

ComfortStar®

Air Conditioning & Heating Products



Light Commercial Rooftop Package Unit

208/230V, 3Ph, 60Hz

Model: CRT7-90TT

ComfortStar®



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Submittal Data Sheet

Light Commercial Rooftop Package Unit Capacity:7.5Ton

Model (AC)			CRT7-90TT
Power Supply			208/230V~60HZ,3Ph
Cooling Capacity	KBtu/h		86
	kW		25.2
Power Input	kW		7.41
EER	Btu/h/W		11.6
Max.input consumption	W		8,600
Max.current	A		28
Indoor fan air flow	CFM		3,000
ESP	in.wg/Pa		0-250
Outdoor Sound Rating(BELS)			8.4
Compressor	Type		Scroll
	Quantity		2
Indoor coil			Micro-channel
Outdoor coil			Micro-channel
Indoor fan	Type		Centrifugal
	Drive type		Belt
	Quantity		1
Outdoor fan	Type		Axial
	Drive type		Direct
	Quantity		2
Refrigerant Type			R454B
Refrigerant Volume	Circle A/B	lbs	3.75/3.09
Filters	Type Furnished		Disposable
	Number Size Recommended		(4)20*20*2
Operation Ambient Temperature		°F	0-125
Net Dimensions(W×H×D)		inch	88.6×48.8×59.1
Packing Dimensions(W×H×D)		inch	89.4×50.2×59.6
Loading Quantity per 20GP/40GP/40HC			3/7/14
Standard motor (weight)			
Unit weight(lb)			917(416kg)
Shipping Weight(lb)			979(444kg)
Standard motor (weight)			
Unit weight(lb)			913(414kg)
Shipping Weight(lb)			974(442kg)
Oversize motor(weight)			
Unit weight(lb)			919(417kg)
Shipping Weight(lb)			981(445kg)

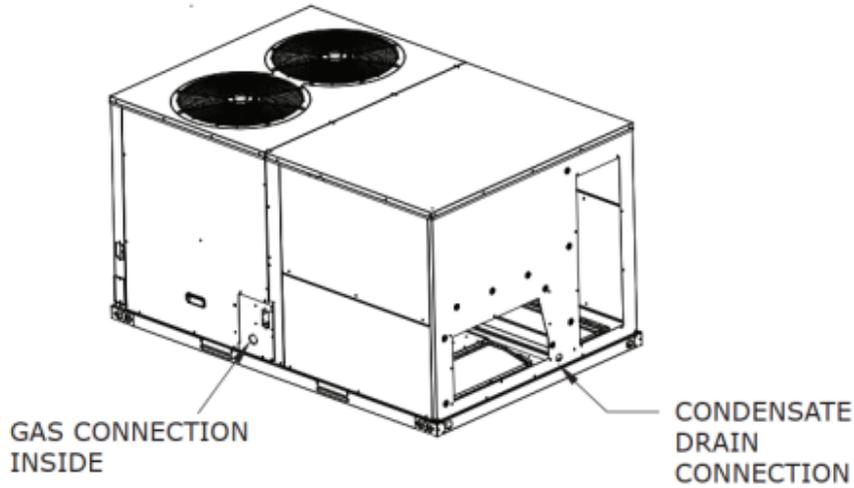
Features:

- Wide operating range:
Cooling Ambient temp.: -0°F~125°F
Heating Ambient temp.: -40°F~86°F
- ETL and AHRI certification
- Dual-stage, High efficiency compressor
- DC outdoor Motor
- VFD+pulley design
- Micro-channel heat exchanger
- High static, Oversize motor model can be customized
- Electric heater optional
- Condensation water flow switch option
- High altitude kit option 7- speed fan control.
- Compatible with local 24V wired controller
- Horizontal/vertical air duct connect
- Multi-function PCB, LED display, Error code showing
- Compatible with filed accessory: Curb/Economizer/Hail guard

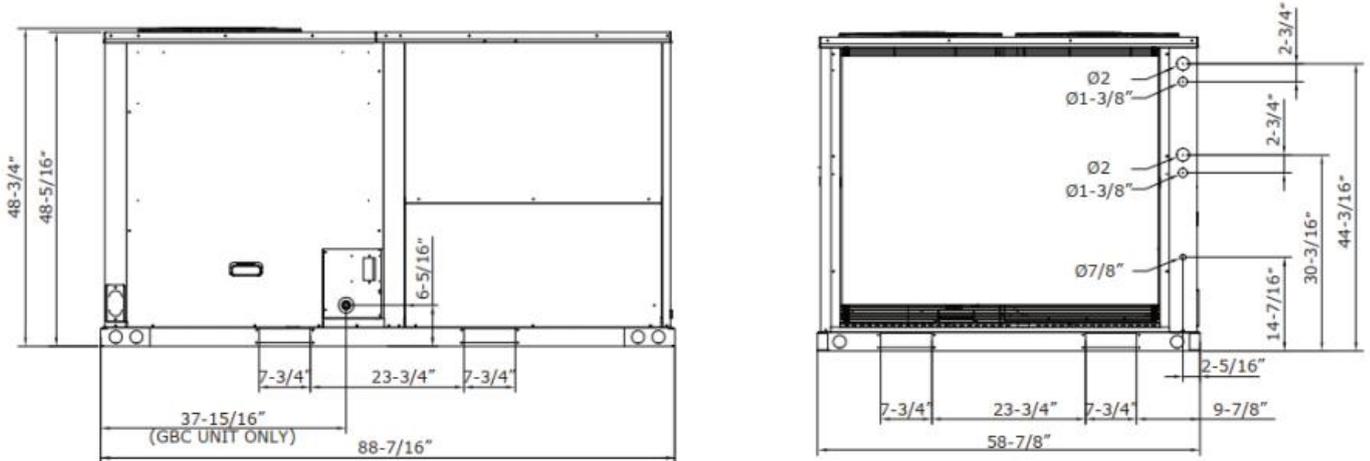
Dimensions:

(Unit: in(mm))

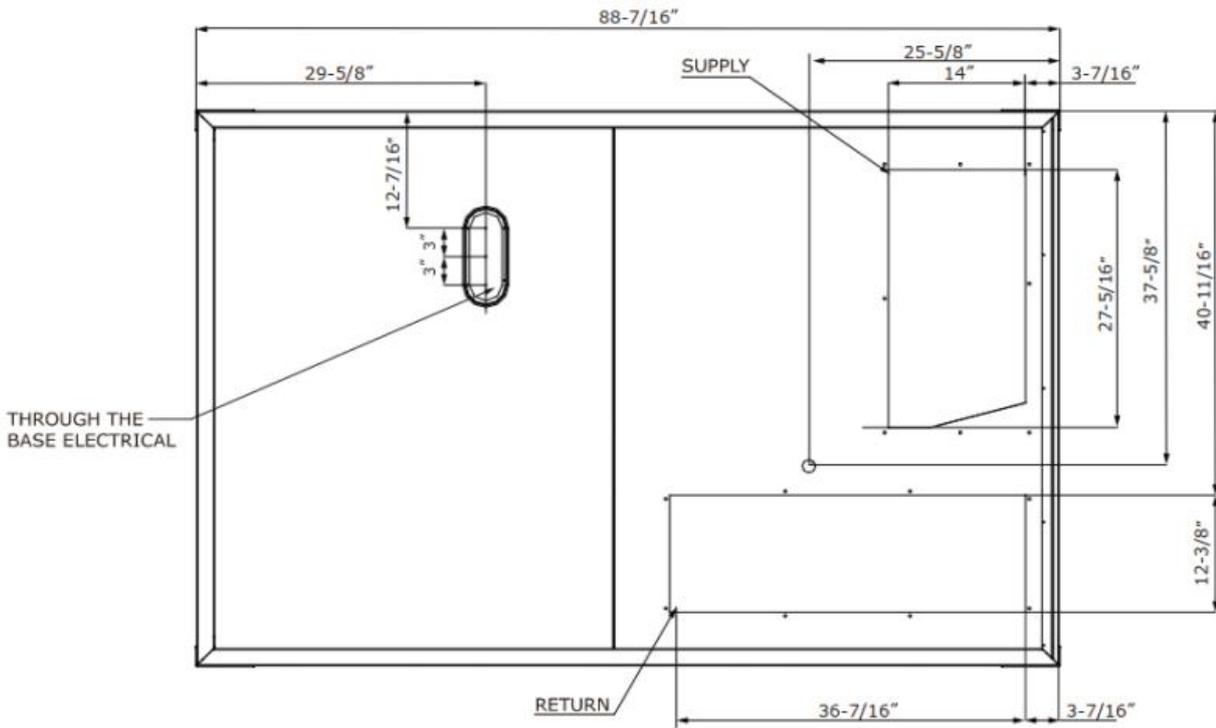
Units – overview



Units – front and side views (in inches)



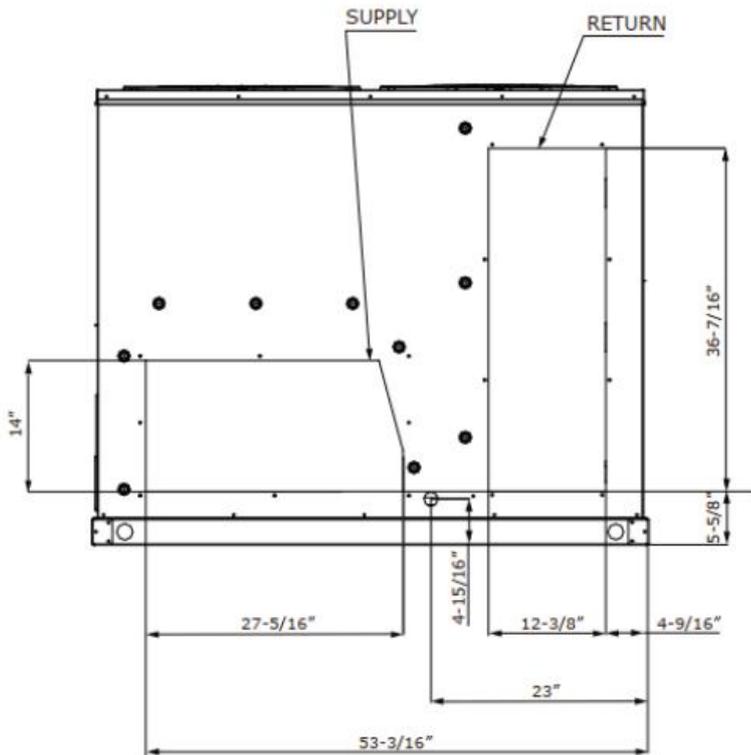
Units – bottom view (in inches)



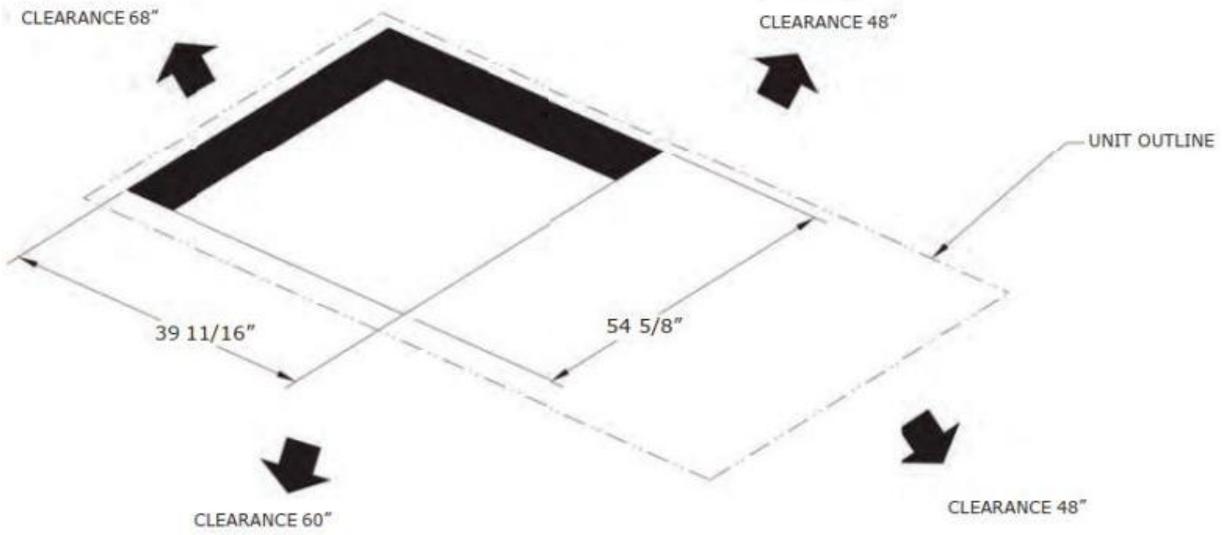
NOTES:

1. THROUGH THE BASE GAS AND ELECTRICAL IS NOT STANDARD ON ALL UNITS.
2. VERIFY WEIGHT, CONNECTION, AND ALL DIMENSION WITH INSTALLER DOCUMENTS BEFORE INSTALLATION.

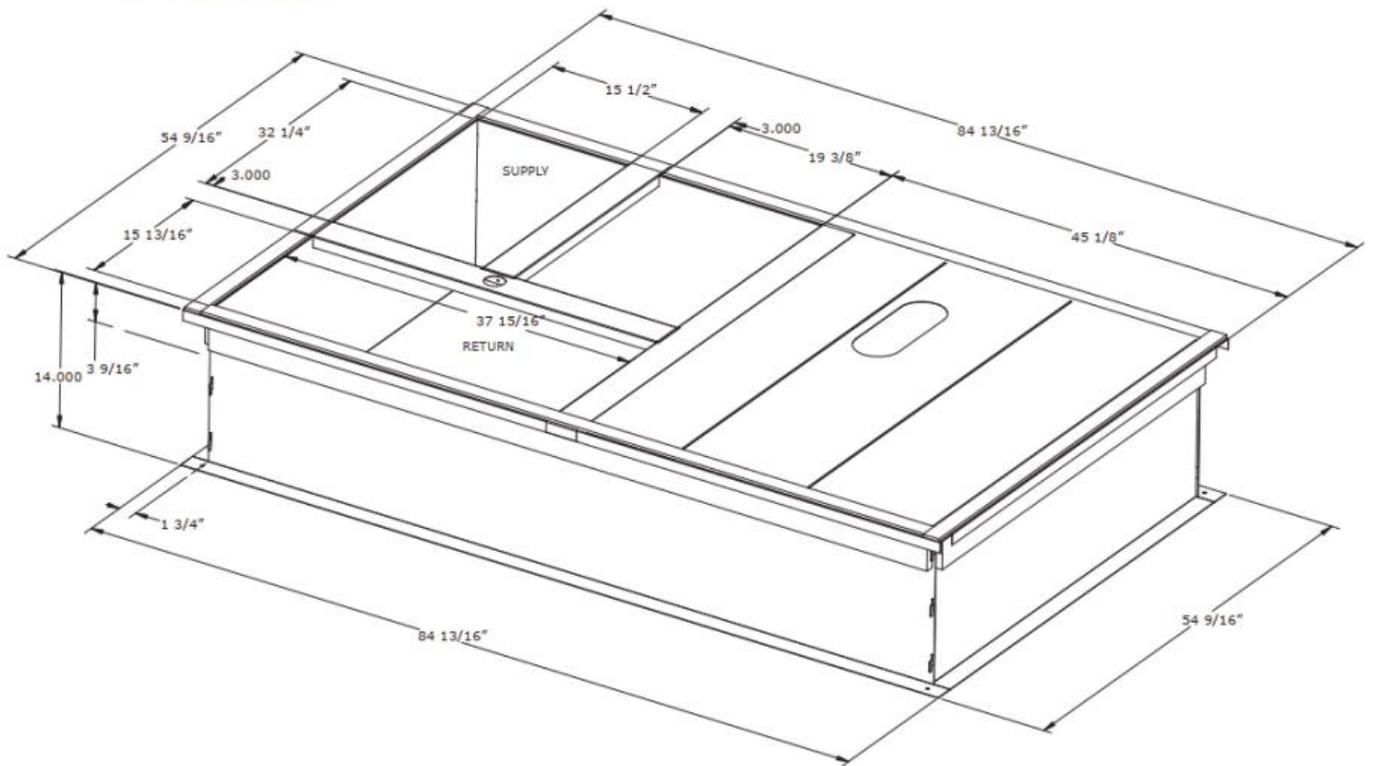
Foundation units – back view (horizontal configuration) (in inches)



Downflow unit clearance (in inches)

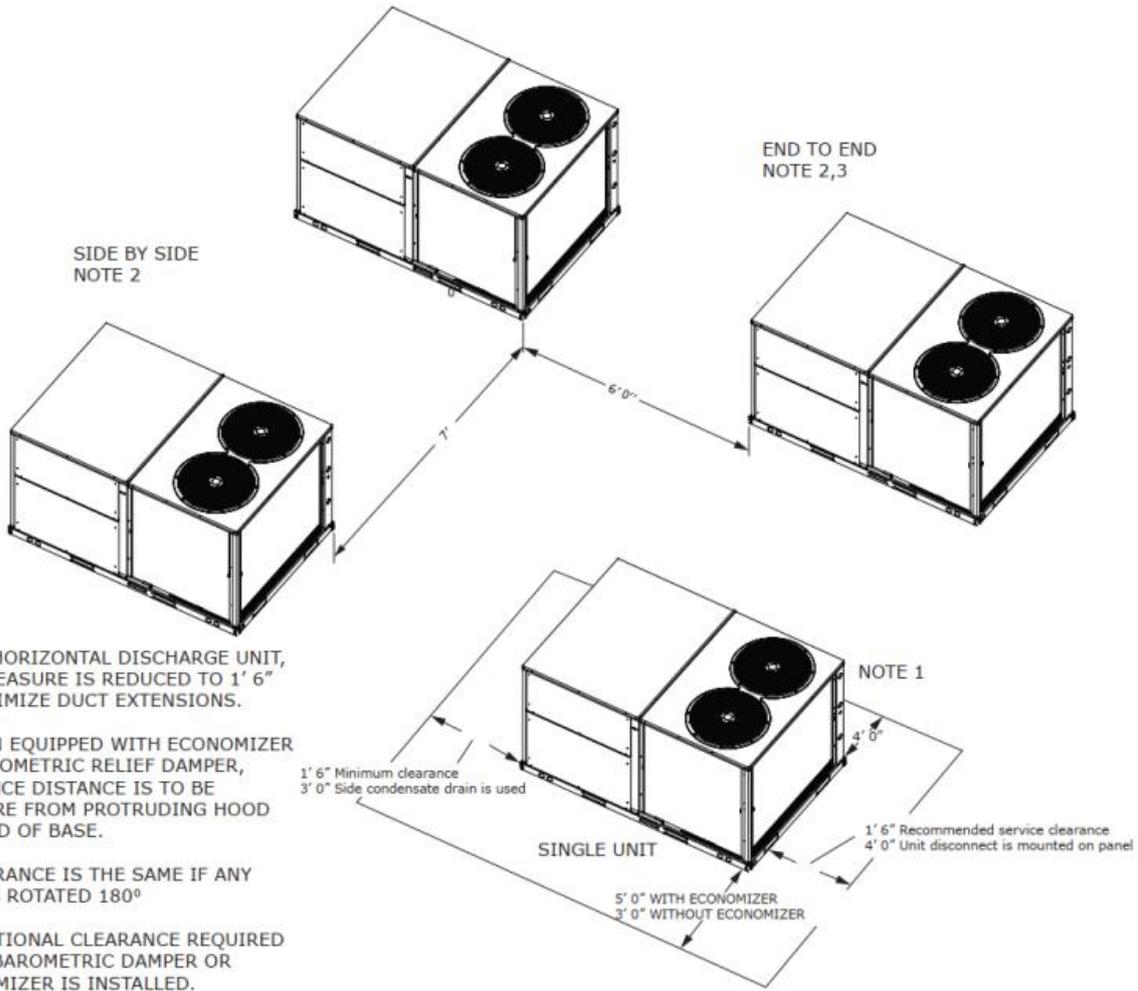


Roof curb (in inches)



Installation Space Requirements:

(Unit: inch)



NOTES:

1. FOR HORIZONTAL DISCHARGE UNIT, THIS MEASURE IS REDUCED TO 1' 6" TO MINIMIZE DUCT EXTENSIONS.

2. WHEN EQUIPPED WITH ECONOMIZER OR BAROMETRIC RELIEF DAMPER, CLERANCE DISTANCE IS TO BE MEASURED FROM PROTRUDING HOOD INSTEAD OF BASE.

3. CLEARANCE IS THE SAME IF ANY UNIT IS ROTATED 180°

3. ADDITIONAL CLEARANCE REQUIRED WHEN BAROMETRIC DAMPER OR ECONOMIZER IS INSTALLED.