



Air Conditioning & Heating

GCG COMMERCIAL

Cooling Capacity: 260,000 BTU/h
Heating Capacity: 360,000 BTU/h

THREE-PHASE PACKAGED GAS UNIT 25 TONS

■ Contents

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25-TON UNITS HAVE TWO FANS.

■ Standard Features

- Patented tubular heat exchanger
- High-efficiency scroll compressor
- Aluminum micro-channel indoor coil on 25-ton units
- 25-ton units contain two outdoor fans
- Copper tube / aluminum fin coils
- High- and low-pressure switches
- High-capacity, steel-cased filter drier
- 24-volt terminal strip
- Contactor with lugs

■ Cabinet Features

- Heavy-gauge, galvanized-steel cabinet with UV-resistant powder-paint finish
- Condenser hail guards
- Full perimeter rail
- Built-in filter rack with standard 2" filters (convertible to 4" filters)
- Sloped drain pan



		G	C	G	300	360	E	B	*	*	*	A	*																																
		1	2	3	4,5,6	7,8,9	10	11	12	13	14	15	16																																
REVISION LEVELS Major & Minor																																													
FACTORY-INSTALLED OPTIONS																																													
BRAND		G Goodman																																											
CONFIGURATION		C Commercial																																											
APPLICATION		C Cooling G Gas Heat H Heat Pump																																											
NOMINAL COOLING CAPACITY		<table border="1"> <tr> <td>036</td> <td>3 Tons</td> <td>090</td> <td>7½ Tons</td> <td>180</td> <td>15 Tons</td> </tr> <tr> <td>048</td> <td>4 Tons</td> <td>102</td> <td>8½ Tons</td> <td>240</td> <td>20 Tons</td> </tr> <tr> <td>060</td> <td>5 Tons</td> <td>120</td> <td>10 Tons</td> <td>300</td> <td>25 Tons</td> </tr> <tr> <td>072</td> <td>6 Tons</td> <td>150</td> <td>12½ tons</td> <td></td> <td></td> </tr> </table>												036	3 Tons	090	7½ Tons	180	15 Tons	048	4 Tons	102	8½ Tons	240	20 Tons	060	5 Tons	120	10 Tons	300	25 Tons	072	6 Tons	150	12½ tons										
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VOLTAGE		E 400/3/50 (For Argentina Only)																																											
SUPPLY FAN/DRIVE TYPE/MOTOR		<table border="1"> <tr> <td>B</td> <td>Belt Drive (single speed)</td> <td>V</td> <td>Two-Speed Belt Drive</td> </tr> <tr> <td>D</td> <td>Direct Drive</td> <td>H</td> <td>High-Static Belt Drive</td> </tr> </table>												B	Belt Drive (single speed)	V	Two-Speed Belt Drive	D	Direct Drive	H	High-Static Belt Drive																								
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FACTORY-INSTALLED OPTIONS		X No Options A Downflow Economizer H Disconnect Switch (non-fused) J Downflow Economizer; Disconnect Switch (non-fused)																																											
Note: Not all options available for all products.																																													
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FACTORY-INSTALLED OPTIONS

- Stainless-Steel Heat Exchanger (DCG units only): A tubular heat exchanger made of 409-type stainless steel is installed in the unit.
- Low-Ambient Kit: Allows for cooling operation at lower outdoor temperatures. On the 3- to 6-ton units, cooling operation is extended from 60°F ambient temperature to 35°F outside air temperature. On 7½- to 20-ton units, cooling operation is extended from 35°F ambient temperature to 0°F outside air temperature.
- Economizers (Downflow): Based on air conditions, can provide outside air to cool the space.
- Electric Heat Kits (DCC and DCH units only): Available in all voltage options.
- Non-powered Convenience Outlet: A 120V, 15A, GFCI outlet makes it easier for technicians to service the unit once an electrician runs power to the outlet.
- Powered Convenience Outlet: A 120V, 15A, GFCI outlet powered with a transformer built into the unit. When a factory-installed powered convenience outlet is installed in the equipment, the unit MCA (Min. Circuit Ampacity) will increase by 7.5A for 208/230V units, increase by 3.75A for 460V units, and by 3A for 575V units. The MOP (Max. Overcurrent Protection) device must be sized accordingly.
- Disconnect Switch (non-fused): A disconnect switch is installed in the unit and factory wiring will be complete from the switch to the unit. Please note that for air conditioning (DCC units) and heat pump models (DCH units), the appropriate electric heat kit must be ordered to be factory-installed along with the disconnect switch (non-fused) when it is ordered. Please note that for models with a powered convenience outlet option and a disconnect switch (non-fused) option, the power to the powered convenience outlet will be shut off when the disconnect switch (non-fused) is in the off position.
- Return Air and/or Supply Air Smoke Detectors: Return air and/or supply air smoke detectors are installed in the unit.
- Two-speed indoor fan blower models are available on 7½, 8½, 10, 12½, 15, & 20-ton units. Section 6.4.3.10.b of ASHRAE Standard 90.1-2010 and Section 6.5.3.2.1.a of ASHRAE Standard 90.1-2013 require a minimum of two fan speeds. Section 140.4(m)1 of California Energy Commission Title 24 2013 contains a similar provision. When the units with the two-speed indoor fan blowers operate on a call for the first stage of cooling, the fan operates at low speed, which is 66% of full speed. When the units operate on a call for the second stage of cooling, the fan operates at full speed. In heating operation, the fan operates at full speed. During ventilation operation, the fan operates at low speed.
- High Static belt drive allows for operation in higher static applications.

	GCG300 360EB***A*
COOLING CAPACITY	
Total, BTU/h	260,000
Sensible BTU/h	173,000
EER / IEER	10.9
Decibels	92.3
HEATING CAPACITY	
High Input/Output (KBTU/h)	360/288
Low Input/Output (KBTU/h)	270/216
Steady State Efficiency	80
Temperature Rise Range (°F) High/Low	25-55/15-45
No. of Burners	8
EVAPORATOR MOTOR / COIL	
Motor Type (Belt Drive)	Std Static
Indoor Nominal CFM	7,700
Indoor Motor FLA (Cooling)	9.4
Horsepower - RPM	7.5-1745
Metering Device	TXV
Filter Size (#)	20 x 20 x 2 (8)
Drain Size (NPT)	1"
R-410A Refrigerant Charge Cir #s 1 & 2	215 & 198 Ozs
Evaporator Coil Face Area (ft²)	17.2
Rows Deep / Fins per Inch	2/15
BELT DRIVE EVAP FAN DATA	
# of Wheels (D x W)	2 (15" x 15")
Motor Sheave	1VP68 x 1 $\frac{3}{8}$ "
Blower Sheave	BK110 x 1 $\frac{7}{16}$ "
Belt	BX46
CONDENSER FAN / COIL	
Quantity of Condenser Fan Motors	2
Horsepower - RPM	1-950
Fan Diameter / # Fan Blades	30/2
Outdoor Nominal CFM	15,000
Face Area (ft²)	53.3
Rows Deep / Fins per Inch	2/27
COMPRESSOR	
Quantity / Type	2/Scroll
Compressor RLA / LRA CIR. #1	18.6/118.0
Compressor RLA / LRA CIR. #2	18.6/118.0
ELECTRICAL DATA	
Voltage / Phase / Frequency	400/3/50
Outdoor Fan FLA / LRA	2.6/11.7
Total Unit Amps	53.6
Min. Circuit Ampacity ¹	58.0
Max. Overcurrent Protection (amps) ²	70.0
Entrance Power Supply	2 $\frac{1}{8}$ "
Entrance Control Voltage	$\frac{7}{8}$ "
OPERATING WEIGHT (LBS)	2283
SHIP WEIGHT (LBS)	2513

¹ Wire size should be determined in accordance with National Electrical Codes. Extensive wire runs will require larger wire sizes.

² May use fuses or HACR-type circuit breakers of the same size as noted.

Note: Always check the S&R plate for electrical data on the unit being installed.

		65					75					85					95					105					115				
		OUTDOOR AMBIENT TEMPERATURE																													
IDB	AIRFLOW	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71		
6869	MBh	243.2	252.1	276.2	-	237.6	246.3	269.8	-	231.9	240.4	263.4	-	226.3	234.5	257.0	-	215.0	222.8	244.1	-	199.1	206.4	226.1	-	199.1	206.4	226.1	-		
	S/T	0.61	0.51	0.36	-	0.64	0.53	0.37	-	0.65	0.55	0.38	-	0.67	0.56	0.39	-	0.70	0.58	0.40	-	0.71	0.59	0.41	-	0.71	0.59	0.41	-		
	ΔT	20	17	13	-	20	18	13	-	20	18	13	-	20	18	13	-	20	17	13	-	19	16	12	-	19	16	12	-		
	kW	18.40	18.77	19.34	-	19.75	20.16	20.79	-	20.95	21.40	22.07	-	22.01	22.48	23.20	-	22.91	23.40	24.16	-	23.69	24.20	24.98	-	23.69	24.20	24.98	-		
	Amps	34.9	35.6	36.4	-	37.1	37.8	38.7	-	39.5	40.3	41.3	-	41.7	42.5	43.6	-	43.8	44.7	45.9	-	45.9	46.8	48.1	-	45.9	46.8	48.1	-		
7632	HI PR	258	278	294	-	290	312	330	-	330	355	375	-	376	404	427	-	423	455	480	-	467	502	531	-	467	502	531	-		
	LO PR	103	110	120	-	109	116	127	-	113	120	132	-	119	127	138	-	125	133	145	-	129	137	150	-	129	137	150	-		
	MBh	247.0	256.0	280.4	-	241.2	250.0	273.9	-	235.5	244.1	267.4	-	229.7	238.1	260.9	-	218.2	226.2	247.8	-	202.2	209.5	229.6	-	202.2	209.5	229.6	-		
	S/T	0.64	0.53	0.37	-	0.66	0.55	0.38	-	0.68	0.57	0.39	-	0.70	0.58	0.40	-	0.73	0.61	0.42	-	0.73	0.61	0.42	-	0.73	0.61	0.42	-		
	ΔT	19	16	12	-	19	17	13	-	19	17	13	-	19	17	13	-	19	16	13	-	18	15	12	-	18	15	12	-		
8395	kW	18.64	19.02	19.60	-	20.02	20.44	21.07	-	21.24	21.69	22.37	-	22.32	22.79	23.52	-	23.23	23.73	24.50	-	24.02	24.54	25.34	-	24.02	24.54	25.34	-		
	Amps	35.3	36.0	36.9	-	37.5	38.2	39.2	-	40.0	40.8	41.9	-	42.2	43.0	44.2	-	44.4	45.3	46.5	-	46.5	47.5	48.8	-	46.5	47.5	48.8	-		
	HI PR	263	283	299	-	295	317	335	-	336	361	381	-	382	411	434	-	430	463	489	-	475	511	540	-	475	511	540	-		
	LO PR	105	112	122	-	111	118	129	-	115	123	134	-	121	129	141	-	127	135	147	-	131	140	152	-	131	140	152	-		
	MBh	250.7	259.8	284.6	-	244.8	253.8	278.0	-	239.0	247.7	271.4	-	233.2	241.7	264.8	-	221.5	229.6	251.5	-	205.2	212.7	233.0	-	205.2	212.7	233.0	-		
8395	S/T	0.67	0.56	0.38	-	0.69	0.58	0.40	-	0.71	0.59	0.41	-	0.73	0.61	0.42	-	0.76	0.63	0.44	-	0.76	0.64	0.44	-	0.76	0.64	0.44	-		
	ΔT	18	16	12	-	18	16	12	-	18	16	12	-	19	16	12	-	18	16	12	-	17	15	11	-	17	15	11	-		
	kW	18.74	19.12	19.70	-	20.13	20.55	21.19	-	21.36	21.81	22.50	-	22.44	22.92	23.66	-	23.36	23.87	24.64	-	24.16	24.68	25.49	-	24.16	24.68	25.49	-		
	Amps	35.5	36.2	37.1	-	37.7	38.4	39.4	-	40.2	41.0	42.1	-	42.4	43.3	44.4	-	44.6	45.5	46.7	-	46.8	47.7	49.0	-	46.8	47.7	49.0	-		
	HI PR	265	285	301	-	297	320	338	-	338	364	384	-	385	414	437	-	433	466	492	-	478	515	544	-	478	515	544	-		
8395	LO PR	106	112	123	-	112	119	130	-	116	123	135	-	122	130	142	-	128	136	148	-	132	141	153	-	132	141	153	-		

IDB	OUTDOOR AMBIENT TEMPERATURE																															115														
	65					75					85					95					105					115																				
	ENTERING INDOOR WET BULB TEMPERATURE																																													
	AIRFLOW		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71												
			59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71												
6869	MBh	247.4	254.7	275.7	295.9	241.6	248.8	269.3	289.0	235.9	242.8	262.9	282.1	230.1	236.9	256.4	275.2	218.6	225.1	243.6	261.5	202.5	208.5	225.7	242.2	218.6	225.1	243.6	261.5	202.5	208.5	225.7	242.2													
	S/T	0.70	0.62	0.47	0.30	0.72	0.65	0.49	0.32	0.74	0.66	0.50	0.32	0.77	0.68	0.52	0.33	0.79	0.71	0.54	0.35	0.80	0.72	0.54	0.35	0.79	0.71	0.54	0.35	0.80	0.72	0.54	0.35													
	ΔT	23	21	17	12	23	22	18	12	23	22	18	12	24	22	18	12	23	21	18	12	22	20	16	11	23	21	18	12	22	20	16	11													
	kW	18.54	18.92	19.49	20.10	19.91	20.33	20.96	21.62	21.12	21.57	22.25	22.96	22.19	22.67	23.39	24.15	23.10	23.60	24.36	25.16	23.88	24.40	25.19	26.03	23.10	23.60	24.36	25.16	23.88	24.40	25.19	26.03													
	Amps	35.2	35.8	36.7	37.8	37.3	38.0	39.0	40.1	39.8	40.6	41.7	42.9	42.0	42.8	44.0	45.3	44.1	45.0	46.3	47.7	46.3	47.2	48.5	50.0	44.1	45.0	46.3	47.7	46.3	47.2	48.5	50.0													
7632	HI PR	261	281	297	309	293	315	333	347	333	359	379	395	379	408	431	450	427	459	485	506	472	508	536	559	427	459	485	506	472	508	536	559													
	LO PR	104	111	121	129	110	117	128	136	114	122	133	141	120	128	140	149	126	134	146	156	130	139	151	161	126	134	146	156	130	139	151	161													
	MBh	251.1	258.6	279.9	300.4	245.3	252.6	273.4	293.4	239.5	246.5	266.9	286.4	233.6	240.5	260.4	279.4	221.9	228.5	247.3	265.5	205.6	211.7	229.1	245.9	221.9	228.5	247.3	265.5	205.6	211.7	229.1	245.9													
	S/T	0.72	0.65	0.49	0.32	0.75	0.67	0.51	0.33	0.77	0.69	0.52	0.34	0.79	0.71	0.54	0.35	0.82	0.74	0.56	0.36	0.83	0.74	0.56	0.36	0.82	0.74	0.56	0.36	0.83	0.74	0.56	0.36													
	ΔT	22	20	17	11	22	20	17	12	22	20	17	12	22	21	17	12	22	20	17	11	21	19	16	11	22	20	17	11	21	19	16	11													
8395	kW	18.79	19.17	19.75	20.37	20.18	20.60	21.24	21.92	21.41	21.87	22.56	23.28	22.50	22.98	23.72	24.49	23.42	23.93	24.70	25.52	24.22	24.75	25.55	26.40	23.42	23.93	24.70	25.52	24.22	24.75	25.55	26.40													
	Amps	35.6	36.2	37.1	38.2	37.8	38.5	39.5	40.6	40.3	41.1	42.2	43.5	42.5	43.4	44.5	45.9	44.7	45.6	46.9	48.3	46.9	47.8	49.2	50.7	44.7	45.6	46.9	48.3	46.9	47.8	49.2	50.7													
	HI PR	266	286	302	315	298	321	339	353	339	365	385	402	386	415	439	458	434	467	494	515	480	516	545	569	434	467	494	515	480	516	545	569													
	LO PR	106	113	123	131	112	119	130	138	116	124	135	144	122	130	142	151	128	136	149	158	133	141	154	164	128	136	149	158	133	141	154	164													
	MBh	254.9	262.4	284.1	304.9	249.0	256.3	277.5	297.8	243.0	250.2	270.9	290.7	237.1	244.1	264.3	283.6	225.3	231.9	251.0	269.4	208.7	214.8	232.5	249.6	225.3	231.9	251.0	269.4	208.7	214.8	232.5	249.6													
75	S/T	0.76	0.68	0.51	0.33	0.78	0.70	0.53	0.34	0.80	0.72	0.54	0.35	0.83	0.74	0.56	0.36	0.86	0.77	0.58	0.37	0.87	0.78	0.59	0.38	0.86	0.77	0.58	0.37	0.87	0.78	0.59	0.38													
	ΔT	21	19	16	11	21	20	16	11	21	20	16	11	22	20	16	11	21	20	16	11	20	18	15	10	21	20	16	11	20	18	15	10													
	kW	18.89	19.27	19.86	20.48	20.29	20.72	21.36	22.04	21.53	21.99	22.68	23.42	22.63	23.11	23.85	24.63	23.56	24.07	24.84	25.66	24.36	24.89	25.70	26.55	23.56	24.07	24.84	25.66	24.36	24.89	25.70	26.55													
	Amps	35.8	36.4	37.3	38.4	38.0	38.7	39.7	40.9	40.5	41.3	42.4	43.7	42.7	43.6	44.8	46.1	45.0	45.9	47.1	48.6	47.1	48.1	49.4	51.0	45.0	45.9	47.1	48.6	47.1	48.1	49.4	51.0													
	HI PR	267	288	304	317	300	323	341	356	341	367	388	405	389	418	442	461	437	471	497	518	483	520	549	573	437	471	497	518	483	520	549	573													
75	LO PR	107	114	124	132	113	120	131	139	117	125	136	145	123	131	143	152	129	137	150	160	133	142	155	165	129	137	150	160	133	142	155	165													

		OUTDOOR AMBIENT TEMPERATURE										105										115										
		65					75					85					95					105					115					
IDB	AIRFLOW	59	63	67	71	75	59	63	67	71	75	59	63	67	71	75	59	63	67	71	75	59	63	67	71	75	59	63	67	71	75	
80	MBh	251.8	257.3	274.9	293.8	245.9	251.3	268.5	287.0	240.1	245.3	262.1	280.2	234.2	239.3	255.7	273.3	222.5	227.3	242.9	259.7	206.1	210.6	225.0	240.5	206.1	210.6	225.0	240.5	206.1	210.6	225.0
	S/T	0.77	0.72	0.58	0.4	0.79	0.74	0.61	0.45	0.81	0.76	0.62	0.5	0.84	0.79	0.64	0.48	0.87	0.82	0.67	0.5	0.88	0.82	0.67	0.5	0.88	0.82	0.67	0.5	0.88	0.82	0.67
	ΔT	26	25	22	17	26	25	22	17	26	25	22	17	26	25	22	18	26	25	22	17	24	23	20	16	24	23	20	16	24	23	20
	kW	18.68	19.07	19.65	20.3	20.07	20.49	21.12	21.79	21.29	21.74	22.43	23.2	22.37	22.85	23.58	24.35	23.29	23.79	24.56	25.4	24.08	24.60	25.40	26.24	24.08	24.60	25.40	26.24	24.08	24.60	25.40
	Amps	35.4	36.1	37.0	38.0	37.6	38.3	39.3	40.4	40.1	40.9	42.0	43.2	42.3	43.1	44.3	45.6	44.5	45.4	46.6	48.1	46.6	47.6	48.9	50.4	46.6	47.6	48.9	50.4	46.6	47.6	48.9
	Hi PR	264	284	300	312.6	296	318	336	351	337	362	382	398.9	383	412	436	454	431	464	490	511.1	476	513	541	565	476	513	541	565	476	513	541
	Lo PR	105	112	122	130.2	111	118	129	138	116	123	134	142.9	121	129	141	150	127	135	148	157.3	132	140	153	163	132	140	153	163	132	140	153
	MBh	255.6	261.2	279.0	298.3	249.7	255.1	272.6	291.4	243.7	249.0	266.1	284.4	237.8	243.0	259.6	277.5	225.9	230.8	246.6	263.6	209.2	213.8	228.4	244.2	209.2	213.8	228.4	244.2	209.2	213.8	228.4
	S/T	0.79	0.74	0.61	0.5	0.82	0.77	0.63	0.47	0.84	0.79	0.64	0.5	0.87	0.82	0.66	0.50	0.90	0.85	0.69	0.5	0.91	0.85	0.70	0.52	0.91	0.85	0.70	0.52	0.91	0.85	0.70
	ΔT	24	23	20	16	25	24	21	16	25	24	21	16	25	24	21	17	25	24	20	16	23	22	19	15	23	22	19	15	23	22	19
7632	kW	18.93	19.32	19.91	20.5	20.34	20.77	21.41	22.09	21.58	22.04	22.74	23.5	22.68	23.17	23.91	24.69	23.61	24.13	24.91	25.7	24.42	24.95	25.77	26.62	24.42	24.95	25.77	26.62	24.42	24.95	25.77
	Amps	35.8	36.5	37.4	38.5	38.1	38.8	39.8	40.9	40.6	41.4	42.5	43.8	42.8	43.7	44.9	46.2	45.1	46.0	47.2	48.7	47.2	48.2	49.5	51.1	47.2	48.2	49.5	51.1	47.2	48.2	49.5
	Hi PR	268	289	305	318.0	301	324	342	357	342	368	389	405.8	390	420	443	462	439	472	498	519.9	485	522	551	574	485	522	551	574	485	522	551
	Lo PR	107	114	124	132.4	113	120	131	140	118	125	137	145.4	123	131	143	153	129	138	150	160.1	134	142	155	166	134	142	155	166	134	142	155
	MBh	259.4	265.1	283.2	302.8	253.4	258.9	276.6	295.7	247.4	252.8	270.1	288.7	241.3	246.6	263.5	281.6	229.3	234.3	250.3	267.6	212.4	217.0	231.8	247.8	212.4	217.0	231.8	247.8	212.4	217.0	231.8
	S/T	0.83	0.78	0.63	0.5	0.86	0.81	0.66	0.49	0.88	0.83	0.67	0.5	0.91	0.85	0.69	0.52	0.94	0.89	0.72	0.5	0.95	0.89	0.73	0.54	0.95	0.89	0.73	0.54	0.95	0.89	0.73
8395	ΔT	24	23	20	16	24	23	20	16	24	23	20	16	24	23	20	16	24	23	20	16	22	21	18	15	22	21	18	15	22	21	18
	kW	19.03	19.42	20.02	20.6	20.45	20.88	21.53	22.22	21.70	22.17	22.87	23.6	22.81	23.30	24.05	24.84	23.75	24.27	25.05	25.9	24.56	25.10	25.92	26.78	24.56	25.10	25.92	26.78	24.56	25.10	25.92
	Amps	36.0	36.7	37.6	38.7	38.2	39.0	40.0	41.2	40.8	41.6	42.7	44.0	43.1	43.9	45.1	46.5	45.3	46.2	47.5	49.0	47.5	48.5	49.8	51.4	47.5	48.5	49.8	51.4	47.5	48.5	49.8
	Hi PR	270	291	307	320.2	303	326	344	359	345	371	392	408.6	393	423	446	465	442	475	502	523.6	488	525	555	578	488	525	555	578	488	525	555
	Lo PR	108	115	125	133.3	114	121	132	141	118	126	137	146.4	124	132	144	154	130	139	151	161.2	135	143	157	167	135	143	157	167	135	143	157
	85	MBh	256.2	261.1	273.5	291.8	250.2	255.0	267.1	285.0	244.2	249.0	260.8	278.2	238.3	242.9	254.4	271.4	226.4	230.8	241.7	257.8	209.7	213.8	223.9	238.8	209.7	213.8	223.9	238.8	209.7	213.8
S/T		0.80	0.77	0.70	0.57	0.83	0.80	0.72	0.59	0.85	0.82	0.74	0.60	0.88	0.85	0.77	0.62	0.91	0.88	0.80	0.65	0.92	0.89	0.80	0.65	0.92	0.89	0.80	0.65	0.92	0.89	0.80
ΔT		28	27	26	22	28	27	26	22	28	27	26	22	28	28	26	23	28	27	26	22	26	25	24	21	26	25	24	21	26	25	24
kW		18.83	19.21	19.80	20.41	20.23	20.65	21.29	21.97	21.46	21.92	22.61	23.34	22.55	23.04	23.77	24.55	23.48	23.99	24.76	25.58	24.28	24.81	25.61	26.46	24.28	24.81	25.61	26.46	24.28	24.81	25.61
Amps		35.7	36.3	37.2	38.3	37.9	38.6	39.6	40.7	40.4	41.2	42.3	43.6	42.6	43.4	44.6	46.0	44.8	45.7	47.0	48.4	47.0	47.9	49.3	50.8	47.0	47.9	49.3	50.8	47.0	47.9	49.3
Hi PR		266	287	303	316	299	322	340	354	340	366	386	403	387	417	440	459	436	469	495	516	481	518	547	570	481	518	547	570	481	518	547
Lo PR		106	113	123	131	112	119	130	139	117	124	136	144	123	130	142	152	128	137	149	159	133	141	154	164	133	141	154	164	133	141	154
MBh		260.1	265.1	277.6	296.2	254.0	258.9	271.2	289.3	248.0	252.8	264.7	282.4	241.9	246.6	258.3	275.5	229.8	234.3	245.4	261.8	212.9	217.0	227.3	242.5	212.9	217.0	227.3	242.5	212.9	217.0	227.3
S/T		0.83	0.80	0.72	0.59	0.86	0.83	0.75	0.61	0.88	0.85	0.77	0.62	0.91	0.88	0.80	0.65	0.95	0.91	0.83	0.67	0.96	0.92	0.83	0.68	0.96	0.92	0.83	0.68	0.96	0.92	0.83
ΔT		26	26	24	21	26	26	25	21	26	26	25	21	27	26	25	21	26	26	24	21	25	24	23	20	25	24	23	20	25	24	23
7632	kW	19.08	19.47	20.06	20.69	20.50	20.93	21.58	22.27	21.76	22.22	22.92	23.67	22.86	23.36	24.11	24.90	23.81	24.33	25.11	25.94	24.62	25.16	25.98	26.84	24.62	25.16	25.98	26.84	24.62	25.16	25.98
	Amps	36.1	36.7	37.7	38.8	38.3	39.0	40.1	41.2	40.9	41.7	42.8	44.1	43.2	44.0	45.2	46.6	45.4	46.3	47.6	49.1	47.6	48.6	49.9	51.5	47.6	48.6	49.9	51.5	47.6	48.6	49.9
	Hi PR	271	292	308	321	304	327	345	360	346	372	393	410	394	424	448	467	443	477	503	525	490	527	556	580	490	527	556	580	490	527	556
	Lo PR	108	115	126	134	114	122	133	141	119	126	138	147	125	133	145	154	131	139	152	162	135	144	157	167	135	144	157	167	135	144	157
	MBh	264.0	269.1	281.8	300.6	257.8	262.8	275.3	293.7	251.7	256.6	268.7	286.7	245.5	250.3	262.1	279.7	233.3	237.8	249.0	265.7	216.1	220.3	230.7	246.1	216.1	220.3	230.7	246.1	216.1	220.3	230.7
	S/T	0.87	0.84	0.76	0.61	0.90	0.87	0.78	0.64	0.92	0.89	0.80	0.65	0.95	0.92	0.83	0.67	0.99	0.95	0.86	0.70	1.00	0.96	0.87	0.71	1.00	0.96	0.87	0.71	1.00	0.96	0.87
8395	ΔT	25	25	23	20	25	25	24	20	25	25	24	20	26	25	24	21	26	25	24	20	24										

GCG 25 TONS — STANDARD STATIC

TURNS OPEN	0		1		2		3		4		5		6	
RPM	1051		1019		986		954		922		911		857	
ESP	SCFM	BHP	SCFM	BHP	SCFM	BHP	SCFM	BHP	SCFM	BHP	SCFM	BHP	SCFM	BHP
0.2	----	----	----	----	9,202	5.994	8,745	5.235	8,267	4.603	8,052	4.347	7,496	3.800
0.4	----	----	9,002	6.246	8,631	5.645	8,168	5.003	7,562	4.262	7,456	4.058	6,877	3.498
0.6	8,828	6.448	8,468	5.901	8,093	5.304	7,622	4.705	6,904	3.843	6,754	3.735	----	----
0.8	8,359	6.101	7,956	5.554	7,434	4.905	6,845	4.224	----	----	----	----	----	----
1	7,807	5.722	7,370	5.172	6,917	4.592	----	----	----	----	----	----	----	----
1.2	7,255	5.362	6,762	4.814	----	----	----	----	----	----	----	----	----	----

GCG 25 TONS — HIGH STATIC

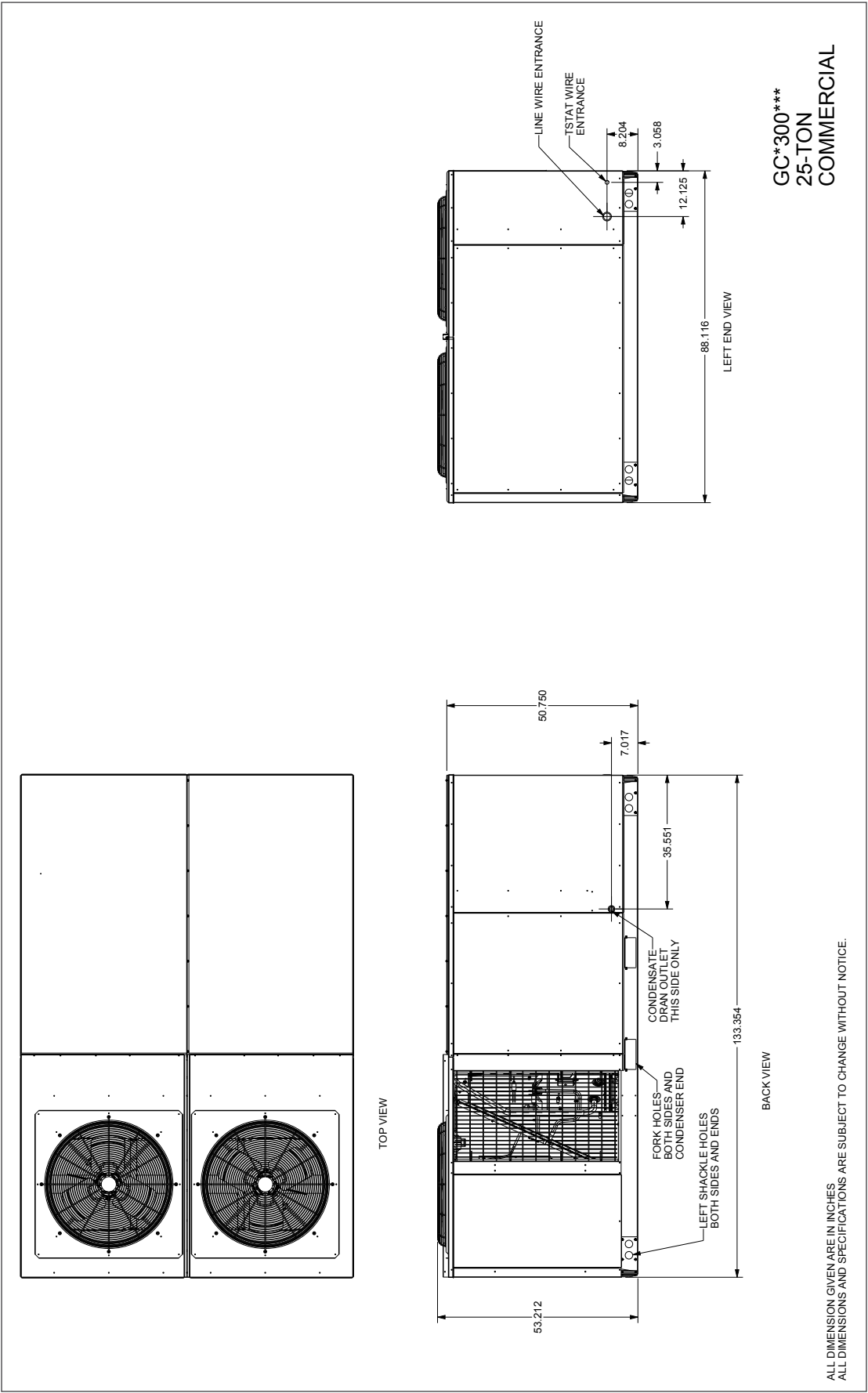
TURNS OPEN	0		1		2		3		4		5		6	
RPM	1284		1242		1200		1162		1123		1085		1047	
ESP	SCFM	BHP	SCFM	BHP	SCFM	BHP	SCFM	BHP	SCFM	BHP	SCFM	BHP	SCFM	BHP
1	---	---	---	---	---	---	9,001	6.829	8,394	6.009	7,797	4.781	7,227	4.276
1.2	---	---	---	---	8,891	6.828	8,262	6.150	7,632	5.353	7,012	4.197	---	---
1.4	---	---	8,811	6.864	8,148	6.151	7,495	5.481	6,841	4.708	---	---	---	---
1.6	---	---	8,065	6.188	7,377	5.483	---	---	---	---	---	---	---	---
1.8	7,998	6.886	7,290	5.521	---	---	---	---	---	---	---	---	---	---
2	7,221	6.102	---	---	---	---	---	---	---	---	---	---	---	---

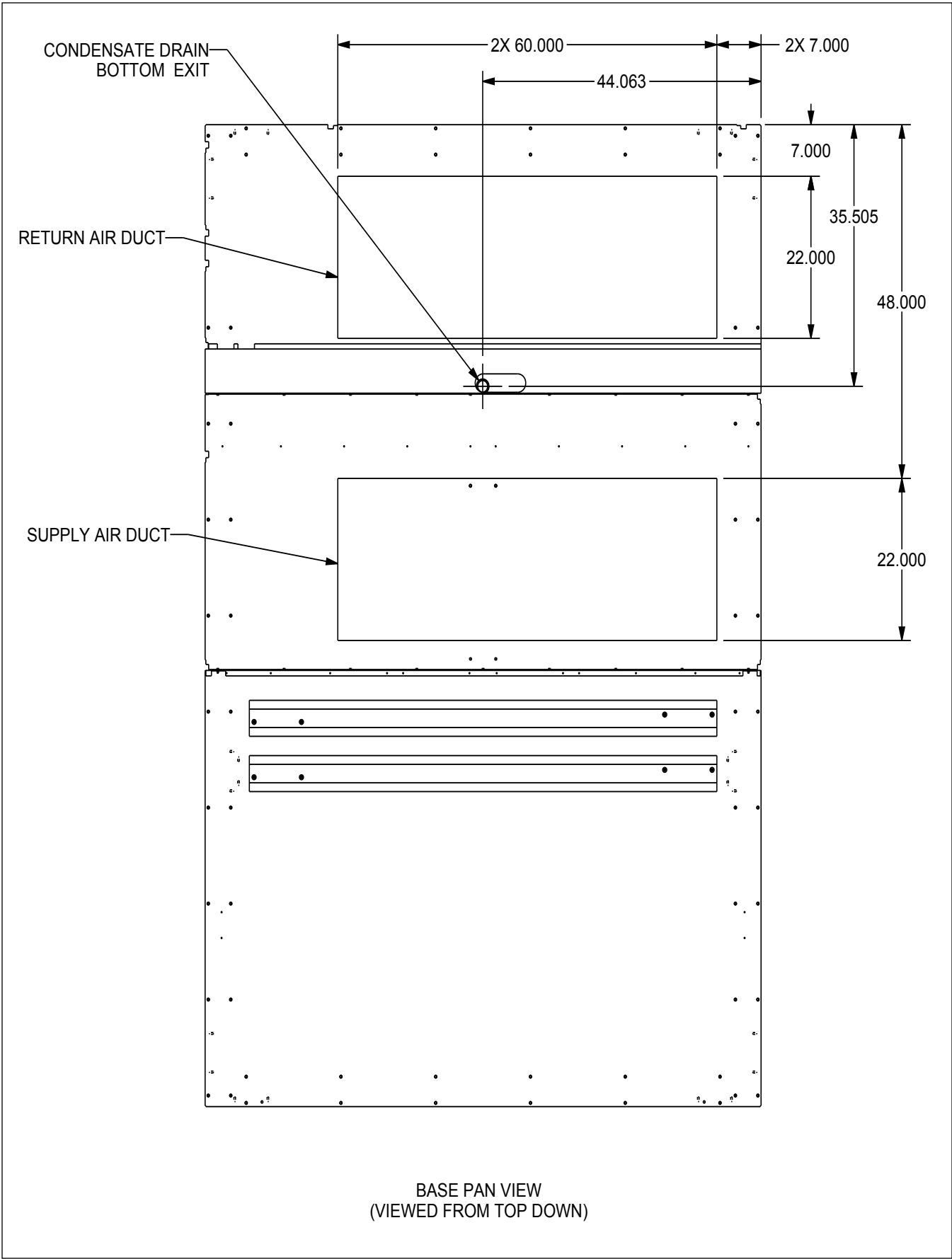
NOTES

- Airflow table represent dry coil with filters installed; SCFM correction factor for wet coil is 4%.
- Any adjustment made to the blower should not cause the motor to draw more than the motor rated RLA. Application that exceed the above could require a larger motor. Minimum rated SCFM is 350 per ton.
- Unit factory shipped with the sheave set at 2.5 turns open.

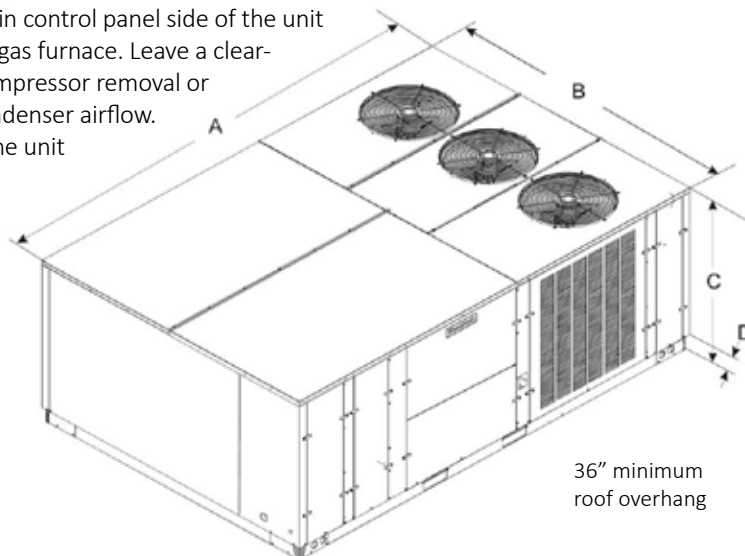
AIRFLOW PRESSURE DROP OF DOWNFLOW ECONOMIZER FOR 15- TO 25-TON ROOFTOP UNITS (100% RETURN AIR)

CFM	4,500	5,000	5,500	6,000	6,500	7,000	7,500	8,000	8,500	9,000	9,500	10,000
(IN. WG)	0.15	0.18	0.22	0.27	0.32	0.37	0.42	0.48	0.55	0.61	0.69	0.76

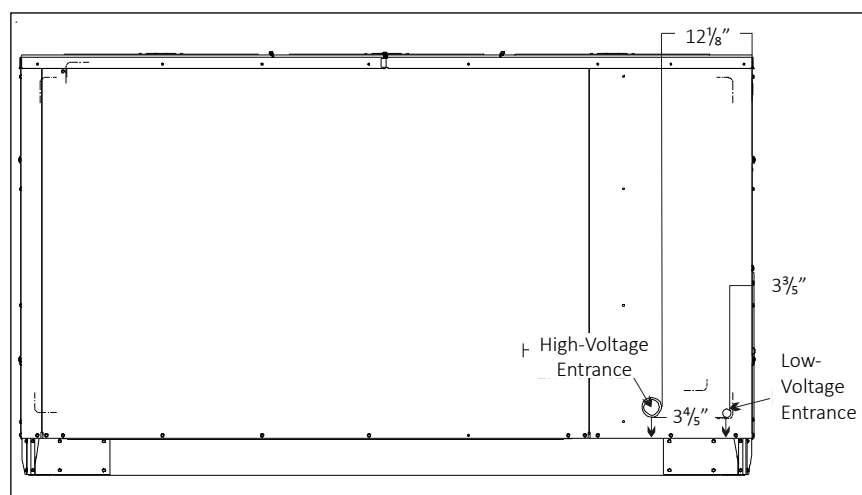




Maintain an adequate clearance around the unit for safety, service, maintenance, and proper unit operation. Leave a total clearance of 75" on the main control panel side of the unit for possible removal of fan shaft, coil, electric heat, and gas furnace. Leave a clearance of 48" on all other sides of the unit for possible compressor removal or service access, and to ensure proper ventilation and condenser airflow. Do not install the unit beneath any obstruction. Install the unit away from all building exhausts to inhibit ingestion of exhaust air into the unit's fresh-air intake.



ELECTRICAL ENTRANCE LOCATIONS



Provisions for forks have been included in the unit base frame. No other fork locations are approved.

- Unit must be lifted by the four lifting holes located at the base frame corners.
- Lifting cables should be attached to the unit with shackles.
- The distance between the crane hook and the top of the unit must not be less than 60".
- Two spreader bars must span over the unit to prevent damage to the cabinet by the lift cables. Spreader bars must be of sufficient length so that cables do not come in contact with the unit during transport. Remove wood struts mounted beneath unit base frame before setting unit on roof curb. These struts are intended to protect unit base frame from fork lift damage. To remove the struts, extract the sheet metal retainers and pull the struts through the base of the unit. Refer to rigging label on the unit.

Important: If using bottom discharge with roof curb, duct-work should be attached to the curb prior to installing the unit. Duct-work dimensions are shown in Roof Curb Installation Instructions Manual.

Refer to the Roof Curb Installation Instructions for proper curb installation. Curbing must be installed in compliance with the National Roofing Contractors Association Manual.

Lower unit carefully onto roof mounting curb. While rigging the unit, the center of gravity will cause the condenser end to be lower than the supply air end.

Bring condenser end of unit into alignment with the curb. With condenser end of the unit resting on curb member and using curb as a fulcrum, lower opposite end of the unit until entire unit is seated on the curb. When a rectangular cantilever curb is used, take care to center the unit. Check for proper alignment and orientation of supply and return openings with duct.

To assist in determining rigging requirements, unit weights are shown below.

25-TON UNITS	WEIGHTS (LBS.)
Weight A	627
Weight B	525
Weight C	604
Weight D	521
Shipping Weight	2513
Operating Weight	2283

Note: These weights are calculated without installed accessories.

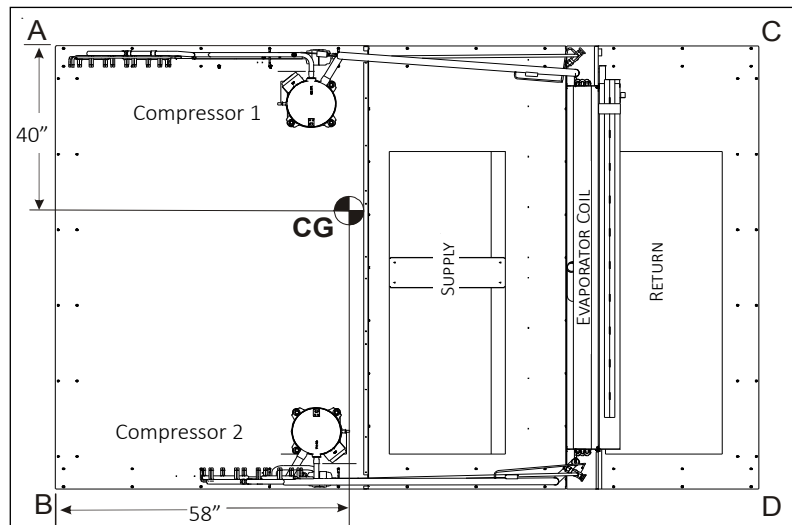
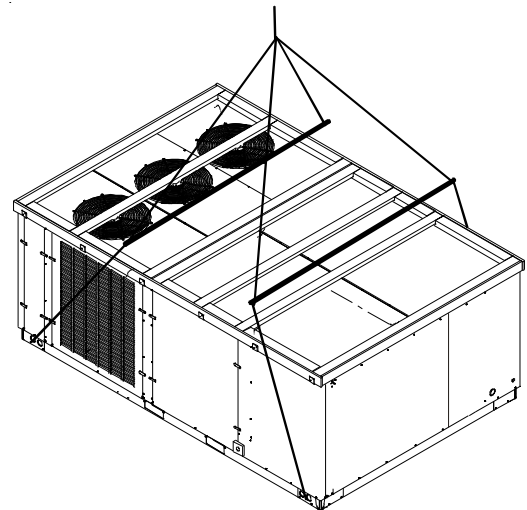
Curb installations must comply with local codes and should follow the established guidelines of the National Roofing Contractors Association. Proper unit installation requires that the roof curb be firmly and permanently attached to the roof structure. Check for adequate fastening method prior to setting the unit on the curb.

Full perimeter roof curbs are available from the factory and are shipped unassembled. The installing contractor is responsible for field assembly, squaring, leveling, and mounting on the roof structure. All required hardware necessary for the assembly of the sheet metal curb is included in the curb accessory package.

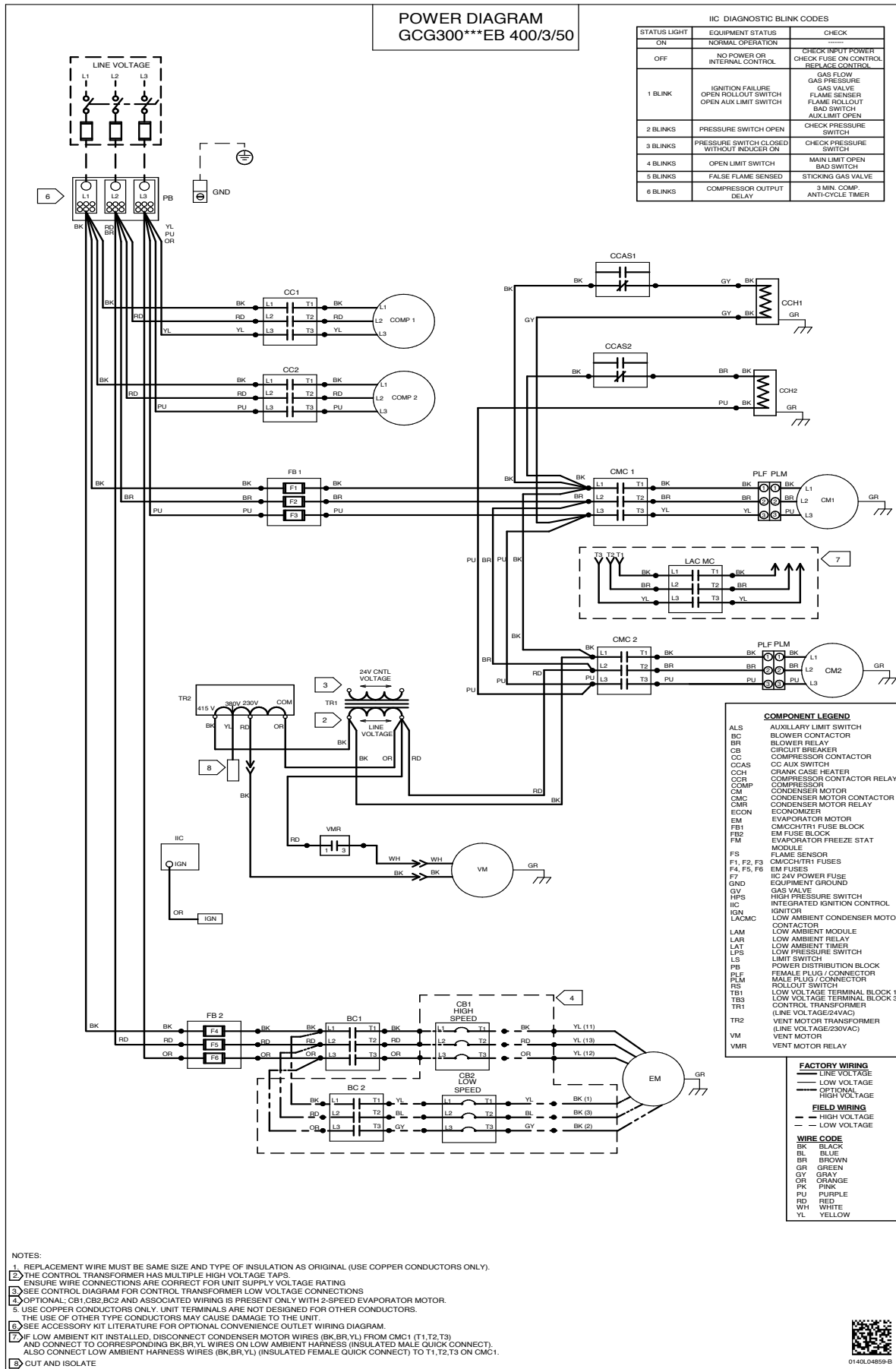
- Determine sufficient structural support before locating and mounting the curb and package unit.
- Duct-work must be constructed using industry guidelines. The duct-work must be placed into the roof curb before mounting the package unit. Our full perimeter curbs include duct connection frames to be assembled with the curb. Cantilevered-type curbs are not available from the factory.
- Contractor furnishes curb insulation, cant strips, flashing, and general roofing material.
- Support curbs on parallel sides with roof members. To prevent damage to the unit, the roof members cannot penetrate supply and return duct openings.

Note: The unit and curb accessories are designed to allow vertical duct installation before unit placement. Duct installation after unit placement is not recommended.

See the manual shipped with the roof curb for assembly and installation instructions.



CORNER & CENTER-OF-GRAVITY LOCATIONS

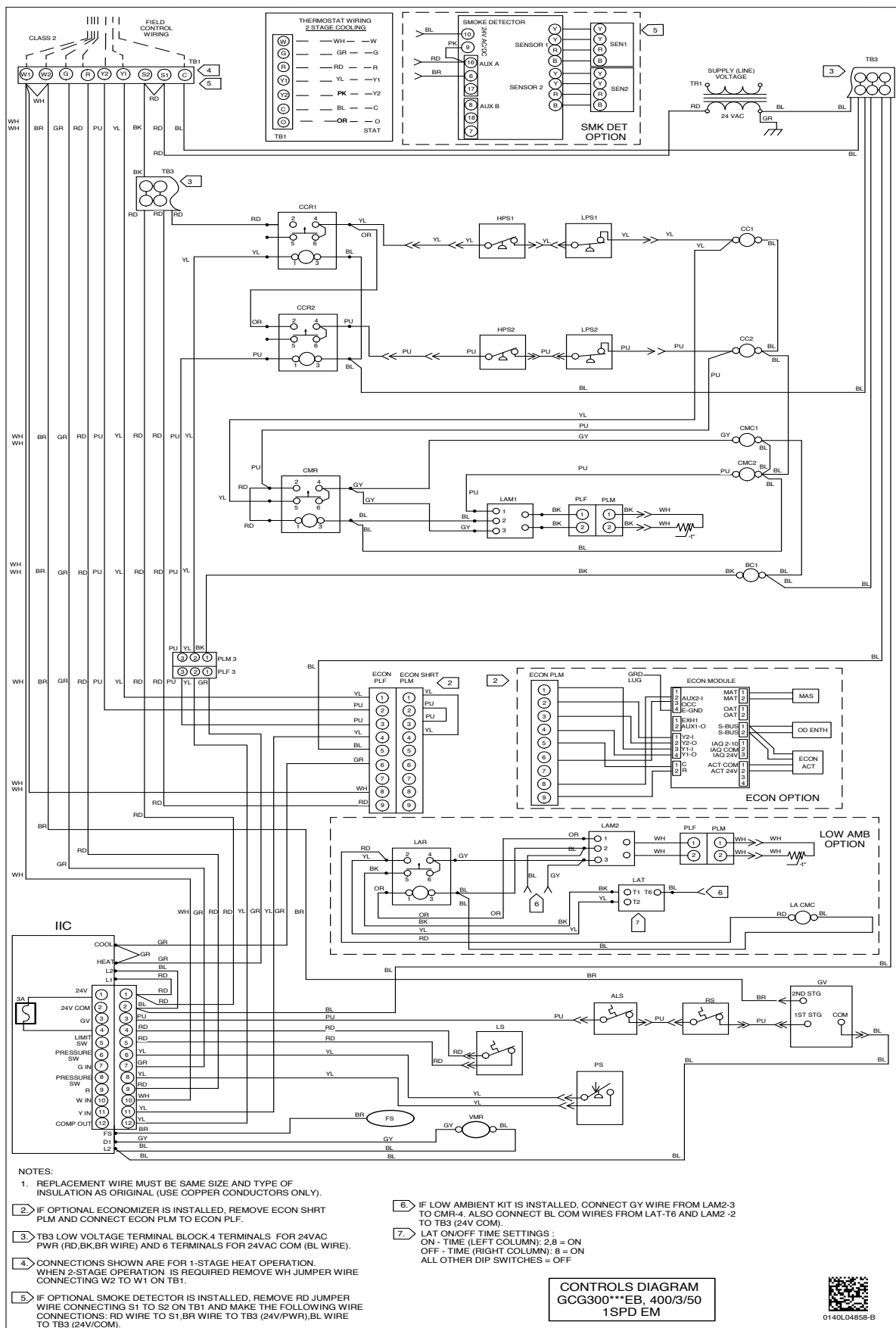


High Voltage: Disconnect all power before servicing or installing this unit. Multiple power sources may be present. Failure to do so may cause property damage, personal injury, or death.

WARNING

Wiring is subject to change. Always refer to the wiring diagram or the unit for the most up-to-date wiring.

WIRING DIAGRAM — GCG 25-TON CONTROL DIAGRAM



High Voltage: Disconnect all power before servicing or installing this unit. Multiple power sources may be present. Failure to do so may cause property damage, personal injury, or death.



Wiring is subject to change. Always refer to the wiring diagram or the unit for the most up-to-date wiring.