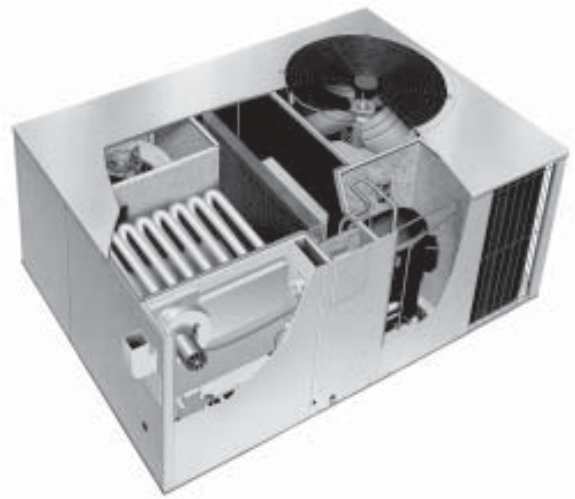
AAC COMMERCIAL

Packaged Unit

Cooling & Gas Heat

2 - 5 Ton Cooling Capacity
50,000 - 120,000 Btuh Input Heating Capacity

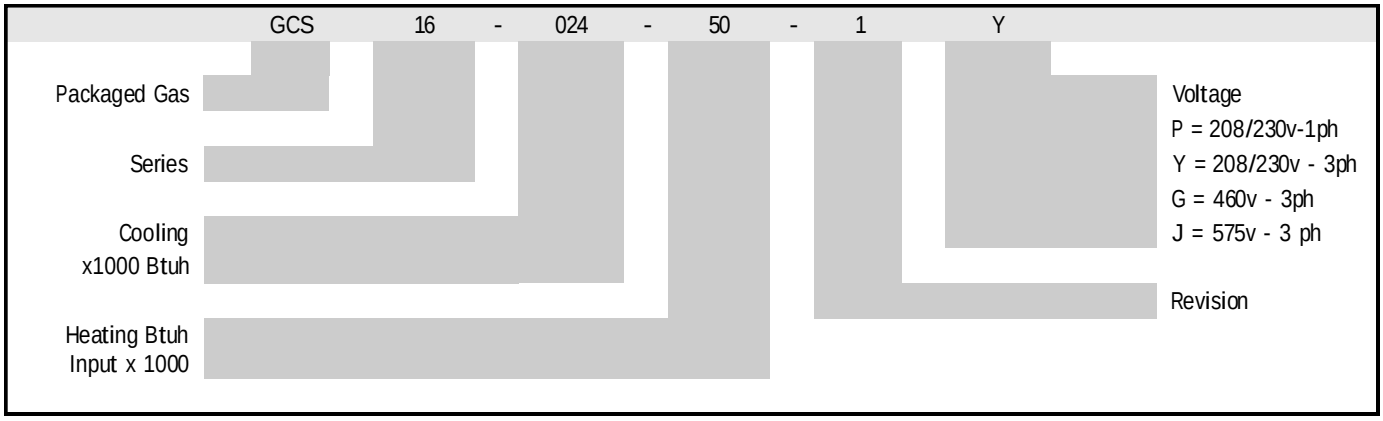
GCS16-024-030-036-048-060



FEATURES

- Designed for outdoor rooftop or ground level installations
- Down-flow or horizontal supply and return air configuration
- Units are design certified byCSA International and ratings certified by GAMA.
- Certified in accordance with USE certification program which is based on ARI Standard 210/240-94
- Sound tested in accordance with conditions included in ARI 270-95
- Heavy gauge galvanized steel cabinet, powdered enamel paint finish, large removable access panels for ease of service, base section and cabinet panels exposed to conditioned air are lined with insulation, electrical and gas inlets for entry into cabinet, control box with factory installed controls located for easy service
- Factory sealed refrigeration system consists of compressors, condenser coil and fan, evaporator coil and blower, liquid line strainer, suction and liquid line servce gauge ports and full refrigerant charge. All models have factory installed high pressure switch (manual reset), expansion valve and feezestat.
- Coil constructed of copper tube and lanced, ripple-edged aluminum fins for maximum heat transfer and low air resistance, high pressure factory tested
- Condenser fan is direct drive. Low operating sound levels. Permanently lubricated, PSC motor is totally enclosed for maximum protection. All models have a corrosion resistant PVC coated steel wire fan guard.
- Rugged and reliable compressor is hermetically sealed, suction cooled, overload protected and equipped with internal pressure relief valve. Compressor is installed on resilient rubber mounts for quiet and vibration free operation. Models 024-030 have an immersible self-regulating temperature activated crankcase heater. Scroll compressor on 036-060 models.
- Lifting brackets are factory installed
- Tubular constructed, aluminized steel heat exchanger
- Cleanable polyurethane one inch (25 mm) thick filter and rack is furnished for installation in all models for down-flow applications. Filter rack will accept up to two inch (51 mm) thick filter. For horizontal applications, without economizer, filters must be field installed in return air duct.
- Direct drive centrifugal blowers statically and dynamically balanced for maximum efficiency and minimal noise level. Multiple speed permanent split capacitor (PSC) motor is resiliently mounted.
- Economizer wiring is factory furnished for ease of installation
- 1 Year limited warranty on parts
- 5 Year limited warranty on compressor
- 10 Year limited warranty on heat exchanger

Model Number Guide



Specifications - GCS16-024-030-036

Model No.			GCS16-024-50	GCS16-030-75	GCS16-036-90
Heating Capacity	Input - Btuh (kW)		50,000 (14.7)	75,000 (22.0)	90,000 (26.4)
	Output - Btuh (kW)		40,000 (11.7)	60,000 (17.6)	72,000 (21.1)
*A.F.U.E.			80.0%		
**ARI Certified Cooling Ratings	Nominal Tonnage (kW)		2 (7.0)	2.5 (8.8)	3 (10.6)
	Cooling capacity - Btuh (kW)		23,200 (6.8)	27,400 (8.0)	35,400 (10.4)
	Total unit watts		2670	3150	3850
	SEER (Btuh/Watts)		10		10.1
	EER (Btuh/Watts)		8.7	8.7	9.2
***Sound Rating Number (db)			80		
Refrigerant Charge (HCFC-22)			3 lbs. 3 oz. (1.45 kg)	4 lbs. 3 oz. (1.90 kg)	4 lbs. 6 oz. (1.98 kg)
Evaporator Blower	Blower wheel nominal dimeter x width in. (mm)		9 x 8 (229 x 203)	10 x 8 (254 x 203)	
	Motor horsepower (W)		1/2 (249)		1/2 (373)
Evaporator Coil	Net face area - sq. ft. (m^2)		3.2 (0.30)		4.1 (0.38)
	Tube diameter - in. (mm) & No. of rows		3/8 (9.5) - 2		
	Fins per inch (m)		15 (591)		
Condenser Coil	Net face area sq. ft. (m^2)	Outer coil	8.70 (0.81)		
		Inner coil	–	8.4 (0.78)	
	Tube diameter - in. (mm) & No. of rows		3/8 (9.5) - 1	3/8 (9.5) - 2	
	Fins per inch (m)		20 (787)		
Condenser Fan	Diameter - in. (mm) & No. of blades		20 (508) - 4		
	Air volume cfm (L/s)		2450 (1155)	2200 (1040)	
	Motor horsepower (W)		1/6 (124)		
	Motor watts		220	240	
Gas Supply Connections fpt - in. (mm)			1/2 (12.7)		
Recommended Gas Supply Pressure - in. w.c. (kPa)	Natural Gas		7 (1.7)		
	LPG/Propane		11 (2.7)		
Condensate drain size mpt - in. (mm)			3/4 (19)		
****No. & size of filters - in. (mm)			(1) 16 x 25 x 1 (406 x 635 x 25)		
New weight of basic unit - lbs. (kg)			350 (159)	373 (169)	370 (168)
Shipping weight of basic unit - lbs (kg) 1 package			432 (196)	455 (206)	470 (213)
Electrical characteristics - (60 hz)			208/230v - 1 phase		208/230v - 1 ph, 208/230v, 460v or 575v - 3 phase

*Annual Field Utilization Efficiency based on DOE test procedures and FTC labeling regulations.

**Certified in accordance with USE certification program, which is based on ARI Standard 210/240: 95oF (35oC) outdoor air temperature and 80oF (27oC) db/67oF (19oC) wb entering evaporator coil air.

***Sound Rating Number in accordance with test conditions included in ARI Standard 270.

****Cleanable polyurethane filter.

Specifications - GCS16-048-060

Model No.			GCS16-048-75	GCS16-048-120	GCS16-060-75	GCS16-060-120
Heating Capacity	Input - Btuh (kW)		75,000 (22.0)	120,000 (35.2)	75,000 (22.0)	120,000 (35.2)
	Output - Btuh (kW)		60,000 (17.0)	96,000 (28.1)	60,000 (17.0)	96,000 (28.1)
*A.F.U.E.			80.0%			
**ARI Certified Cooling Ratings	Nominal Tonnage (kW)		4 (14.1)		5 (17.6)	
	Cooling capacity - Btuh (kW)		46,500 (13.6)		58,500 (17.1)	
	Total unit watts		4890		6570	
	SEER (Btuh/Watts)		10.35		10	
	EER (Btuh/Watts)		9.5		8.9	
***Sound Rating Number (db)			82			
Refrigerant Charge (HCFC-22)			5 lbs. 11 oz. (2.58 kg)		7 lbs. 0 oz. (3.18 kg)	
Evaporator Blower	Blower wheel nominal dimeter x width in. (mm)		11 1/2 x 9 (292 x 229)			
	Motor horsepower (W)		3/4 (560)			
Evaporator Coil	Net face area - sq. ft. (m^2)		5.3 (0.49)		6.2 (0.58)	
	Tube diameter - in. (mm) & No. of rows		3/8 (9.5) - 2			
	Fins per inch (m)		15 (591)			
Condenser Coil	Net face area sq. ft. (m^2)	Outer coil	14.30 (1.33)			
		Inner coil	5.9 (0.55)		13.7 (1.27)	
	Tube diameter - in. (mm) & No. of rows		3/8 (9.5) - 1.4		3/8 (9.5) - 2	
	Fins per inch (m)		20 (787)			
Condenser Fan	Diameter - in. (mm) & No. of blades		24 (610) - 4			
	Air volume (cfm (L/s)		3880 (1830)		3770 (1780)	
	Motor horsepower (W)		1/4 (187)			
	Motor watts		340		360	
Gas Supply Connections fpt - in. (mm)			1/2 (12.7)			
Recommended Gas Supply Pressure - in. w.c. (kPa)	Natural Gas		7 (1.7)			
	LPG/Propane		11 (2.7)			
Condensate drain size mpt - in. (mm)			3/4 (19)			
****No. & size of filters - in. (mm)			(1) 20 x 25 x 1 (508 x 635 x 25)			
New weight of basic unit - lbs. (kg)			496 (225)		526 (239)	
Shipping weight of basic unit - lbs (kg) 1 package			605 (274)		635 (288)	
Electrical characteristics - (60 hz)			208/230v - 1 ph, 208/230v, 460v - 3 ph	208/230v - 1 ph, 208/230v, 460v or 575v - 3 ph	208/230v - 1 ph, 208/230v, 460v - 3 ph	208/230v - 1 ph, 208/230v, 460v or 575v - 3 ph

*Annual Field Utilization Efficiency based on DOE test procedures and FTC labeling regulations.

**Certified in accordance with USE certification program, which is based on ARI Standard 210/240: 95oF (35oC) outdoor air temperature and 80oF (27oC) db/67oF (19oC) wb entering evaporator coil air.

***Sound Rating Number in accordance with test conditions included in ARI Standard 270.

****Cleanable polyurethane filter.

Optional Accessories - Field Installed

Model No.		GCS16-024	GCS16-030	GCS16-036	GCS16-048	GCS16-060
Coil Guards - PVC coated steel wire guards to protect outdoor coil **NOTE: Not for use with Hail Guards.**		**(47J23)** 2 guards per order			**(47J24)** 3 guards per order	
Hail Guards - Heavy duty field installed coil guard protects coils from damage. **NOTE: Not for use with Coil Guards.**		**(90N90)** 2 guards per order			**(90N91)** 3 gaurds per order	
Diffusers - Aluminum grilles, large center grille, insulated diffuser box with flanges, hanging rings furnished, interior transition (even air flow), internally sealed (prevents recirculation), adapts to T-bar ceiling grids or plaster ceilings - Net Weight	**Step-Down** - double deflection louvers	**RTD9-65** - 67 lbs. (30 kg) **(27G87)**				
	Flush - fixed blade louvers	**FD9-65** - 37 lbs. (17 kg) **(27G86)**				
Transitions (Supply and Return) - Used with diffusers, installs in roof mounting frame, galvanized steel construction, flanges furnished for duct connection, fully insulated - Net Weight		**SRT16** - 20 lbs. (9 kg) **(15H02)**				
Economizer with Gravity Exhaust Dampers (Down-Flow) - Installs direclty in cabinet, recirculated air dampers with pressure operated gravity exhaust damper, formed, gasketed damper blades, nylon bearings, 24v damper motor has adjustable minimum position switch, electronic discharge air sensor, adjustable outdoor air enthalpy control. Utilizes filter furnished with unit, filter rack will accept up to 2 in. (51 mm) filter. Removable exhaust air hood and outdoor air intake hood with aluminum mesh filter. Model No. - Net Weight - No. size of filter, in., (mm)	**3 Position**	**REMD16-41** - 48 lbs. (22 kg) **(58H73)**			**REMD16-65** - 66 lbs. (30 kg) **(58H75)**	
	Modulating	**REMD16M-41** - 48 lbs. (22 kg) **(58H72)**			**REMD16M-65** - 66 lbs. (30 kg) **(58H74)**	
	[1]Indoor	(1) 16 x 25 x 1 (406 x 635 x 25)			(1) 20 x 25 x 1 (508 x 635 x 25)	
	Outdoor	(1) 14 x 25 x 1 (356 x 635 x 25)			(1) 18 x 25 x 1 (457 x 635 x 25)	
Economizer Dampers (Horizontal) - Installs directly in cabinet, combination outdoor air and recirculated air damper, formed, gasketed damper blades, nylon bearings, 24v damper motor has adjustable minimum position switch, electronic discharge air sensor, adjustable outdoor air enthalpy control. 1 in (25 mm) fiberglass filter furnished, filter rack will accept up to 2 in. (51 mm) filter, outdoor air intake hood with aluminum mesh filter. Model No. - Net Weight - No. & size of filter, in. (mm)	**3 Position**	**EMDH16-41** - 110 lbs. (50 kg) **(14H97)**			**EMDH16-65** - 130 lbs. (59 kg) **(14H98)**	
	Modulating	**EMDH16M-41** -110 lbs. (50 kg) **(23H03)**			**EMDH16M-65** - 130 Lbs. (59 kg) **(23H02)**	
	Indoor	(1) 20 x 24 x 1 (508 x 610 x 25)			(1) 16 x 25 x 1 (356 x 635 x 25) (1) 14 x 25 x 1 (356 x 635 x 1)	
	Outdoor	(1) 8 x 24 x 1 (203 x 610 x 25)			(1) 8 x 28 x 1 (203 x 711 x 25)	
Enthalpy Control, Differential - Used in conjunction with outdoor air enthalpy control. Determines and selects which air has the lowest enthalpy. Return air enthalpy sensor field installs in economizer damper section.		**(54G44)**				
Gravity Exhaust Dampers - For use with EMDH16. Pressure operated assembly field installs in the return air duct adjacent to the economizer assembly. Includes bird screen - Net Weight.		**GEDH16-65** - 4 lbs. (2 kg) **(23H06)**				
Low Ambient Control Kit - Units operate down to 30ºF (-1ºC) outdoor air temperature in cooling mode without any additional controls. A Low Ambient Kit can be field installed, enabling unit to operate properly down to 0ºF (-17.7ºC).		**(24H77)**				

[1]Indoor filter is not furnished with economizer. REMD16 utilizes existing filter furnished with GCS16 unit.

Optional Accessories - Field Installed

Model No.		GCS16-024	GCS16-030	GCS16-036	GCS16-048	GCS16-060
LPG/Propane Kits - Conversion from Natural Gas to LPG/Propane		**50L89** - 50-75-90K Input **50L88** - 120K Input				
Roof Curb Power Entry Kit - Allows power entry through roof mounting frame, knockouts provided in roof frame, kit contains 40 in. (1016 mm) armored conduit and installation hardware, two kits are required, one for low voltage and one for high voltage. See Dimension Drawings.	**1/2 in. (13 mm)**	**18H70**				
	1 in. (26 mm)	**18H71**				
	1-1/2 in. (39 mm)	**18H72**				
Roof Mounting Frame - Nailer strip furnished, mates to unit, U.S. National Roofing Contractors Approved, shipped knocked down. RMF16-41 may be used on all sizes, with a slight unit overhang on- 048/060 units - Net Weight **NOTE** - Sound Reduction Plate must be ordered separately for field installation.		**RMF16-41** - 75 lbs. (35 kg) (**97G59**) Plate (ordered separately) **(73H80)**			**RMF16-41** - 75 lbs. (35 kg) **(97G59)** **RMF 16-65** - 86 lbs. (38 kg) **(97G60)** Plate (ordered separately) **(73H82)**	
Outdoor Air Damper Section - For down-flow applications, damper assembly replaces blower access panel, manually adjustable, 0 - 25% (fixed) outdoor air, outdoor air hood with cleanable filter included, number and size of filter - Net Weight		**OAD16-41** - 12 lbs. (5 kg) **(15H00)** (1) 5 x 17 x 1 in. (127 x 432 x 25 mm)			**OAD16-65** - 12 lbs. (5 kg) **(15H01)** (1) 8 x 17 x 1 in. (203 x 432 x 25 mm)	
Outdoor Air Damper Section - For horizontal applications, installs in return air duct adjacent to unit, manually adjustable (fixed) outdoor air - Net Weight		**OAD3-46/65** - 8 lbs. (4 kg) (**23591**)				
Timed Off Control - Prevents compressor short-cycling and allows time for suction and discharge pressure to equalize, permitting the compressor to start in an unloaded condition. Automatic reset control provides a time delay between compressor shutoff and start-up.		**(47J27)**				
Unit Stand-Off Mounting Kit - Elevates horizontal application units above mounting surface. Includes six high impact polystyrene stand-off mounts. See dimension drawings.		**(38H18)**				

Electrical Data - Single Phase Voltage

Model No.		GCS16-024	GCS16-030	GCS16-036	GCS16-048	GCS16-060
Line voltage data - 60 hz.		208/230v - 1 phase				
Compressor	Rated load amps	10.1	12.4	16	21.8	27.6
	Locked rotor amps	60	69.4	100	131	135
Condenser Coil Fan Motor	Full load amps	1.1			2	
	Locked rotor amps	2.3			4.2	
Evaporator Blower Motor	Motor output - hp (W)	1/3 (249)	1/3 (249)	1/2 (373)	3/4 (560)	3/4 (560)
	Full load amps	2.2	3.0	3.9	4.6	4.6
	Locked rotor amps	4.2	6.2	8.3	10.1	10.1
Induced Draft Blower Motor (1 phase) - FLA		.7				
Recommended maximum fuse size (amps)		25	30	40	50	60
*Minimum Circuit Ampacity		16	20	25	34	42

*Refer to National or Canadian Electrical Code manual to determine wire, fuse and disconnect size requirements.

Note - Extremes of operating range are plus and minus 10% of line voltage.

Electrical Data - Three Phase Voltage

Model No.		GCS16-036			GCS16-048			GCS16-060		
Line voltage data - 60 hz. - 3 phase		208/230v	460v	575v	208/230v	460v	575v	208/230v	460v	575v
Compressor	Rated load amps	10.3	5.1	4.2	12.8	6.4	5.1	17.6	9.5	6.3
	Locked rotor amps	77	39	31	91	46	37	105	55	45
Condenser Coil Fan Motor	Full load amps	1.1	.80	.80[1]	2.0	1.1	1.1[1]	2.0	1.1	1.1[1]
	Locked rotor amps	2.3	1.9	1.9[1]	4.2	2.2	2.2[1]	4.2	2.2	2.2[1]
Evaporator Blower Motor	Motor output - hp (W)	1/2 (373)			3/4 (560)					
	Full load amps	3.9	1.9	1.9[1]	4.6	2.4	2.4[1]	4.6	2.4	2.4[1]
	Locked rotor amps	8.3	4.2	4.2[1]	10.1	5.0	5.0[1]	10.1	5.0	5.0[1]
Induced Draft Motor (1 phase) - FLA		.7								
Recommended maximum fuse size (amps)		25	15		35	15		45	20	15
*Minimum Circuit Ampacity		18	10	8	23	12	10	29	16	12

[1]Motors are rated at 460 volts. Full load amps shown are for step-down transformer output.

NOTE - Extremes of operating range are plus and minus 10% of line voltage.

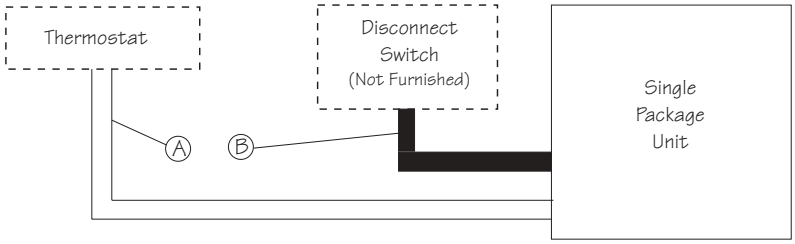
*Refer to National or Canadian Electrical Code manual to determine wire, fuse and disconnect size requirements.

High Altitude Information

No gas pressure adjustment is needed when operating from 0 to 7500 ft. (0 to 2285 m). See below for correct manifold pressures for natural gas and LPG/propane.

Fuel	Manifold Absolute Pressure (outlet) 0 to 7500 ft. (0 to 2285 m) above sea level
Natural Gas	3.5 in. w.g. (0.87 kPa)
LPG/Propane	10.5 in w.g. (2.61 kPa)

Field Wiring - Basic Models



A - *Four Wire Low Voltage (Electro-mechanical)
- *Five Wire Low Voltage (Electronic)
B - Two or Three Wire Power (See Electrical Data Table)
-Field Wiring Not Furnished-

*When economizer with two stage thermostat is used, one additional wire is required.

NOTE - All wiring must conform to NEC or CEC and local electrical codes.

Ratings

GCS16-024 Cooling Capacity

Entering Wet Bulb Temp.	Total Air Volume		Outdoor Air Temperature Entering Condenser Coil																							
			85ºF (29ºC)						95ºF (35ºC)						105ºF (41ºC)						115ºF (46ºC)					
			Total Cooling Capacity		Compressor Motor kW Input	Sensible to Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor kW Input	Sensible to Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor kW Input	Sensible to Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor kW Input	Sensible to Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75ºF 24ºC	80ºF 27ºC	85ºF 29ºC	kBtuh	kW		75ºF 24ºC	80ºF 27ºC	85ºF 29ºC	kBtuh	kW		75ºF 24ºC	80ºF 27ºC	85ºF 29ºC	kBtuh	kW		75ºF 24ºC	80ºF 27ºC	85ºF 29ºC
63ºF (17.2ºC)	640	300	23.0	6.7	1.90	.71	.84	.96	21.8	6.4	2.05	.73	.86	.98	20.6	6.0	2.21	.74	.88	.99	19.3	5.7	2.35	.77	.91	1.00
	800	380	23.9	7.0	1.93	.75	.90	1.00	22.7	6.7	2.09	.78	.92	1.00	21.5	6.3	2.24	.79	.95	1.00	20.2	5.9	2.38	.83	.97	1.00
	960	455	24.7	7.2	1.96	.80	.95	1.00	23.5	6.9	2.12	.82	.97	1.00	22.2	6.5	2.28	.85	.99	1.00	21.0	6.2	2.42	.88	1.00	1.00
67ºF (19.4ºC)	640	300	24.6	7.2	1.95	.56	.68	.81	23.3	6.8	2.11	.57	.70	.83	22.0	6.4	2.27	.58	.72	.85	20.7	6.1	2.41	.59	.74	.87
	800	380	25.4	7.4	1.98	.59	.73	.87	24.1	7.1	2.15	.60	.75	.89	22.8	6.7	2.30	.61	.77	.92	21.4	6.3	2.44	.62	.80	.94
	960	455	26.0	7.6	2.00	.61	.78	.93	24.7	7.2	2.17	.63	.80	.95	23.3	6.8	2.33	.64	.83	.97	21.9	6.4	2.47	.66	.85	.99
71ºF (21.7ºC)	640	300	26.3	7.7	2.01	.43	.54	.66	25.0	7.3	2.18	.43	.55	.67	23.7	6.9	2.34	.43	.56	.69	22.3	6.5	2.49	.43	.57	.71
	800	380	27.2	8.0	2.03	.43	.57	.70	25.8	7.6	2.21	.44	.58	.72	24.4	7.2	2.37	.44	.59	.74	23.0	6.7	2.52	.44	.61	.77
	960	455	27.8	8.1	2.05	.44	.60	.75	26.3	7.7	2.23	.45	.61	.78	24.9	7.3	2.39	.46	.63	.80	23.4	6.9	2.54	.46	.65	.83

Note - All values are gross capacities and do not include indoor coil blower motor heat deduction.

Ratings

GCS16-030 Cooling Capacity

Entering Wet Bulb Temp.	Total Air Volume		Outdoor Air Temperature Entering Condenser Coil																							
			85ºF (29ºC)						95ºF (35ºC)						105ºF (41ºC)						115ºF (46ºC)					
			Total Cooling Capacity		Compressor Motor kW Input	Sensible to Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor kW Input	Sensible to Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor kW Input	Sensible to Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor kW Input	Sensible to Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75ºF 24ºC	80ºF 27ºC	85ºF 29ºC	kBtuh	kW		75ºF 24ºC	80ºF 27ºC	85ºF 29ºC	kBtuh	kW		75ºF 24ºC	80ºF 27ºC	85ºF 29ºC	kBtuh	kW		75ºF 24ºC	80ºF 27ºC	85ºF 29ºC
63ºF (17.2ºC)	800	380	27.6	8.1	2.22	.73	.86	.97	26.3	7.7	2.39	.74	.88	.99	25.0	7.3	2.56	.76	.90	1.00	23.5	6.9	2.75	.78	.93	1.00
	1000	470	28.6	8.4	2.25	.77	.92	1.00	27.3	8.0	2.43	.79	.94	1.00	25.9	7.6	2.61	.81	.96	1.00	24.5	7.2	2.80	.84	.99	1.00
	1200	565	29.5	8.6	2.28	.82	.97	1.00	28.2	8.3	2.46	.84	.99	1.00	26.8	7.9	2.65	.86	1.00	1.00	25.4	7.4	2.84	.89	1.00	1.00
67ºF (19.4ºC)	800	380	29.4	8.6	2.27	.57	.70	.82	28.0	8.2	2.45	.58	.71	.84	26.6	7.8	2.64	.59	.73	.87	25.1	7.4	2.82	.60	.75	.89
	1000	470	30.4	8.9	2.30	.60	.75	.89	28.9	8.5	2.49	.61	.76	.91	27.4	8.0	2.67	.62	.78	.93	25.8	7.6	2.87	.64	.81	.96
	1200	565	31.0	9.1	2.32	.63	.80	.94	29.5	8.6	2.51	.06	.82	.96	28.0	8.2	2.70	.65	.84	.99	26.4	7.7	2.90	.67	.87	1.00
71ºF (21.7ºC)	800	380	31.4	9.2	2.32	.43	.55	.67	30.0	8.8	2.52	.43	.56	.69	28.5	8.4	2.72	.44	.57	.70	26.9	7.9	2.92	.44	.58	.72
	1000	470	32.4	9.5	2.35	.44	.58	.72	30.9	9.1	2.55	.44	.59	.74	29.3	8.6	2.75	.45	.60	.76	27.6	8.1	2.96	.45	.62	.78
	1200	565	33.0	9.7	2.37	.45	.61	.77	31.5	9.2	2.57	.46	.62	.80	29.8	8.7	2.78	.46	.64	.82	28.1	8.2	2.99	.47	.66	.84

Note - All values are gross capacities and do not include indoor coil blower motor heat deduction.

GCS16-036 Cooling Capacity

Entering Wet Bulb Temp.	Total Air Volume		Outdoor Air Temperature Entering Condenser Coil																							
			85ºF (29ºC)						95ºF (35ºC)						105ºF (41ºC)						115ºF (46ºC)					
			Total Cooling Capacity		Compressor Motor kW Input	Sensible to Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor kW Input	Sensible to Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor kW Input	Sensible to Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor kW Input	Sensible to Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75ºF 24ºC	80ºF 27ºC	85ºF 29ºC	kBtuh	kW		75ºF 24ºC	80ºF 27ºC	85ºF 29ºC	kBtuh	kW		75ºF 24ºC	80ºF 27ºC	85ºF 29ºC	kBtuh	kW		75ºF 24ºC	80ºF 27ºC	85ºF 29ºC
63ºF (17.2ºC)	1050	495	34.8	10.2	2.92	.77	.92	1.00	33.5	9.8	3.09	.78	.94	1.00	32.0	9.4	3.26	.79	.96	1.00	30.5	8.9	3.41	.81	.99	1.00
	1200	565	35.8	10.5	2.96	.80	.96	1.00	34.4	10.1	3.13	.81	.98	1.00	32.9	9.6	3.30	.83	1.00	1.00	31.3	9.2	3.45	.84	1.00	1.00
	1350	635	36.7	10.8	2.99	.83	1.00	1.00	35.1	10.3	3.16	.84	1.00	1.00	33.7	9.9	3.33	.86	1.00	1.00	31.9	9.4	3.49	.88	1.00	1.00
67ºF (19.4ºC)	1050	495	36.4	10.7	2.99	.60	.75	.90	35.1	10.3	3.16	.61	.77	.91	33.6	9.8	3.34	.62	.78	.93	32.0	9.4	3.50	.63	.80	.95
	1200	565	37.5	11.0	3.03	.62	.78	.94	36.1	10.6	3.21	.63	.80	.95	34.5	10.1	3.38	.64	.81	.97	32.9	9.6	3.54	.65	.83	1.00
	1350	635	38.4	11.3	3.06	.64	.81	.98	36.8	10.8	3.24	.65	.83	1.00	35.3	10.3	3.42	.66	.85	1.00	33.6	9.9	3.58	.67	.87	1.00
71ºF (21.7ºC)	1050	495	38.0	11.1	3.05	.45	.60	.75	36.5	10.7	3.23	.45	.61	.77	35.0	10.3	3.41	.46	.62	.78	33.4	9.8	3.57	.46	.63	.79
	1200	565	39.1	11.5	3.09	.46	.62	.78	37.6	11.0	3.27	.46	.63	.80	36.0	10.5	3.45	.47	.64	.81	34.3	10.1	3.62	.47	.65	.83
	1350	635	39.9	11.7	3.13	.47	.64	.81	38.4	11.3	3.31	.47	.65	.83	36.7	10.8	3.49	.47	.66	.84	35.0	10.3	3.66	.48	.68	.86

Note - All values are gross capacities and do not include indoor coil blower motor heat deduction.

Ratings

GCS16-048 Cooling Capacity

Entering Wet Bulb Temp.	Total Air Volume		Outdoor Air Temperature Entering Condenser Coil																							
			85ºF (29ºC)						95ºF (35ºC)						105ºF (41ºC)						115ºF (46ºC)					
			Total Cooling Capacity		Compressor Motor kW Input	Sensible to Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor kW Input	Sensible to Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor kW Input	Sensible to Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor kW Input	Sensible to Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75ºF 24ºC	80ºF 27ºC	85ºF 29ºC	kBtuh	kW		75ºF 24ºC	80ºF 27ºC	85ºF 29ºC	kBtuh	kW		75ºF 24ºC	80ºF 27ºC	85ºF 29ºC	kBtuh	kW		75ºF 24ºC	80ºF 27ºC	85ºF 29ºC
63ºF (17.2ºC)	1400	660	46.7	13.7	3.50	.72	.87	.99	44.7	13.1	3.78	.74	.89	1.00	42.5	12.5	4.05	.75	.92	1.00	40.3	11.8	4.32	.77	.94	1.00
	1600	755	48.3	14.2	3.53	.75	.91	1.00	46.2	13.5	3.82	.77	.93	1.00	44.0	12.9	4.10	.78	.95	1.00	41.3	12.1	4.36	.80	.98	1.00
	1800	850	49.6	14.5	3.57	.78	.94	1.00	47.0	13.8	3.85	.80	.96	1.00	44.9	13.2	4.13	.81	.98	1.00	42.1	12.3	4.39	.83	1.00	1.00
67ºF (19.4ºC)	1400	660	48.9	14.3	3.55	.57	.71	.85	46.9	13.7	3.84	.58	.73	.86	44.7	13.1	4.13	.59	.74	.88	42.5	12.5	4.41	.59	.76	.90
	1600	755	50.5	14.8	3.59	.59	.74	.88	48.4	14.2	3.88	.60	.75	.90	46.1	13.5	4.18	.60	.77	.92	43.8	12.8	4.47	.61	.79	.94
	1800	850	51.9	15.2	3.62	.60	.76	.92	49.6	14.5	3.92	.61	.78	.94	47.3	13.9	4.22	.62	.80	.96	44.9	13.2	4.51	.63	.82	.99
71ºF (21.7ºC)	1400	660	51.1	15.0	3.60	.43	.56	.71	48.9	14.3	3.90	.43	.57	.72	46.8	13.7	4.20	.43	.58	.74	44.5	13.0	4.50	.44	.60	.75
	1600	755	52.7	15.4	3.64	.43	.58	.74	50.5	14.8	3.95	.44	.59	.75	48.2	14.1	4.25	.44	.60	.77	45.9	13.5	4.55	.44	.62	.78
	1800	850	54.1	15.9	3.67	.44	.60	.77	51.8	15.2	3.98	.44	.61	.78	49.4	14.5	4.29	.45	.62	.80	47.0	13.8	4.60	.45	.64	.81

Note - All values are gross capacities and do not include indoor coil blower motor heat deduction.

GCS16-060 Cooling Capacity

Entering Wet Bulb Temp.	Total Air Volume		Outdoor Air Temperature Entering Condenser Coil																							
			85ºF (29ºC)						95ºF (35ºC)						105ºF (41ºC)						115ºF (46ºC)					
			Total Cooling Capacity		Compressor Motor kW Input	Sensible to Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor kW Input	Sensible to Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor kW Input	Sensible to Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor kW Input	Sensible to Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75ºF 24ºC	80ºF 27ºC	85ºF 29ºC	kBtuh	kW		75ºF 24ºC	80ºF 27ºC	85ºF 29ºC	kBtuh	kW		75ºF 24ºC	80ºF 27ºC	85ºF 29ºC	kBtuh	kW		75ºF 24ºC	80ºF 27ºC	85ºF 29ºC
63ºF (17.2ºC)	1750	825	59.0	17.3	4.91	.74	.88	1.00	56.3	16.5	5.27	.76	.90	1.00	53.5	15.7	5.64	.78	.92	1.00	50.7	14.9	6.04	.80	.95	1.00
	2000	945	60.9	17.8	4.98	.77	.91	1.00	58.0	17.0	5.34	.78	.93	1.00	55.3	16.2	5.72	.80	.96	1.00	51.9	15.2	6.11	.83	.99	1.00
	2250	1060	62.5	18.3	5.03	.79	.94	1.00	59.5	17.4	5.40	.81	.97	1.00	56.0	16.4	5.79	.58	1.00	1.00	53.1	15.6	6.18	.86	1.00	1.00
67ºF (19.4ºC)	1750	825	62.0	18.2	5.01	.58	.72	.84	59.3	17.4	5.40	.59	.73	.86	56.5	16.6	5.80	.61	.75	.88	53.7	15.7	6.23	.62	.77	.91
	2000	945	64.1	18.8	5.08	.60	.74	.87	61.2	17.9	5.48	.61	.76	.90	58.3	17.1	5.90	.62	.78	.92	55.4	16.2	6.33	.64	.80	.95
	2250	1060	65.8	19.3	5.14	.61	.76	.90	62.8	18.4	5.55	.62	.78	.93	59.8	17.5	5.97	.64	.80	.96	56.8	16.6	6.43	.65	.83	.99
71ºF (21.7ºC)	1750	825	65.0	19.0	5.12	.44	.57	.69	62.3	18.3	5.52	.44	.58	.70	59.4	17.4	5.95	.45	.59	.72	56.6	16.6	6.42	.46	.60	.74
	2000	945	67.2	19.7	5.19	.44	.58	.71	64.3	18.8	5.61	.45	.59	.73	61.4	18.0	6.06	.45	.60	.75	58.5	17.1	6.55	.46	.62	.77
	2250	1060	68.9	20.2	5.25	.45	.60	.74	66.0	19.3	5.69	.45	.61	.75	63.0	18.5	6.16	.46	.62	.77	60.1	17.6	6.66	.47	.64	.79

Note - All values are gross capacities and do not include indoor coil blower motor heat deduction.

Blower Data

GCS16-024-50 Blower Performance @230 Volts (with Downflow Air Openings)

External Static Pressure		Air Volume at Various Blower Speeds							
in. w.g.	Pa	High		Medium High		Medium Low		Low	
		cfm	L/s	cfm	L/s	cfm	L/s	cfm	L/s
0	0	1335	630	1000	470	905	425	665	315
.05	12	1330	630	1010	475	915	430	680	320
.10	25	1315	620	1015	480	920	435	685	325
.15	37	1300	615	1015	480	925	435	690	325
.20	50	1280	605	1010	475	920	435	695	330
.25	62	1255	590	1005	475	915	430	695	330
.30	75	1225	580	990	465	900	425	690	325
.40	100	1160	550	945	445	865	410	665	315
.50	125	1075	505	885	420	815	385	630	295
.60	150	975	460	805	380	745	350	585	275
.70	175	860	405	705	335	655	310	520	245
.80	200	730	345	590	280	545	255	--	--
.90	225	570	270	--	--	--	--	--	--
1.00	250	--	--	--	--	--	--	--	--

Note - All air data is measured external to the unit with dry coil and without air filter.

Note - For 208v unit operation, derate air volume by 7%.

GCS16-024-50 Blower Performance @230 Volts (with Horizontal Air Openings)

External Static Pressure		Air Volume at Various Blower Speeds							
in. w.g.	Pa	High		Medium High		Medium Low		Low	
		cfm	L/s	cfm	L/s	cfm	L/s	cfm	L/s
0	0	1315	620	915	430	840	395	615	290
.05	12	1300	615	930	440	855	405	640	300
.10	25	1285	605	945	445	870	410	655	310
.15	37	1265	595	950	450	875	415	670	315
.20	50	1240	585	950	450	880	415	680	320
.25	62	1220	575	950	450	880	415	685	325
.30	75	1195	565	945	445	875	415	685	325
.40	100	1140	540	915	430	850	400	675	320
.50	125	1080	510	870	410	815	385	650	305
.60	150	1010	475	805	380	760	360	610	290
.70	175	935	440	725	340	690	325	550	260
.80	200	845	400	625	295	600	285	--	--
.90	225	735	345	515	245	--	--	--	--
1.00	250	--	--	--	--	--	--	--	--

Note - All air data is measured external to the unit with dry coil and without air filter.

Note - For 208v unit operation, derate air volume by 7%.

Blower Data

GCS16-030-75 Blower Performance @230 Volts (with Downflow Air Openings)

External Static Pressure		Air Volume at Various Blower Speeds							
in. w.g.	Pa	High		Medium High		Medium Low		Low	
		cfm	L/s	cfm	L/s	cfm	L/s	cfm	L/s
0	0	1480	700	1360	640	1155	545	1015	480
.05	12	1465	690	1345	635	1145	540	1010	475
.10	25	1445	680	1335	630	1135	535	1000	470
.15	37	1425	675	1315	620	1120	530	985	465
.20	50	1400	660	1295	610	1105	520	970	460
.25	62	1375	650	1270	600	1085	510	955	450
.30	75	1345	635	1245	590	1060	500	930	440
.40	100	1275	600	1180	555	1005	475	875	415
.50	125	1195	565	1100	520	940	445	805	380
.60	150	1095	515	1010	475	865	410	720	340
.70	175	990	465	900	425	780	370	625	295
.80	200	880	415	790	375	675	320	515	245
.90	225	745	350	655	310	--	--	--	--
1.00	250	590	280	--	--	--	--	--	--

Note - All air data is measured external to the unit with dry coil and without air filter.

Note - For 208v unit operation, derate air volume by 7%.

GCS16-030-75 Blower Performance @230 Volts (with Horizontal Air Openings)

External Static Pressure		Air Volume at Various Blower Speeds							
in. w.g.	Pa	High		Medium High		Medium Low		Low	
		cfm	L/s	cfm	L/s	cfm	L/s	cfm	L/s
0	0	1365	645	1235	585	1050	495	910	430
.05	12	1365	645	1225	580	1050	495	905	425
.10	25	1360	640	1215	575	1045	495	900	425
.15	37	1350	635	1205	570	1040	490	890	420
.20	50	1335	630	1190	560	1030	485	880	415
.25	62	1320	625	1170	550	1020	480	865	410
.30	75	1300	615	1155	545	1005	475	850	400
.40	100	1250	590	1110	525	965	455	815	385
.50	125	1185	560	1060	500	915	430	770	365
.60	150	1105	520	1000	470	855	405	715	335
.70	175	1010	475	930	440	780	370	655	310
.80	200	905	425	850	400	700	330	580	275
.90	225	780	370	730	345	--	--	--	--
1.00	250	630	295	--	--	--	--	--	--

Note - All air data is measured external to the unit with dry coil and without air filter.

Note - For 208v unit operation, derate air volume by 7%.

Blower Data

GCS16-036-90 Blower Performance @230 Volts (with Downflow Air Openings)

External Static Pressure		Air Volume at Various Blower Speeds							
in. w.g.	Pa	High		Medium High		Medium Low		Low	
		cfm	L/s	cfm	L/s	cfm	L/s	cfm	L/s
0	0	1700	800	1580	745	1430	675	1315	620
.05	12	1665	785	1550	730	1420	670	1300	615
.10	25	1635	770	1520	715	1405	665	1285	605
.15	37	1600	755	1490	705	1390	655	1270	600
.20	50	1570	740	1460	690	1370	645	1250	590
.25	62	1540	725	1430	675	1345	635	1230	580
.30	75	1505	710	1400	660	1315	620	1215	575
.40	100	1430	675	1340	630	1260	595	1165	550
.50	125	1370	645	1280	605	1200	565	1110	525
.60	150	1300	615	1215	575	1130	535	1030	485
.70	175	1235	585	1150	545	1045	495	970	460
.80	200	1165	550	1075	505	955	450	870	410
.90	225	1090	515	990	465	825	390	--	–
1.00	250	980	465	885	420	--	--	--	–

Note - All air data is measured external to the unit with dry coil and without air filter.

Note - For 208v unit operation, derate air volume by 7%.

GCS16-036-90 Blower Performance @230 Volts (with Horizontal Air Openings)

External Static Pressure		Air Volume at Various Blower Speeds							
in. w.g.	Pa	High		Medium High		Medium Low		Low	
		cfm	L/s	cfm	L/s	cfm	L/s	cfm	L/s
0	0	1740	820	1585	750	1500	710	1370	645
.05	12	1710	805	1565	740	1475	695	1350	635
.10	25	1675	790	1545	730	1450	685	1330	630
.15	37	1645	775	1525	720	1425	675	1310	620
.20	50	1615	760	1490	705	1400	660	1290	610
.25	62	1580	745	1465	690	1375	650	1265	595
.30	75	1550	730	1440	680	1345	635	1240	585
.40	100	1485	700	1380	650	1290	610	1190	560
.50	125	1420	670	1320	625	1230	580	1135	535
.60	150	1350	635	1260	595	1165	550	1075	505
.70	175	1255	590	1165	550	1105	520	1015	480
.80	200	1180	555	1085	510	1025	485	940	445
.90	225	1085	510	985	465	930	440	--	–
1.00	250	970	460	870	410	--	--	--	–

Note - All air data is measured external to the unit with dry coil and without air filter.

Note - For 208v unit operation, derate air volume by 7%.

Blower Data

GCS16-036-90 Blower Performance @460/575 Volts (with Downflow Air Openings)

External Static Pressure		Air Volume at Various Blower Speeds					
in. w.g.	Pa	High		Medium		Low	
		cfm	L/s	cfm	L/s	cfm	L/s
0	0	1570	740	1480	700	1135	535
.05	12	1545	730	1455	685	1135	535
.10	25	1520	715	1430	675	1130	535
.15	37	1490	705	1405	665	1125	530
.20	50	1465	690	1375	650	1115	525
.25	62	1435	675	1350	635	1105	520
.30	75	1405	665	1320	625	1090	515
.40	100	1345	635	1265	595	1050	495
.50	125	1285	605	1200	565	1020	480
.60	150	1220	575	1140	540	975	460
.70	175	1155	545	1070	505	920	435
.80	200	1085	510	1000	470	850	400
.90	225	1000	470	910	430	–	–
1.00	250	905	425	810	380	–	–

Note - All air data is measured external to the unit with dry coil and without air filter

GCS16-036-90 Blower Performance @460/575 Volts (with Horizontal Air Openings)

External Static Pressure		Air Volume at Various Blower Speeds					
in. w.g.	Pa	High		Medium		Low	
		cfm	L/s	cfm	L/s	cfm	L/s
0	0	1610	760	1515	715	1165	550
.05	12	1585	750	1490	705	1165	550
.10	25	1560	735	1465	690	1160	550
.15	37	1525	720	1440	680	1155	545
.20	50	1500	710	1410	665	1145	540
.25	62	1470	695	1385	655	1135	535
.30	75	1440	680	1355	640	1115	525
.40	100	1380	650	1295	610	1085	510
.50	125	1315	620	1230	580	1045	495
.60	150	1250	590	1170	550	1000	470
.70	175	1185	560	1095	515	945	445
.80	200	1110	525	1025	485	845	400
.90	225	1030	485	940	445	–	–
1.00	250	940	445	845	400	–	–

Note - All air data is measured external to the unit with dry coil and without air filter

Blower Data

GCS16-048-75 Blower Performance @230 Volts (with Downflow Air Openings)

External Static Pressure		Air Volume at Various Blower Speeds									
in. w.g.	Pa	High		Medium High		Medium		Medium Low		Low	
		cfm	L/s	cfm	L/s	cfm	L/s	cfm	L/s	cfm	L/s
0	0	2765	1305	2475	1170	2225	1050	1945	920	1670	790
.05	12	2735	1290	2450	1155	2205	1040	1930	910	1655	780
.10	25	2705	1275	2430	1145	2190	1035	1915	905	1640	775
.15	37	2670	1260	2405	1135	2170	1025	1900	895	1620	765
.20	50	2635	1245	2380	1125	2145	1010	1880	885	1605	760
.25	62	2600	1225	2355	1110	2125	1005	1860	880	1585	750
.30	75	2530	1195	2300	1085	2075	980	1820	860	1540	725
.40	100	2455	1160	2240	1055	2025	955	1775	840	1495	705
.50	125	2380	1125	2180	1030	1970	930	1725	815	1445	680
.60	150	2300	1085	2110	995	1910	900	1670	790	1385	655
.70	175	2260	1065	2075	980	1875	885	1640	775	1355	640
.80	200	2175	1025	2000	945	1805	850	1570	740	1290	610
.90	225	2100	990	1910	900	1730	815	1500	710	–	–
1.00	250	2010	950	1820	860	1645	775	--	--	–	–

Note - All air data is measured external to the unit with dry coil and without air filter.

Note - For 208v unit operation, derate air volume by 7%.

GCS16-048-75 Blower Performance @230 Volts (with Horizontal Air Openings)

External Static Pressure		Air Volume at Various Blower Speeds									
in. w.g.	Pa	High		Medium High		Medium		Medium Low		Low	
		cfm	L/s	cfm	L/s	cfm	L/s	cfm	L/s	cfm	L/s
0	0	2800	1320	2495	1180	2240	1055	1955	925	1680	795
.05	12	2765	1305	2475	1170	2225	1050	1945	920	1670	790
.10	25	2735	1290	2450	1155	2205	1040	1930	910	1655	780
.15	37	2705	1275	2430	1145	2190	1035	1915	905	1640	775
.20	50	2670	1260	2405	1135	2170	1025	1900	895	1620	765
.25	62	2635	1245	2380	1125	2145	1010	1880	885	1605	760
.30	75	2600	1225	2355	1110	2125	1005	1860	880	1585	750
.40	100	2530	1195	2300	1085	2075	980	1820	860	1540	725
.50	125	2455	1160	2240	1055	2025	955	1775	840	149	705
.60	150	2380	1125	2180	1030	1970	930	1725	815	1445	680
.70	175	2300	1085	2110	995	1910	900	1670	790	1385	655
.80	200	2220	1050	2035	960	1835	865	1600	755	1310	620
.90	225	2130	1005	1950	920	1745	825	1510	715	–	–
1.00	250	2020	955	1845	870	1640	775	--	--	–	–

Note - All air data is measured external to the unit with dry coil and without air filter.

Note - For 208v unit operation, derate air volume by 7%.

Blower Data

GCS16-048-120 Blower Performance @230 Volts (with Downflow Air Openings)

External Static Pressure		Air Volume at Various Blower Speeds									
in. w.g.	Pa	High		Medium High		Medium		Medium Low		Low	
		cfm	L/s	cfm	L/s	cfm	L/s	cfm	L/s	cfm	L/s
0	0	2775	1310	2505	1180	2270	1070	1970	930	1710	805
.05	12	2725	1285	2465	1165	2240	1055	1950	920	1685	795
.10	25	2675	1265	2430	1145	2210	1045	1925	910	1665	785
.15	37	2630	1240	2395	1130	2180	1030	1905	900	1645	775
.20	50	2580	1220	2360	1115	2150	1015	1885	890	1620	765
.25	62	2540	1200	2320	1095	2120	1000	1860	880	1595	755
.30	75	2490	1175	2285	1080	2100	990	1840	870	1570	740
.40	100	2400	1135	2220	1050	2040	965	1795	845	1515	715
.50	125	2300	1085	2145	1010	1980	935	1740	820	1450	685
.60	150	2200	1040	2070	975	1910	900	1680	795	1365	645
.70	175	2130	1005	2000	945	1865	880	1620	765	1305	615
.80	200	2050	970	1925	910	1800	850	1550	730	1210	570
.90	225	1950	920	1840	870	1715	810	1465	690	–	–
1.00	250	1840	870	1740	820	1610	760	--	--	–	–

Note - All air data is measured external to the unit with dry coil and without air filter.

Note - For 208v unit operation, derate air volume by 7%.

GCS16-048-120 Blower Performance @230 Volts (with Horizontal Air Openings)

External Static Pressure		Air Volume at Various Blower Speeds									
in. w.g.	Pa	High		Medium High		Medium		Medium Low		Low	
		cfm	L/s	cfm	L/s	cfm	L/s	cfm	L/s	cfm	L/s
0	0	2700	1275	2470	1165	2235	1055	1900	895	1650	780
.05	12	2675	1265	2450	1155	2225	1050	1890	890	1640	775
.10	25	2650	1250	2425	1145	2210	1045	1880	885	1630	770
.15	37	2625	1240	2405	1135	2200	1040	1870	885	1620	765
.20	50	2595	1225	2380	1125	2185	1030	185	875	1610	760
.25	62	2570	1215	2360	1115	2165	1020	1840	870	1600	755
.30	75	2535	1195	2335	1100	2150	1015	1830	865	1585	750
.40	100	2480	1170	2280	1075	2110	995	1795	845	1550	730
.50	125	2410	1140	2220	1050	2085	985	1750	825	1510	715
.60	150	2340	1105	2160	1020	2000	945	1680	795	1455	685
.70	175	2255	1065	2080	980	1965	925	1640	775	1410	665
.80	200	2165	1020	2000	945	1880	885	1565	740	1350	635
.90	225	2065	975	1900	895	1785	845	1470	695	–	–
1.00	250	1940	915	1780	840	1660	785	--	--	–	–

Note - All air data is measured external to the unit with dry coil and without air filter.

Note - For 208v unit operation, derate air volume by 7%.

Blower Data

GCS16-060-75 Blower Performance @230 Volts (with Downflow Air Openings)

External Static Pressure		Air Volume at Various Blower Speeds									
in. w.g.	Pa	High		Medium High		Medium		Medium Low		Low	
		cfm	L/s	cfm	L/s	cfm	L/s	cfm	L/s	cfm	L/s
0	0	2785	1315	2530	1195	2270	1070	1980	935	1715	810
.05	12	2755	1300	2510	1185	2255	1065	1965	925	1700	800
.10	25	2725	1285	2488	1175	2240	1055	1950	920	1690	800
.15	37	2695	1270	2455	1160	2220	1050	1935	915	1680	795
.20	50	2670	1260	2430	1145	2200	1040	1920	905	1670	790
.25	62	2640	1245	2400	1135	2180	1030	1905	900	1655	780
.30	75	2610	1230	2375	1120	2160	1020	1895	895	1645	775
.40	100	2550	1205	2320	1095	2120	1000	1865	880	1615	760
.50	125	2485	1175	2265	1070	2075	980	1825	860	1580	745
.60	150	2415	1140	2200	1040	2025	955	1780	840	1540	725
.70	175	2345	1105	2165	1020	1965	925	1765	835	1450	685
.80	200	2270	1070	2105	995	1900	895	1720	810	1415	670
.90	225	2185	1030	2035	960	1830	865	1660	785	–	–
1.00	250	2085	985	1950	920	1750	825	--	--	–	–

Note - All air data is measured external to the unit with dry coil and without air filter.

Note - For 208v unit operation, derate air volume by 7%.

GCS16-060-75 Blower Performance @230 Volts (with Horizontal Air Openings)

External Static Pressure		Air Volume at Various Blower Speeds									
in. w.g.	Pa	High		Medium High		Medium		Medium Low		Low	
		cfm	L/s	cfm	L/s	cfm	L/s	cfm	L/s	cfm	L/s
0	0	2760	1305	2515	1185	2220	1050	1945	920	1680	795
.05	12	2740	1295	2500	1180	2210	1045	1935	915	1670	790
.10	25	2720	1285	2485	1175	2200	1040	1930	910	1660	785
.15	37	2700	1275	2465	1165	2190	1035	1920	905	1650	780
.20	50	2680	1265	2450	1155	2175	1025	1910	900	1635	770
.25	62	2660	1255	2430	1145	2160	1020	1900	890	1620	765
.30	75	2630	1240	2410	1140	2150	1015	1885	890	1600	755
.40	100	2570	1215	2360	1115	2115	1000	1860	880	1570	740
.50	125	2490	1175	2300	1085	2075	980	1820	860	1525	720
.60	150	2375	1120	2225	1050	2020	955	1770	835	1470	695
.70	175	2310	1090	2170	1025	1970	930	1730	815	1435	675
.80	200	2200	1040	2070	975	1900	895	1670	790	1380	650
.90	225	2065	975	1960	925	1820	860	1590	750	–	–
1.00	250	1910	900	1820	860	1710	805	--	--	–	–

Note - All air data is measured external to the unit with dry coil and without air filter.

Note - For 208v unit operation, derate air volume by 7%.

Blower Data

GCS16-060-120 Blower Performance @230 Volts (with Downflow Air Openings)

External Static Pressure		Air Volume at Various Blower Speeds									
in. w.g.	Pa	High		Medium High		Medium		Medium Low		Low	
		cfm	L/s	cfm	L/s	cfm	L/s	cfm	L/s	cfm	L/s
0	0	2740	1295	2520	1190	2270	1070	2025	955	1710	805
.05	12	2715	1280	2495	1180	2250	1060	2005	945	1690	800
.10	25	2685	1265	2470	1165	2230	1055	1980	935	1670	790
.15	37	2655	1255	2445	1155	2210	1045	1960	925	1650	780
.20	50	2630	1240	2420	1140	2190	1035	1935	915	1635	770
.25	62	2600	1225	2395	1130	2170	1025	1910	900	1615	760
.30	75	2570	1215	2370	1120	2150	1015	1885	890	1595	755
.40	100	2510	1185	2320	1095	2100	990	1835	865	1550	730
.50	125	2450	1155	2255	1065	2080	980	1780	840	1500	710
.60	150	2375	1120	2185	1030	1995	940	1755	830	1440	680
.70	175	2305	1090	2120	1000	1935	915	1695	800	1390	655
.80	200	2230	1055	2040	965	1860	880	1645	775	1315	620
.90	225	2140	1010	1945	920	1775	840	1585	750	–	–
1.00	250	2030	960	1835	865	1670	790	--	--	–	–

Note - All air data is measured external to the unit with dry coil and without air filter.

Note - For 208v unit operation, derate air volume by 7%.

GCS16-060-120 Blower Performance @230 Volts (with Horizontal Air Openings)

External Static Pressure		Air Volume at Various Blower Speeds									
in. w.g.	Pa	High		Medium High		Medium		Medium Low		Low	
		cfm	L/s	cfm	L/s	cfm	L/s	cfm	L/s	cfm	L/s
0	0	2760	1305	2545	1200	2295	1085	2015	950	1680	795
.05	12	2745	1295	2530	1195	2280	1075	2005	945	1675	790
.10	25	2730	1290	2510	1185	2265	1070	1995	940	1670	790
.15	37	2710	1280	2495	1180	2250	1060	1985	935	1665	785
.20	50	2695	1270	2480	1170	2235	1055	1970	930	1665	785
.25	62	2675	1265	2460	1160	2220	1050	1955	925	1645	775
.30	75	2650	1250	2440	1150	2200	1040	1930	910	1635	770
.40	100	2600	1225	2395	1130	2160	1020	1875	885	1605	760
.50	125	2540	1200	2340	1105	2110	995	1805	850	1555	735
.60	150	2480	1170	2265	1070	2025	955	1725	815	1475	695
.70	175	2395	1130	2200	1040	1985	935	1630	770	1450	685
.80	200	2285	1080	2100	990	1900	895	1540	725	1370	645
.90	225	2155	1015	1985	935	1795	845	1410	665	–	–
1.00	250	2000	945	1845	870	1665	785	--	--	–	–

Note - All air data is measured external to the unit with dry coil and without air filter.

Note - For 208v unit operation, derate air volume by 7%.

Blower Data

GCS16-048/060-75-120 Blower Performance @460/575 Volts (with Downflow Air Openings)

External Static Pressure		Air Volume at Various Blower Speeds					
in. w.g.	Pa	High		Medium		Low	
		cfm	L/s	cfm	L/s	cfm	L/s
0	0	2630	1240	2330	1100	1905	900
.05	12	2605	1230	2310	1090	1890	890
.10	25	2580	1220	2285	1080	1870	885
.15	37	2555	1205	2260	1065	1850	875
.20	50	2525	1190	2235	1055	1830	865
.25	62	2495	1180	2210	1045	1810	855
.30	75	2445	1155	2180	1030	1790	845
.40	100	2400	1135	2125	1005	1745	825
.50	125	2325	1095	2065	975	1695	800
.60	150	2250	1060	2000	945	1640	775
.70	175	2165	1020	1930	910	1580	745
.80	200	2080	980	1850	875	1510	715
.90	225	1985	935	1760	830	--	--
1.00	250	1860	880	1655	780	--	--

Note - All air data is measured external to the unit with dry coil and without air filter

GCS16-048/060-75-120 Blower Performance @460/575 Volts (with Horizontal Air Openings)

External Static Pressure		Air Volume at Various Blower Speeds					
in. w.g.	Pa	High		Medium		Low	
		cfm	L/s	cfm	L/s	cfm	L/s
0	0	2655	1255	2350	1110	1920	905
.05	12	2630	1240	2330	1100	1905	900
.10	25	2605	1230	2310	1090	1890	890
.15	37	2580	1220	2285	1080	1870	885
.20	50	2555	1205	2260	1065	1850	875
.25	62	2525	1190	2235	1055	1830	865
.30	75	2495	1180	2210	1045	1810	855
.40	100	2465	1165	2155	1015	1765	835
.50	125	2365	1115	2095	990	1720	810
.60	150	2200	1040	2030	960	1665	785
.70	175	2205	1040	1965	925	1610	760
.80	200	2115	1000	1890	890	1545	730
.90	225	2010	950	1800	850	--	--
1.00	250	1885	890	1695	800	--	--

Note - All air data is measured external to the unit with dry coil and without air filter

Accessory Blower Data

Filter and Accessory Air Resistance

Unit Model No.	Air Volume		Total Air Resistance - inches water gauge (Pa)					
			1" (25 mm) Filter Furnished	REMD16 Down-Flow Economizer			EMDH16 Horizontal Economizer	
	cfm	L/s		Less Filter	With Optional Pleated Polyester 2" (51 mm) Filter	With Optional Fiberglass 2" (51mm) Filter	With Furnished 1" (25 mm) Filter	Less Filter
GCS16-024 GCS16-030 GCS16-036	800	380	.15 (37)	.05 (12)	.27 (67)	.13 (32)	.18 (45)	.10 (25)
	1000	470	.18 (45)	.06 (15)	.34 (85)	.18 (45)	.26 (65)	.15 (37)
	1200	565	.21 (52)	.09 (22)	.42 (104)	.24 (60)	.35 (87)	.21 (52)
	1400	660	.25 (62)	.15 (37)	.51 (127)	.31 (77)	.46 (114)	.29 (72)
GCS16-048 GCS16-060	1600	755	.15 (37)	.05 (12)	.40 (99)	.27 (67)	.30 (75)	.17 (42)
	1800	850	.17 (42)	.06 (15)	.48 (119)	.33 (82)	.35 (87)	.19 (47)
	2000	945	.20 (50)	.08 (20)	.56 (139)	.39 (97)	.40 (99)	.22 (55)
	2200	1040	.23 (57)	.13 (32)	.66 (164)	.46 (114)	.47 (117)	.26 (65)

Diffuser Air Resistance

Unit Model No.	Air Volume		Total Air Resistance - inches water gauge (Pa)			
			RTD9-65 Diffuser			FD9-65 Diffuser
	cfm	L/s	2 Ends Open	1 Side 2 Ends Open	All Ends & Sides Open	
GCS16-024 GCS16-030 GCS16-036	800	380	.15 (37)	.13 (32)	.11 (27)	.11 (27)
	1000	470	.19 (47)	.16 (40)	.14 (35)	.14 (35)
	1200	565	.25 (62)	.20 (50)	.17 (42)	.17 (42)
	1400	660	.33 (82)	.26 (65)	.20 (50)	.20 (50)
GCS16-048 GCS16-060	1600	755	.43 (107)	.32 (80)	.20 (50)	.24 (60)
	1800	850	.56 (139)	.40 (90)	.30 (75)	.30 (75)
	2000	945	.73 (182)	.50 (124)	.36 (90)	.36 (90)
	2200	1040	.95 (236)	.63 (157)	.44 (109)	.44 (109)

Accessory Blower Data

Ceiling Diffuser Air Throw Data

Model No.		RTD9-65		RD9-65	
Air Volume		1Effective Throw		1Effective Throw	
cfm	L/s	ft.	m	ft.	m
1000	470	10-17	3-5	15-20	5-6
1200	565	11-18	3-5	16-22	5-7
1400	660	12-19	4-6	17-24	5-7
1600	755	12-20	4-6	18-25	5-8
1800	850	13-21	4-6	20-28	6-9
2000	945	14-23	4-7	21-29	6-9
2200	1040	16-25	5-8	22-30	7-9

[1]Effective throw based on terminal velocities of 75 ft. (22.9 m) per minute.

Wet Indoor Coil Air Resistance

Model Number	Air Volume		Air Resistance	
	cfm	L/s	in. w.g.	Pa
GCS16-024	800	380	0.06	15
	1000	470	0.07	17
	1200	565	0.08	20
GCS16-030	800	380	0.09	22
	1000	470	0.10	25
	1200	565	0.11	27
GCS16-036	800	380	0.09	22
	1000	470	0.10	25
	1200	565	0.11	27
	1400	660	0.12	30
GCS16-048	1600	755	0.11	27
	1800	850	0.12	30
	2000	945	0.13	32
	2200	1040	0.14	35
GCS16-060	1600	755	0.08	20
	1800	850	0.09	22
	2000	945	0.10	25
	2200	1040	0.11	27

Guide Specifications

Prepared for the guidance of architects, consulting engineers and mechanical contractors.

General - Furnish and install single package air to air DX mechanical cooling system and gas fired heating system, complete with automatic controls. The single package unit shall be a standard product of a firm regularly engaged in the manufacture of heating-cooling equipment. The manufacturer shall have parts and service available throughout the U.S. and Canada.

The installed weight shall not be more than.....lbs. (kg). Entire unit shall have a width of not more than.....inches (mm), a depth of not more than.....inches (mm) and an overall height of not more than.....inches (mm). The equipment shall be shipped completely factory assembled, precharged, piped and wired internally ready for field connections. In addition, manufacturer shall test and operate system at the factory before shipment.

Air Distribution - Equipment shall be capable of bottom (downflow) or side (horizontal) handling of conditioned air.

Approvals - All electrical components shall have U.L. and C.S.A. Listing. All wiring shall be in compliance with NEC and CEC. Shall be certified by CSA International and ratings are certified by GAMA. Shall be rated and certified in accordance with the U.S.E. certification program, which is based on ARI Standard 210/240-94.

Equipment Warranty - Heat exchangers have a limited warranty for a full ten years. Compressors have a limited warranty for a full five years. All other components have a limited warranty for one year. Refer to the Equipment Limited Warranty certificate included with the unit for details.

Cooling System - The coils shall be nonferrous construction with aluminum fins mechanically bonded to durable copper tubes. Coils shall be pressure leak tested.

Compressor shall be resiliently mounted, have overload protection and crankcase heater. The refrigeration system shall have suction and liquid line service gauge ports, loss of charge switch, expansion valve, high pressure switch, freezestat and full refrigerant charge. Control option available shall consist of low ambient controls and timed-off control.

Heating System - Tubular heat exchanger and inshot type gas burners shall be constructed of aluminized steel. Controls shall consist of direct spark ignition, electronic flame sensor controls, flame rollout switch, limit control, automatic redundant gas valve and blower prove switch on induced draft blower. Unit shall be available for use with LPG/propane as an option. Complete service access shall be provided for controls and wiring. Shall be A.G.A./C.G.A. design certified for outdoor installation.

Cabinet - Shall be galvanized steel with a powdered enamel paint finish electrostatically bonded to the metal. Cabinet panels where conditioned air is handled shall be fully insulated to prevent sweating and minimize sound. Openings provided for power and gas entry. Supply and return air openings shall be flanged. Evaporator coil condensate drain shall be provided. All models shall have low voltage terminal stripLifting brackets shall be factory installed on all models.

Service Access - All components, wiring and inspection areas shall be completely accessible through removable panels.

Supply Air Blowers - Centrifugal supply air blower shall be driven by a multi-speed direct drive motor and be capable of delivering .....cfm (L/s) at an external static pressure of .....inches water gauge (Pa) requiring .....bhp (W) and .....rpm. Blower shall be statically and dynamically balanced.

Condenser Fan(s) - Direct drive propeller type condenser fan(s) shall discharge vertically and be direct driven by a ....hp (W) motor. Fan motor shall be permanently lubricated and inherently protected. Fan(s) shall have a safety guard.

Air Filters - Disposable filters furnished shall have not less than .....sq. ft. (m^2) of free area.

Optional Accessories

Roof Mounting Frame - Furnish and install a steel roof mounting frame for bottom discharge and return air duct connection. It shall mate to the bottom perimeter of the equipment. When flashed into the roof it shall make a unit mounting curb and provide weatherproof duct connection and entry into the conditioned area. Flashing shall be the responsibility of a roofing contractor. Frame design shall be approved by U.S. National Roofing Contractors Association.

Supply and Return Air Transistions - Supply and return transisiton shall be available, for field installation in the roof mounting frame, to facilitate duct connection to the diffuser.

Ceiling Diffusers - Furnish and install a (flush or stepdown) optional combination ceiling supply and return air diffuser. It shall be capable of not less than ..... ft. (m) radius of effective throw.

Economizer Damper Section - Furnish and install complete with controls an air mixing damper assembly including outdoor air and recirculated air dampers.The assembly shall provde for the introduction of outside air for minimum ventilation and free cooling. Damper motor shall be 24 volt three position or fully modulating spring return. Controls shall include electronic discharge air sensor, minimum position potentiometer, and solid-state adjustable enthalpy control. Control option available shall consist of differential enthalpy control (return air sensor). Economizer shall include pressure operated gravity exhaust dampers. Damper blades shall ride in nylon bearings and be gasketed for tight seal and quiet operation. Exhaust dampers shall install in return air duct for horizontal applications.

Horizontal Gravity Exhaust Dampers - Pressure operated dampers shall install in return air duct for horizontal applications. Damper blades shall ride in nylon bearings and be gasketed for tight seal and quiet operation.

Outdoor Air Damper Section - Optional outdoor dampers shall be available to provide outdoor air requirements of up to 25%. Damper section field installs external to the unit. Shall be equipped with filter for extra filtering and bird screen protection.

Stand-Off Mounting Kit - Optional kit shall be available to elevate unit above mounting surface in horizontal applications.

Roof Curb Power Entry Kit - Optional kit shall provide power entry to the unit through the roof mounting frame.

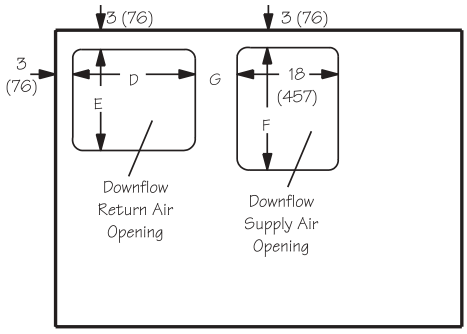
Dimensions - inches (mm)

Corner Weights - lbs (kg)

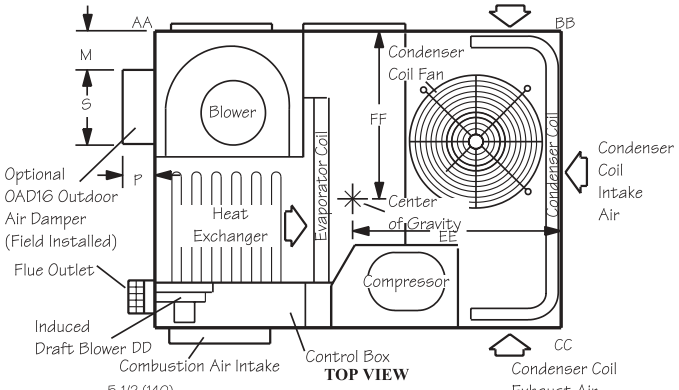
Model Number	AA		BB		CC		DD	
	lbs.	kg	lbs.	kg	lbs.	kg	lbs.	kg
GCS16-024	76	35	65	29	96	44	113	52
GCS16-030	81	37	69	31	102	46	121	55
GCS16-036	81	37	68	31	101	46	120	54
GCS16-048	111	50	97	44	135	61	154	70
GCS16-060	117	53	103	47	143	65	163	74

Center of Gravity - in. (mm)

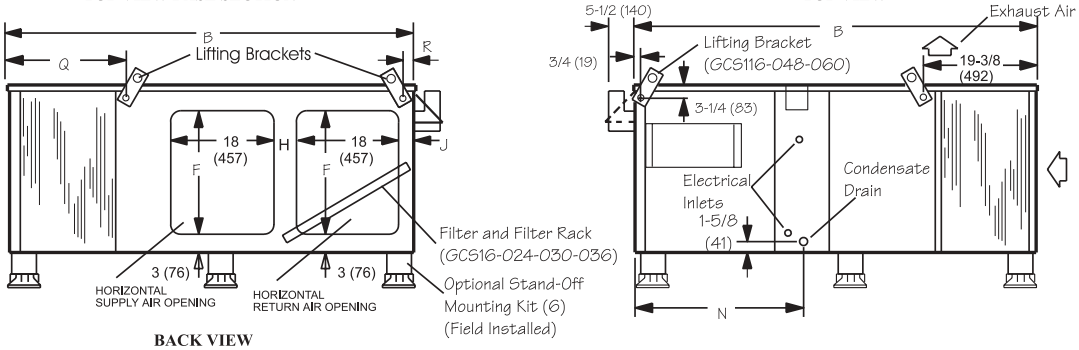
Model Number	EE		FF	
	inch	mm	inch	mm
GCS16-024	32 1/2	826	27 1/2	699
GCS16-030				
GCS16-036				
GCS16-048	38 5/8	981	30 1/4	768
GCS16-060				



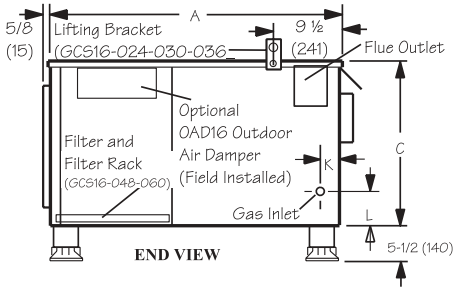
TOP VIEW BASE SECTION



TOP VIEW

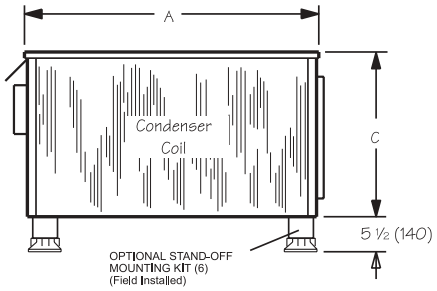


BACK VIEW
(With Horizontal Supply & Return Air)



END VIEW

FRONT VIEW



Model Number	A		B		C		D		E		F		G	
	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm
GCS16-024/030/036	46	1168	60	1524	23	584	18	457	13	330	13	330	10	254
GCS16-048/060	52	1321	72 1/2	1842	29	737	22	559	18	457	22	559	7 1/2	191

Model Number	H		J		K		L		M		N		P		Q		R		S	
	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm
GCS16-024/030/036	3	76	4	102	2 1/4	57	10 5/8	270	2	51	26 3/4	679	5	127	20 5/16	516	4 1/8	105	13 3/4	349
GCS16-048/060	5	127	3	76	3 3/8	86	13 1/8	333	5	127	28	711	8	203	19 3/16	487	3/4	19	13 3/4	349

Accessory Dimensions - inches (mm)

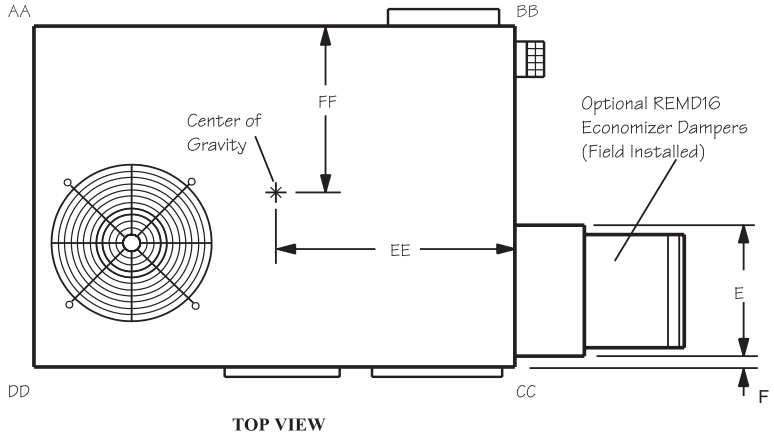
GCS16 Unit with REMD16M Economizer Damper Section and RMF16 Roof Mounting Frame

Corner Weights - lbs. (kg)

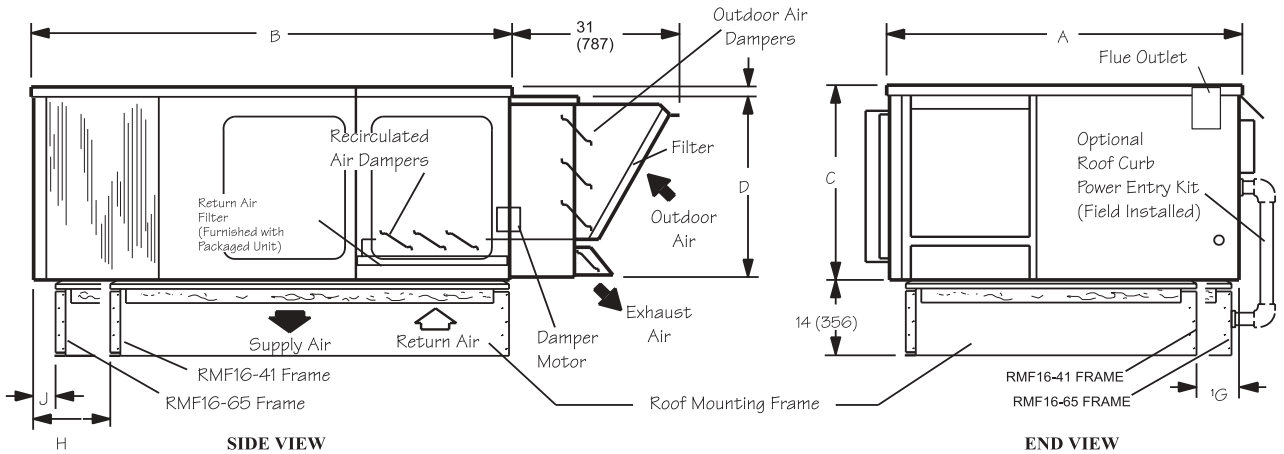
Model Number	AA		BB		CC		DD	
	lbs.	kg	lbs.	kg	lbs.	kg	lbs.	kg
GCS16-024	108	49	149	68	126	57	90	41
GCS16-030	113	51	157	71	132	60	95	43
GCS16-036	112	51	156	71	131	59	94	43
GCS16-048	145	66	197	90	176	80	129	59
GCS16-060	152	69	206	94	184	84	135	62

Center of Gravity - inches (mm)

Model Number	EE		FF	
	inch	mm	inch	mm
GCS16-024	25 1/8	638	21	533
GCS16-030				
GCS16-036				
GCS16-048	30 3/4	781	24 1/2	622
GCS16-060				



TOP VIEW



SIDE VIEW

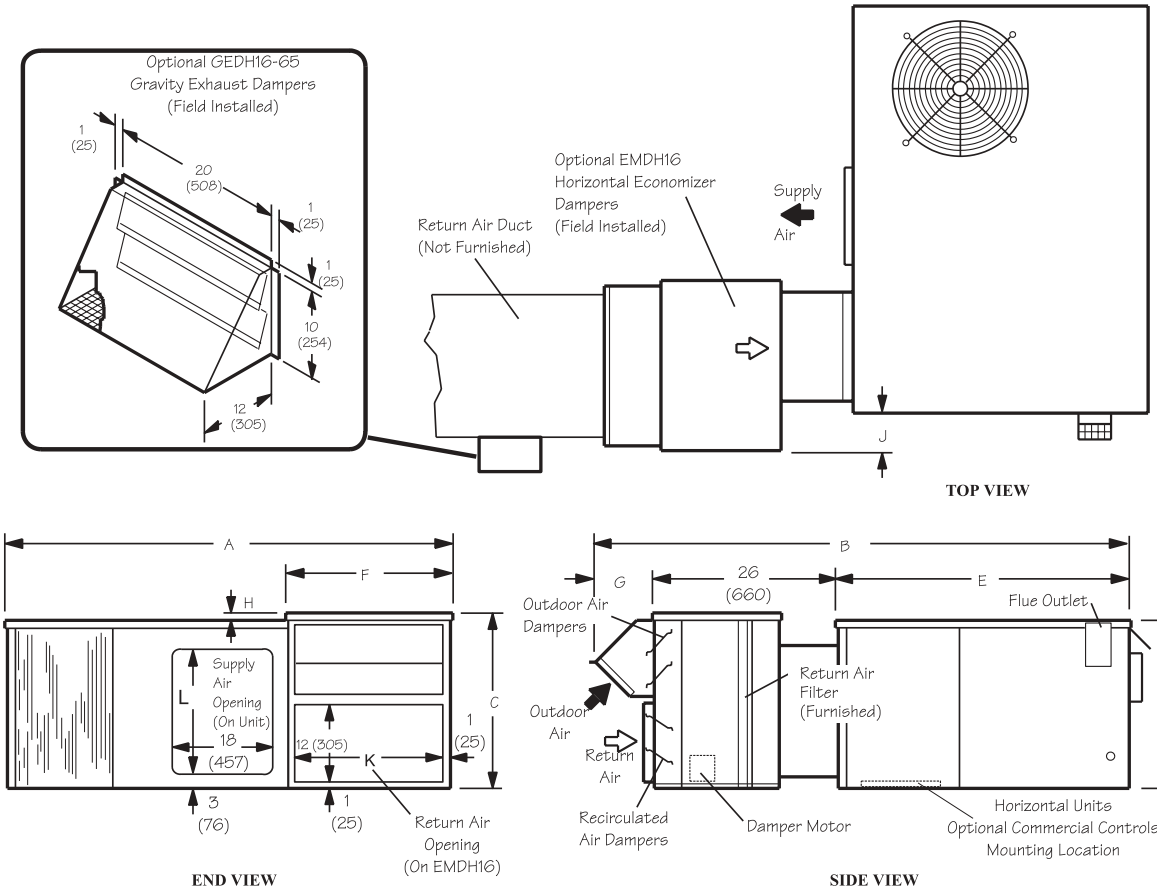
END VIEW

Model Number	A		B		C		D		E		F		*G		*H		J	
	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm
GCS16-024/030/036	46	1168	60	1524	23	584	21 3/4	552	16 1/4	413	3/4	19	---	---	---	---	---	---
GCS16-048/060	52	1321	72 1/2	1842	29	737	27 3/4	705	20 7/16	519	1 1/2	38	7	178	16	406	3 1/2	89

*Dimensions reflect usage with RMF16-41 mounting frame.

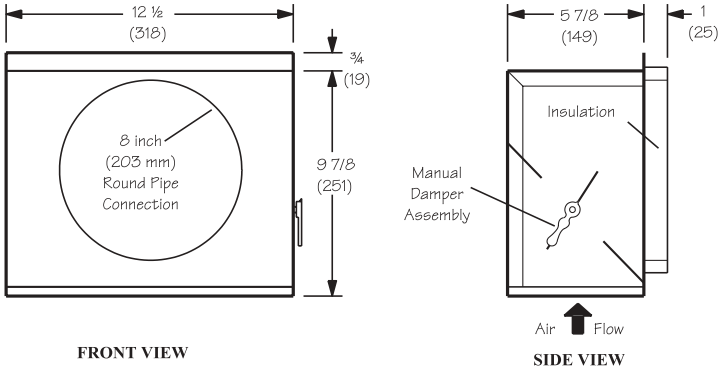
Accessory Dimensions - inches (mm)

GCS16 Unit with EMDH16 Horizontal Economizer Damper Section and GEDH16-65 Gravity Exhaust Damper



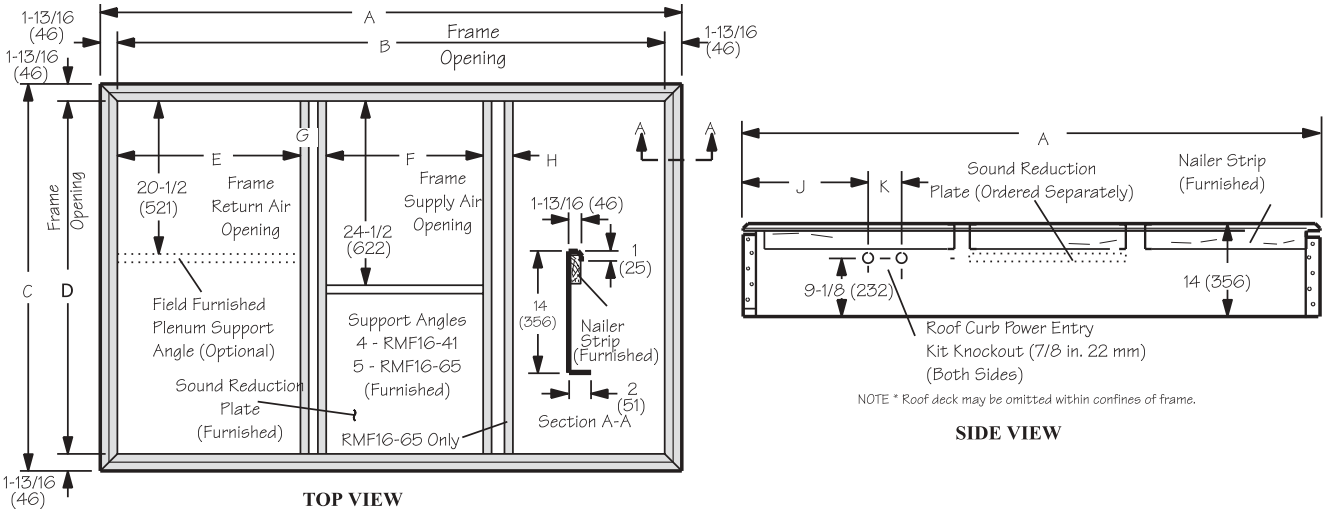
Model Number	A		B		C		D		E		F		G		H		J		K		L	
	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm
GCS16-024/030/036	63	1600	81 1/2	2070	26	660	23	584	46	1168	26	660	9 1/2	241	3	76	3	76	24	610	13	330
GCS16-048/060	79 1/2	2019	90	8100	30 3/8	772	29	737	52	1321	30 1/2	775	12	305	1 1/2	38	7	178	28 7/8	733	22	559

OAD3-46/65 Manual Minimum Outdoor Air Damper



Accessory Dimensions - inches (mm)

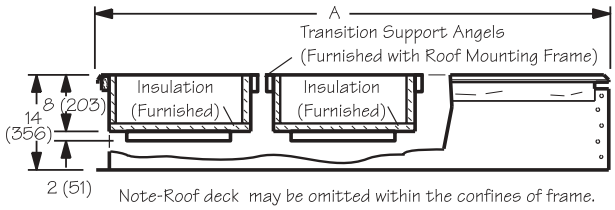
RMF16-41 & 65 Roof Mounting Frame with Double Duct Opening

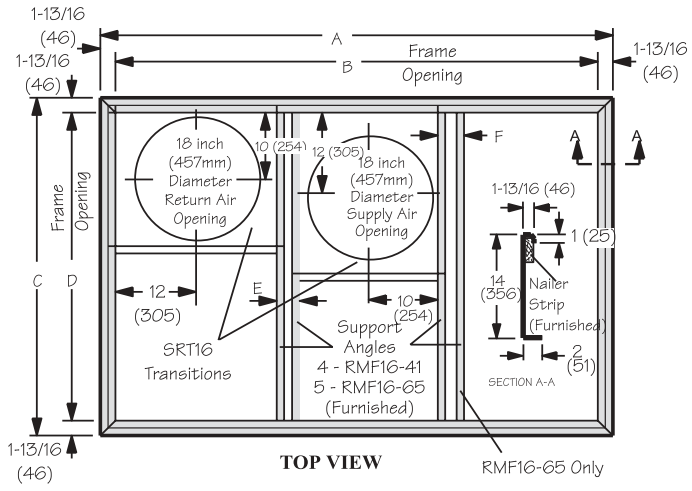


Model Number	A		B		C		D		E		F		G		H		J		K	
	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm
RMF16-41	56 3/8	1432	52 3/4	1340	44 1/8	1121	40 1/2	1029	24 3/8	619	20 9/16	522	*4	*102	--	---	22 3/16	564	4 1/2	114
RMF16-65	69	1753	65 3/8	1661	50 1/2	1283	46 7/8	1191	24 1/4	616	20 1/2	521	4	102	4	102	27	686	5	127

*3 1/4 inches (83 mm) for GCS16-024-030-036.

RMF16-41 & 65 Roof Mounting Frames with SRT16-65 Supply and Return Air Transitions for FD9-65 & RTD9-65 Ceiling Diffusers



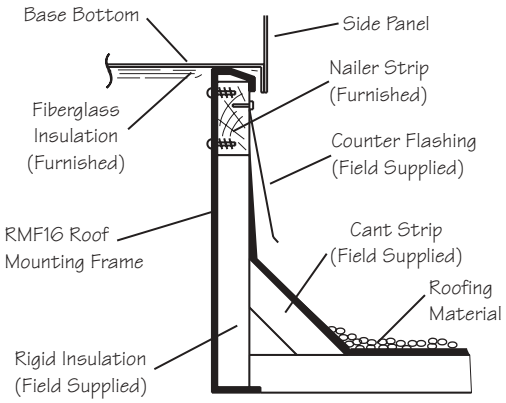


Model Number	A		B		C		D		E		F	
	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm
RMF16-41 with SRT16-65	56 3/8	1432	52 3/4	1340	44 1/8	1121	40 1/2	1029	*4	*102	--	--
RMF16-65 with SRT16-65	69	1753	65 3/8	1661	50 1/2	1283	46 7/8	1191	4	102	4	102

*3 1/4 inches (83 mm) for GCS16-024-030-036.

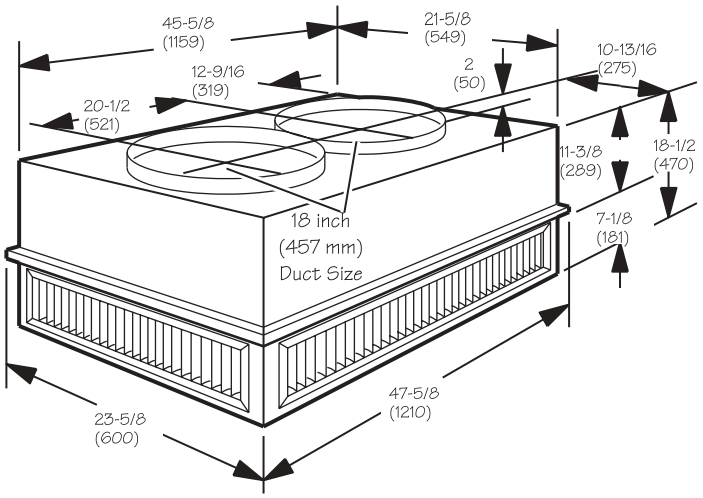
Accessory Dimensions - inches (mm)

Typical Flashing Detail for RMF16 Roof Mounting Frame

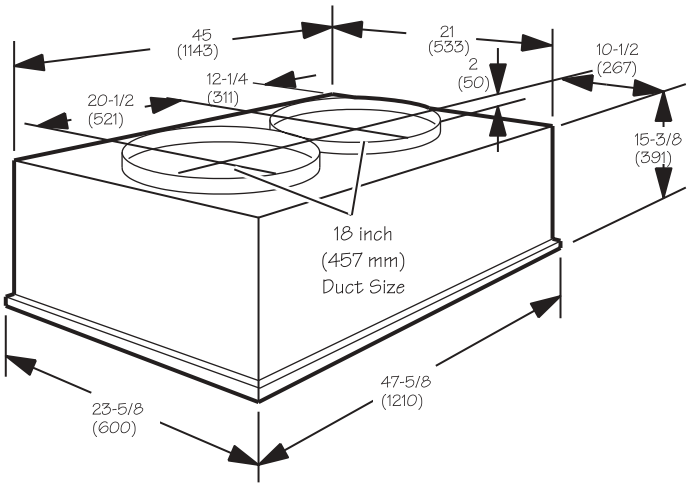


Combination Ceiling Supply and Return Diffusers

RTD9-65 STEP-DOWN CEILING DIFFUSER

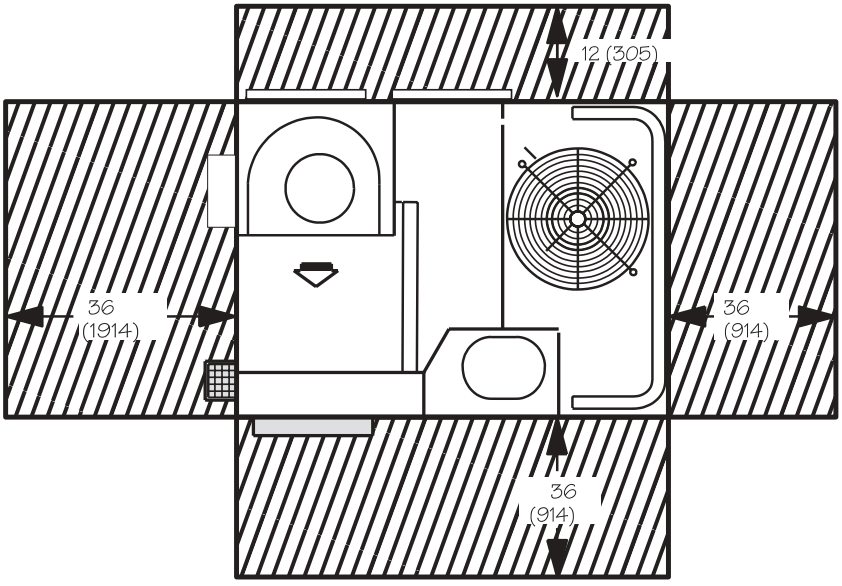


FD9-65 FLUSH CEILING DIFFUSER



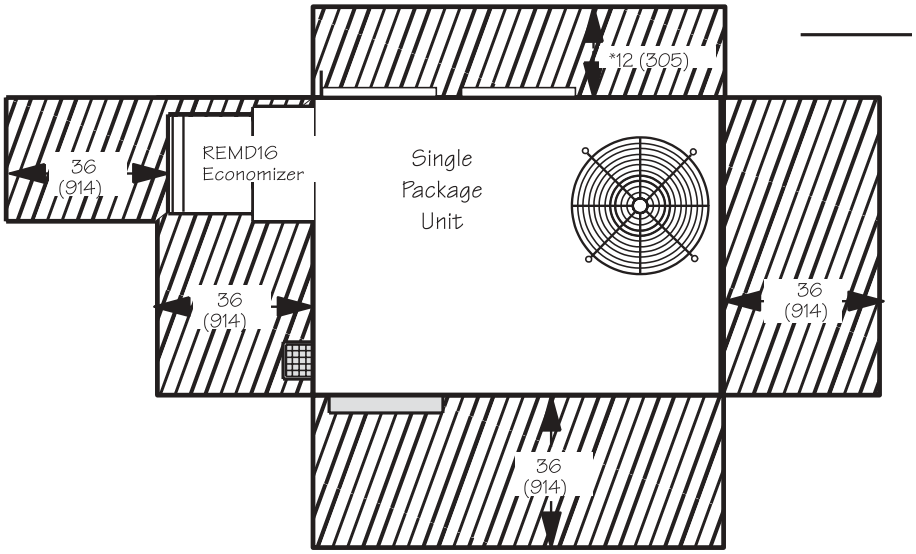
Installation Clearances - inches (mm)

GCS16 Basic Unit



NOTE * Top Clearance 60 in. (1524 mm).
NOTE * Entire perimeter of unit requires support when elevated above mounting surface.

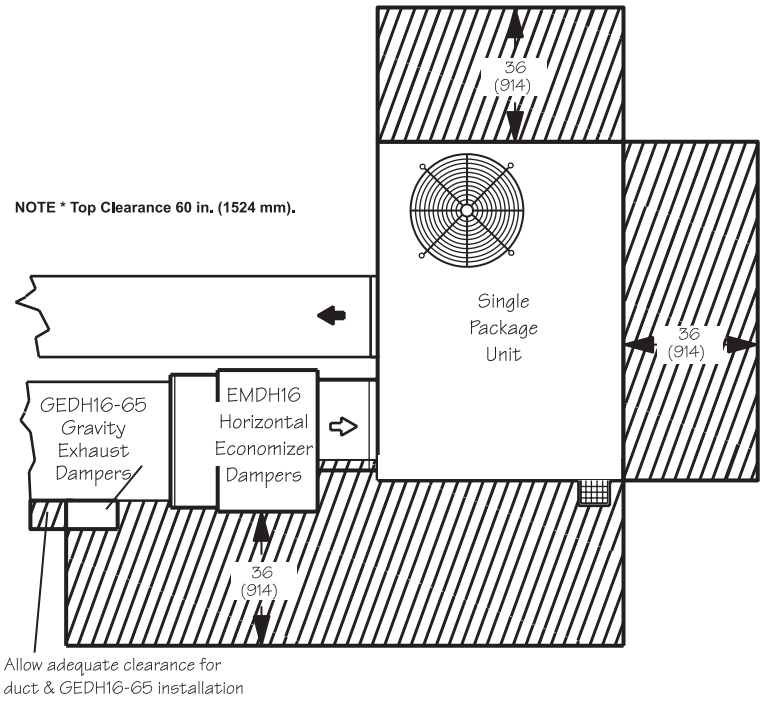
GCS16 with REMD16 Economizer



NOTE * Top Clearance 60 in. (1524 mm).

Installation Clearances - inches (mm)

GCS16 Unit with EMD16 Horiz. Economizer and GEDH16-65 Gravity Exhaust Dampers



All specifications are subject to change without notice.

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