



Trane Foundation Electric/Electric Rooftop

Unit Overview - Model Number: EDK300AWS0A**07000000000000000000000000

Application		Unit Size		Refrigerant		Elevation	
Cooling		25 Ton		R-454B Refrigerant			
Supply Fan		External Dimensions				Operating Weight	
Airflow	Total static pressure	Height	Width	Length	Minimum	Maximum	
10000 cfm	1.350 in H2O	4.94 ft	7.24 ft	10.26 ft	1938.0 lb	2519.0 lb	

AHRI Data & Unit Features

EER @ AHRI Conditions	10.00
SEER/IEER @ AHRI Conditions	13.20
Rated capacity (AHRI)	266.00 MBh
Factory installed option	
Two speed fan standard motor	

Packaged Rooftop units cooling, heating capacities and efficiencies are rated within the scope of the Air-Conditioning, Heating & Refrigeration Institute (AHRI) Certification Program and display the AHRI Certified® mark as a visual confirmation of conformance to the certification sections of AHRI Standard 340-360 (I-P) and ANSI Z21.47 pertaining to Commercial Warm Air Furnaces. Certified units may be found in the AHRI directory at www.ahridirectory.org.



Unit Electrical

Voltage	575/60/3	Condenser Fan FLA	1.80 A
MCA	43.00 A	Evaporator Fan FLA	7.10 A
MOP	50.00 A	Compressor 1 RLA	16.70 A
MCA (230 w/ Elec Heat)	0.00 A	Compressor 2 RLA	10.90 A
MOP (230 w/Elec Heat)	0.00 A	Compressor Power	20.74 kW
		System Power	31.17 kW

Controls

Unit controls	Symbio 700
Supply fan/motor	Two speed fan standard motor

Cooling Performance

Cooling Entering Dry Bulb	80.00 F	Gross Total Capacity	284.88 MBh
Cooling Entering Wet Bulb	67.00 F	Gross Sensible Capacity	219.12 MBh
Ambient Temp	95.00 F	Gross Latent Capacity	65.76 MBh
Coil leaving dry bulb	59.80 F	Net Total Capacity	257.40 MBh
Coil leaving wet bulb	57.88 F	Net Sensible Heat Ratio	0.74 Number
Unit leaving dry bulb	62.74 F	Net Sensible Capacity	191.64 MBh
Unit leaving wet bulb	59.02 F	Refrig charge - ckt 1	14.4 lb
Saturated Discharge Temp Circuit 1	190.03 F	Percent capacity	25/37/63/100
Saturated Suction Temp Circuit 1	50.58 F		

Electric Heat Performance

Heating Type	Electric
Heating Stages	2



Airflow Performance

Airflow Application	Horizontal	Supply Motor Horsepower	5.59 kW
Design Airflow	10000 cfm	Supply Operating Horsepower	7.25 bhp
Design ESP	1.350 in H2O	Supply RPM	1097 rpm
Component SP Add	0.000 in H2O	Indoor Fan Type	FC Centrifugal
Total Static Pressure	1.350 in H2O	Indoor Fan Drive Type	Belt
Outdoor Fan Quantity		2	
Outdoor Fan Type		Propeller	
Outdoor Fan Drive Type		Direct	

Outside Air and Filtration

Filtration	
Filter size	(8)20x24x2 throwaway

Field Installed Accessories

Condenser coil hail guard
Horizontal Duct Conversion Kit

Physical data

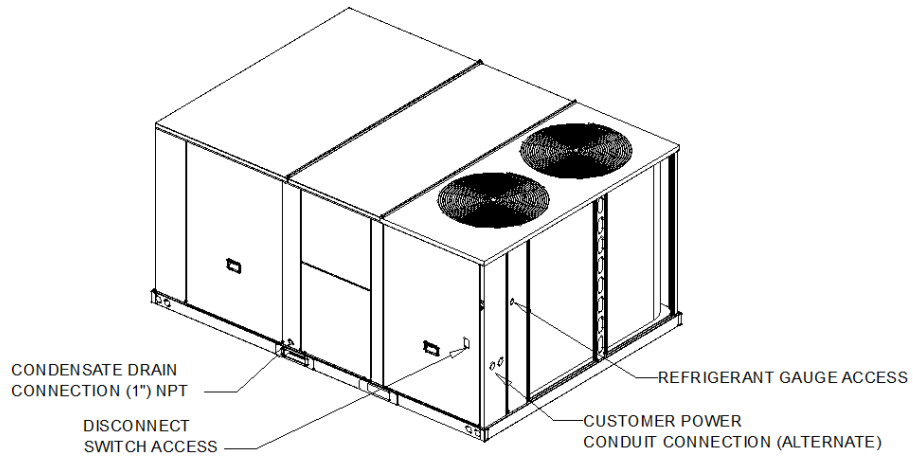
Evaporator Rows	2
Evaporator Fin Spacing	216 Per Foot
Evaporator Face Area	23.93 sq ft
Evaporator Face Velocity	418 ft/min

Warranties

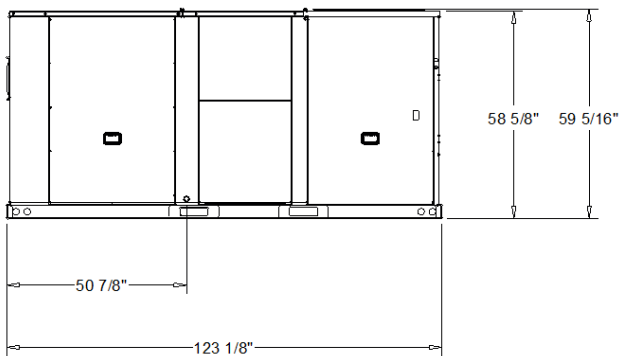
2nd Yr parts warranty less compr
1st Year Labor warranty

Publication

Trane Select Assist Version Number	2608
Data generation date	09/09/2026

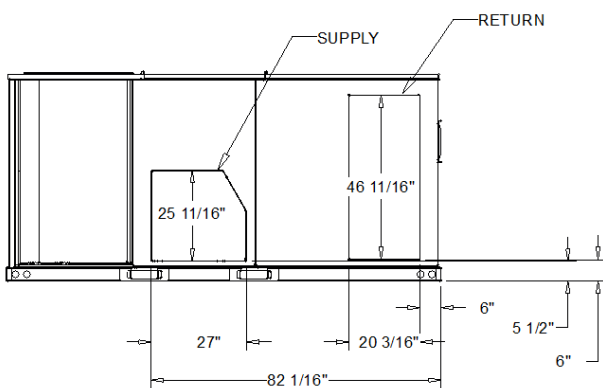


PACKAGED COOLING HORIZONTAL
DIMENSION DRAWING

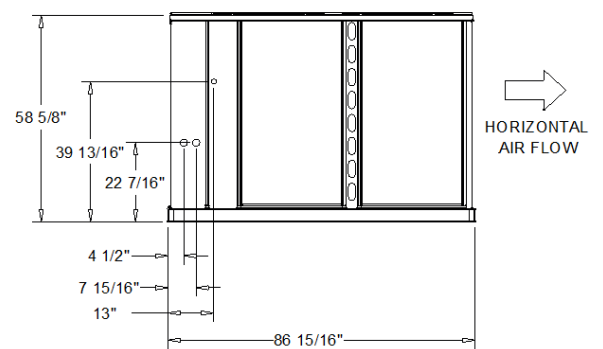


- NOTES:
1. THRU -THE -BASE ELECTRICAL IS NOT STANDARD ON ALL UNITS.
 2. VERIFY WEIGHT, CONNECTIONS, AND ALL DIMENSIONS WITH INSTALLER DOCUMENTS BEFORE INSTALLATION

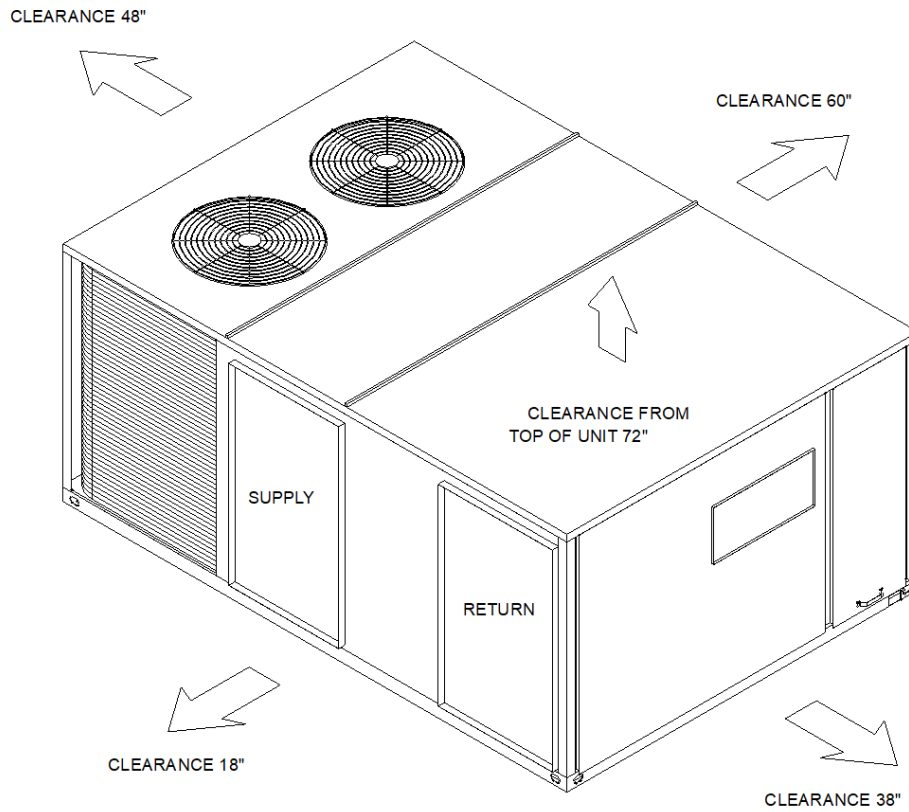
FRONT VIEW OF UNIT
DIMENSION DRAWING



BACK VIEW OF UNIT
DIMENSION DRAWING



RIGHT SIDE VIEW OF UNIT
DIMENSION DRAWING



HORIZONTAL ISOMETRIC-PACKAGED COOLING WITH ELECTRIC CLEARANCE

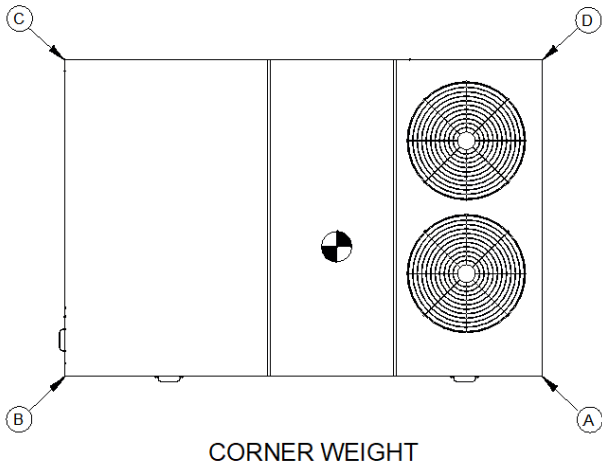


INSTALLED ACCESSORIES NET WEIGHT DATA

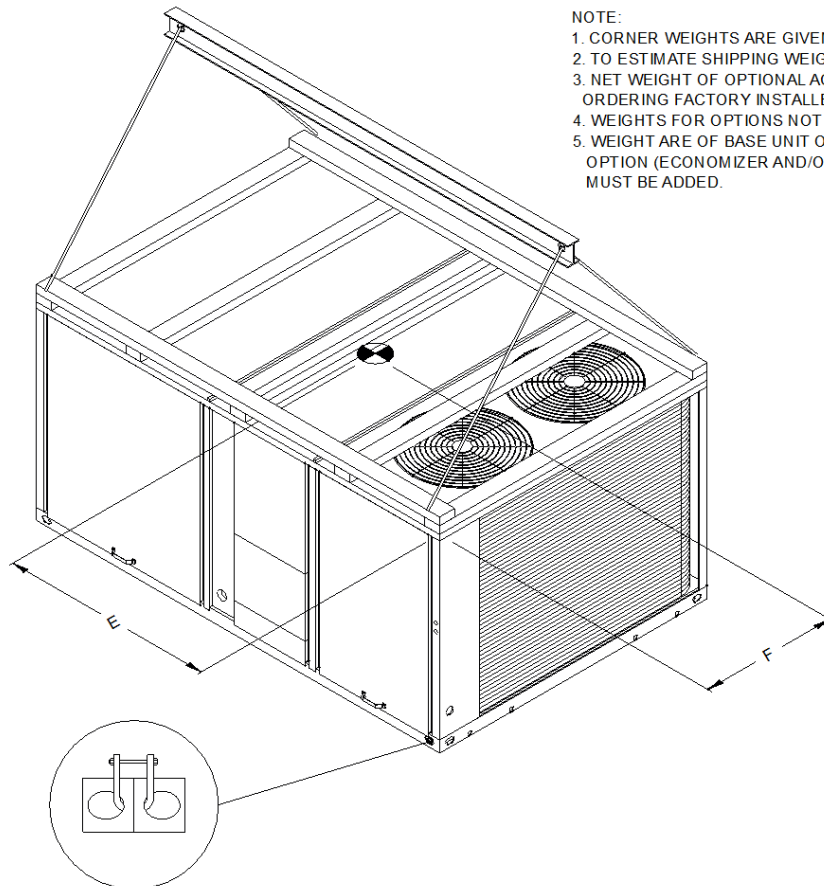
ACCESSORY				WEIGHTS			
ECONOMIZER							
MOTORIZED OUTSIDE AIR DAMPER							
MANUAL OUTSIDE AIR DAMPER							
HEATER							
OVERSIZED MOTOR							
MULTI-SPEED WITH DRIVE				65.0 lb			
THROUGH THE BASE ELECTRICAL							
BAROMETRIC							
ROOF CURB							
POWER EXHAUST							
HAIL GUARD				43.0 lb			
STATIC DRIVE							
DISCONNECT							
BASE UNIT WEIGHTS		CORNER WEIGHTS			CENTER OF GRAVITY		
SHIPPING	NET	(A)	664.0 lb	(C)	492.0 lb	(E) LENGTH	(F) WIDTH
2221.0 lb	1860.0 lb	(B)	492.0 lb	(D)	379.0 lb	55"	36"

NOTE:

1. CORNER WEIGHTS ARE GIVEN FOR INFORMATION ONLY.
2. TO ESTIMATE SHIPPING WEIGHT OF OPTION/ACCESSORIES ADD 5 LBS TO NET WEIGHT.
3. NET WEIGHT OF OPTIONAL ACCESSORIES SHOULD BE ADD TO UNIT WEIGHT WHEN ORDERING FACTORY INSTALLED ACCESSORIES.
4. WEIGHTS FOR OPTIONS NOT LISTED ARE < 5 LBS.
5. WEIGHT ARE OF BASE UNIT ONLY. FOR TOTAL WEIGHT, 10 DIGIT FACTORY INSTALLED OPTION (ECONOMIZER AND/OR OVERSIZED MOTOR OR FIOP/ACCESSORY WEIGHT MUST BE ADDED.



CORNER WEIGHT



RIGGING AND CENTER OF GRAVITY



15 - 25 Ton General

The units shall be dedicated downflow or horizontal airflow. The operating range shall be between 115°F and 40°F in cooling as standard from the factory for all units. Cooling performance shall be rated in accordance with AHRI testing procedures. All units shall be factory assembled, internally wired, fully charged with R-454B, and 100 percent run tested to check cooling operation, fan and blower rotation and control sequence, before leaving the factory. Wiring internal to the unit shall be colored and numbered for simplified identification. Units shall be UL listed and labeled, classified in accordance to UL 1995/C 22.2, 236-05 5rd Edition. Unit shall be furnished with a leak detection system from the factory. The leak detection system shall consist of one or more refrigerant detection sensors. When the system detects a leak, the unit controller shall initiate mitigation actions.

15 - 25 Ton Casing

Unit casing shall be constructed of zinc coated, heavy gauge, galvanized steel. Exterior surfaces shall be cleaned, phosphatized, and finished with a weather-resistant baked enamel finish. Unit's surface shall be tested 672 hours in a salt spray test in compliance with ASTM B117. Cabinet construction shall allow for all maintenance on one side of the unit. In order to ensure a water and air tight seal, service panels shall have lifting handles and no more than three screws to remove. All exposed vertical panels and top covers in the indoor air section shall be insulated with a 1/2", 1.0 lbdensity foil-faced, fire-resistant, permanent, odorless, glass fiber material. The base of the downflow unit shall be insulated with 1/2", 1.0 lbdensity foil-faced, closed-cell material. The downflow unit base pan shall have no penetrations within the perimeter of the curb other than the raised 1 1/8"high supply/return openings to provide an added water integrity precaution, if the condensate drain backs up. The base of the unit shall have provisions for forklift and crane lifting.

15 - 25 Ton Compressors

All units shall have direct-drive, hermetic, scroll type compressors with centrifugal type oil pumps. Motor shall be suction gas-cooled and shall have a voltage utilization range of plus or minus 10 percent of nameplate voltage. Internal overloads shall be provided with the scroll compressors. All models shall have phase monitors and low and high pressure control as standard.

15 - 25 Ton Controls

Unit shall be completely factory wired with necessary controls and contactor pressure lugs or terminal block for power wiring. Unit shall provide an external location for mounting a fused disconnect device.

15 - 25 Ton Discharge Line Thermostat

A bi-metal element discharge line thermostat is installed as a standard option on the discharge line of each system. This standard option provides extra protection to the compressors against high discharge temperatures in case of loss of charge, extremely high ambient and other conditions which could drive the discharge temperature higher. Discharge line thermostat is wired in series with high pressure control. When the discharge temperature rises above the protection limit, the bi-metal disc in the thermostat switches to the off position, opening the 24 Vac circuit. When the temperature on the discharge line cools down, the bi-metal disc closes the contactor circuit, providing power to the compressor.

15 - 25 Ton Evaporator and Condenser Coils

Microchannel coils will be burst tested by the manufacturer. Internally finned, 5/16" copper tubes mechanically bonded to a configured aluminum plate fin shall be standard for evaporator coils. Microchannel condenser coils shall be standard on all units. Coils shall be leak tested to ensure the pressure integrity. The evaporator coil and condenser coil shall be leak tested to 225 psig and pressure tested to 450 psig. Sloped condensate drain pans are standard.

15 - 25 Ton Filters

2" standard filters shall be factory supplied on all units.

15 - 25 Ton High Pressure Control

All units include High Pressure Cutout as standard.

**15 - 25 Ton Indoor Fan**

Units above shall have belt driven, FC centrifugal fans with adjustable motor sheaves. Units with standard motors shall have an adjustable idler-arm assembly for quick-adjustment of fan belts and motor sheaves. All motors shall be thermally protected. Oversized motors shall be available for high static application. All indoor fan motors meet the U.S. Energy Policy Act of 1992 (EPACT).

15 - 25 Ton Low Pressure Control

All units include Low Pressure Cutout as standard.

15 - 25 Ton Outdoor Fans

The outdoor fan shall be direct-drive, statically and dynamically balanced, draw-through in the vertical discharge position. The fan motor(s) shall be permanently lubricated and shall have builtin thermal overload protection.

15 - 25 Ton Phase Monitor

The Phase Monitor is a three-phase line monitor module that protects against phase loss, phase reversal and phase unbalance. It is intended to protect compressors from reverse rotation. It has an operating input voltage range of 190-600 Vac, and LED indicators for ON and FAULT. There are no field adjustments and the module will automatically reset from a fault condition.

15 - 25 Ton Refrigerant Circuits

Each refrigerant circuit shall have independent fixed orifice, service pressure ports, and refrigerant line filter driers factory installed as standard. An area shall be provided for replacement suction line driers.

15 - 25 Ton Unit Top

The top cover shall be double hemmed and gasket sealed to prevent water leakage.

15 - 25 Ton Multi-Speed Indoor Fan System

Multi-speed indoor fan system is designed for use in applications for meeting the minimum requirement of CA Title 24. This system incorporates a multi-speed fan control to change the speed of the fan to 66% of full airflow based off of compressor stages.

15 - 25 Ton Tool-less Hail Guards - Field Installed

Tool-less, hail protection quality coil guards are available for condenser coil protection.