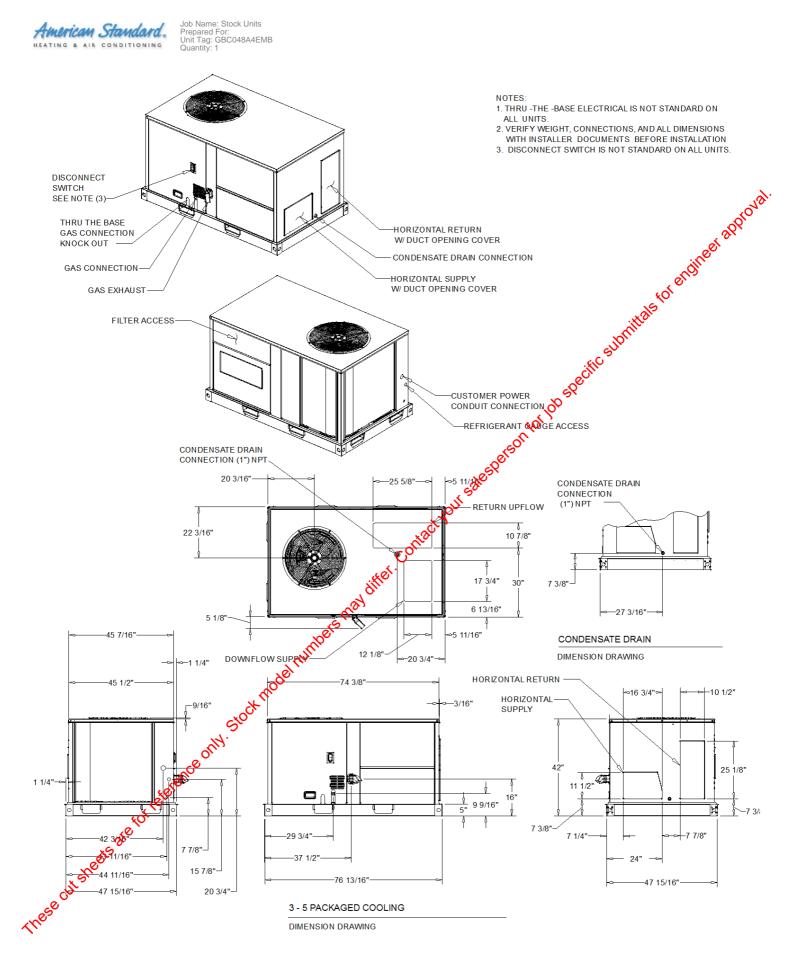


Foundation Gas/Electric Rooftop

Application	Unit Size	Supply Fan		External Dimensions (in.)			Operating Weight		EER	IEER/SEER						
Gas/Electric		Airflow	External Static Pressure	Height	Width	Length	Minimum	Maximum	12.0 EER	14.00						
		1600 cfm	0.500 in H2O	3.55 ft	3.99 ft	6.40 ft	566.0 lb	765.0 lb			ć					
Unit Fea	tures								- Free		appr					
										1	neel					
Unit Ele		se/hertz 460	/60/3					1	-	en ^o	5					
	onuge, priu	MCA 11.0								40. S						
		MOP 15.0								tals						
									ndu	, It's						
									ifics							
Controls	S							55	e .							
				Unit Cont	rols Electro-	mechanical		10 ¹ /0 ¹								
Cooling	Section						,c	or								
	Enteri	ng Dry Bulb	80.00 F				oet.	Capa	acity							
		ng Wet Bulb				Length Minimum Maximum 12.0 EER 14.00 6.40 ft 566.0 lb 765.0 lb 12.0 EER 14.00 Image: Colspan="2">Image: Colspan="2" Image:										
	Am	nbient Temp	95.00 F				Gro Gro	ss Sensible	38.52 MBh							
		oil Dry Bulb				, c	jui l	Net Total	48.75 MBh							
	-	oil Wet Bulb				15	N	let Sensible	35.97 MBh							
		nit Dry Bulb				200	Refrig Cha	rge-circuit 1	4.6 lb							
	Leaving Ur	nit Wet Bulb	57.52 F			Cox.										
Heating	Section				differ											
					ing Capacity	92.00 MDH										
			Output Hea		ity with Fan											
					leating LAT											
					Temp Rise											
			an Data	Reaning	J Temp Rise	55.00 F										
				р.				Outdoor	Fan Data							
Fan Sec	tion	Indoor F	an Data							Outdoor Fan Data Type Propeller						
Fan Sec	tion	Indoor F Type			_											
Fan Sec	tion	Туре	FC Centrifug				F	Туре	Propeller							
Fan Sec		Type Drive Type	FC Centrifug Belt	al			F	Type an Quantity	Propeller 1							
Fan Sec		Type Drive Type Indoor Fand	FC Centrifug Belt	al				Туре	Propeller 1 Direct	ce						
Fan Sec		Type Drive Type Indoor Fand Airflow	FC Centrifug Belt	al			c	Type an Quantity Drive Type	Propeller 1 Direct Performanc	Ce						
Fan Sec		Type Drive Type Indoor Fand Airflow Design ESP	FC Centrifug Belt Provide the second	al			c	Type an Quantity Drive Type Outdoor Fan Ser Fan FLA	Propeller 1 Direct Performanc	ce						
Fan Sec	Cor	Type Drive Type Indoor Fand Airflow Design ESP noonent SP	FC Centrifug Belt 1600 cfm 0.500 in H2C	al)			c	Type an Quantity Drive Type Outdoor Fan Ser Fan FLA Exhaust	Propeller 1 Direct Performano 0.70 A							
	Cor	Type Drive Type Indoor Fand Airflow Design ESP noonent SP	FC Centrifug Ber 1600 cfm 0.500 in H2C 0.000 in H2C 0.500 in H2C	al)			c	Type an Quantity Drive Type Outdoor Fan Ser Fan FLA Exhaust	Propeller 1 Direct Performano 0.70 A Fan Data FC Centrifu							
Indoor	Cor Motor Operation	Type Drive Type Indoor Fand Airflow Design ESP noonent SP Total SP ating Power	FC Centrifug Belf Informance 1600 cfm 0.500 in H2C 0.000 in H2C 0.500 in H2C 0.54 bhp	al)			C Condens	Type an Quantity Drive Type Dutdoor Fan Ser Fan FLA Exhaust Type	Propeller 1 Direct Performand 0.70 A Fan Data FC Centrifu Direct	gal						
Indoor	Cor Motor Operation	Type Drive Type Indoor Fand Airflow Design ESP noonent SP Total SP ating Power	FC Centrifug Belf 1600 cfm 0.500 in H2C 0.000 in H2C 0.500 in H2C 0.500 in H2C 0.54 bhp 0.40 kW	al)			C Condens E	Type an Quantity Drive Type Outdoor Fan Ser Fan FLA Exhaust Type Drive Type	Propeller 1 Direct Performand 0.70 A Fan Data FC Centrifu Direct Performand	gal						
Indoor	Cor Motor Operation	Type Drive Type Indoor Fand Airflow Design ESP noonent SP Total SP ating Power	FC Centrifug Belf 1600 cfm 0.500 in H2C 0.000 in H2C 0.500 in H2C 0.500 in H2C 0.54 bhp 0.40 kW	al)			C Condens E	Type an Quantity Drive Type Outdoor Fan Ser Fan FLA Exhaust Type Drive Type Exhaust Fan	Propeller 1 Direct Performand 0.70 A Fan Data FC Centrifu Direct Performand	gal						
Indoor	Cor Motor Opera Inger N	Type Drive Type Indoor Fand Airflow Design ESP noonent SP Total SP ating Power	FC Centrifug Belf 1600 cfm 0.500 in H2C 0.000 in H2C 0.500 in H2C 0.500 in H2C 0.54 bhp 0.40 kW	al)			C Condens E	Type an Quantity Drive Type Outdoor Fan Ser Fan FLA Exhaust Type Drive Type Exhaust Fan	Propeller 1 Direct Performand 0.70 A Fan Data FC Centrifu Direct Performand	gal						





Job Name: Stock Units Prepared For: Unit Tag: GBC048A4EMB Quantity: 1

ELECTRICAL / GENERAL DATA

/odel:	GBC048	Oversized Motor	HEATING - GENERAL DATA	
Modei: Unit Operating Voltage: Unit Primary Voltage: Unit Secondary Voltage Unit Hertz: Unit Phase:	- 460 - 60 3	MCA: MFS: MCB:	Heating Model: Heating Input (BTU): Heating Output (BTU): No. Burners: No. Stages	Medium 115000 / 92000 92000 / 73600 3 2
EER: IEER One Speed Fan:	12 / 14 -		ʿGas Inlet Pressure Natural Gas (Min/Max):	4.5 / 14.0 in. wc
IEER Multi Speed Fan: Standard Motor	-	Field Installed Oversized Motor	LP (Min/Max) Gas Pipe Connection Size:	11.0 / 14.0 in. wc 11.0 / 14.0 in. wc 1/2"
MCA: MFS: MCB:	11.0 15.0 15.0	MCA: MFS: MCB:		115000 / 92000 92000 / 73600 3 2 4.5 / 14.0 in. wc 11.0 / 14.0 in. wc 1/2"
INDOOR MOTOR				mitto
Standard Motor		Oversized Motor		Field Installed Oversized Netor
Number: 1 Horsepower: 1.0 Motor Speed (RPM): - Phase 3 Full Load Amps: 2.0 Locked Rotor Amps: 15.0		Number: Horsepower: Motor Speed (RPM): Phase Full Load Amps: Locked Rotor Amps:	1	Number: Horsepower: Motor Speed (Rom): Phase Full Load Amps: Locked Over Amps:
COMPRESSOR Circuit 1	1/2			50,
Number: 1 Horsepower: 5.4 Phase: 3 Rated Load Amps: 6.2/6.9 Locked Rotor Amps: 41.0			Number: 2.33 Motor Speed (RPIN) - Phase: 0.7 Full Load Amps: 0.7 Locked RoboAmps: 2.3	
POWER EXHAUST ACCES (Field Installed Power Exhaust)	SORY ⁽³⁾	FILTERS	Contact	REFRIGERANT ⁽²⁾ Type: R-410A
Phase: Horsepower: Motor Speed (RPM): Full Load Amps: Locked Rotor Amps:		Furnished: Number	firowaway es 6"x16"x2"	Factory Charge: Circuit #1 4.6 lb Circuit #2

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

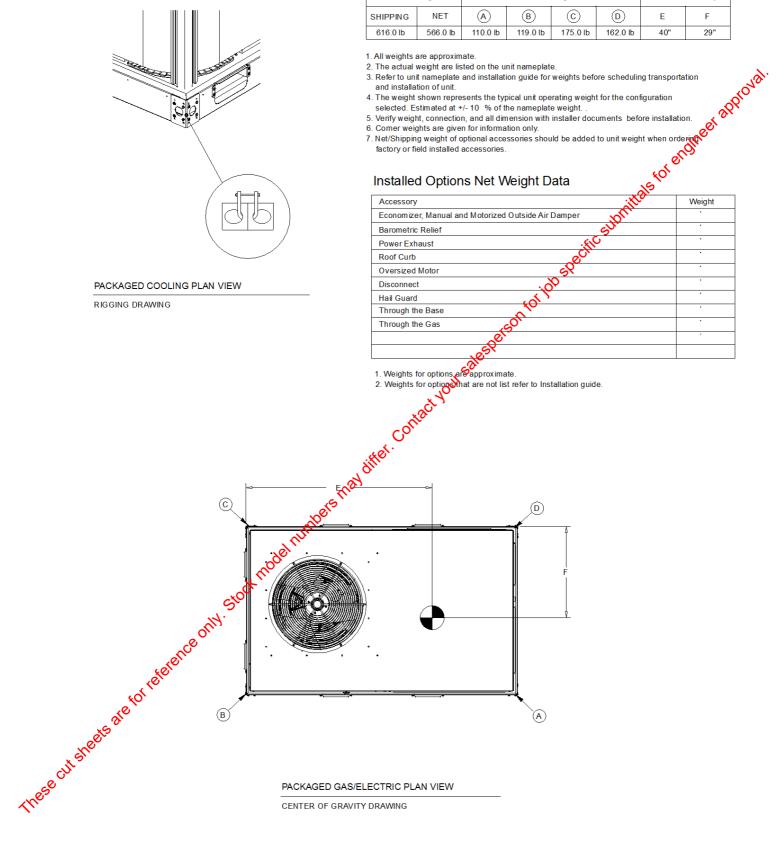
4. Value does not include Heater.

Value does not include react.
Value include Standard Motor.
Value include Standard Motor
Value include Oversized Motor
EER is rated at AHRI conditions and in accourance with DOE test procedures.
For Compressor Motors and Condenser an 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



Job Name: Stock Units Prepared For: Unit Tag: GBC048A4EMB Quantity: 1



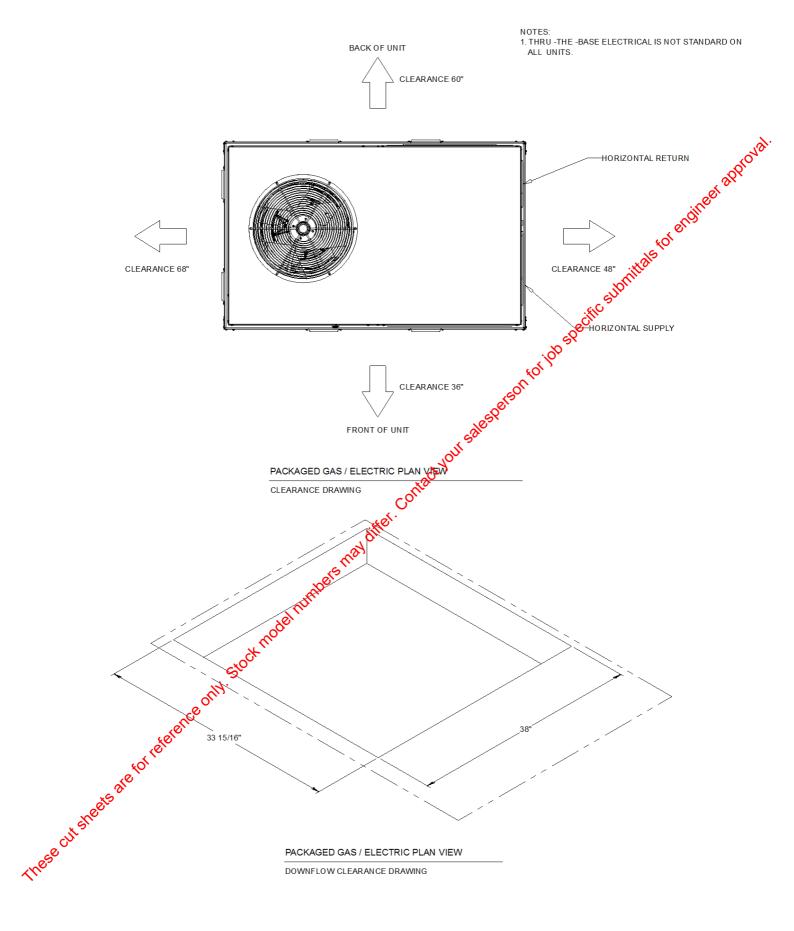
Base unit	weights		Corner	Center of Gravity			
SHIPPING	NET	A	В	C	D	E	F
616.0 lb	566.0 lb	110.0 lb	119.0 lb	175.0 lb	162.0 lb	40"	29"

Base Unit and Corner Weights only

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Job Name: Stock Units Prepared For: Unit Tag: GBC048A4EMB Quantity: 1





3 thru 5 Ton General

The units shall be convertible from downflow or horizontal airflow. The operating range shall be between 125.0 F and 40.0 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 5rd Edition.

3 thru 5 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 four screws to remove. All exposed vertical panels and top covers in the indoor air section shall be insulated with a 1/2", 1.0 lb density foil-faced, fire-resistant, permanent, dorless, glass fiber material. The base of the downflow unit's 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.

3 thru 5 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.

3 thru 5 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.

3 thru 5 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.

3 thru 5 Ton Evaporat@and Condenser Coils

Microchannel coils will be burst tested by the manufacturer. 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.

3 thru 5 Ton Filters

Two inclusions shall be factory supplied on all units.

3 thru 5 Ton Gas Heating Section

The heating section shall have a 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 Heat Only).

3 thru 5 Ton High Pressure Control

All units include High Pressure Cutout as standard.



3 thru 5 Ton Indoor Fan

Units above shall have belt driven, FC centrifugal fans with adjustable 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).

3 thru 5 Ton Low Pressure Control

All units include low pressure cutout as standard.

3 thru 5 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 built in thermal overload protection.

3 thru 5 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 FAUST. There are no field adjustments and the module will automatically reset from a fault condition.

3 thru 5 Ton Refrigerant Circuits

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

3 thru 5 Ton Unit Top

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