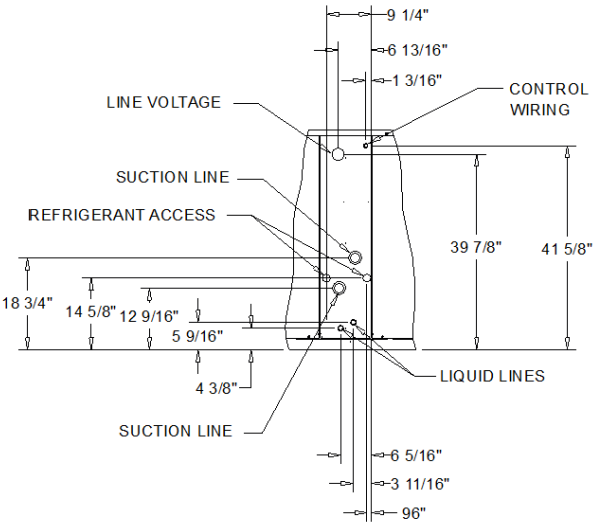


NOTES:
1. MINIMUM CLEARANCE FOR PROPER OPERATION IS 36" FROM WALLS, SHRUBBERY, PRIVACY FENCES ETC. MINIMUM CLEARANCE BETWEEN ADJACENT UNITS IS 72". RECOMMENDED SERVICE CLEARANCE 48"
2. TOP DISCHARGE AREA SHOULD BE UNRESTRICTED FOR 100" MINIMUM. UNIT SHOULD BE PLACED SO ROOF RUN-OFF WATER DOES NOT POUR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









FRONT DETAIL A
DIMENSIONAL DETAIL

15 - 20 TON COOLING CONDENSER (DUAL COMPRESSOR)

DIMENSIONAL DRAWING

ELECTRICAL DATA CONDENSER

ELECTRICAL DATA		COMPRESSOR MOTOR		CONDENSER FAN MOTOR	
Model:	TTA18043D	No.:	2	No.:	2
Unit Operating Voltage:	187 - 253	Volts:	208-230	Volts:	208-230
Minimum Circuit Ampacity:	74.0	Phase:	3	Phase:	1
Maximum Fuse Size:	100.0	Amp-RLA:	28.6/28.6	Amp-FLA:	4.8
Maximum Circuit Breaker:	100.0	Amp-LRA:	208.0/208.0	Amp-LRA:	20.0

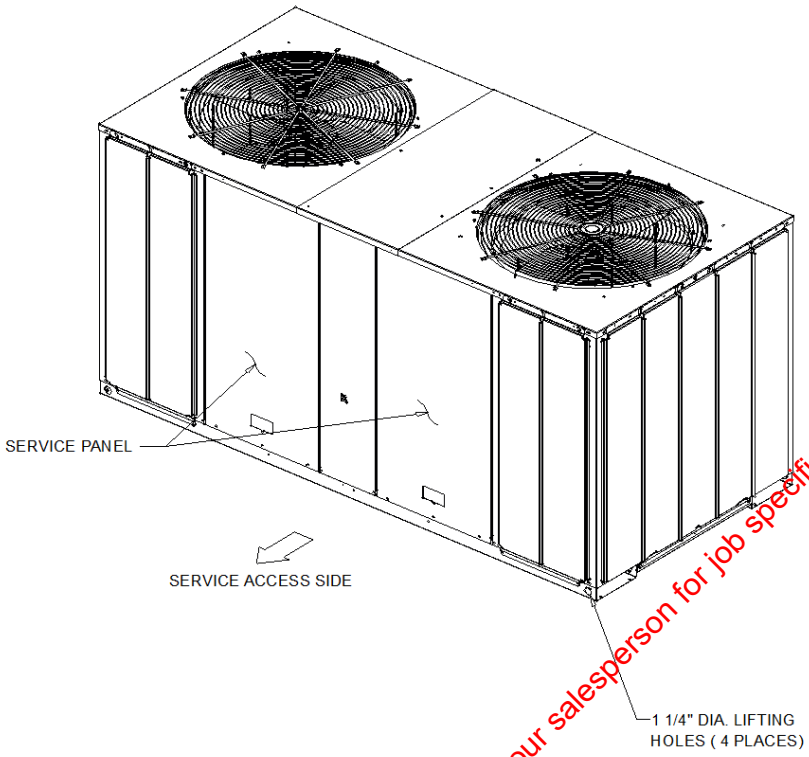
GENERAL DATA CONDENSER

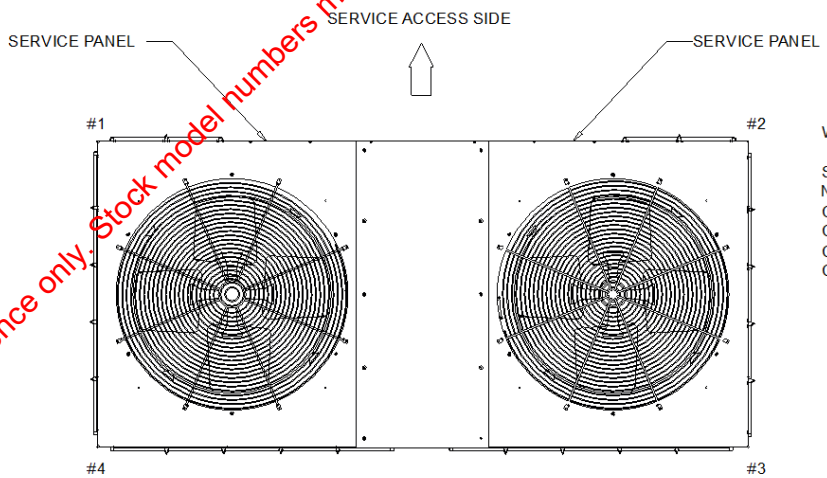
COOLING PERFORMANCE (1)(2)(3)(4)(5)		COMPRESSOR	
Matched Air Handler:	TWE1804*B*	Number:	Scrolls
Condensing Unit Only:	186,000	No. Compressor / Tons:	2/6.9
ARI Net Cooling Capacity:	186,000		
Matched Air Handler (EER):	11.2		
Condensing Unit Only (EER):	12.7		
System KW	16.3	SYSTEM DATA (7)	
Condensing Unit KW:	14.7	No. Refrigerant Circuits:	2
System IEER:	12.4	Suction Line (in.) OD:	1 1/8" Horizonal & Vertical
		Liquid Line (in.) OD:	2"
OUTDOOR COIL		OUTDOOR FAN	
Tube Size (in.) OD	13/16"	No. Used/Diameter (in.):	2 / 28"
Face Area (sq. ft.)	44 5/16"	Drive Type/No. Speeds:	DIRECT / 1
Rows/FPI	1/23	No. Motors/HP:	2 / 1
		Motor RPM:	1,100

REFRIGERANT CHARGE (Fld Supplied) (7)(8)	
TYPE:	R-410A
(Circuits #1):	11.5 lb
(Circuits #2):	11.5 lb

NOTES:

1. 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. AHRI capacity is net and includes the effect of fan motor heat. Ratings shown are tested and certified in accordance with AHRI
2. Standard 340/360 or 365 certification program.
3. Condensing Unit Only Gross Cooling Capacity rate at 40 F saturated suction temperature and at 95 F ambient.
4. 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.
5. 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.
6. Sound Rating shown is tested in accordance with AHRI Standard 270.
7. Refer to refrigerant piping program for line sizing and line length.
8. 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.



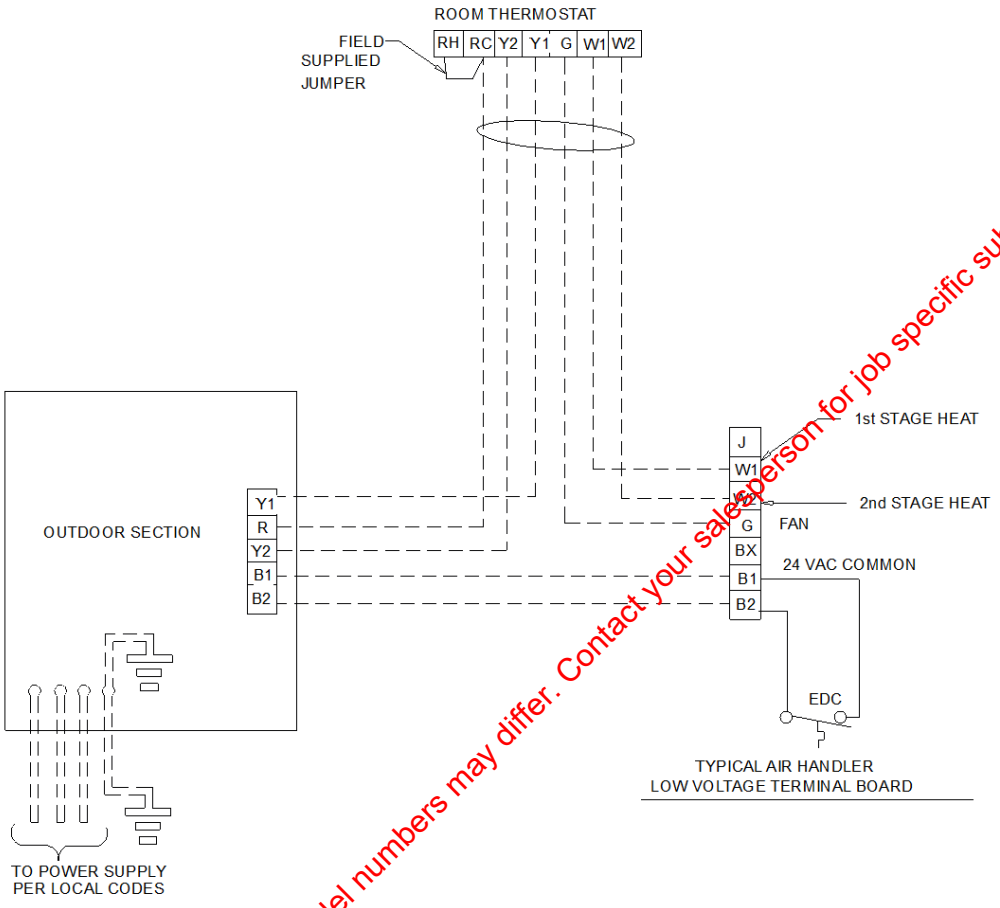


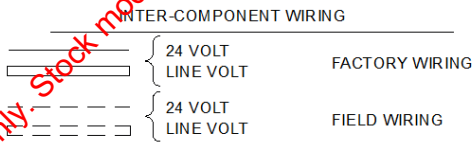
WEIGHTS AND CORNER WEIGHTS

Shipping:	807.0 lb
Net	692.0 lb
Corner 1:	156.0 lb
Corner 2:	244.0 lb
Corner 3:	112.0 lb
Corner 4:	180.0 lb

WEIGHTS AND LOAD POINT LOCATION FOR CONDENSOR

WEIGHT AND RIGGING





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 18 A.W.G. MINIMUM CONDUCTOR.
4. USE COPPER CONDUCTORS ONLY.
5. THE TWE120A UNIT DOES NOT HAVE A "Y2" TERMINAL.

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

Refrigeration System - Dual Compressor (TTA073H, TTA090H, TTA120H, TTA150H, TTA180H, TTA240H)
Two (2) separate and independent refrigerant circuits Each refrigeration circuit equipped with integral subcooling circuit Front or rear refrigerant line connections (TTA180H/240H)
Two (2) direct drive hermetic scroll compressor Suction gas-cooled motors w/ ± 10% voltage utilization range of unit nameplate voltage Crankcase Heaters Internal temperature and current sensitive motor overloads Factory installed liquid line filter driers Phase loss/reverse rotation monitor No compressor suction and/or discharge valves (reduced vibration/sound) External high pressure cutout devices

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