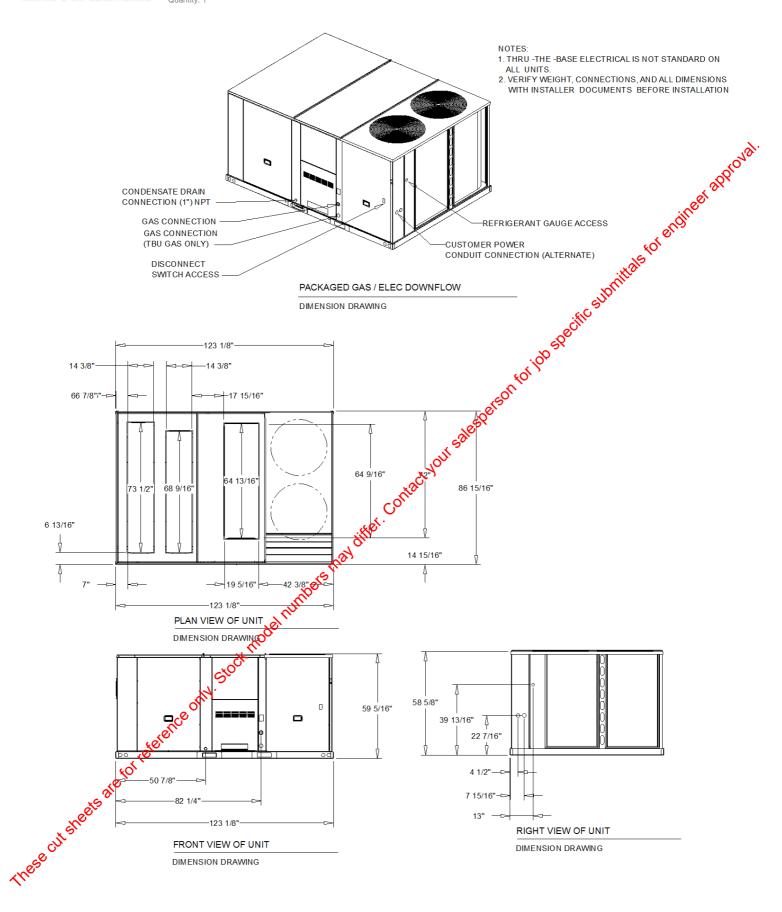


Foundation Gas/Electric Rooftop

Application	Unit Size	Supply Fan		External Dimensions (in		ns (in.)	Operating Wei		leight EER	IEER/SEER	Elevation		
Gas/Electric	25 Ton	Airflow	External Static Pressure	Height	Width	Length	Minimum	Maximum	9.8 EER	11.40			
		10000 cfm	0.500 in H2O	4.94 ft	7.24 ft	10.26 ft	2050.0 lb	2464.0 lb			ć		
Unit Fea	tures										, 3PP1		
	strical							/	/2		neer		
Unit Elec		se/hertz 208	-230/60/3				-			le l)		
	onage/pria	MCA 133								1510.			
MOP 175.00 A								in march		It an			
									1pr	-			
							• •		- 40°				
							_		cilli				
								્રક		and the second s			
								ion					
Controls	:							40 ¹					
Controls				Unit Cont	rols Electro-	mechanical	Se	<u>,</u> ,					
				Unit Com		mechanica	sper						
Cooling	Section						Sale						
		ing Dry Bulb	80.00 F			Ċ	J	Сара	acity				
		ng Wet Bulb				x Y		Gross Total	288.53 MBh	1			
		nbient Temp				x a C	Gro	ss Sensible	211.33 MBh	1			
Leaving Coil Dry Bulb 60.61 F						con		Net Total	266.45 MBh	1			
Leaving Coil Wet Bulb 57.98 F						Net Sensible 189.25 MBh							
Leaving Unit Dry Bulb 62.92 F						e-mechanical Contact V Gross Total Capacity Gross Total Capacity Gross Sensible 211.33 MBh Net Total 266.45 MBh Net Sensible 189.25 MBh Refrig Charge-circuit 1 10.5 lb Refrig Charge-circuit 2 256.00 MBh 256.00 MBh							
	Leaving U	nit Wet Bulb	58.86 F		and i		Refrig Chai	rge-circuit 2	10.5 lb				
Heating	Section				STU								
			0	utput Heat	ng Capacity	256.00 MBh	1						
			Output Hea				l						
				уу _/ , н	leating EAT								
			~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	<u>о</u> - н	leating LAT								
			A MC	Heating	J Temp Rise	23.59 F							
Fan Sect	tion		Stor										
		Indoor	Data					Outdoor	Fan Data				
			FC Centrifug	al	_				Propeller	_	_		
		Drive		<b>J G I</b>			F	an Quantity					
		Indoor Fan F				Drive Type Direct							
Airflow 10000 cfm							Outdoor Fan Performance						
Design ESP 0.500 in H2O							Condens	ser Fan FLA	9.60 A				
Component SP 0.000 in H2O								Exhaust	Fan Data				
<b>Total SP</b> 0.500 in H2O						Type FC Centrifugal							
Indoor fotor Operating Power 6.51 bhp						Drive Type Direct Exhaust Fan Performance							
Indoor Motor Power 4.85 kW										e			
se cut st.		Indoor RPM	1029 rpm				Exhau	ust Fan FLA	24.20 A				
	ssor Sec	tion											
	330F 360												
Compres			<b>RLA</b> 50.50 A										







#### ELECTRICAL / GENERAL DATA

odel: GBC300		Oversized Motor	HEATING - GENERAL DATA				
Unit Operating Voltage: Unit Primary Voltage: Unit Secondary Voltage Unit Hertz: Unit Phase:	- 208 230 60 3	MCA: MFS: MCB:	Heating Model: Heating Input (BTU): Heating Output (BTU): No. Burners: No. Stages	Medium 320000/224000 256000/179200 8 2			
EER: IEER One Speed Fan: IEER Multi Speed Fan:	11.0 12.4		'Gas Inlet Pressure Natural Gas (Min/Max):	4.5 / 14.0 in. wc	at 3091		
Standard Motor		Field Installed Oversized Motor	LP (Min/Max) Gas Pipe Connection Size:	11.0 / 14.0 in. wc 3/4"	80		
MCA: MFS: MCB:	133.0 175.0 175.0	MCA: MFS: MCB:		Eield Installed Oversized Mor			
INDOOR MOTOR				nitte			
Standard Motor		Oversized Motor		Field Installed Oversized Notor			
Number: 1   Horsepower: 7.50   Motor Speed (RPM): 3450   Phase 3   Full Load Amps: 24.2   Locked Rotor Amps: 150.0		Number: Horsepower: Motor Speed (RPM): Phase Full Load Amps: Locked Rotor Amps:		Number: Horsepower: Motor Speed (Fort): Phase Full Load Amps: Locked Over Amps:			
COMPRESSOR Circuit	1/2/3			5 ⁷			
Number: 2 Horsepower: - Phase: 3 Rated Load Amps: 50.5/35 Locked Rotor Amps: 245.0/2			Number: Horsepower: 0 Motor Speed (RPN 1125 Phase: 3 Full Load Amts: (11) 9.6 Locked Roto Amps: -				
POWER EXHAUST ACCES (Field Installed Power Exhaust)		FILTERS	Contact	REFRIGERANT ⁽²⁾ Type: R-410A			
Phase: Horsepower: Motor Speed (RPM): Full Load Amps: Locked Rotor Amps:		Furnished: Number	ifirowaway les 0"x25"x2"	Factory Charge: Circuit #1 12.5 lb / 7.3 lb Circuit #2			

NOTES:

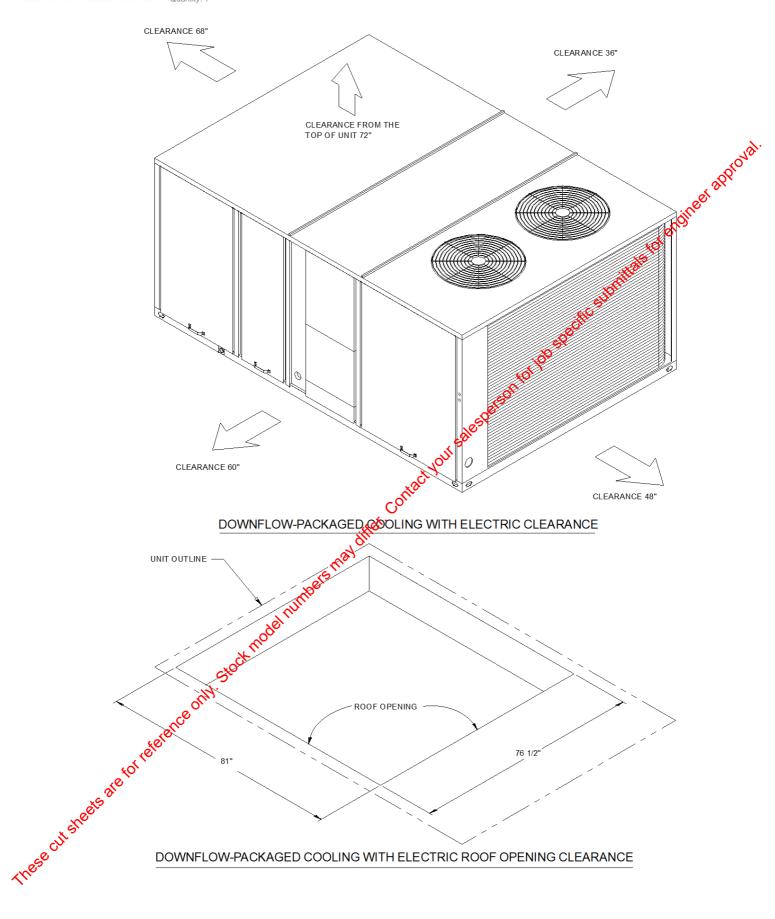
 Maximum (HACR) Circuit Breaker sizing is for installations in the United States only.
Refrigerant charge is an approximate value. For a more process value, see unit nameplate and service instructions.
Value does not include Power Exhaust Accessory. model

4. Value does not include Heater.

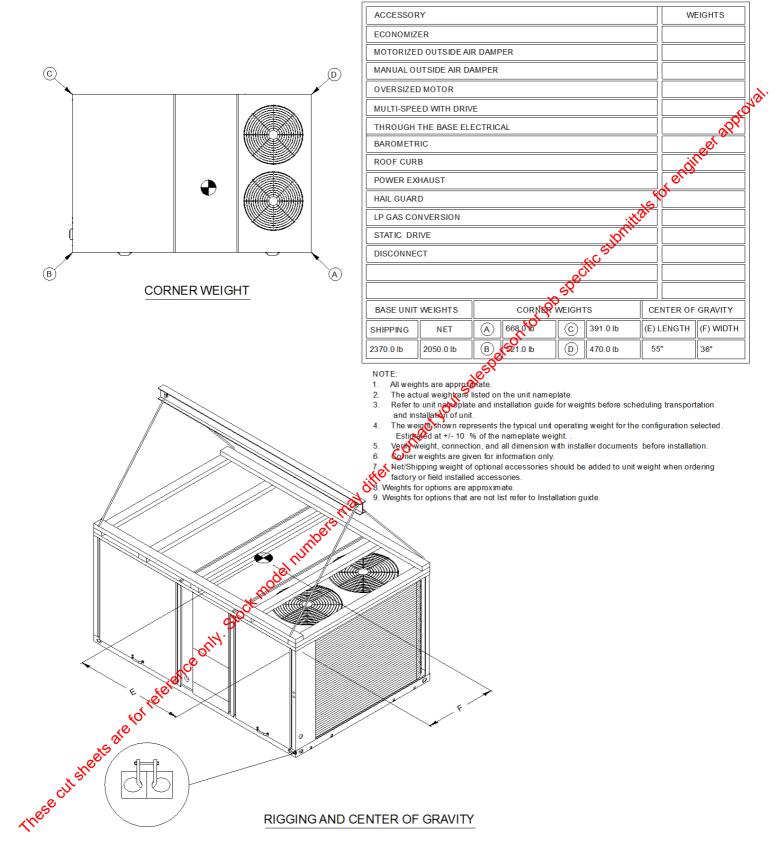
Value does not include reater.
Value include Standard Motor.
Value include Standard Motor
Value include Oversized Motor
EER is rated at AHRI conditions and in accordance with DOE test procedures.
For Compressor Motors and Condense on Motors: Amp draw for each motor; multiply value by number of motors to determine total amps.

 9. HP for each compressor.
10. Integrated Energy Efficiency RatificER) is rated in accordance with AHRI standard 210/240 or 360.
11. Full Load Amps (FLA) are the Onbined amps for outdoor motors. these cut sheets are for reference









#### INSTALLED ACCESSORIES NET WEIGHT DATA



# 15 thru 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 ARI testing procedures. All units shall be factory assembled, internally wired, fully charged with R-410A, 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 3rd Edition.

## 15 thru 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", 40 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's base pan shall have no penetrations within the perimeter of the curb other than the raised 1 1/2" 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 thru 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 thru 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 thru 25 Ton Discharge Line Thermostat

A bi-metal element discharge line thermostates 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 thru 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 integraty. 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 thru 25 Ton Filters

Two inch standard filters shall be factory supplied on all units.

#### 15⁶thru 25 Ton Gas Heating Section

A he heating section shall have a progressive tubular heat exchanger design. An induced draft combustion blower shall be used to pull the combustion products through the firing tubes. The heater shall use a direct spark ignition (DSI) system. On initial call for heat, the combustion blower shall purge the heat exchanger for 20 seconds before ignition. After three unsuccessful ignition attempts, the entire heating system shall be locked out until manually reset at the thermostat. Units shall be suitable for use with natural gas or propane (field-installed kit) and also comply with the California requirement for low NOx emissions (Gas/Electric Only).



# 15 thru 25 Ton High Pressure Control

All units include High Pressure Cutout as standard.

# 15 thru 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 guick-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 thru 25 Ton Low Pressure Control

All units include Low Pressure Cutout as standard.

## 15 thru 25 Ton Outdoor Fans

igineer app 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 thru 25 Ton Phase Monitor

The Phase Monitor is a three-phase line monitor module that protects against shase 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 thru 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 thru 25 Ton Unit Top

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