

ComfortStar®

Air Conditioning & Heating Products



Light Commercial Rooftop Package Unit

208/230V, 3Ph, 60Hz

Model: CRT7-102TT

ComfortStar®

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Submittal Data Sheet

Light Commercial Rooftop Package Unit Capacity:8.5Ton

Model (AC)			CRT7-102TT
Power Supply			208/230V~60HZ,3Ph
Cooling Capacity	KBtu/h		104
	kW		30.5
Power Input	kW		9.29
EER	Btu/h/W		11.2
Max.input consumption	W		11,100
Max.current	A		37
Indoor fan air flow	CFM		3,500
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	4.30/3.86
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)			955(433kg)
Shipping Weight(lb)			1016(461kg)
Standard motor (weight)			
Unit weight(lb)			950(431kg)
Shipping Weight(lb)			1012(459kg)
Oversize motor(weight)			
Unit weight(lb)			966(438kg)
Shipping Weight(lb)			1027(466kg)

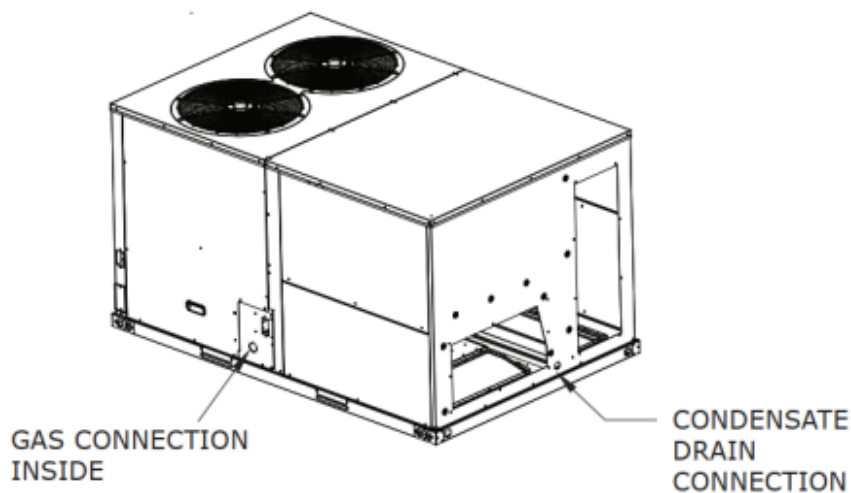
Features:

- 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 attitude 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 field accessory: Curb/Economizer/Hail guard

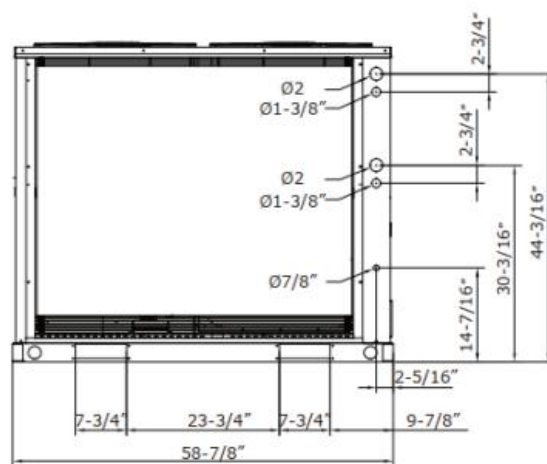
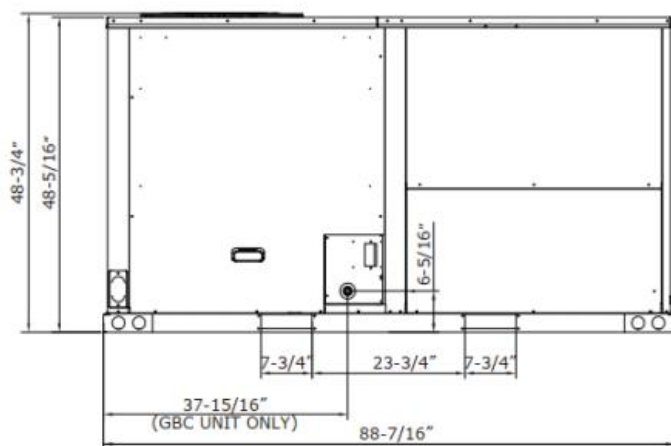
Dimensions:

(Unit: in(mm))

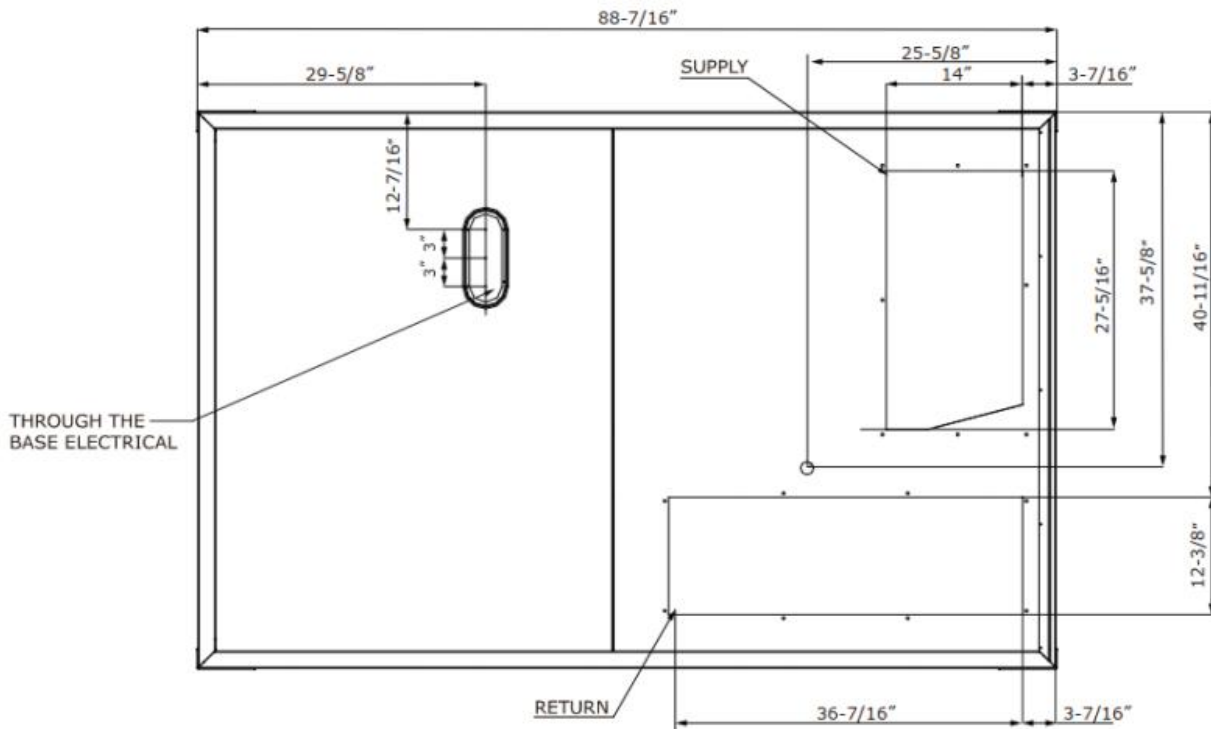
Units — overview



Units — front and side views (in inches)



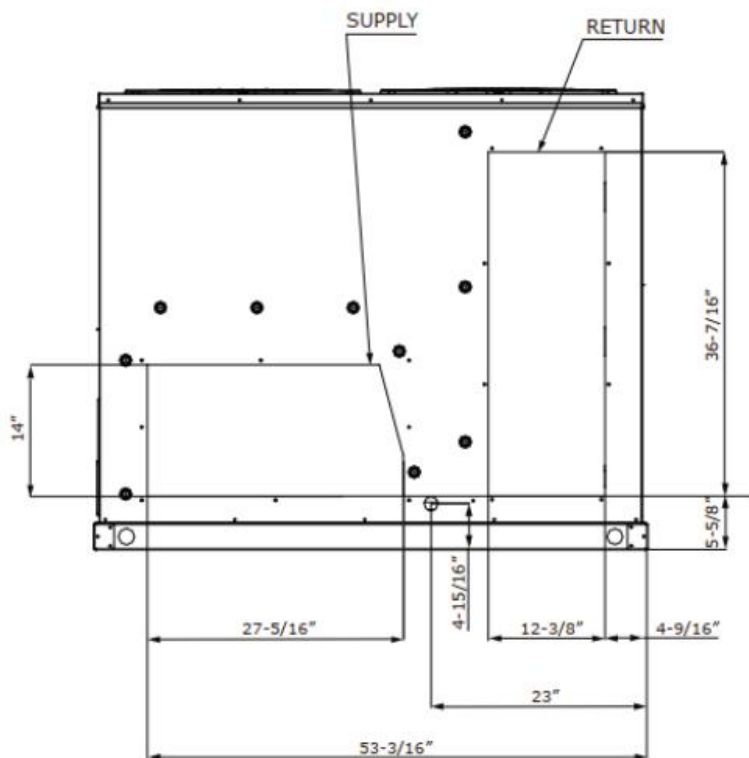
Units — bottom view (in inches)



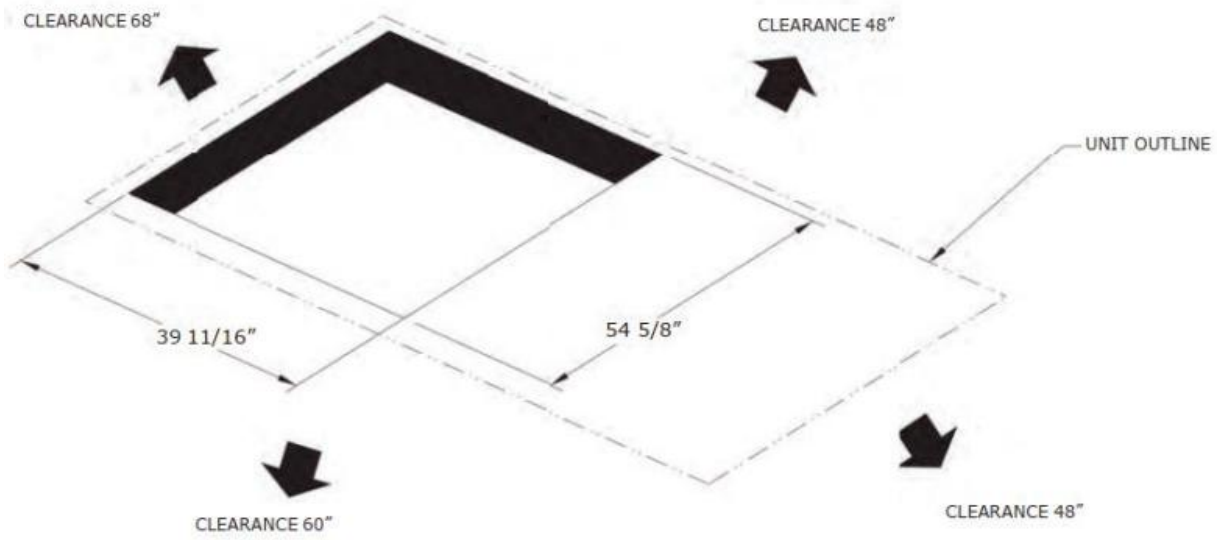
NOTES:

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.

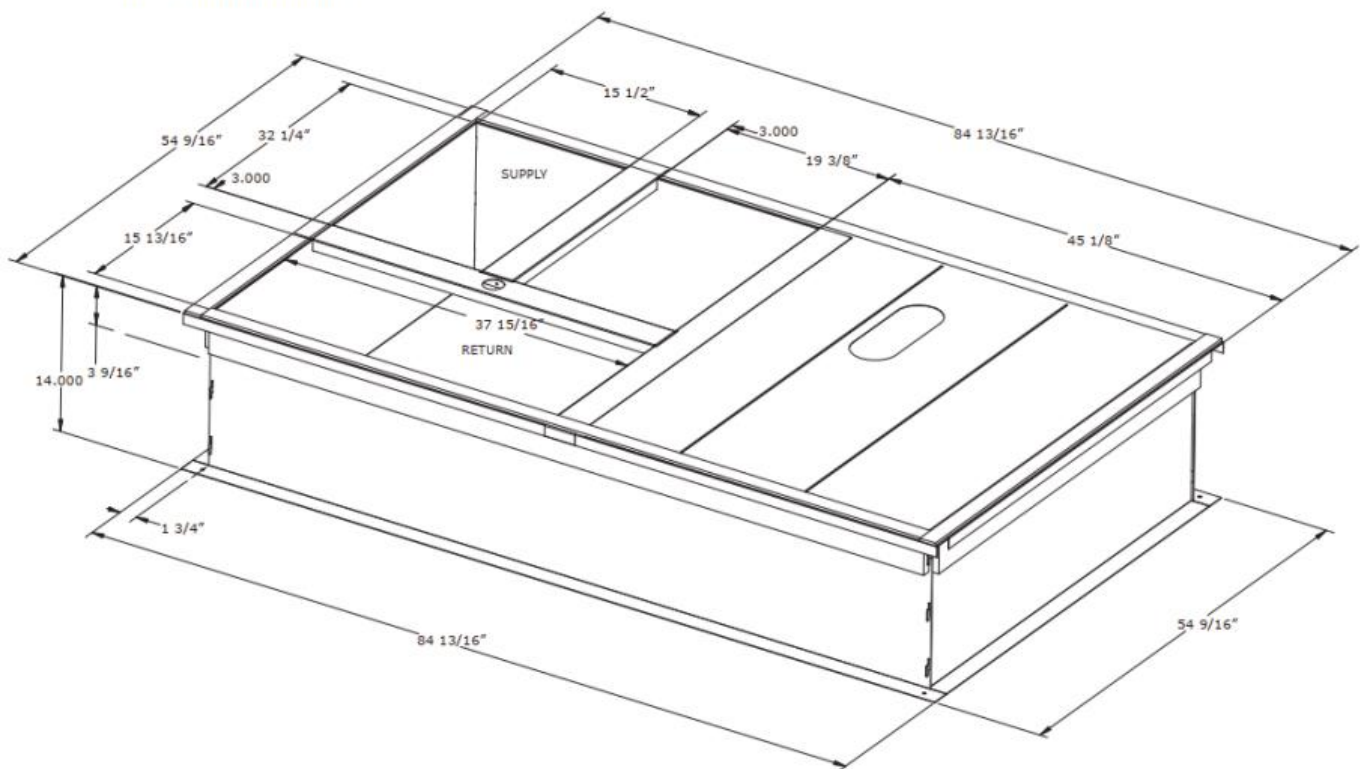
Foundation units — back view (horizontal configuration) (in inches)



Downflow unit clearance (in inches)



Roof curb (in inches)



Installation Space Requirements:

(Unit: inch)

