

Models G and GB

Spun Aluminum • Downblast Centrifugal Roof Exhaust Fans

Model Comparison

Model	Location		Mounting					Airflow				Application						Drive Type		Impeller Type			Performance		
	Outdoor	Indoor	Roof Curb	Base/Floor	Hanging	Wall	Ceiling Mounted	Exhaust	Supply	Reversible	Recirculate	General/Clean Air	Contaminated Air	Spark Resistant	Grease (UL 762)	Smoke Control (UL)*	High Wind**	Continuous High Temp (above 200°F)	Belt	Direct	Centrifugal	Propeller/Axial	Mixed Flow	Maximum Volume (cfm)	Maximum Static Pressure (in. wg)
G	✓		✓					✓				✓		✓			✓			✓	✓			14,500	2.75
GB	✓		✓					✓				✓		✓		✓	✓		✓		✓			44,700	3.25

* Smoke control available on models: 100, 100HP, 120, 130, 140, 140HP, 160, 160HP, 200, 240, 300, 360, 420 and 480

** High wind limited to sizes 300 and smaller

Greenheck models G and GB centrifugal roof exhaust fans provide the industry's best performance and durability for general clean air applications where air is discharged downward, toward the roof surface.

- Broadest performance in the industry, up to 3.25 in. wg (810 Pa) and 44,700 cfm (75,945 m³/hr).
- Most advanced motor cooling of any fan in its class.
- Performance as cataloged is ensured. All fan sizes are tested in our AMCA accredited laboratory, and all models are licensed to bear the AMCA Sound, Air and FEI Performance seals.
- UL Listed for electrical.
- Greenheck subjects these products to extensive life testing ensuring the fans will provide years of reliable performance.

Direct Drive, G

- Use for short and/or low resistance ductwork

Belt Drive, GB

- For average length and/or average resistance ductwork
- High volume/average pressure

High Pressure, G-HP and GB-HP

- For long and/or high resistance ductwork
- Low volume/high pressure



Standard Construction Features

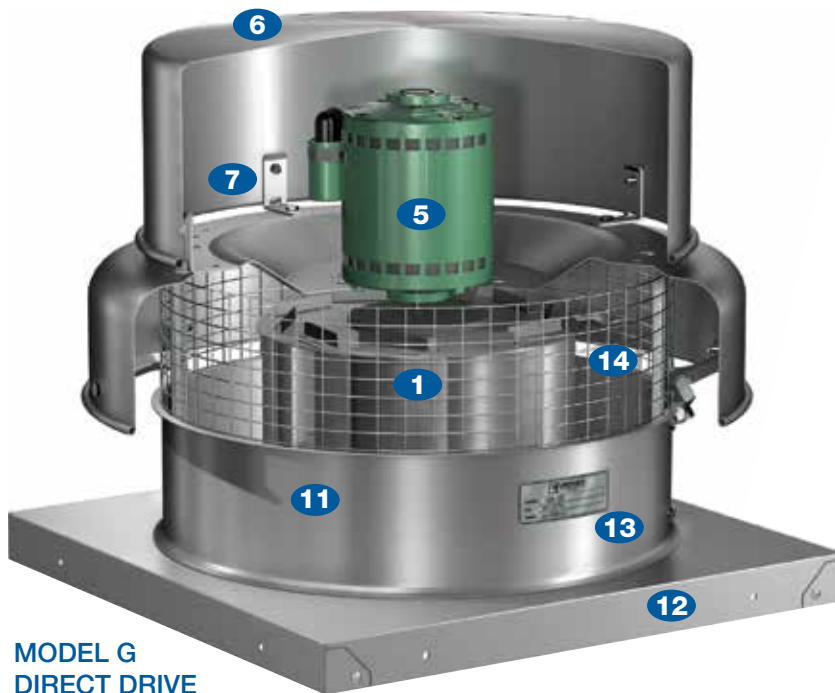
1	Wheel	A backward-inclined, non-overloading centrifugal wheel is utilized to generate high efficiency and minimal sound. Wheel cones are carefully matched to the venturi for maximum efficiency. Each wheel is robotically welded and statically and dynamically balanced for long life and quiet operation.
2	Disconnect Switch	NEMA-1 switch is factory-mounted and wiring is provided from the motor as standard (other switches are available). All wiring and electrical components comply with the National Electrical Code® (NEC) and are either UL Listed or Recognized.
3	Fan Shaft	Precisely sized, ground and polished, so the first critical speed is at least 25% over the maximum operating speed. Where the shaft makes contact with bearings, tight tolerances result in longer bearing life.
4	Bearings	100% factory tested and designed specifically for air handling applications with a minimum L ₁₀ life in excess of 100,000 hours (L ₅₀ life of 500,000 hours).
5	Motor	Carefully matched to the fan load and mounted out of the airstream.
6	Motor Cover	Constructed of aluminum and attached with fasteners for easy removal and access to motor compartment and drive assembly.
7	Motor Cooling	Cooling fins located on top of the fan wheel draw outside air through a large space between the fan shroud and the motor cover directly into the motor compartment. Positive motor cooling with fresh air results in maximum motor life.
8	Lifting Points	Various lifting points are located on the drive frame and bearing plate (on select sizes).
9	True Vibration Isolation	Vibration isolators, with no metal-to-metal contact, support the drive assembly and wheel for long life and quiet operation.
10	Drive Assembly	Belts, pulleys, and keys are oversized 150% of driven horsepower. Machined-cast pulleys are adjustable for final system balancing. Belts are static-free and oil-resistant.
11	Lower Windband	Heavy-gauge aluminum with formed edges for added strength and provides weather resistance.
12	Curb Cap	Curb cap (with integral deep spun venturi) is constructed of aluminum and is one-piece for a weathertight fit.
Not Shown	Internal Conduit Chase	A large diameter conduit for installing electrical wiring through the curb cap into the motor compartment.
13	Nameplate	Permanent embossed aluminum plate for exact model and serial number identification.
14	Galvanized Birdscreen	Rigid wire protects the fan discharge from birds and small objects.
15	Fan Shroud	One-piece, heavy-gauge aluminum with a rolled bead for extra strength directs exhaust air downward.
16	Mounting Holes	Curb cap has prepunched mounting holes to ensure correct attachment to the roof.

High Wind Construction Features

17	Internal Supports	Heavy-gauge supports and bracing are added for additional strength to withstand a load of 75 psf.
18	Reinforced Windband	High wind fans include additional reinforcement for maximum strength.
	Roof Curb (page 11)	High wind load fans are certified for use with Greenheck model GPFHL, GPFHD, GPF or equivalent in high wind applications. Roof curbs ship separate for field installation with attachment details provided.

Construction Features

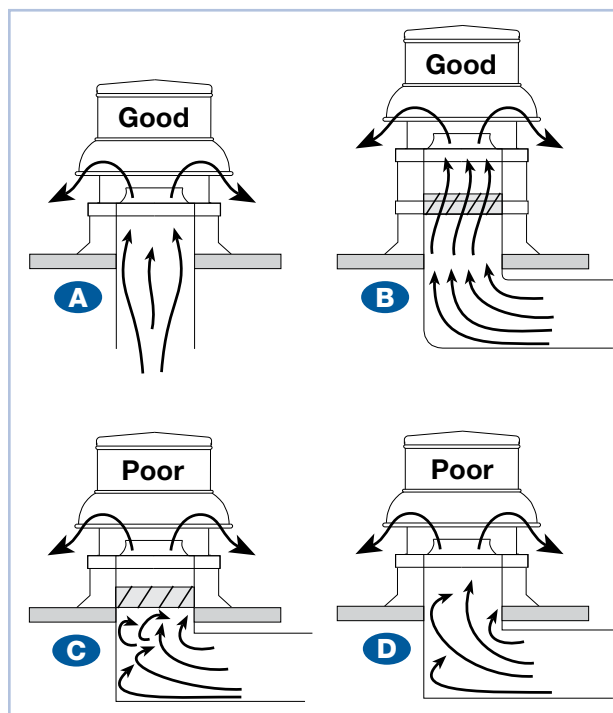
Models G and GB



Fan Inlet Connections

To ensure proper fan performance, exercise caution in fan placement and connection to the ventilation system. Obstructions, transitions, poorly designed elbows, improperly selected dampers, etc., can cause reduced performance, excessive noise, and increased mechanical stress. For performance to be as published, the system must provide uniform and stable airflow into the fan.

- A** Provide uniform airflow at fan inlet to ensure optimum performance.
- B** Provide uniform airflow at fan inlet and through the damper to ensure optimum performance.
- C** Dampers must open fully. Use motorized dampers in low airflow applications to reduce losses.
- D** Avoid sharp turns or entrance conditions that cause uneven flow. Use turning vanes in elbows to reduce adverse effects.



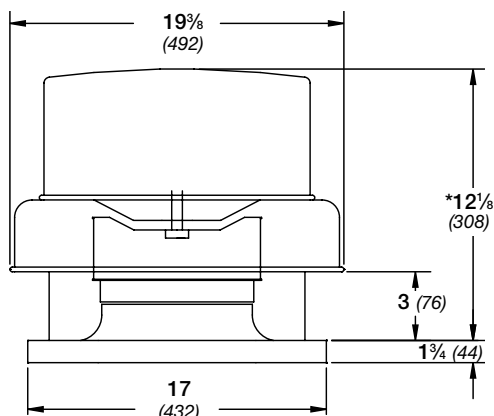
Model Number Code

The model number code system is designed to completely identify the fan. The correct code letters must be specified to designate belt or direct drive. The remainder of the model code is determined by the size and performance

GB - 240HP - A - 5 - VG/VGD - 1 - 34 - X				
Configuration	Fan Size	Motor RPM (Direct Drive only)	Motor HP	Curb Cap Size (inches)
G - Direct Drive	060 through 540	A = 1725 B = 1140 C = 860	6 = 1/6 4 = 1/4 3 = 1/3 5 = 1/2 7 = 3/4	X = UL 705 F = UL Smoke Control Systems
GB - Belt Drive		D = 1550 E = 1050 G = 1300	10 = 1 15 = 1 1/2 20 = 2 30 = 3 50 = 5 75 = 7 1/2 100 = 10 150 = 15	
	Wheel Pressure Level			Performance Revision
	HP - High Pressure			
		VG = Vari-Green®		
		VGD = Vari-Green Drive®		

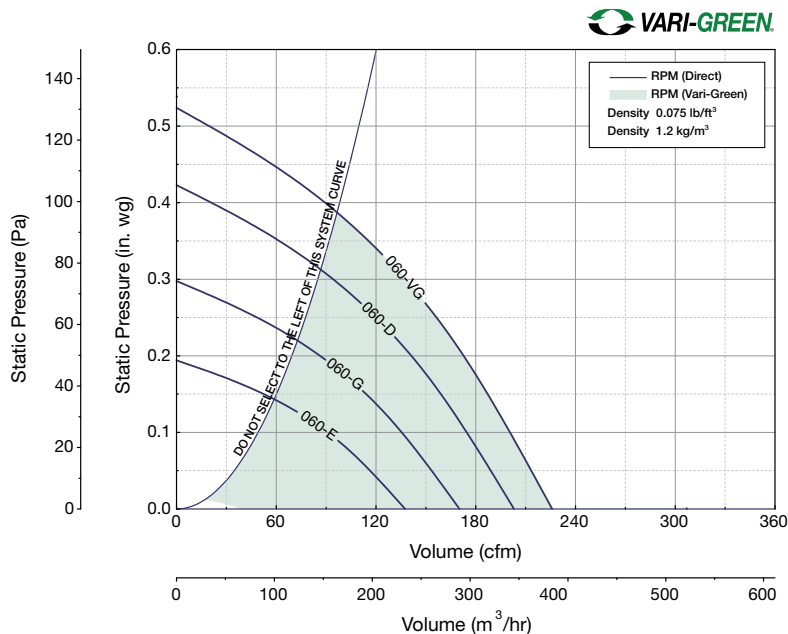
International
(See CAPS for performance)
K = 950 RPM J = 1475 RPM

Roof Downblast Exhaust Size-060: G



Damper Size = 8 x 8 (203 x 203)
 Roof Opening = $13\frac{1}{2}$ x $13\frac{1}{2}$ (343 x 343)
 Shroud Thickness = 0.064 (1.6)
 Motor Cover Thickness = 0.040 (1.0)
 Curb Cap Thickness = 0.064 (1.6)
 ^Approximate Unit Weight = 15 lbs. (7 kg)

All dimensions in inches (millimeters). *May be greater depending on motor.
 ^Weight shown is largest cataloged Open Drip-Proof motor.



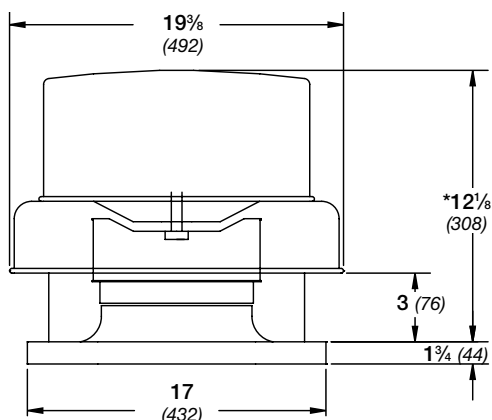
Direct Drive RPM

E-1050 RPM G-1300 RPM D-1550 RPM VG-1725 RPM

Direct Drive	Motor HP	Fan RPM		Static Pressure in Inches wg									
				0	0.05	0.1	0.125	0.15	0.2	0.25	0.3	0.375	0.4
060													
VG-1/15 or 1/10 VARI-GREEN	E-1/200	1050	CFM	138	116	90	73	53					
			BHP	0.00	0.00	0.01	0.01	0.01					
			Sones	1.7	1.7	1.7	1.7	1.7					
	G-1/100	1300	CFM	170	153	135	125	113	85				
			BHP	0.01	0.01	0.01	0.01	0.01	0.01				
			Sones	2.9	2.8	2.8	2.7	2.7	2.6				
	D-1/60	1550	CFM	203	188	173	166	158	140	120	92		
			BHP	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02		
			Sones	4.3	3.9	3.8	3.8	3.8	3.7	3.7	3.6		
		1725	CFM	226	213	199	193	186	173	155	137	101	89
			BHP	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
			Sones	5.4	4.9	4.9	4.8	4.8	4.8	4.7	4.6	4.5	4.4

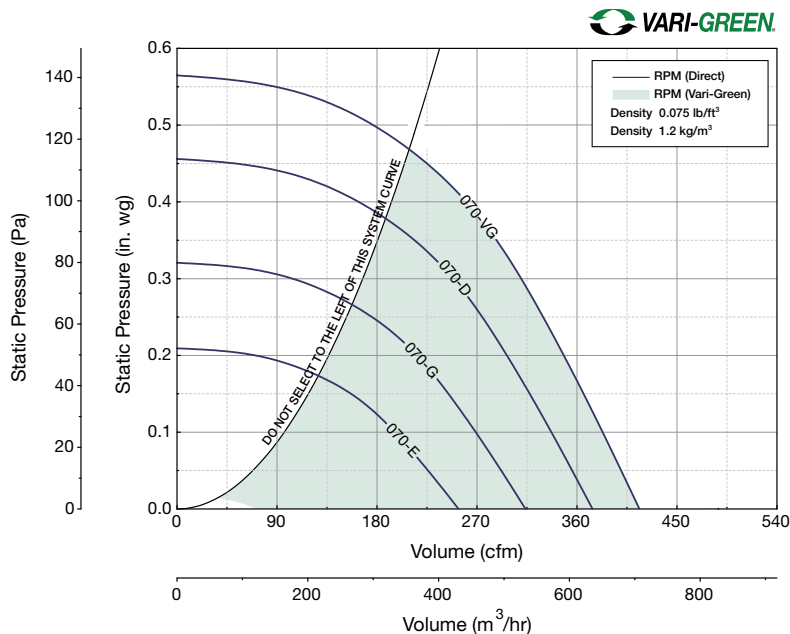
Performance certified is for installation type A: Free inlet, Free outlet. Power rating (BHP) does not include transmission losses. Performance ratings include the effects of a birdscreen. The sound ratings shown are loudness values in hemispherical sones at 5 ft. (1.5 m) in a hemispherical free field calculated per AMCA Standard 301. Values shown are for installation type A: free inlet hemispherical sone levels.

Roof Downblast Exhaust Size-070: G



Damper Size = 8 x 8 (203 x 203)
 Roof Opening = $13\frac{1}{2}$ x $13\frac{1}{2}$ (343 x 343)
 Shroud Thickness = 0.064 (1.6)
 Motor Cover Thickness = 0.040 (1.0)
 Curb Cap Thickness = 0.064 (1.6)
 ^Approximate Unit Weight = 15 lbs. (7 kg)

All dimensions in inches (millimeters). *May be greater depending on motor.
 ^Weight shown is largest cataloged Open Drip-Proof motor.



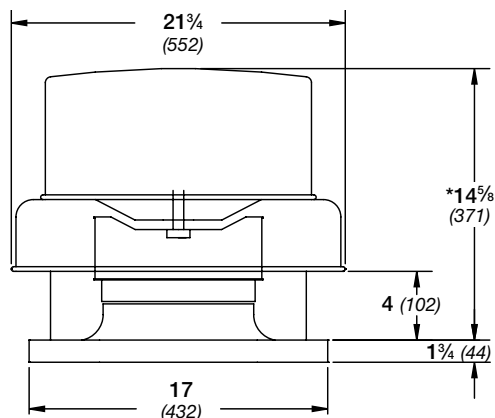
Direct Drive RPM

E-1050 RPM G-1300 RPM D-1550 RPM VG-1725 RPM

Direct Drive	Motor HP	Fan RPM		Static Pressure in Inches wg									
				0	0.05	0.1	0.125	0.15	0.2	0.25	0.3	0.375	0.4
VARI-GREEN VG-1/15 or 1/10	E-1/100	1050	CFM	253	226	195	179	152					
			BHP	0.01	0.01	0.01	0.01	0.01					
			Sones	2.7	2.1	1.7	1.5	1.2					
	G-1/60	1300	CFM	314	292	269	257	244	214	171			
			BHP	0.01	0.01	0.02	0.02	0.02	0.02	0.02			
			Sones	4.1	3.7	3.4	3.3	3.2	2.9	2.6			
	D-1/30	1550	CFM	374	356	337	327	317	297	274	244	190	
			BHP	0.02	0.02	0.02	0.03	0.03	0.03	0.03	0.03	0.03	
			Sones	5.6	5.4	5.2	5.1	5.1	4.9	4.7	4.5	4.1	
		1725	CFM	416	400	383	375	366	348	329	309	270	253
			BHP	0.03	0.03	0.03	0.03	0.03	0.04	0.04	0.04	0.04	0.04
			Sones	6.8	6.7	6.7	6.6	6.6	6.5	6.3	6.2	5.9	5.7

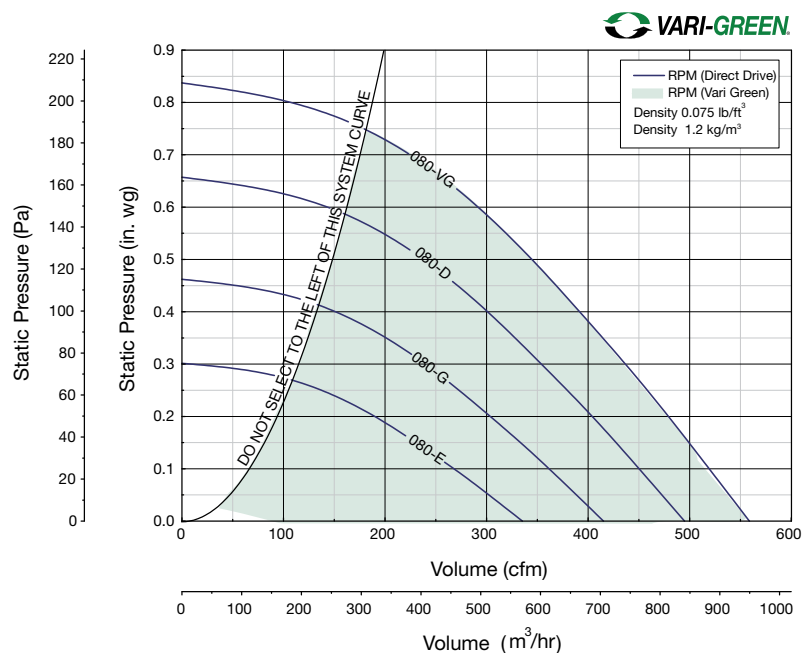
Performance certified is for installation type A: Free inlet, Free outlet. Power rating (BHP) does not include transmission losses. Performance ratings include the effects of a birdscreen. The sound ratings shown are loudness values in hemispherical sones at 5 ft. (1.5 m) in a hemispherical free field calculated per AMCA Standard 301. Values shown are for installation type A: free inlet hemispherical sone levels.

Roof Downblast Exhaust Size-080: G



Damper Size = 10 x 10 (254 x 254)
 Roof Opening = 13 1/2 x 13 1/2 (343 x 343)
 Shroud Thickness = 0.064 (1.6)
 Motor Cover Thickness = 0.040 (1.0)
 Curb Cap Thickness = 0.064 (1.6)
 ^Approximate Unit Weight = 19 lbs. (9 kg)

All dimensions in inches (millimeters). *May be greater depending on motor.
 ^Weight shown is largest cataloged Open Drip-Proof motor.



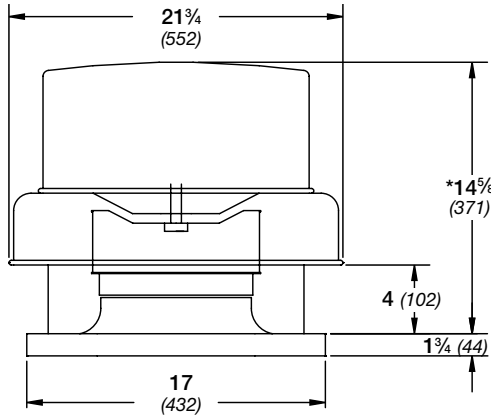
Direct Drive RPM

E-1050 RPM G-1300 RPM D-1550 RPM VG-1725 RPM

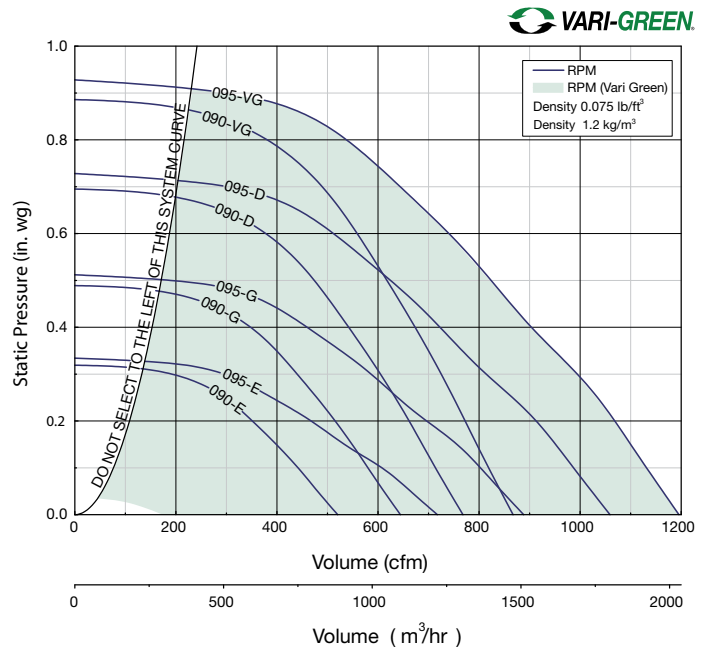
Direct Drive	Motor HP	Fan RPM	Static Pressure in Inches wg										
				0	0.1	0.125	0.15	0.2	0.25	0.3	0.375	0.5	0.625
OBO													
VG-1/10 	E-1/40	1050	CFM	335	268	249	230	189	134				
			BHP	0.01	0.02	0.02	0.02	0.02	0.02				
			Sones	3.8	3.7	3.6	3.7	3.9	4.2				
	G-1/30	1300	CFM	415	361	348	333	303	272	239	174		
			BHP	0.02	0.03	0.03	0.03	0.03	0.03	0.03	0.03		
			Sones	5.4	5.4	5.4	5.4	5.4	5.5	5.6	5.9		
	D-1/20	1550	CFM	495	450	439	427	404	379	354	314	237	
			BHP	0.04	0.04	0.04	0.05	0.05	0.05	0.05	0.06	0.06	
			Sones	7.3	7.3	7.3	7.3	7.3	7.2	7.3	7.3	7.6	
		1725	CFM	551	511	501	490	469	449	426	392	332	260
			BHP	0.05	0.06	0.06	0.06	0.06	0.07	0.07	0.07	0.08	0.08
			Sones	9.1	9.1	9.1	9.1	9	8.9	8.9	8.9	9.1	9.4

Performance certified is for installation type A: Free inlet, Free outlet. Power rating (BHP) does not include transmission losses. Performance ratings include the effects of a birdscreen. The sound ratings shown are loudness values in hemispherical sones at 5 ft. (1.5 m) in a hemispherical free field calculated per AMCA Standard 301. Values shown are for installation type A: free inlet hemispherical sone levels.

Roof Downblast Exhaust Sizes-090 • 095: G



Static Pressure (Pa)



Damper Size = 10 x 10 (254 x 254)
Roof Opening = 13 1/2 x 13 1/2 (343 x 343)
Shroud Thickness = 0.064 (1.6)
Motor Cover Thickness = 0.040 (1.0)
Curb Cap Thickness = 0.064 (1.6)
^Approximate Unit Weight = 22 lbs. (10 kg)

All dimensions in inches (millimeters). *May be greater depending on motor.
^Weight shown is largest cataloged Open Drip-Proof motor.

Direct Drive RPM

E-1050 RPM G-1300 RPM D-1550 RPM VG-1725 RPM

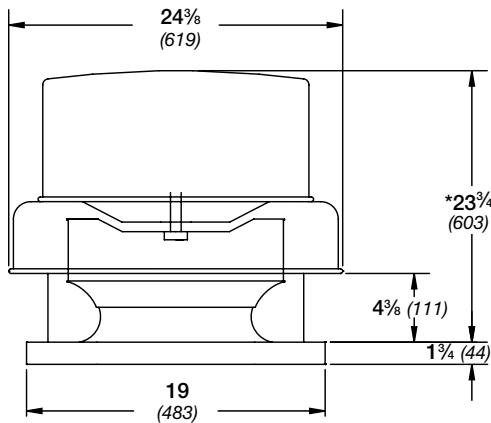
Direct Drive	Motor HP	Fan RPM	Static Pressure in Inches wg											
				0	0.1	0.125	0.15	0.2	0.25	0.3	0.375	0.5	0.625	
090														
VARI-GREEN	VG-1/10	E-1/40	1050	CFM	520	441	420	398	351	293				
				BHP	0.01	0.02	0.02	0.02	0.02	0.02				
				Sones	4	3.9	3.9	4	4.1	4.2				
	G-1/25	1300	CFM	644	580	565	549	515	478	440	373			
			BHP	0.03	0.03	0.04	0.04	0.04	0.04	0.04	0.05			
			Sones	5.4	5.4	5.4	5.4	5.4	5.5	5.5	5.6			
	D-1/15	1550	CFM	768	714	701	688	662	633	605	557	473	338	
			BHP	0.05	0.05	0.06	0.06	0.06	0.06	0.07	0.07	0.08	0.07	
			Sones	7.6	7.5	7.5	7.5	7.5	7.4	7.4	7.4	7.4	7.8	
		1725	CFM	855	806	794	782	759	735	709	671	600	522	
			BHP	0.06	0.07	0.07	0.08	0.08	0.08	0.09	0.09	0.10	0.11	
			Sones	9.7	9.5	9.5	9.5	9.5	9.4	9.4	9.2	9.1	9.1	
095														
VARI-GREEN	VG-1/6	E-1/30	1050	CFM	717	606	570	534	468	389	290			
				BHP	0.03	0.03	0.04	0.04	0.04	0.04	0.03			
				Sones	5.4	4.5	4.5	4.5	4.4	4.5	4.6			
	G-1/12	1300	CFM	888	802	780	754	695	640	586	493	184		
			BHP	0.06	0.06	0.06	0.06	0.07	0.07	0.07	0.07	0.05		
			Sones	7.6	6.8	6.7	6.6	6.5	6.4	6.4	6.4	6.8		
	D-1/8	1550	CFM	1059	987	969	950	912	863	814	745	623	474	
			BHP	0.10	0.10	0.10	0.11	0.11	0.11	0.11	0.12	0.12	0.11	
			Sones	9.6	9.4	9.3	9.2	9	8.8	8.7	8.7	8.7	8.7	
		1725	CFM	1179	1114	1098	1081	1048	1013	969	903	800	688	
			BHP	0.13	0.14	0.14	0.14	0.15	0.15	0.15	0.16	0.16	0.16	
			Sones	11.4	11.4	11.4	11.5	11.4	11.2	11	10.9	11.3	11.3	

Performance certified is for installation type A: Free inlet, Free outlet. Power rating (BHP) does not include transmission losses. Performance ratings include the effects of a birdscreen. The sound ratings shown are loudness values in hemispherical sones at 5 ft. (1.5 m) in a hemispherical free field calculated per AMCA Standard 301. Values shown are for installation type A: free inlet hemispherical sone levels.

Roof Downblast Exhaust

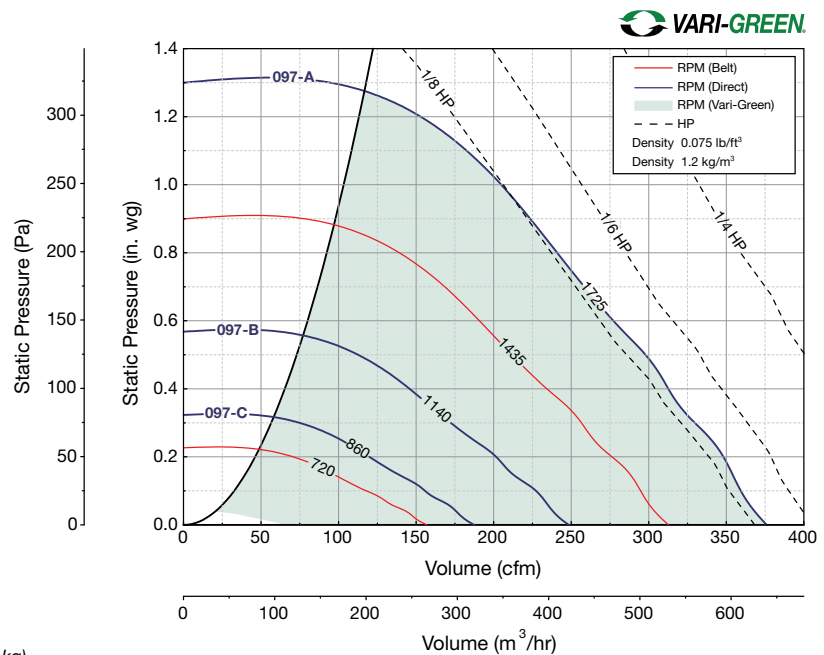
Size-097: GB • G

Previously Size- GB-071



Damper Size = 12 x 12 (305 x 305)
Roof Opening = 15½ x 15½ (394 x 394)
Shroud Thickness = 0.051 (1.3)
Motor Cover Thickness = 0.040 (1.0)
Curb Cap Thickness = 0.064 (1.6)
^Approximate Unit Weight G/GB = 54/60 lbs. (24/27 kg)

All dimensions in inches (millimeters). *May be greater depending on motor. ^Weight shown is largest cataloged Open Drip-Proof motor.



Direct Drive RPM

C-860 RPM B-1140 RPM A-1725 RPM VG-1725 RPM

Motor HP		Fan RPM		Static Pressure in Inches wg										
Belt	Direct			0	0.125	0.25	0.375	0.5	0.625	0.75	0.875	1	1.125	
097														
1/6 or 1/8		VG-1/4	720	CFM	157	107								
				BHP	0.01	0.01								
				Sones	1.8	2.0								
		790	CFM	172	128	70								
			BHP	0.01	0.01	0.01								
			Sones	2.3	2.3	2.2								
		C-1/8	860	CFM	187	148	101							
				BHP	0.02	0.02	0.02							
				Sones	2.8	2.7	2.7							
		930	CFM	203	166	124								
			BHP	0.02	0.02	0.02								
			Sones	3.3	3.4	3.2								
		1000	CFM	218	184	146	100							
			BHP	0.03	0.03	0.03	0.02							
			Sones	3.9	4.0	3.9	3.6							
		1070	CFM	233	202	167	130							
			BHP	0.03	0.03	0.03	0.03							
			Sones	4.6	4.7	4.5	4.2							
		B-1/6	1140	CFM	248	220	187	152	109					
				BHP	0.04	0.04	0.04	0.04	0.03					
				Sones	5.3	5.4	5.1	4.9	4.7					
		1285	CFM	280	255	228	197	166	127					
			BHP	0.06	0.06	0.06	0.05	0.05	0.05					
			Sones	6.8	6.7	6.6	6.3	6.0	5.9					
		1435	CFM	313	292	265	240	212	185	151				
			BHP	0.08	0.08	0.08	0.08	0.08	0.07	0.07				
			Sones	8.0	8.0	7.9	7.6	7.3	7.1	6.9				
		1580	CFM	344	324	302	281	255	230	205	177	140		
			BHP	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.09	0.09		
			Sones	9.5	9.5	9.4	9.1	8.8	8.5	8.3	8.1	7.9		
		A-1/4	1725	CFM	376	356	339	316	297	273	250	227	205	171
				BHP	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.12	0.12
				Sones	11.3	11.2	11.2	10.8	10.5	10.2	9.9	9.7	9.5	9.3

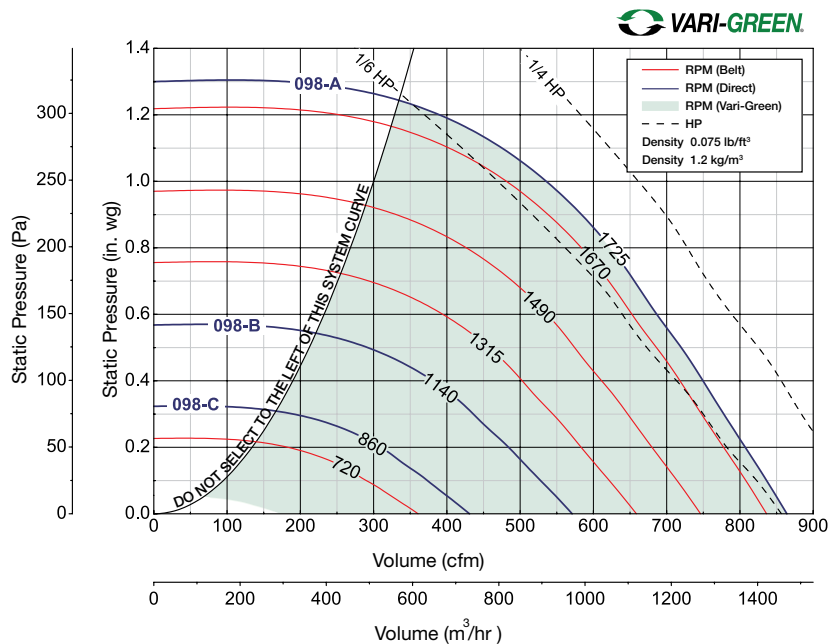
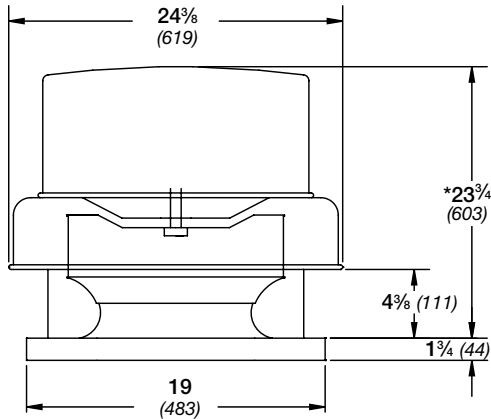
MAXIMUM BHP AT A GIVEN RPM = (RPM/3371)³
MAXIMUM RPM = 1725
TIP SPEED (ft/min) = RPM x 2.929
MAXIMUM MOTOR FRAME SIZE = 56

Performance certified is for installation type A: Free inlet, Free outlet. Power rating (BHP) does not include transmission losses. Performance ratings include the effects of a birdscreen. The sound ratings shown are loudness values in hemispherical sones at 5 ft. (1.5 m) in a hemispherical free field calculated per AMCA Standard 301. Values shown are for installation type A: free inlet hemispherical sone levels.

Roof Downblast Exhaust

Size-098: GB • G

Previously Size- GB-081



Damper Size = 12 x 12 (305 x 305)
Roof Opening = 15 1/2 x 15 1/2 (394 x 394)
Shroud Thickness = 0.051 (1.3)
Motor Cover Thickness = 0.040 (1.0)
Curb Cap Thickness = 0.064 (1.6)
^Approximate Unit Weight G/GB = 54/60 lbs. (24/27 kg)

All dimensions in inches (millimeters). *May be greater depending on motor. ^Weight shown is largest cataloged Open Drip-Proof motor.

Direct Drive RPM

C-860 RPM B-1140 RPM A-1725 RPM VG-1725 RPM

Motor HP		Fan RPM	Static Pressure in Inches wg											
Belt	Direct		0	0.125	0.25	0.375	0.5	0.625	0.75	0.875	1	1.125		
098														
1/6		VG-1/4	720	CFM	361	272								
				BHP	0.01	0.01								
				Sones	3.0	2.7								
			790	CFM	396	315	181							
				BHP	0.02	0.02	0.02							
				Sones	3.5	3.2	3							
			860	CFM	431	358	261							
				BHP	0.02	0.02	0.02							
				Sones	4.0	3.7	3.4							
			930	CFM	466	399	323							
				BHP	0.03	0.03	0.03							
				Sones	4.6	4.4	4.0							
			1000	CFM	501	439	372	259						
				BHP	0.03	0.04	0.04	0.04						
				Sones	5.3	5.1	4.7	4.4						
			1070	CFM	536	478	416	338						
				BHP	0.04	0.04	0.05	0.05						
				Sones	5.9	5.8	5.4	5.0						
			1140	CFM	571	517	460	396	283					
				BHP	0.05	0.05	0.06	0.06	0.05					
				Sones	6.6	6.5	6.1	5.7	5.5					
			1315	CFM	659	612	564	513	456	362				
				BHP	0.08	0.08	0.08	0.09	0.09	0.08				
				Sones	8.3	8.1	7.8	7.4	7.0	6.9				
			1490	CFM	746	706	663	621	574	525	452	353		
				BHP	0.11	0.12	0.12	0.12	0.12	0.12	0.12	0.11		
				Sones	10.1	9.9	9.8	9.3	8.9	8.6	8.5	8.4		
			1670	CFM	836	800	763	725	686	645	603	550	466	377
				BHP	0.16	0.16	0.16	0.17	0.17	0.17	0.17	0.18	0.17	0.16
				Sones	12.0	11.9	11.7	11.4	11.0	10.7	10.4	10.1	10.0	9.9
1/4	A-1/4	1725	CFM	864	829	793	756	719	679	640	592	527	441	
			BHP	0.17	0.18	0.18	0.18	0.19	0.19	0.19	0.19	0.19	0.18	
			Sones	12.7	12.5	12.3	12.1	11.7	11.4	11.1	10.8	10.6	10.5	

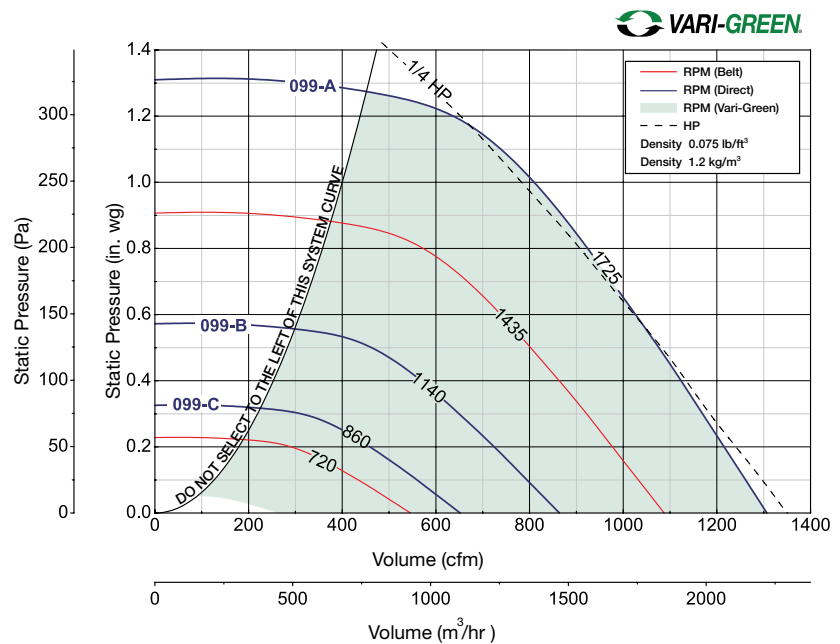
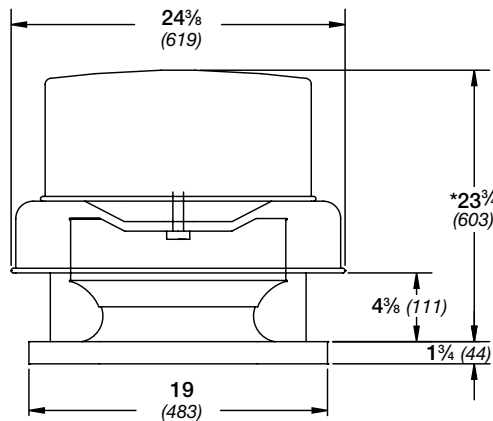
MAXIMUM BHP AT A GIVEN RPM = (RPM/2985)³
MAXIMUM RPM = 1725
TIP SPEED (ft/min) = RPM x 2.929
MAXIMUM MOTOR FRAME SIZE = 56

Performance certified is for installation type A: Free inlet, Free outlet. Power rating (BHP) does not include transmission losses. Performance ratings include the effects of a birdscreen. The sound ratings shown are loudness values in hemispherical sones at 5 ft. (1.5 m) in a hemispherical free field calculated per AMCA Standard 301. Values shown are for installation type A: free inlet hemispherical sone levels.

Roof Downblast Exhaust

Size-099: GB • G

Previously Size- GB-091



Damper Size = 12 x 12 (305 x 305)
Roof Opening = 15 1/2 x 15 1/2 (394 x 394)
Shroud Thickness = 0.051 (1.3)
Motor Cover Thickness = 0.040 (1.0)
Curb Cap Thickness = 0.064 (1.6)
^Approximate Unit Weight G/GB = 54/61 lbs. (24/28 kg)

All dimensions in inches (millimeters). *May be greater depending on motor. ^Weight shown is largest cataloged Open Drip-Proof motor.

Direct Drive RPM

C-860 RPM B-1140 RPM A-1725 RPM VG-1725 RPM

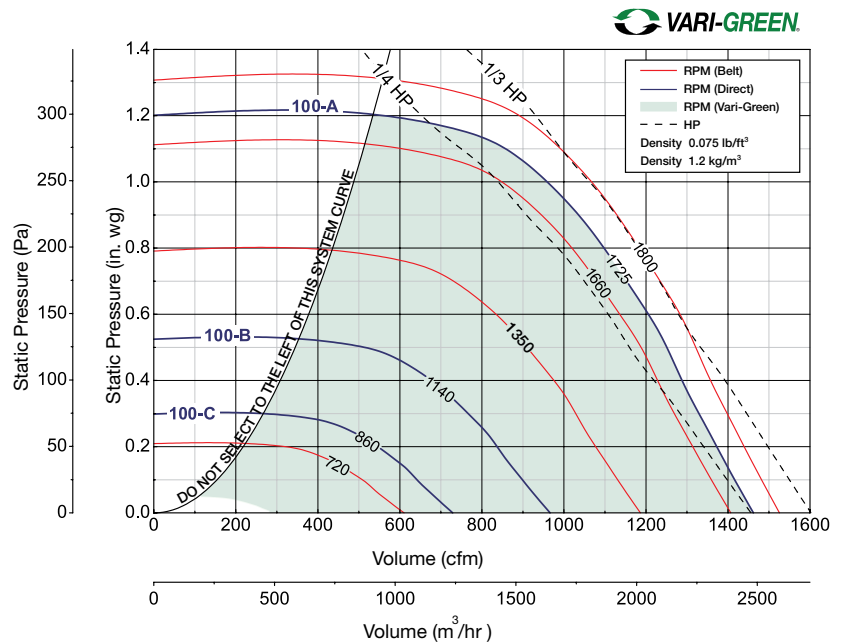
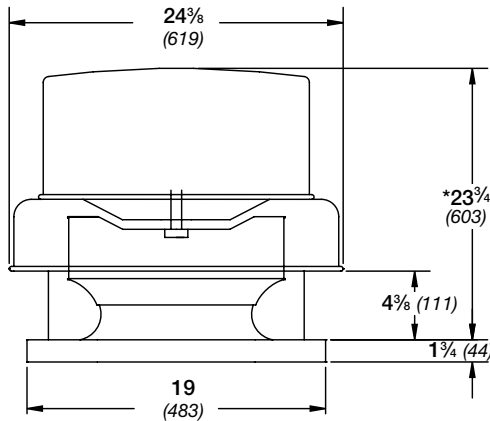
Motor HP		Fan		Static Pressure in Inches wg											
Belt	Direct	RPM		0	0.125	0.25	0.375	0.5	0.625	0.75	0.875	1	1.125		
099															
1/4		VG-1/4	720	CFM	546	403									
				BHP	0.02	0.02									
				Sones	3.6	3.5									
			790	CFM	599	471	291								
				BHP	0.02	0.02	0.02								
				Sones	4.2	4.1	3.9								
			C-1/8	860	CFM	652	536	400							
					BHP	0.03	0.03	0.03							
					Sones	4.9	4.7	4.5							
		B-1/6	930	CFM	705	598	481								
				BHP	0.04	0.04	0.04								
				Sones	5.6	5.5	5.1								
			1000	CFM	758	659	552	414							
				BHP	0.04	0.05	0.05	0.05							
				Sones	6.4	6.2	5.8	5.6							
			1070	CFM	811	718	621	512							
				BHP	0.05	0.06	0.06	0.06							
				Sones	7.3	7.1	6.7	6.3							
			1140	CFM	864	777	687	590	457						
				BHP	0.07	0.07	0.07	0.07	0.07						
				Sones	8.3	8.1	7.6	7.1	6.8						
		A-1/4	1285	CFM	974	897	819	736	647	526					
				BHP	0.09	0.10	0.10	0.10	0.11	0.10					
				Sones	9.5	9.4	9.0	8.5	8.2	7.9					
			1435	CFM	1087	1018	949	877	801	721	615	404			
				BHP	0.13	0.14	0.14	0.14	0.15	0.15	0.15	0.12			
				Sones	10.7	10.6	10.4	10.0	9.6	9.3	9.0	8.4			
			1580	CFM	1197	1135	1072	1009	941	872	799	707	583		
				BHP	0.17	0.18	0.19	0.19	0.19	0.20	0.20	0.20	0.19		
				Sones	12.1	12.0	11.9	11.5	11.2	10.9	10.6	10.3	9.8		
			1725	CFM	1307	1250	1192	1135	1076	1013	949	883	806	707	
				BHP	0.23	0.23	0.24	0.24	0.25	0.25	0.26	0.26	0.26	0.25	
				Sones	13.6	13.5	13.4	13.2	12.9	12.6	12.3	12.0	11.8	11.5	

MAXIMUM BHP AT A GIVEN RPM = (RPM/2703)³
MAXIMUM RPM = 1725
TIP SPEED (ft/min) = RPM x 2.929
MAXIMUM MOTOR FRAME SIZE = 56

Performance certified is for installation type A: Free inlet, Free outlet. Power rating (BHP) does not include transmission losses. Performance ratings include the effects of a birdscreen. The sound ratings shown are loudness values in hemispherical sones at 5 ft. (1.5 m) in a hemispherical free field calculated per AMCA Standard 301. Values shown are for installation type A: free inlet hemispherical sone levels.

Roof Downblast Exhaust Size-100: GB • G

Previously Size- GB-101 • G-103



Damper Size = 12 x 12 (305 x 305)
Roof Opening = 15 1/2 x 15 1/2 (394 x 394)
Shroud Thickness = 0.051 (1.3)
Motor Cover Thickness = 0.040 (1.0)
Curb Cap Thickness = 0.064 (1.6)
^Approximate Unit Weight G/GB = 54/61 lbs. (24/28 kg)

All dimensions in inches (millimeters). *May be greater depending on motor. ^Weight shown is largest cataloged Open Drip-Proof motor.

Direct Drive RPM

C-860 RPM B-1140 RPM A-1725 RPM VG-1725 RPM

Motor HP		Fan RPM		Static Pressure in Inches wg											
Belt	Direct			0	0.125	0.25	0.375	0.5	0.625	0.75	0.875	1	1.25		
100															
1/4		C-1/8	720	CFM	610	477									
				BHP	0.02	0.02									
				Sones	3.8	2.7									
		C-1/8	860	CFM	729	623	473								
				BHP	0.03	0.04	0.04								
				Sones	4.6	3.7	2.9								
		B-1/6	1000	CFM	848	753	654	481							
				BHP	0.05	0.05	0.06	0.05							
				Sones	5.5	4.8	4.4	3.4							
		B-1/6	1140	CFM	966	883	805	702	507						
				BHP	0.07	0.08	0.09	0.09	0.08						
				Sones	6.6	6.0	5.7	5.2	4.1						
		B-1/6	1245	CFM	1055	978	908	824	715						
				BHP	0.10	0.10	0.11	0.11	0.11						
				Sones	7.5	7.0	6.7	6.3	5.7						
		B-1/6	1350	CFM	1144	1073	1006	938	851	731					
				BHP	0.12	0.13	0.13	0.14	0.14	0.14					
				Sones	8.5	8.1	7.8	7.7	7.2	6.7					
		B-1/6	1450	CFM	1229	1162	1099	1041	965	878	750				
				BHP	0.15	0.16	0.16	0.17	0.17	0.17	0.17				
				Sones	9.3	9.0	8.7	8.4	8.0	7.5	6.9				
B-1/6	1555	CFM	1318	1255	1196	1140	1079	1005	917	791					
		BHP	0.19	0.19	0.20	0.21	0.22	0.22	0.22	0.22	0.21				
		Sones	10.2	10.0	9.7	9.4	8.9	8.4	8.0	7.5					
B-1/6	1660	CFM	1407	1348	1292	1238	1187	1122	1050	963	841				
		BHP	0.23	0.23	0.24	0.25	0.26	0.26	0.26	0.26	0.25				
		Sones	11.4	11.1	10.7	10.4	10.1	9.6	9.1	8.7	8.1				
1/3		A-1/4	1725	CFM	1462	1405	1351	1298	1250	1193	1126	1052	955		
				BHP	0.25	0.26	0.27	0.28	0.29	0.29	0.29	0.29	0.29	0.29	
				Sones	12.2	11.9	11.5	11.2	10.9	10.3	10.0	9.5	9.0		
		A-1/4	1800	CFM	1525	1471	1419	1368	1321	1270	1209	1142	1065	793	
				BHP	0.29	0.30	0.30	0.31	0.33	0.33	0.33	0.33	0.33	0.33	0.30
				Sones	13.3	12.8	12.5	12.4	12.2	11.4	10.9	10.6	10.2	9.3	

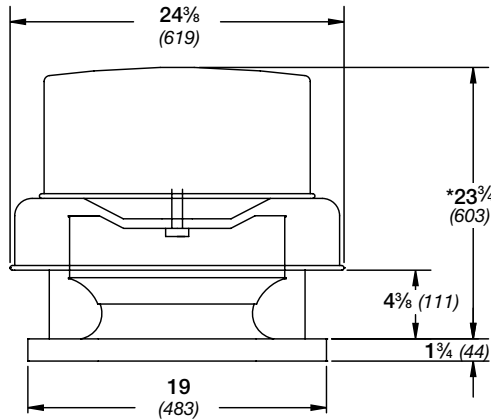
MAXIMUM BHP AT A GIVEN RPM = (RPM/2593)³
MAXIMUM RPM = 1800
TIP SPEED (ft/min) = RPM x 2.913
MAXIMUM MOTOR FRAME SIZE = 56

Performance certified is for installation type A: Free inlet, Free outlet. Power rating (BHP) does not include transmission losses. Performance ratings include the effects of a birdscreen. The sound ratings shown are loudness values in hemispherical sones at 5 ft. (1.5 m) in a hemispherical free field calculated per AMCA Standard 301. Values shown are for installation type A: free inlet hemispherical sone levels.

Roof Downblast Exhaust

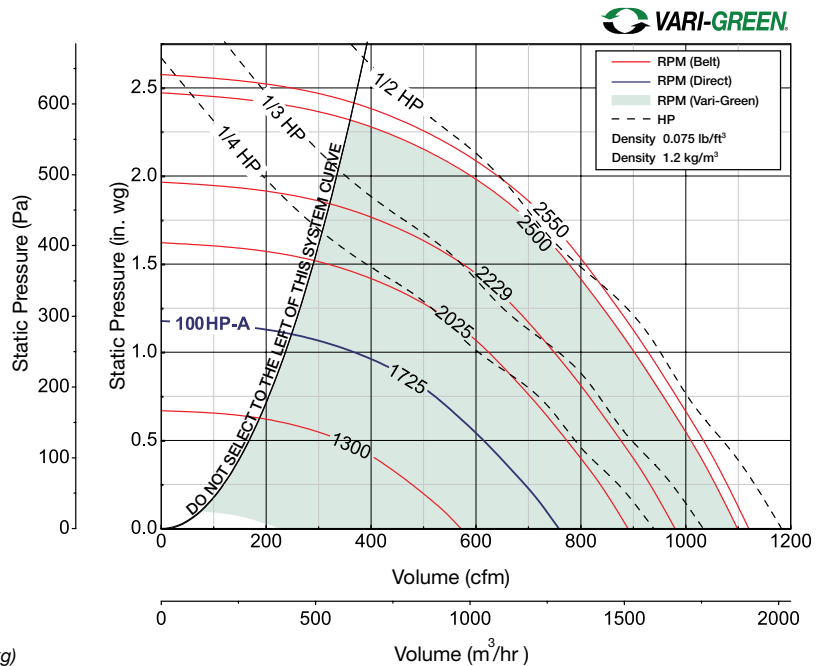
Size-100HP: GB • G

Previously Size- GB-101HP • G-103HP



Damper Size = 12 x 12 (305 x 305)
 Roof Opening = 15 1/2 x 15 1/2 (394 x 394)
 Shroud Thickness = 0.051 (1.3)
 Motor Cover Thickness = 0.040 (1.0)
 Curb Cap Thickness = 0.064 (1.6)
 ^Approximate Unit Weight G/GB = 58/63 lbs. (26/29 kg)

All dimensions in inches (millimeters). *May be greater depending on motor. ^Weight shown is largest cataloged Open Drip-Proof motor.



Direct Drive RPM

A-1725 RPM

VG-2550 RPM

Motor HP		Fan RPM	Static Pressure in Inches wg											
Belt	Direct			0	0.25	0.5	0.75	1	1.25	1.5	1.75	2	2.25	
100HP														
1/4	VG-1/4	A-1/4	1300	CFM	571	477	342							
				BHP	0.06	0.06	0.07							
				Sones	6.6	5.7	5.3							
			1445	CFM	635	553	449	243						
				BHP	0.08	0.09	0.09	0.08						
				Sones	8.4	7.5	7	6.3						
		1590	CFM	699	626	537	417							
			BHP	0.10	0.11	0.12	0.12							
			Sones	10.4	9.5	9.1	8.3							
		1725	CFM	758	692	613	521	364						
			BHP	0.13	0.14	0.15	0.16	0.15						
			Sones	11.4	10.7	10.6	10.1	10						
1/3	VG-1/2	A-1/4	1880	CFM	826	767	697	618	518	337				
				BHP	0.17	0.18	0.19	0.20	0.20	0.18				
				Sones	12.7	12.2	11.9	12	11.4	11.9				
			2025	CFM	890	836	772	702	622	515	313			
				BHP	0.21	0.23	0.24	0.24	0.26	0.25	0.22			
				Sones	14.2	13.6	13.3	13.2	12.6	12	11.4			
		VG-1/2	2137	CFM	939	889	830	765	693	607	474			
				BHP	0.25	0.26	0.28	0.28	0.29	0.30	0.28			
				Sones	15.4	14.8	14.4	14.2	13.4	13.1	12.1			
			2229	CFM	979	931	875	814	748	674	574	406		
				BHP	0.28	0.30	0.31	0.32	0.33	0.35	0.33	0.31		
				Sones	15.8	15.4	14.8	14.5	14.1	13.7	13.2	12.0		
1/2	VARI-GREEN	A-1/4	2336	CFM	1026	981	928	871	809	742	661	543	358	
				BHP	0.33	0.34	0.36	0.36	0.37	0.39	0.40	0.37	0.34	
				Sones	16.4	16	15.4	14.9	14.7	14	14.1	13.5	13.6	
		VG-1/2	2500	CFM	1098	1056	1008	956	901	840	775	695	583	416
				BHP	0.40	0.42	0.43	0.45	0.45	0.46	0.48	0.48	0.46	0.42
				Sones	17.8	17.4	16.9	16.7	15.8	15.5	14.8	15.2	15.7	16.6
		VG-1/2	2550	CFM	1120	1078	1032	982	928	869	807	735	639	497
				BHP	0.43	0.44	0.46	0.47	0.47	0.49	0.51	0.52	0.50	0.47
				Sones	18.2	17.9	17.4	17.2	16.3	16.1	15.1	15.6	16.2	17.2

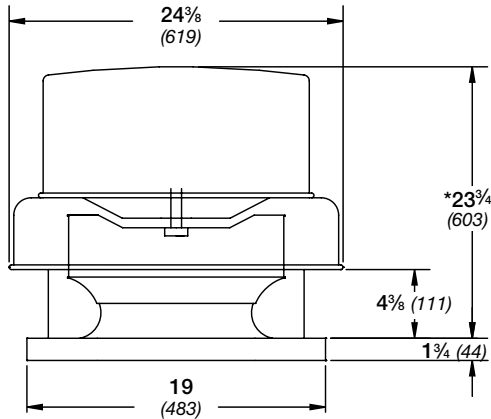
MAXIMUM BHP AT A GIVEN RPM = (RPM/3165)³
 MAXIMUM RPM = 2550
 TIP SPEED (ft/min) = RPM x 2.978
 MAXIMUM MOTOR FRAME SIZE = 56

Performance certified is for installation type A: Free inlet, Free outlet. Power rating (BHP) does not include transmission losses. Performance ratings include the effects of a birdscreen. The sound ratings shown are loudness values in hemispherical sones at 5 ft. (1.5 m) in a hemispherical free field calculated per AMCA Standard 301. Values shown are for installation type A: free inlet hemispherical sone levels.

Roof Downblast Exhaust

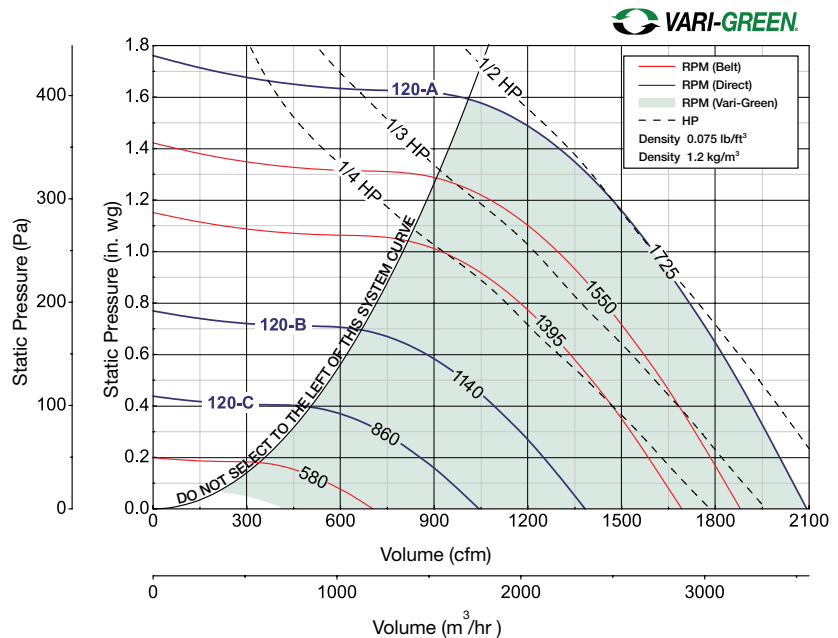
Size-120: GB • G

Previously Size- GB-121 • G-123



Damper Size = 12 x 12 (305 x 305)
Roof Opening = 15 1/2 x 15 1/2 (394 x 394)
Shroud Thickness = 0.051 (1.3)
Motor Cover Thickness = 0.040 (1.0)
Curb Cap Thickness = 0.064 (1.6)
^Approximate Unit Weight G/GB = 58/66 lbs. (26/30 kg)

All dimensions in inches (millimeters). *May be greater depending on motor. ^Weight shown is largest cataloged Open Drip-Proof motor.

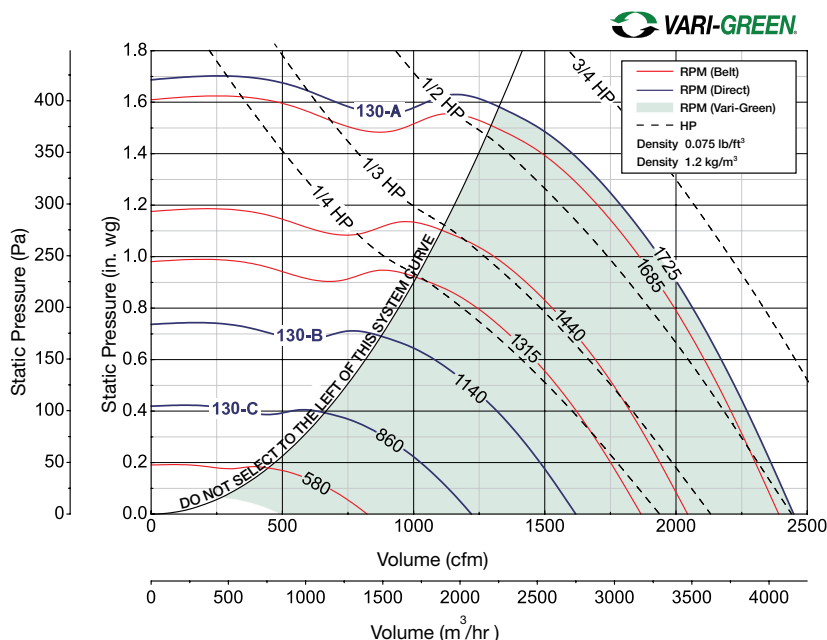
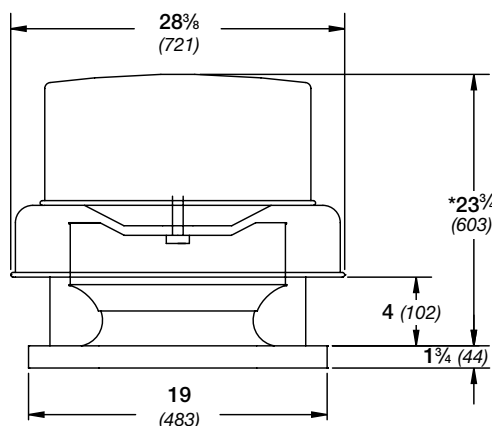


Direct Drive RPM

C-860 RPM B-1140 RPM A-1725 RPM VG-1725 RPM

Motor HP		Fan		Static Pressure in Inches wg											
Belt	Direct	RPM		0	0.125	0.25	0.375	0.5	0.625	0.75	1	1.25	1.5		
120															
1/4		VG-1/4	580	CFM	704	515									
				BHP	0.02	0.02									
				Sones	3.2	3.3									
			720	CFM	873	735	523								
				BHP	0.03	0.04	0.04								
				Sones	4.2	4.3	4.1								
		C-1/8	860	CFM	1043	932	796	580							
				BHP	0.05	0.06	0.06	0.06							
				Sones	5.4	5.5	5.2	5.2							
			1000	CFM	1213	1119	1013	883	694						
				BHP	0.08	0.09	0.09	0.10	0.09						
				Sones	6.7	6.8	6.7	6.4	6.4						
		B-1/6	1140	CFM	1383	1300	1213	1112	993	831					
				BHP	0.12	0.13	0.14	0.14	0.14	0.14					
				Sones	8.4	8.4	8.4	8.1	7.9	7.8					
			VG-1/2	1265	CFM	1535	1460	1384	1299	1204	1093	950			
					BHP	0.16	0.17	0.18	0.19	0.19	0.20	0.19			
					Sones	10.2	10.1	10.1	9.9	9.7	9.6	9.4			
1395	CFM	1692		1625	1557	1484	1404	1315	1214	907					
	BHP	0.21		0.23	0.24	0.25	0.26	0.26	0.26	0.24					
	Sones	12.5		12.4	12.3	12.2	12.0	11.7	11.5	11.3					
1/3	1475	CFM		1789	1726	1661	1594	1521	1441	1356	1132				
		BHP		0.25	0.27	0.28	0.29	0.30	0.31	0.31	0.31				
		Sones		13.5	13.4	13.3	13.2	13.0	12.7	12.4	12.0				
	1550	CFM		1880	1820	1759	1696	1629	1555	1475	1289	974			
		BHP		0.29	0.31	0.32	0.33	0.34	0.35	0.36	0.36	0.33			
		Sones		14.6	14.5	14.3	14.2	14.0	13.8	13.5	12.9	12.4			
1/2	1635	CFM	1983	1926	1868	1810	1747	1680	1608	1446	1231				
		BHP	0.34	0.36	0.37	0.39	0.40	0.41	0.42	0.43	0.41				
		Sones	15.9	15.8	15.6	15.4	15.3	15.0	14.8	13.9	13.4				
	A-1/2	1725	CFM	2093	2038	1984	1928	1871	1810	1743	1600	1426	1180		
			BHP	0.40	0.42	0.44	0.45	0.46	0.47	0.48	0.50	0.50	0.47		
			Sones	17.4	17.2	17.0	16.8	16.7	16.4	16.2	15.5	14.9	14.0		

Performance certified is for installation type A: Free inlet, Free outlet. Power rating (BHP) does not include transmission losses. Performance ratings include the effects of a birdscreen. The sound ratings shown are loudness values in hemispherical sones at 5 ft. (1.5 m) in a hemispherical free field calculated per AMCA Standard 301. Values shown are for installation type A: free inlet hemispherical sone levels.



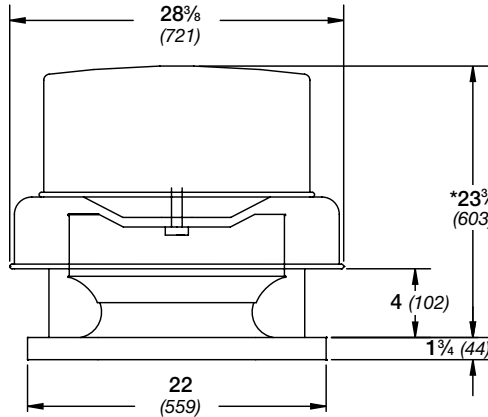
All dimensions in inches (millimeters). *May be greater depending on motor. ^Weight shown is largest cataloged Open Drip-Proof motor.

C-860 RPM	B-1140 RPM	A-1725 RPM	VG-1725 RPM
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Performance certified is for installation type A: Free inlet, Free outlet. Power rating (BHP) does not include transmission losses. Performance ratings include the effects of a birdscreen. The sound ratings shown are loudness values in hemispherical sones at 5 ft. (1.5 m) in a hemispherical free field calculated per AMCA Standard 301. Values shown are for installation type A: free inlet hemispherical sone levels.

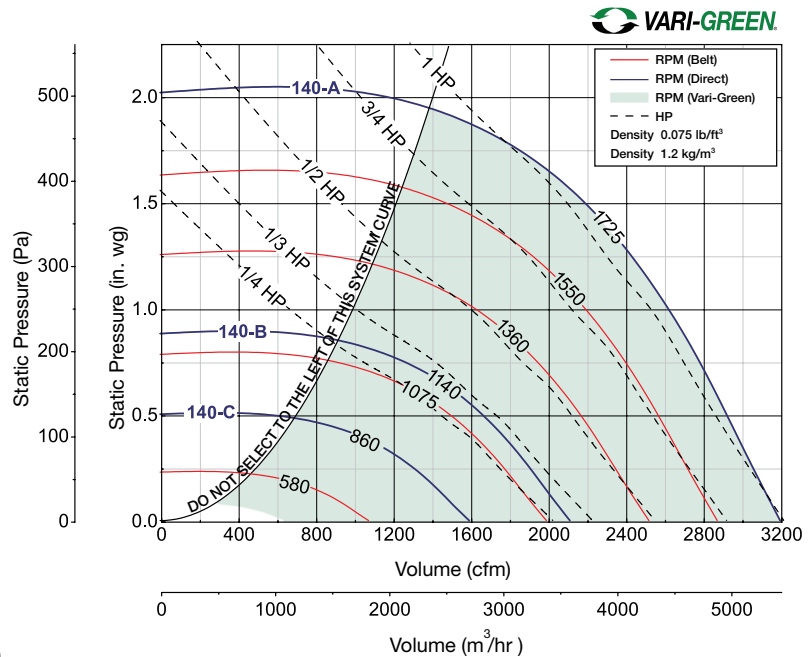
Roof Downblast Exhaust Size-140: GB • G

Previously Size- GB-141 • G-143



Damper Size = 16 x 16 (406 x 406)
Roof Opening = 18½ x 18½ (470 x 470)
Shroud Thickness = 0.051 (1.3)
Motor Cover Thickness = 0.040 (1.0)
Curb Cap Thickness = 0.064 (1.6)
^Approximate Unit Weight G/GB = 77/86 lbs. (35/39 kg)

All dimensions in inches (millimeters). *May be greater depending on motor. ^Weight shown is largest cataloged Open Drip-Proof motor.



Direct Drive RPM

C-860 RPM B-1140 RPM A-1725 RPM VG-1725 RPM

Motor HP		Fan RPM		Static Pressure in Inches wg											
Belt	Direct				0	0.125	0.25	0.375	0.5	0.75	1	1.25	1.5	1.75	
140															
1/4	VG-1/4 	C-1/8	580	CFM	1076	855									
				BHP	0.04	0.04									
				Sones	4.7	4.7									
			720	CFM	1336	1169	938								
				BHP	0.07	0.08	0.08								
				Sones	5.8	5.9	5.2								
		860	CFM	1595	1457	1304	1085								
			BHP	0.12	0.13	0.13	0.13								
			Sones	7.1	7.0	6.6	6.1								
			950	CFM	1762	1636	1506	1344	1085						
				BHP	0.16	0.17	0.18	0.18	0.17						
				Sones	8.1	8.0	7.6	7.1	6.5						
1075	CFM	1994		1882	1771	1647	1490								
	BHP	0.24		0.25	0.26	0.26	0.26								
	Sones	10.0		9.9	9.4	8.9	8.4								
	1/3	B-1/3	1140	CFM	2115	2008	1905	1792	1660	1233					
				BHP	0.28	0.30	0.31	0.31	0.31	0.29					
				Sones	11.0	10.9	10.4	9.9	9.4	8.2					
1/2			VG-3/4	1265	CFM	2347	2250	2158	2062	1955	1677	1048			
					BHP	0.39	0.40	0.41	0.42	0.42	0.42	0.35			
					Sones	12.9	12.7	12.3	11.9	11.4	10.4	8.8			
	1360	CFM		2523	2433	2347	2259	2166	1943	1602					
		BHP		0.48	0.50	0.51	0.52	0.52	0.53	0.51					
		Sones		14.6	14.3	13.9	13.5	13.1	12.2	11.0					
3/4	VG-1	1450	CFM	2690	2606	2524	2443	2358	2165	1905	1501				
			BHP	0.58	0.60	0.61	0.63	0.63	0.64	0.63	0.59				
			Sones	16.2	15.9	15.6	15.2	14.7	13.8	12.9	11.7				
		1550	CFM	2875	2797	2719	2644	2566	2396	2191	1910	1297			
			BHP	0.71	0.73	0.74	0.76	0.77	0.78	0.79	0.76	0.65			
			Sones	17.7	18.0	17.4	17.2	16.8	15.0	14.8	14.8	14.9			
1	A-1	1725	CFM	3200	3129	3059	2991	2923	2782	2619	2427	2184	1815		
			BHP	0.98	1.00	1.02	1.03	1.05	1.07	1.07	1.09	1.06	1.00		
			Sones	20.0	21.0	20.0	19.9	19.6	18.5	17.2	17.0	16.8	16.7		

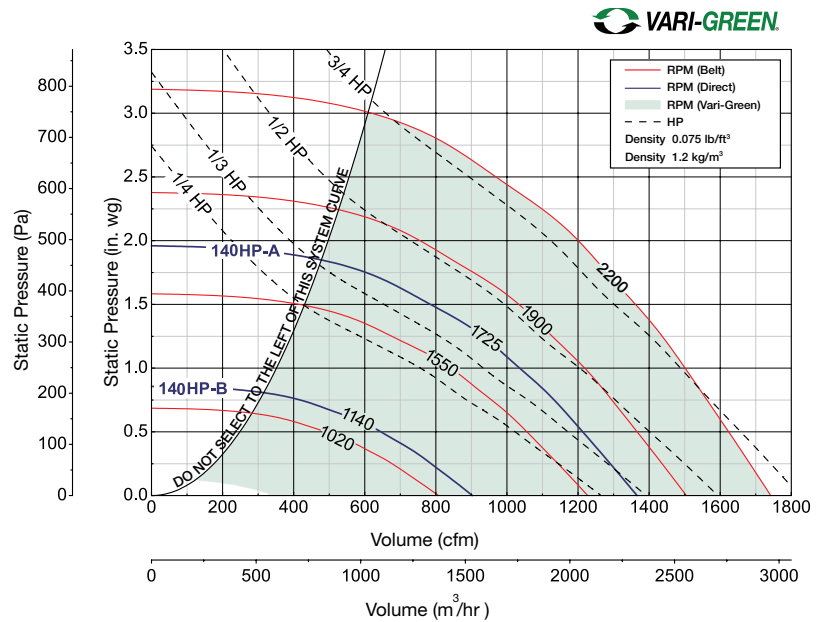
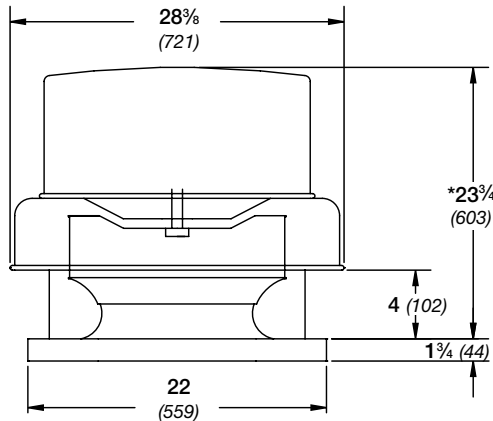
MAXIMUM BHP AT A GIVEN RPM = (RPM/1676)³
MAXIMUM RPM = 1725
TIP SPEED (ft/min) = RPM x 3.829
MAXIMUM MOTOR FRAME SIZE = 145T

Performance certified is for installation type A: Free inlet, Free outlet. Power rating (BHP) does not include transmission losses. Performance ratings include the effects of a birdscreen. The sound ratings shown are loudness values in hemispherical sones at 5 ft. (1.5 m) in a hemispherical free field calculated per AMCA Standard 301. Values shown are for installation type A: free inlet hemispherical sone levels.

Roof Downblast Exhaust

Size-140HP: GB • G

Previously Size- GB-141HP • G-143HP



Damper Size = 16 x 16

Roof Opening = 18 1/2 x 18 1/2 (470 x 470)

Shroud Thickness = 0.051 (1.3)

Motor Cover Thickness = 0.040 (1.0)

Curb Cap Thickness = 0.064 (1.6)

^Approximate Unit Weight G/GB = 75/83 lbs. (34/38 kg)

All dimensions in inches (millimeters). *May be greater depending on motor. ^Weight shown is largest cataloged Open Drip-Proof motor.

Direct Drive RPM

B-1140 RPM

A-1725 RPM

VG-2200 RPM

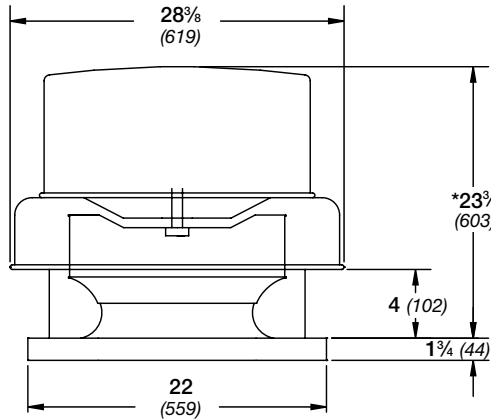
Motor HP		Fan RPM	Static Pressure in Inches wg											
Belt	Direct			.5	.75	1	1.25	1.5	1.75	2	2.25	2.5	2.75	
140HP														
1/4	VG-1/4	B-1/4	1020	CFM	488									
				BHP	0.08									
				Sones	6.3									
			1140	CFM	645	413								
				BHP	0.11	0.11								
				Sones	7.7	7.6								
		1320	CFM	837	700	486								
			BHP	0.17	0.18	0.17								
			Sones	10.3	9.8	9.9								
			1500	CFM	1009	903	774	592						
				BHP	0.24	0.26	0.26	0.25						
				Sones	13.1	12.3	12.2	12.4						
1/3	VG-1/2	A-1/2	1655	CFM	1151	1064	959	833	668					
				BHP	0.32	0.34	0.35	0.35	0.34					
				Sones	15.0	14.1	13.3	13.1	13.6					
			1725	CFM	1213	1132	1035	932	784	588				
				BHP	0.36	0.38	0.39	0.39	0.39	0.37				
				Sones	16.2	15.4	14.7	14.2	14.3	14.9				
1/2	VG-1/2	A-1/2	1812	CFM	1289	1213	1127	1030	911	763	545			
				BHP	0.41	0.43	0.45	0.46	0.45	0.45	0.41			
				Sones	17.8	17.2	16.6	15.8	15.6	15.9	16.6			
			1900	CFM	1366	1294	1218	1127	1033	901	753			
				BHP	0.47	0.49	0.51	0.53	0.53	0.52	0.51			
				Sones	19.0	18.4	18.0	17.4	16.8	16.7	17.0			
3/4	VG-3/4	A-1/2	2050	CFM	1495	1430	1361	1285	1200	1113	991	857	672	
				BHP	0.58	0.61	0.63	0.65	0.66	0.66	0.66	0.65	0.61	
				Sones	21.0	20.0	19.8	19.3	18.8	18.6	18.3	18.3	18.6	
			2170	CFM	1598	1536	1472	1407	1328	1248	1163	1045	919	757
				BHP	0.68	0.71	0.73	0.76	0.77	0.78	0.79	0.78	0.77	0.74
				Sones	22.0	22.0	21.0	21.0	21.0	21.0	21.0	20.0	19.7	19.8
X	VG-3/4	A-1/2	2200	CFM	1623	1562	1500	1436	1360	1281	1200	1088	968	834
				BHP	0.71	0.74	0.76	0.78	0.80	0.82	0.82	0.81	0.80	0.79
				Sones	23.0	22.0	22.0	22.0	21.0	21.0	21.0	21.0	20.0	20.0

MAXIMUM BHP AT A GIVEN RPM = (RPM/2351)³
MAXIMUM RPM = 2200
TIP SPEED (ft/min) = RPM x 3.829
MAXIMUM MOTOR FRAME SIZE = 145T

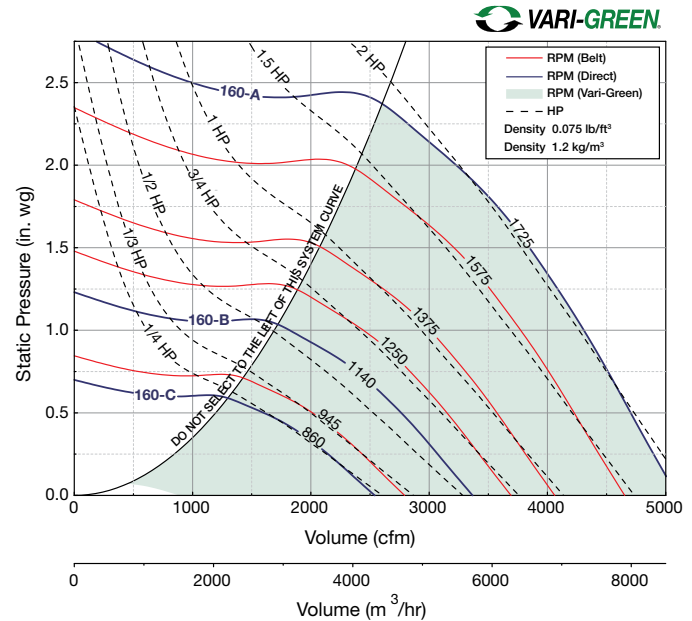
Performance certified is for installation type A: Free inlet, Free outlet. Power rating (BHP) does not include transmission losses. Performance ratings include the effects of a birdscreen. The sound ratings shown are loudness values in hemispherical sones at 5 ft. (1.5 m) in a hemispherical free field calculated per AMCA Standard 301. Values shown are for installation type A: free inlet hemispherical sone levels.

Roof Downblast Exhaust Size-160: GB • G

Previously Size- GB-161 • G-163



Static Pressure (Pa)



Damper Size = 16 x 16
Roof Opening = 18 1/2 x 18 1/2 (470 x 470)
Shroud Thickness = 0.051 (1.3)
Motor Cover Thickness = 0.040 (1.0)
Curb Cap Thickness = 0.064 (1.6)
^Approximate Unit Weight G/GB = 101/88 lbs. (46/40 kg)

All dimensions in inches (millimeters). *May be greater depending on motor. ^Weight shown is largest cataloged Open Drip-Proof motor.

Direct Drive RPM

C-860 RPM B-1140 RPM A-1725 RPM

Motor HP		Fan RPM	Static Pressure in Inches wg																					
Belt	Direct			0	0.125	0.25	0.375	0.5	0.75	0.875	1	1.25	1.5											
160																								
1/4	VG-3/4		580	CFM	1713	1417	970																	
				BHP	0.07	0.08	0.07																	
				Sones	5.8	5.6	5.3																	
			720	CFM	2127	1893	1632	1243																
				BHP	0.14	0.15	0.15	0.14																
				Sones	7.8	7.5	7.2	6.8																
1/3	VG-1	C-1/4	860	CFM	2540	2344	2145	1913	1596															
				BHP	0.23	0.24	0.25	0.26	0.24															
				Sones	10.5	10.0	9.6	9.3	8.7															
			945	CFM	2791	2612	2434	2236	2010															
				BHP	0.31	0.32	0.33	0.34	0.34															
				Sones	12.6	12.0	11.5	11.2	10.7															
1/2	VARI-GREEN		1100	CFM	3249	3095	2943	2787	2615	2198	1900													
				BHP	0.48	0.50	0.52	0.53	0.53	0.52	0.50													
				Sones	15.3	14.7	14.1	13.8	13.5	12.5	12.0													
			B-1/2	1140	CFM	3367	3219	3072	2922	2761	2382	2125	1808											
					BHP	0.54	0.56	0.57	0.58	0.59	0.59	0.57	0.54											
					Sones	15.9	15.4	14.9	14.5	14.2	13.3	12.9	12.1											
3/4	VG-2		1200	CFM	3545	3403	3263	3123	2977	2641	2429	2167												
				BHP	0.63	0.65	0.66	0.68	0.69	0.69	0.68	0.66												
				Sones	17.0	16.5	16.0	15.6	15.3	14.6	14.1	13.7												
			1250	CFM	3692	3557	3422	3289	3149	2838	2658	2444												
				BHP	0.71	0.73	0.75	0.76	0.77	0.79	0.78	0.76												
				Sones	17.9	17.4	17.0	16.6	16.3	15.6	15.2	14.9												
		1		1375	CFM	4062	3938	3815	3694	3571	3304	3161	3007	2609	2073									
					BHP	0.95	0.97	0.99	1.01	1.02	1.04	1.05	1.04	1.01	0.93									
					Sones	21	20	19.6	19.2	18.9	18.4	18.0	17.6	17.2	15.4									
				1575	CFM	4652	4545	4437	4330	4225	4007	3894	3769	3512	3198									
					BHP	1.42	1.45	1.47	1.49	1.51	1.54	1.56	1.56	1.57	1.54									
					Sones	26	25	25	24	24	23	23	23	22	22									
1 1/2			A-2	1725	CFM	5095	4997	4899	4800	4704	4510	4409	4308	4082	3845									
					BHP	1.87	1.89	1.92	1.94	1.97	2.01	2.03	2.04	2.06	2.06									
					Sones	30	30	30	29	29	28	28	28	27	26									
			X																					

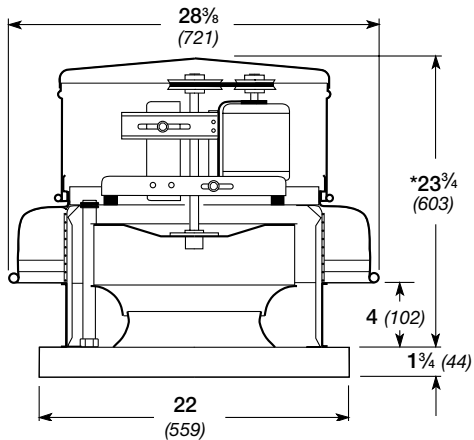
MAXIMUM BHP AT A GIVEN RPM = (RPM/1355)³
MAXIMUM RPM - GB-160=1575, G-160=1725
TIP SPEED (ft/min) = RPM x 4.352
MAXIMUM MOTOR FRAME SIZE = 145T

Performance certified is for installation type A: Free inlet, Free outlet. Power rating (BHP) does not include transmission losses. Performance ratings include the effects of a birdscreen. The sound ratings shown are loudness values in hemispherical sones at 5 ft. (1.5 m) in a hemispherical free field calculated per AMCA Standard 301. Values shown are for installation type A: free inlet hemispherical sone levels.

Roof Downblast Exhaust

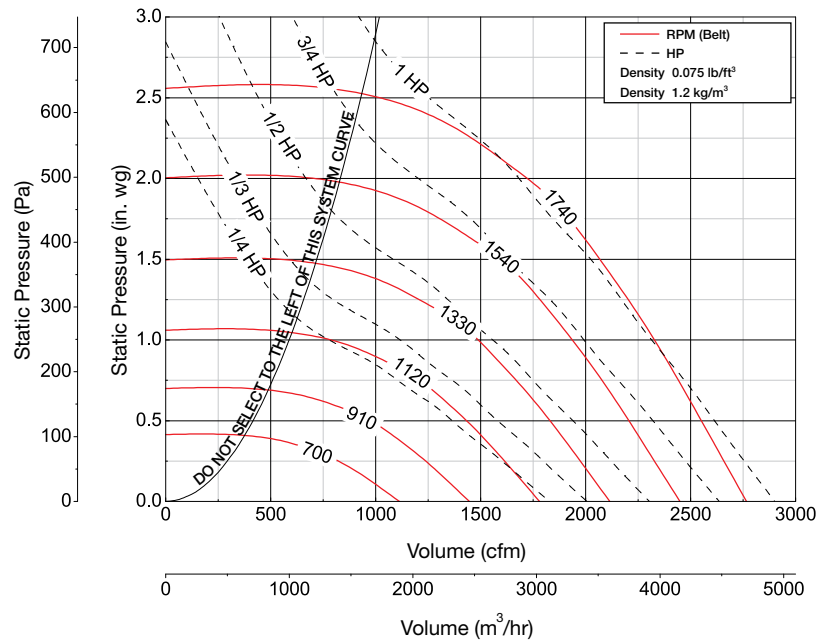
Size-160HP: GB

Previously Size- GB-161HP



Damper Size = 16 x 16 (406 x 406)
Roof Opening = 18 1/2 x 18 1/2 (470 x 470)
Shroud Thickness = 0.051 (1.3)
Motor Cover Thickness = 0.040 (1.0)
Curb Cap Thickness = 0.064 (1.6)
^Approximate Unit Weight = 88 lbs. (40 kg)

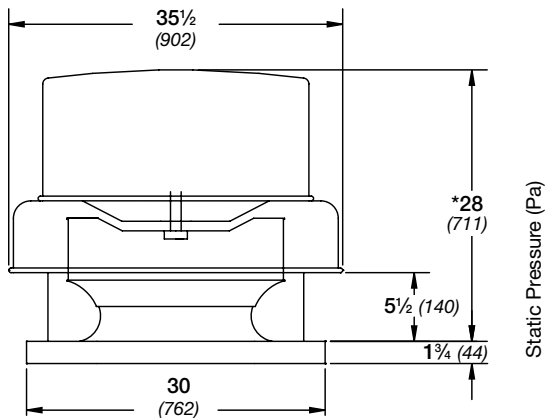
All dimensions in inches (millimeters). *May be greater depending on motor.
^Weight shown is largest cataloged Open Drip-Proof motor.



Motor HP	Fan RPM	Static Pressure in Inches wg										
			0.5	0.625	0.75	1	1.25	1.5	1.75	2	2.25	2.5
160HP												
1/4	825	CFM	702									
		BHP	0.11									
		Sones	6.5									
	960	CFM	1093	919	585							
		BHP	0.18	0.17	0.15							
		Sones	7.7	7.6	8.0							
	1095	CFM	1380	1271	1139	589						
		BHP	0.26	0.26	0.26	0.21						
		Sones	9.0	9.0	8.9	9.5						
1/3	1210	CFM	1606	1514	1416	1149						
		BHP	0.34	0.35	0.35	0.34						
		Sones	10.6	10.3	10.4	10.3						
1/2	1270	CFM	1718	1636	1545	1333	949					
		BHP	0.39	0.40	0.40	0.41	0.37					
		Sones	11.4	11.2	11.1	11.1	11.4					
	1330	CFM	1829	1753	1668	1483	1204					
		BHP	0.44	0.45	0.46	0.47	0.45					
		Sones	12.3	12.1	11.9	12.1	12.0					
	1390	CFM	1938	1865	1789	1619	1399	1032				
		BHP	0.50	0.51	0.52	0.53	0.53	0.48				
		Sones	13.3	13.0	12.8	12.7	12.7	13.1				
3/4	1485	CFM	2109	2041	1973	1822	1654	1416	1012			
		BHP	0.60	0.61	0.63	0.64	0.65	0.63	0.57			
		Sones	14.9	14.7	14.4	13.8	13.7	14.0	14.7			
	1580	CFM	2275	2214	2150	2016	1868	1704	1447	1034		
		BHP	0.72	0.73	0.75	0.77	0.77	0.791	0.75	0.67		
		Sones	16.7	16.7	16.4	15.5	14.7	14.8	15.4	16.6		
1	1660	CFM	2414	2357	2297	2175	2037	1887	1702	1441	996	
		BHP	0.82	0.84	0.85	0.89	0.89	0.91	0.90	0.86	0.75	
		Sones	18.3	18.8	18.3	16.7	16.2	15.8	15.8	17.1	20	
	1740	CFM	2551	2497	2442	2325	2200	2066	1917	1714	1452	987
		BHP	0.94	0.96	0.97	1.01	1.03	1.03	1.05	1.03	0.98	0.85
		Sones	20	21	21	18.4	17.5	17.2	16.8	17.2	19.2	28

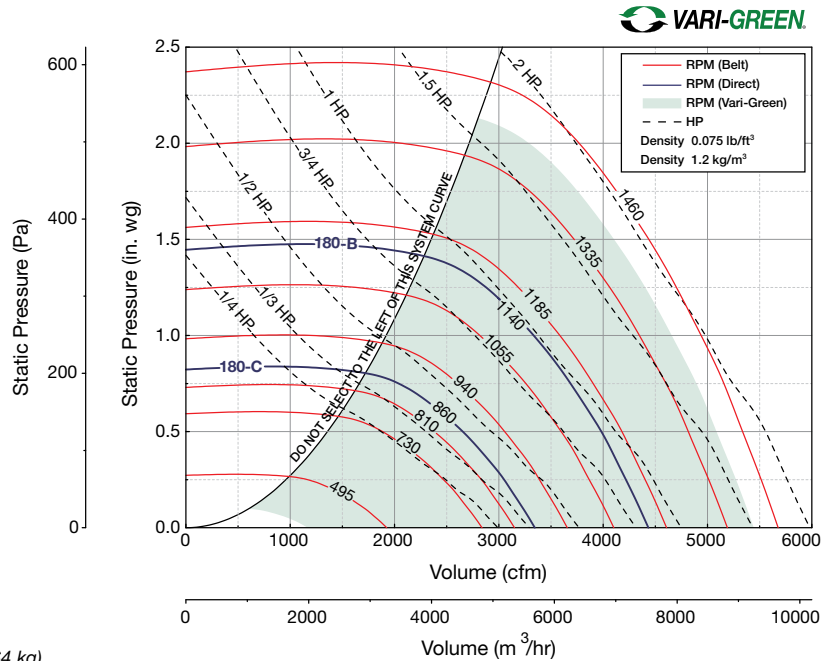
Performance certified is for installation type A: Free inlet, Free outlet. Power rating (BHP) does not include transmission losses. Performance ratings include the effects of a birdscreen. The sound ratings shown are loudness values in hemispherical sones at 5 ft. (1.5 m) in a hemispherical free field calculated per AMCA Standard 301. Values shown are for installation type A: free inlet hemispherical sone levels.

Roof Downblast Exhaust Size-180: GB • G Previously Size- G-183



Damper Size = 24 x 24 (610 x 610)
Roof Opening = 26 1/2 x 26 1/2 (673 x 673)
Shroud Thickness = 0.064 (1.6)
Motor Cover Thickness = 0.040 (1.0)
Curb Cap Thickness = 0.064 (1.6)
^Approximate Unit Weight G/GB = 108/142 lbs. (49/64 kg)

All dimensions in inches (millimeters). *May be greater depending on motor. ^Weight shown is largest cataloged Open Drip-Proof motor.



Direct Drive RPM

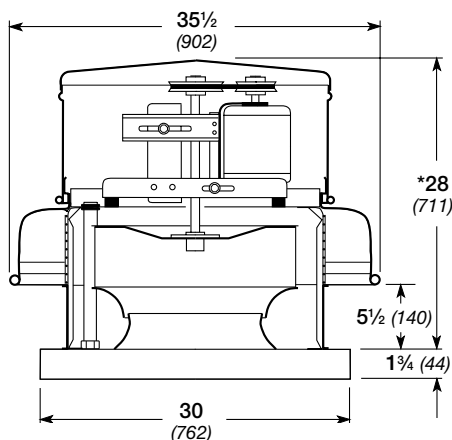
C-860 RPM

B-1140 RPM

Motor HP		Fan RPM	Static Pressure in Inches wg											
Belt	Direct			0	0.125	0.25	0.5	0.75	1	1.25	1.5	1.75	2	
180														
1/4	VG-3/4	730	CFM	2839	2668	2469	1882							
			BHP	0.21	0.23	0.25	0.25							
			Sones	7.4	8.7	7.2	6.7							
1/3		810	CFM	3150	2997	2832	2375							
			BHP	0.29	0.31	0.33	0.35							
			Sones	8.8	9.9	8.7	8.2							
1/2	C-1/2	860	CFM	3344	3202	3049	2647	2015						
			BHP	0.35	0.36	0.39	0.42	0.4						
			Sones	10.1	10.8	9.8	9.1	8.1						
	VG-1	940	CFM	3655	3527	3388	3052	2601						
			BHP	0.46	0.47	0.49	0.54	0.54						
			Sones	12.7	12.8	12.0	11.1	10.3						
3/4	VG-2	1000	CFM	3888	3769	3638	3339	2953	2387					
			BHP	0.55	0.57	0.58	0.64	0.66	0.63					
			Sones	15.2	14.7	13.7	13.0	11.9	11.1					
		1055	CFM	4102	3990	3867	3596	3252	2811					
			BHP	0.65	0.67	0.68	0.74	0.77	0.77					
			Sones	16.2	15.7	14.9	14.0	12.9	12.4					
1	B-1	1140	CFM	4433	4329	4216	3980	3684	3328	2856				
			BHP	0.81	0.84	0.85	0.93	0.96	0.98	0.95				
			Sones	17.9	17.4	16.8	16.0	15.1	14.3	13.6				
		1185	CFM	4608	4508	4401	4179	3900	3575	3178	2499			
			BHP	0.91	0.94	0.96	1.03	1.07	1.1	1.09	0.99			
			Sones	19.0	18.4	17.8	17.1	16.2	15.4	14.7	13.7			
1½	1335	CFM	5191	5102	5010	4814	4599	4344	4052	3713	3262			
		BHP	1.31	1.33	1.36	1.41	1.49	1.54	1.57	1.56	1.51			
		Sones	22	22	21	21	19.9	19.2	18.7	18.2	17.6			
2	X	1400	CFM	5444	5359	5273	5086	4892	4655	4401	4097	3747	3253	
			BHP	1.51	1.54	1.56	1.61	1.71	1.75	1.81	1.81	1.79	1.71	
			Sones	24	23	23	22	22	21	21	20	19.7	19.2	
		1460	CFM	5677	5596	5514	5336	5155	4938	4699	4426	4123	3765	
			BHP	1.71	1.74	1.77	1.81	1.93	1.97	2.03	2.05	2.05	2.02	
			Sones	26	25	24	24	23	23	22	22	22	21	

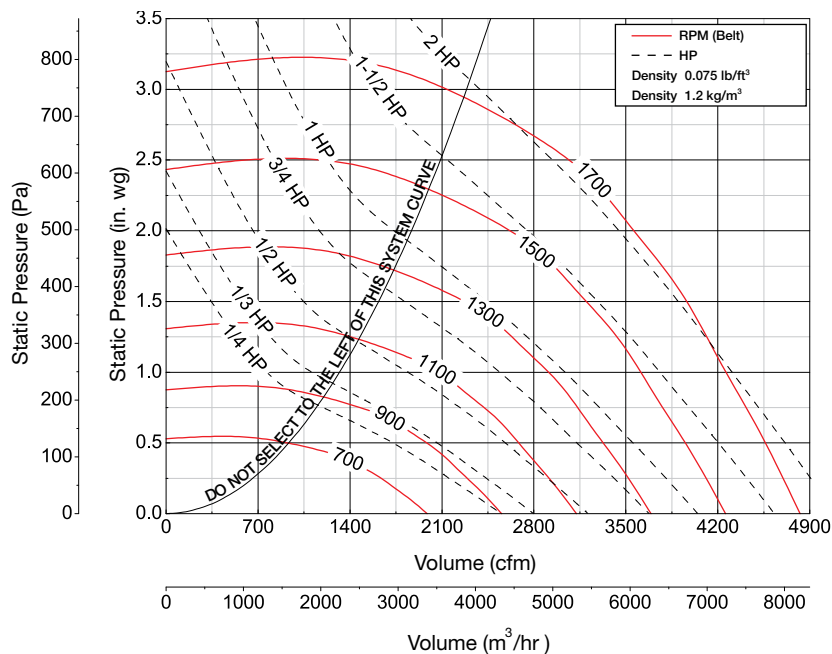
Performance certified is for installation type A: Free inlet, Free outlet. Power rating (BHP) does not include transmission losses. Performance ratings include the effects of a birdscreen. The sound ratings shown are loudness values in hemispherical sones at 5 ft. (1.5 m) in a hemispherical free field calculated per AMCA Standard 301. Values shown are for installation type A: free inlet hemispherical sone levels.

Roof Downblast Exhaust Size-180HP: GB



Damper Size = 24 x 24 (610 x 610)
Roof Opening = 26 1/2 x 26 1/2 (673 x 673)
Shroud Thickness = 0.064 (1.6)
Motor Cover Thickness = 0.040 (1.0)
Curb Cap Thickness = 0.064 (1.6)
^Approximate Unit Weight = 142 lbs. (64 kg)

All dimensions in inches (millimeters). *May be greater depending on motor. ^Weight shown is largest cataloged Open Drip-Proof motor.



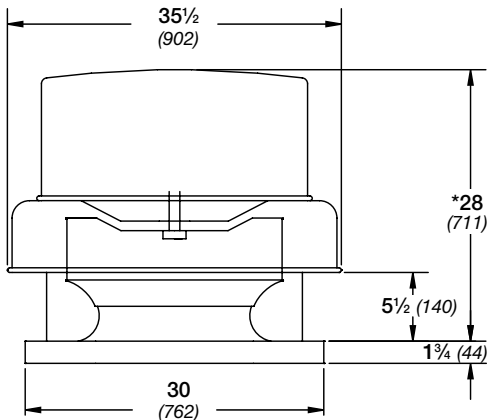
Motor HP	Fan RPM	Static Pressure in Inches wg										
			0.5	0.75	1	1.25	1.5	1.75	2	2.25	2.5	2.75
180HP												
1/4	795	CFM	1547									
		BHP	0.22									
		Sones	8.6									
	845	CFM	1759									
		BHP	0.26									
Sones		9.1										
1/3	935	CFM	2114	1686								
		BHP	0.35	0.35								
		Sones	10.3	9.6								
1/2	1075	CFM	2601	2316	1920							
		BHP	0.51	0.53	0.52							
		Sones	12.9	12.1	11.6							
3/4	1150	CFM	2847	2607	2298	1811						
		BHP	0.61	0.64	0.65	0.62						
		Sones	14.6	13.1	12.6	12.3						
	1225	CFM	3088	2880	2610	2277	1711					
		BHP	0.73	0.77	0.78	0.78	0.72					
Sones		16.3	14.7	13.9	13.3	13.2						
1	1350	CFM	3485	3296	3095	2840	2540	2059				
		BHP	0.96	1.00	1.04	1.05	1.05	0.99				
		Sones	19.5	17.6	16.4	15.8	15.0	15.1				
1½	1445	CFM	3782	3604	3428	3213	2969	2670	2216			
		BHP	1.16	1.21	1.25	1.28	1.29	1.28	1.21			
		Sones	22	20	18.8	17.8	17.3	16.4	16.6			
	1540	CFM	4076	3909	3744	3576	3353	3119	2827	2407		
		BHP	1.39	1.44	1.49	1.53	1.55	1.56	1.55	1.48		
Sones		25	22	21	20	19.6	18.9	18.1	18.3			
2	1620	CFM	4319	4163	4005	3848	3663	3450	3223	2923	2512	
		BHP	1.60	1.66	1.71	1.76	1.79	1.81	1.82	1.80	1.72	
		Sones	27	25	24	23	22	21	20	19.7	19.8	
	1700	CFM	4560	4414	4263	4114	3964	3764	3560	3340	3037	2642
		BHP	1.84	1.90	1.96	2.01	2.06	2.08	2.10	2.11	2.07	1.99
Sones		30	27	26	25	24	23	22	22	21	21	

Performance certified is for installation type A: Free inlet, Free outlet. Power rating (BHP) does not include transmission losses. Performance ratings include the effects of a birdscreen. The sound ratings shown are loudness values in hemispherical sones at 5 ft. (1.5 m) in a hemispherical free field calculated per AMCA Standard 301. Values shown are for installation type A: free inlet hemispherical sone levels.

Roof Downblast Exhaust

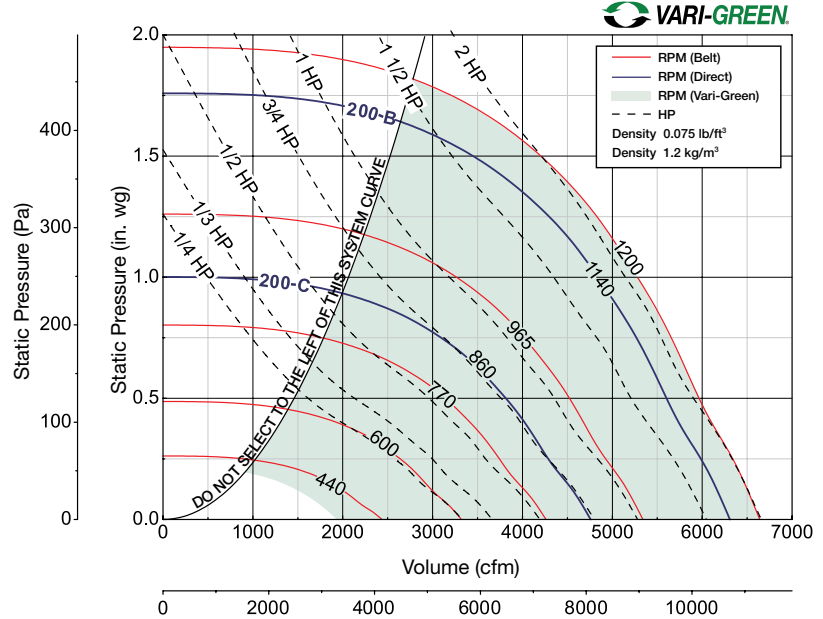
Size-200: GB • G

Previously Size- G-203



Damper Size = 24 x 24 (610 x 610)
Roof Opening = 26 1/2 x 26 1/2 (673 x 673)
Shroud Thickness = 0.064 (1.6)
Motor Cover Thickness = 0.040 (1.0)
Curb Cap Thickness = 0.064 (1.6)
^Approximate Unit Weight G/GB = 119/144 lbs. (54/65 kg)

All dimensions in inches (millimeters). *May be greater depending on motor. ^Weight shown is largest cataloged Open Drip-Proof motor.



Direct Drive RPM

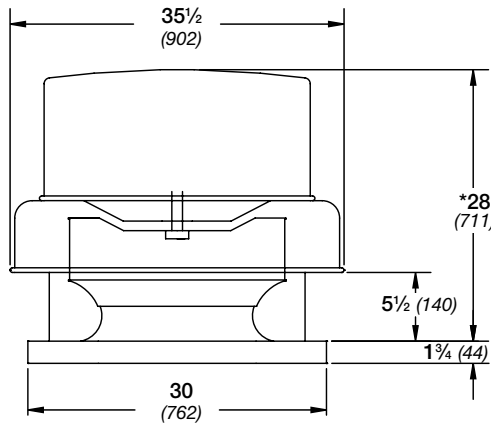
C-860 RPM

B-1140 RPM

Motor HP		Fan RPM	Static Pressure in Inches wg											
Belt	Direct		0	0.125	0.25	0.375	0.5	0.75	1.0	1.25	1.5	1.75		
200														
1/4	VG-1 	C-3/4	440	CFM	2435	1976								
				BHP	0.1	0.1								
				Sones	6.5	5.8								
			600	CFM	3320	2984	2637	2089						
				BHP	0.25	0.26	0.26	0.25						
				Sones	8.5	7.9	7.3	6.1						
1/3		665	CFM	3680	3378	3085	2706	2087						
			BHP	0.34	0.34	0.35	0.35	0.33						
			Sones	9.6	9	8.5	7.7	6.7						
		1/2	718	CFM	3973	3700	3422	3109	2684					
				BHP	0.43	0.43	0.45	0.45	0.44					
				Sones	10.8	10	9.6	9	8.3					
770			CFM	4261	4013	3744	3477	3141						
			BHP	0.52	0.53	0.55	0.55	0.55						
			Sones	12.1	11	10.7	10.2	9.8						
3/4		860	CFM	4759	4548	4289	4068	3811	3085					
			BHP	0.73	0.74	0.75	0.77	0.77	0.74					
			Sones	14.1	13.3	12.9	12.4	11.8	11.1					
	1	VG-2	965	CFM	5340	5158	4927	4720	4520	4015	3240			
				BHP	1.03	1.04	1.05	1.08	1.09	1.08	1.02			
				Sones	16.7	16	15.4	15	14.5	13.7	13			
1½			1028	CFM	5689	5517	5309	5101	4918	4488	3911	2941		
				BHP	1.25	1.26	1.27	1.29	1.31	1.32	1.28	1.14		
				Sones	18.5	17.8	17.2	16.8	16.4	15.6	14.7	14.6		
	1090		CFM	6032	5870	5682	5473	5301	4925	4450	3751			
			BHP	1.49	1.5	1.51	1.52	1.56	1.56	1.56	1.48			
			Sones	20	19.6	18.9	18.4	18.1	17.5	16.8	15.8			
2	B-2		1140	CFM	6308	6154	5980	5779	5606	5267	4832	4287	3439	
				BHP	1.7	1.71	1.72	1.74	1.77	1.79	1.79	1.75	1.61	
				Sones	22	21	21	20	19.7	19.1	18.5	17.5	16.5	
	VG-3		1200	CFM	6640	6494	6336	6145	5969	5651	5274	4829	4177	3077
				BHP	1.99	2	2.01	2.02	2.04	2.09	2.09	2.08	1.99	1.69
				Sones	24	23	23	22	22	21	21	19.9	18.6	16.7

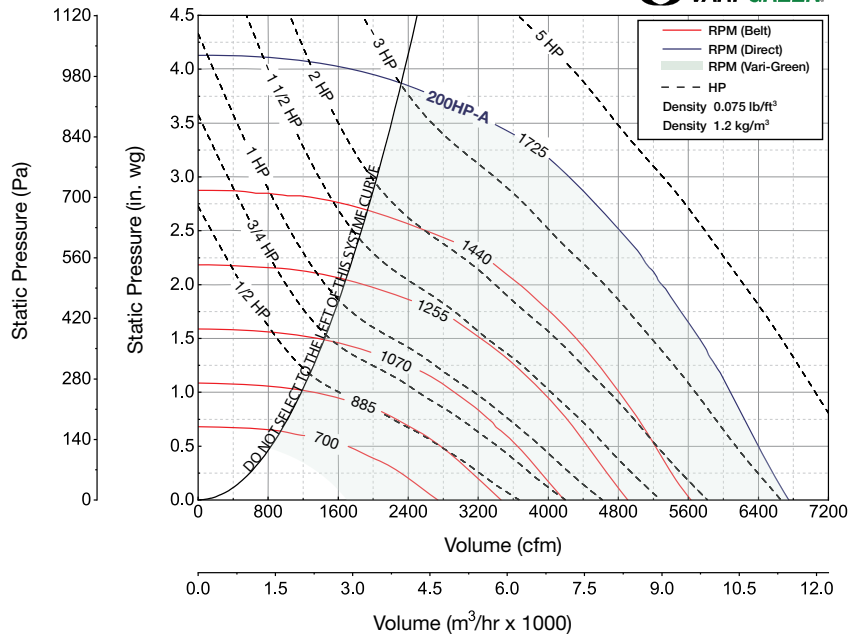
Performance certified is for installation type A: Free inlet, Free outlet. Power rating (BHP) does not include transmission losses. Performance ratings include the effects of a birdscreen. The sound ratings shown are loudness values in hemispherical sones at 5 ft. (1.5 m) in a hemispherical free field calculated per AMCA Standard 301. Values shown are for installation type A: free inlet hemispherical sone levels.

Roof Downblast Exhaust Size-200HP: GB • G



Damper Size = 24 x 24 (610 x 610)
Roof Opening = 26 1/2 x 26 1/2 (673 x 673)
Shroud Thickness = 0.064 (1.6)
Motor Cover Thickness = 0.040 (1.0)
Curb Cap Thickness = 0.064 (1.6)
^Approximate Unit Weight = 166 lbs. (75 kg)

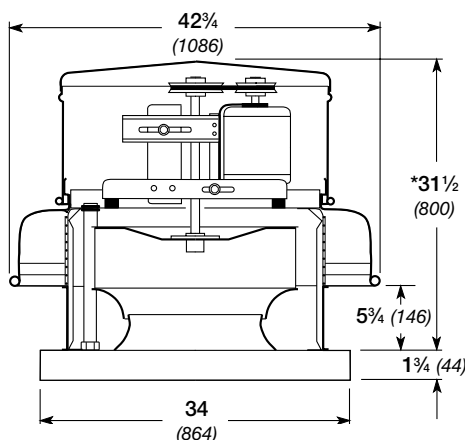
All dimensions in inches (millimeters). *May be greater depending on motor. ^Weight shown is largest cataloged Open Drip-Proof motor.



Motor HP		Fan	Static Pressure in Inches wg											
Belt	Direct	RPM		0.5	0.75	1	1.25	1.5	2	2.5	2.75	3	3.25	
200HP														
1/2	VG-2	B-1½	740	CFM	1961									
				BHP	0.30									
				Sones	8.7									
895			CFM	2809	2331	1424								
			BHP	0.52	0.53	0.45								
			Sones	11.4	10.9	10.3								
958			CFM	3116	2715	2153								
			BHP	0.63	0.65	0.63								
			Sones	12.8	12.1	11.6								
1020			CFM	3409	3050	2602	1857							
			BHP	0.75	0.77	0.78	0.71							
			Sones	14.1	13.6	13.1	12.6							
1	VG-3	B-1½	1125	CFM	3885	3584	3243	2804	2136					
				BHP	0.99	1.02	1.04	1.04	0.97					
				Sones	16.9	16.4	15.5	15.3	15.2					
1140			CFM	3950	3657	3323	2906	2294						
			BHP	1.02	1.06	1.08	1.09	1.03						
			Sones	17.4	16.9	15.9	15.6	15.3						
1285			CFM	4569	4343	4070	3770	3416	2278					
			BHP	1.43	1.49	1.52	1.55	1.57	1.40					
			Sones	21	20	19.1	18.1	17.8	18.9					
1350			CFM	4843	4638	4384	4109	3811	2996					
			BHP	1.65	1.71	1.75	1.78	1.81	1.76					
			Sones	23	22	21	19.8	19.3	19.1					
1415	CFM	5114	4919	4692	4442	4169	3492	2250						
	BHP	1.88	1.95	2.00	2.04	2.07	2.07	1.78						
	Sones	24	24	23	22	21	19.7	23						
3	VG-5	A-5	1625	CFM	5982	5812	5642	5448	5233	4767	4196	3859	3377	2725
				BHP	2.80	2.88	2.95	3.02	3.06	3.13	3.16	3.12	3.01	2.76
				Sones	32	31	31	29	28	27	25	24	23	22
1725			CFM	6394	6230	6070	5910	5709	5287	4812	4534	4222	3861	
			BHP	3.32	3.41	3.49	3.57	3.63	3.71	3.77	3.79	3.75	3.68	
			Sones	40	30	29	34	32	31	30	28	27	25	

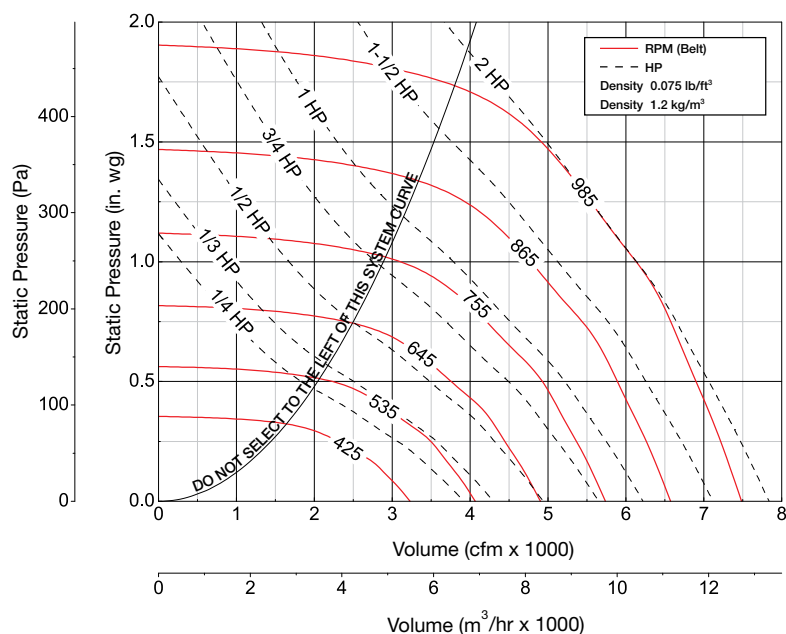
Performance certified is for installation type A: Free inlet, Free outlet. Power rating (BHP) does not include transmission losses. Performance ratings include the effects of a birdscreen. The sound ratings shown are loudness values in hemispherical sones at 5 ft. (1.5 m) in a hemispherical free field calculated per AMCA Standard 301. Values shown are for installation type A: free inlet hemispherical sone levels.

Roof Downblast Exhaust Size-220: GB



Damper Size = 24 x 24 (610 x 610)
Roof Opening = 30 1/2 x 30 1/2 (775 x 775)
Shroud Thickness = 0.064 (1.6)
Motor Cover Thickness = 0.040 (1.0)
Curb Cap Thickness = 0.064 (1.6)
^Approximate Unit Weight = 164 lbs. (74 kg)

All dimensions in inches (millimeters). *May be greater depending on motor. ^Weight shown is largest cataloged Open Drip-Proof motor.

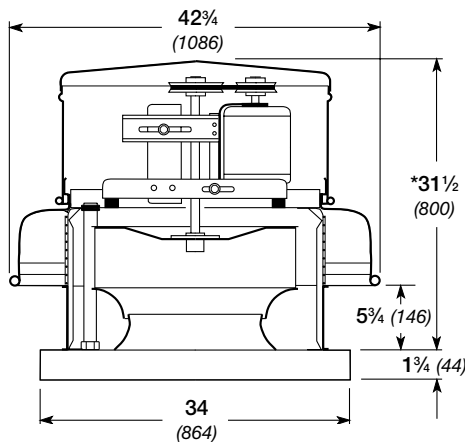


Motor HP	Fan RPM		Static Pressure in Inches wg									
			0	0.125	0.25	0.375	0.5	0.625	0.75	1	1.25	1.5
220												
1/4	425	CFM	3230	2879	2296							
		BHP	0.14	0.16	0.16							
		Sones	7.4	7.2	6.9							
	465	CFM	3533	3219	2758	1951						
		BHP	0.18	0.20	0.21	0.19						
		Sones	8.1	7.8	7.4	7.0						
	500	CFM	3799	3512	3132	2542						
		BHP	0.23	0.25	0.26	0.26						
		Sones	8.8	8.4	7.9	7.5						
1/3	550	CFM	4179	3924	3629	3158	2526					
		BHP	0.30	0.32	0.34	0.35	0.33					
		Sones	10.0	9.6	8.9	8.4	8.0					
1/2	640	CFM	4863	4654	4403	4120	3702	3208				
		BHP	0.48	0.50	0.53	0.54	0.55	0.54				
		Sones	13.0	12.8	12.1	11.2	10.5	9.7				
3/4	710	CFM	5395	5206	4990	4762	4459	4077	3633			
		BHP	0.65	0.68	0.71	0.73	0.74	0.75	0.74			
		Sones	15.0	14.9	14.4	13.6	12.8	12.1	11.2			
1	755	CFM	5737	5559	5362	5148	4920	4579	4206	3095		
		BHP	0.79	0.82	0.84	0.87	0.89	0.90	0.90	0.82		
		Sones	15.7	15.6	15.2	14.6	14.0	13.4	12.7	11.2		
	800	CFM	6079	5911	5732	5530	5326	5049	4716	3929		
		BHP	0.93	0.97	1.00	1.02	1.05	1.06	1.07	1.05		
		Sones	16.6	16.4	16.1	15.6	15.2	14.6	14.2	12.5		
1½	848	CFM	6444	6286	6122	5932	5741	5540	5236	4566	3542	
		BHP	1.11	1.15	1.18	1.21	1.23	1.26	1.27	1.27	1.17	
		Sones	17.8	17.5	17.2	16.9	16.5	16.2	15.7	14.5	13.4	
	895	CFM	6801	6651	6501	6323	6142	5960	5723	5122	4401	
		BHP	1.31	1.34	1.38	1.41	1.44	1.47	1.49	1.50	1.47	
		Sones	19.4	19.1	18.8	18.5	18.2	18.0	17.6	16.9	15.5	
2	985	CFM	7485	7349	7212	7062	6898	6734	6568	6107	5548	4883
		BHP	1.74	1.78	1.82	1.86	1.89	1.92	1.95	1.99	2.00	1.96
		Sones	23	23	23	22	22	22	22	21	20	19.0

MAXIMUM BHP AT A GIVEN RPM = (RPM/782)³
MAXIMUM RPM = 985
TIP SPEED (ft/min) = RPM x 6.283
MAXIMUM MOTOR FRAME SIZE = 184T

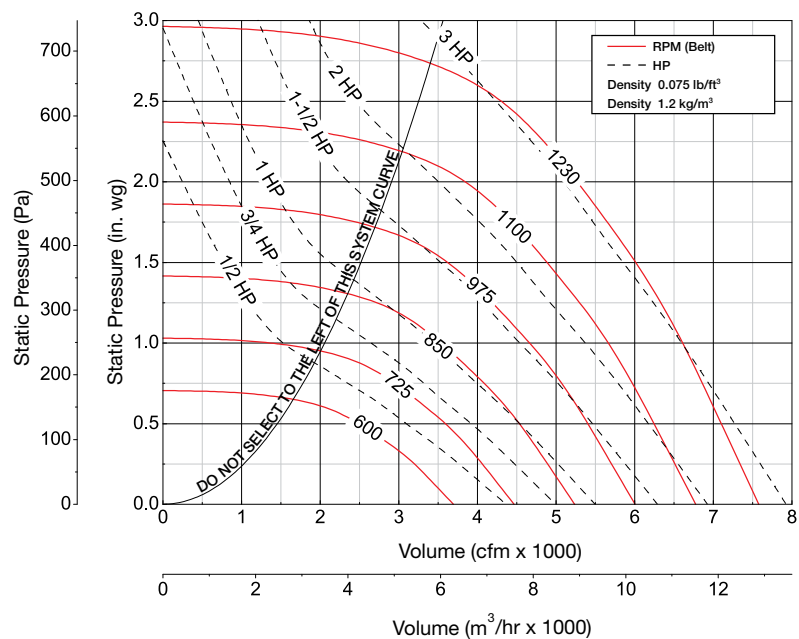
Performance certified is for installation type A: Free inlet, Free outlet. Power rating (BHP) does not include transmission losses. Performance ratings include the effects of a birdscreen. The sound ratings shown are loudness values in hemispherical sones at 5 ft. (1.5 m) in a hemispherical free field calculated per AMCA Standard 301. Values shown are for installation type A: free inlet hemispherical sone levels.

Roof Downblast Exhaust Size-220HP: GB



Damper Size = 24 x 24 (610 x 610)
Roof Opening = 30 1/2 x 30 1/2 (775 x 775)
Shroud Thickness = 0.064 (1.6)
Motor Cover Thickness = 0.040 (1.0)
Curb Cap Thickness = 0.064 (1.6)
^Approximate Unit Weight = 186 lbs. (84 kg)

All dimensions in inches (millimeters). *May be greater depending on motor. ^Weight shown is largest cataloged Open Drip-Proof motor.

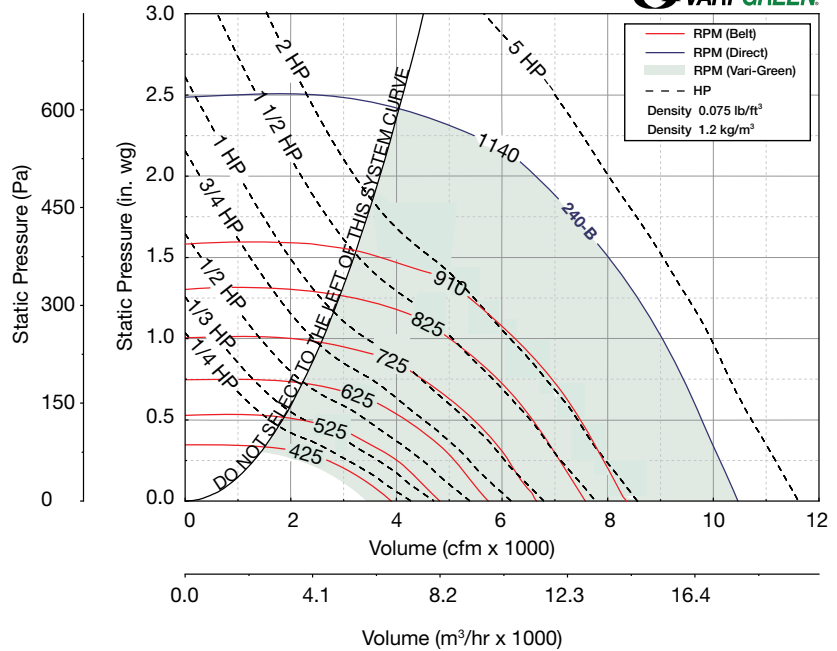
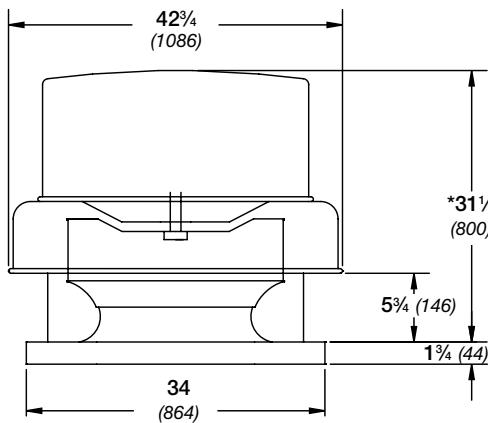


Motor HP	Fan RPM		Static Pressure in Inches wg									
			0.5	0.625	0.75	1	1.25	1.5	1.75	2	2.25	2.5
220HP												
1/2	650	CFM	2952	2555	1892							
		BHP	0.47	0.46	0.42							
		Sones	8.9	8.5	8.3							
	680	CFM	3215	2871	2440							
		BHP	0.53	0.53	0.52							
		Sones	9.4	9.2	8.9							
3/4	728	CFM	3614	3312	2974							
		BHP	0.65	0.65	0.65							
		Sones	10.6	10.3	9.9							
	775	CFM	3973	3719	3424	2643						
		BHP	0.77	0.79	0.79	0.75						
		Sones	12.0	11.5	11.1	10.5						
1	850	CFM	4532	4317	4083	3536	2648					
		BHP	1.00	1.02	1.04	1.03	0.95					
		Sones	15.0	13.8	13.5	12.7	12.0					
1½	913	CFM	4975	4791	4590	4119	3545	2557				
		BHP	1.22	1.25	1.27	1.29	1.27	1.13				
		Sones	16.7	16.0	15.3	14.4	13.5	13.0				
	975	CFM	5400	5245	5060	4660	4185	3602				
		BHP	1.46	1.50	1.53	1.57	1.56	1.53				
		Sones	18.7	18.2	17.5	16.3	15.4	14.8				
2	1025	CFM	5740	5591	5432	5075	4643	4157	3492			
		BHP	1.68	1.72	1.76	1.81	1.82	1.804	1.74			
		Sones	21	20	19.4	18.2	17.1	16.4	15.6			
	1075	CFM	6076	5935	5794	5459	5082	4649	4136	3346		
		BHP	1.93	1.97	2.01	2.06	2.10	2.10	2.07	1.93		
		Sones	23	22	21	20	18.7	18.3	17.7	16.4		
3	1127	CFM	6422	6289	6154	5852	5520	5124	4703	4173	3299	
		BHP	2.20	2.24	2.29	2.36	2.41	2.42	2.41	2.37	2.17	
		Sones	24	24	23	22	21	20	19.3	18.6	17.7	
	1230	CFM	7100	6981	6858	6611	6316	6009	5649	5263	4812	4265
		BHP	2.82	2.87	2.92	3.01	3.08	3.14	3.15	3.14	3.10	3.02
		Sones	28	27	27	27	25	25	23	22	22	22

MAXIMUM BHP AT A GIVEN RPM = (RPM/838)³
MAXIMUM RPM = 1230
TIP SPEED (ft/min) = RPM x 6.414
MAXIMUM MOTOR FRAME SIZE = 184T

Performance certified is for installation type A: Free inlet, Free outlet. Power rating (BHP) does not include transmission losses. Performance ratings include the effects of a birdscreen. The sound ratings shown are loudness values in hemispherical sones at 5 ft. (1.5 m) in a hemispherical free field calculated per AMCA Standard 301. Values shown are for installation type A: free inlet hemispherical sone levels.

Roof Downblast Exhaust Size-240: GB • G



Damper Size = 24 x 24 (610 x 610)
Roof Opening = 30 1/2 x 30 1/2 (775 x 775)
Shroud Thickness = 0.064 (1.6)
Motor Cover Thickness = 0.040 (1.0)
Curb Cap Thickness = 0.064 (1.6)
^Approximate Unit Weight = 165 lbs. (75 kg)

All dimensions in inches (millimeters). *May be greater depending on motor. ^Weight shown is largest cataloged Open Drip-Proof motor.

Direct Drive RPM

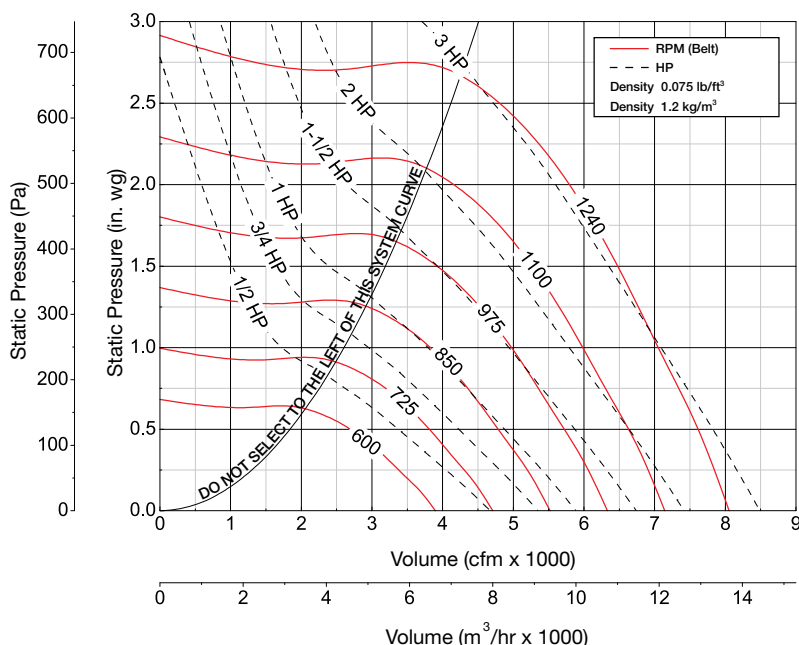
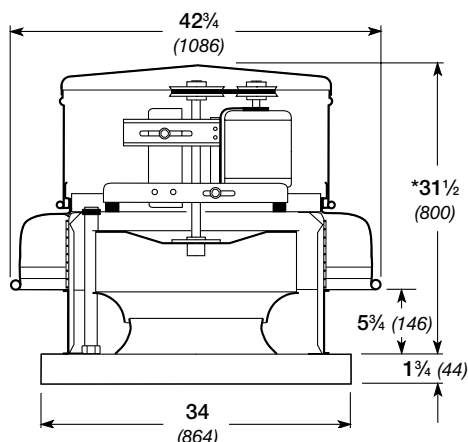
C-860 RPM

B-1140 RPM

Motor HP		Fan RPM		Static Pressure in Inches wg											
Belt	Direct			0	0.125	0.25	0.375	0.5	0.625	0.75	1	1.25	1.5		
240															
1/4	VARI-GREEN VG-2	425	CFM	3902	3422	2691									
			BHP	0.19	0.21	0.20									
			Sones	5.9	5.9	4.7									
1/3		505	CFM	4637	4242	3761	3060								
			BHP	0.32	0.35	0.35	0.34								
			Sones	7.8	7.5	6.9	6.1								
1/2		585	CFM	5371	5031	4666	4195	3562	2112						
			BHP	0.50	0.53	0.54	0.55	0.53	0.41						
			Sones	10.3	9.7	9.1	8.8	8.2	7.2						
3/4		623	CFM	5720	5400	5069	4660	4131	3428						
			BHP	0.60	0.64	0.65	0.66	0.65	0.61						
			Sones	11.7	11.0	10.4	10.0	9.6	9.1						
		660	CFM	6060	5757	5449	5094	4636	4073	3217					
			BHP	0.71	0.75	0.78	0.79	0.78	0.76	0.69					
			Sones	13.1	12.4	11.8	11.3	11.0	10.6	10.4					
1		730	CFM	6702	6428	6158	5861	5507	5077	4568					
			BHP	0.96	1.01	1.05	1.05	1.06	1.06	1.03					
			Sones	15.8	15.0	14.3	13.8	13.4	13.1	12.9					
1½		778	CFM	7143	6886	6632	6363	6058	5700	5266	4145				
			BHP	1.16	1.21	1.26	1.27	1.28	1.29	1.28	1.18				
			Sones	17.7	16.6	15.9	15.4	15.0	14.7	14.4	13.2				
		825	CFM	7575	7332	7092	6844	6574	6261	5901	5002				
			BHP	1.39	1.44	1.49	1.51	1.52	1.54	1.53	1.48				
			Sones	19.7	18.6	17.7	17.2	16.8	16.4	16.2	14.8				
2	C-2	860	CFM	7896	7663	7432	7199	6951	6664	6337	5531	4423			
			BHP	1.57	1.63	1.67	1.71	1.72	1.74	1.74	1.7	1.57			
			Sones	22	20	19.4	19	18.6	18	17.7	16.7	14			
	VG-3	910	CFM	8355	8135	7916	7700	7467	7215	6933	6240	5388	3707		
			BHP	1.86	1.92	1.97	2.02	2.03	2.05	2.06	2.05	1.97	1.66		
			Sones	24	23	21	21	21	20	19.6	19.2	16.7	13.6		
VG-5	B-5	1140	CFM	10467	10291	10115	9941	9768	9594	9406	9005	8538	7988		
			BHP	3.66	3.73	3.8	3.87	3.93	3.98	3.99	4.03	4.05	4.03		
			Sones	46	43	40	38	38	39	40	39	37	39		

Performance certified is for installation type A: Free inlet, Free outlet. Power rating (BHP) does not include transmission losses. Performance ratings include the effects of a birdscreen. The sound ratings shown are loudness values in hemispherical sones at 5 ft. (1.5 m) in a hemispherical free field calculated per AMCA Standard 301. Values shown are for installation type A: free inlet hemispherical sone levels.

Roof Downblast Exhaust Size-240HP: GB



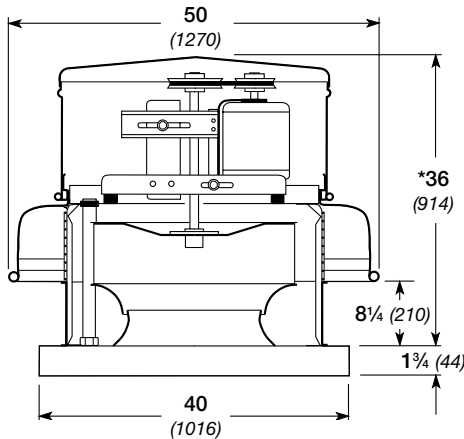
Damper Size = 24 x 24 (610 x 610)
 Roof Opening = 30 1/2 x 30 1/2 (775 x 775)
 Shroud Thickness = 0.064 (1.6)
 Motor Cover Thickness = 0.040 (1.0)
 Curb Cap Thickness = 0.064 (1.6)
 ^Approximate Unit Weight = 187 lbs. (85 kg)

All dimensions in inches (millimeters). *May be greater depending on motor. ^Weight shown is largest cataloged Open Drip-Proof motor.

Motor HP	Fan RPM		Static Pressure in Inches wg									
			0.5	0.625	0.75	1	1.25	1.5	1.75	2	2.25	2.5
240HP												
1/2	635	CFM	3035	2586								
		BHP	0.42	0.41								
		Sones	8.0	7.6								
	685	CFM	3475	3147	2693							
		BHP	0.53	0.53	0.51							
		Sones	9.4	8.8	8.4							
3/4	733	CFM	3877	3603	3272							
		BHP	0.64	0.65	0.65							
		Sones	11.0	10.3	9.7							
	780	CFM	4247	4005	3740	2964						
		BHP	0.76	0.77	0.78	0.75						
		Sones	12.7	11.9	11.3	10.3						
1	860	CFM	4860	4654	4434	3915	3105					
		BHP	0.99	1.02	1.04	1.05	0.99					
		Sones	15.9	15.2	14.3	13.2	12.2					
1½	920	CFM	5310	5118	4925	4496	3944					
		BHP	1.20	1.23	1.25	1.29	1.27					
		Sones	18.5	17.4	16.6	15.0	13.8					
	980	CFM	5751	5574	5392	5010	4562	3958				
		BHP	1.43	1.47	1.49	1.54	1.55	1.52				
		Sones	22	19.9	19.1	17.2	15.6	14.8				
2	1030	CFM	6114	5948	5776	5428	5039	4560	3896			
		BHP	1.65	1.69	1.72	1.77	1.80	1.80	1.73			
		Sones	24	23	21	19.6	17.6	16.3	15.7			
	1080	CFM	6474	6315	6154	5826	5468	5062	4555	3763		
		BHP	1.89	1.92	1.96	2.02	2.06	2.08	2.05	1.93		
		Sones	27	26	24	23	20	18.2	17.3	16.7		
3	1133	CFM	6853	6702	6550	6237	5914	5560	5133	4588		
		BHP	2.16	2.20	2.24	2.31	2.36	2.40	2.39	2.35		
		Sones	29	27	26	24	22	21	19.3	18.7		
	1240	CFM	7610	7471	7333	7053	6767	6469	6146	5775	5364	4776
		BHP	2.80	2.84	2.89	2.97	3.04	3.10	3.14	3.14	3.13	3.04
		Sones	31	30	29	28	27	25	24	23	23	22

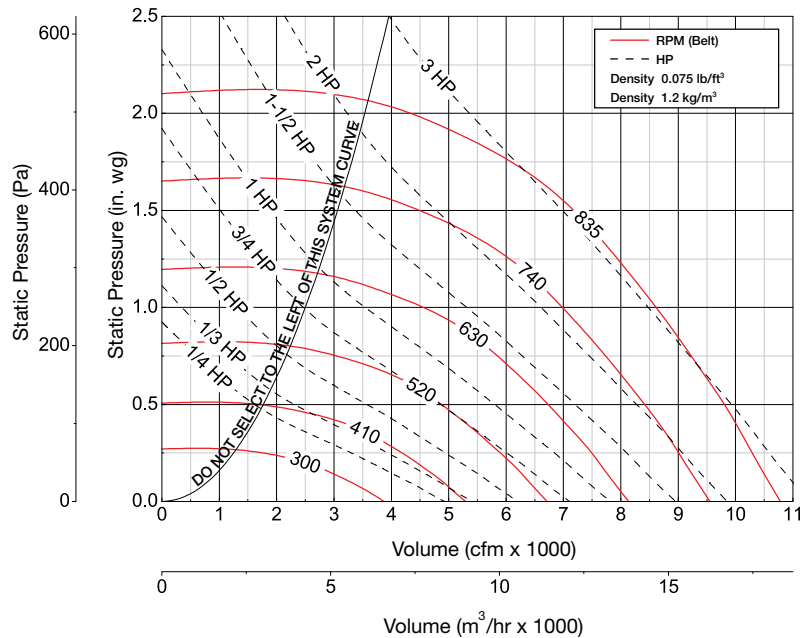
Performance certified is for installation type A: Free inlet, Free outlet. Power rating (BHP) does not include transmission losses. Performance ratings include the effects of a birdscreen. The sound ratings shown are loudness values in hemispherical sones at 5 ft. (1.5 m) in a hemispherical free field calculated per AMCA Standard 301. Values shown are for installation type A: free inlet hemispherical sone levels.

Roof Downblast Exhaust Size-260: GB



Damper Size = 34 x 34 (864 x 864)
Roof Opening = 36½ x 36½ (927 x 927)
Shroud Thickness = 0.064 (1.6)
Motor Cover Thickness = 0.051 (1.3)
Curb Cap Thickness = 0.064 (1.6)
^Approximate Unit Weight = 305 lbs. (138 kg)

All dimensions in inches (millimeters). *May be greater depending on motor. ^Weight shown is largest cataloged Open Drip-Proof motor.

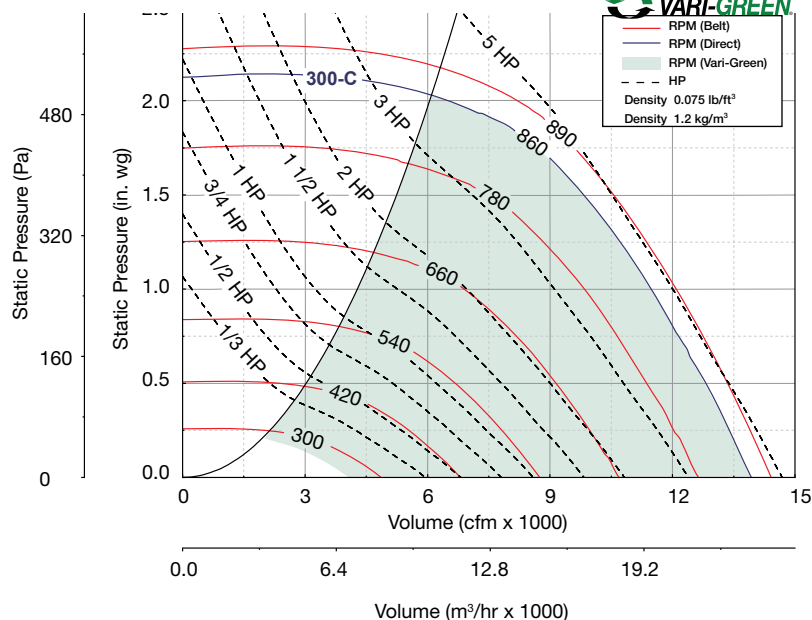
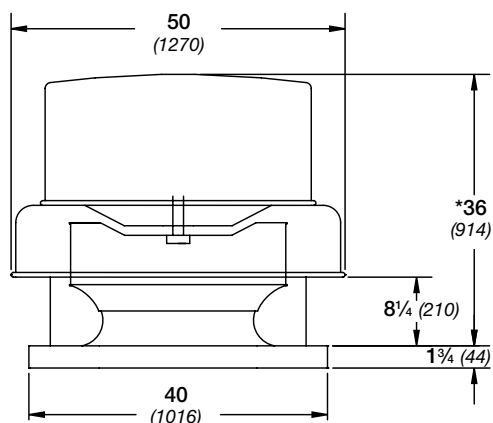


Motor HP	Fan RPM		Static Pressure in Inches wg									
			0	0.125	0.25	0.5	0.75	1	1.25	1.5	1.75	2
260												
1/4	300	CFM	3875	3121	1727							
		BHP	0.12	0.14	0.12							
		Sones	8.0	7.1	7.4							
	365	CFM	4714	4130	3393							
		BHP	0.22	0.25	0.26							
		Sones	9.2	8.8	8.6							
1/3	405	CFM	5231	4716	4095							
		BHP	0.30	0.33	0.35							
		Sones	10.4	10.3	10.3							
1/2	465	CFM	6005	5570	5063	3745						
		BHP	0.45	0.50	0.52	0.53						
		Sones	11.4	10.9	10.4	9.6						
3/4	520	CFM	6716	6324	5898	4869	3008					
		BHP	0.63	0.68	0.72	0.75	0.64					
		Sones	12.9	12.1	11.3	10.3	9.4					
1	580	CFM	7491	7137	6775	5912	4826					
		BHP	0.88	0.93	0.98	1.04	1.03					
		Sones	14.4	13.7	13.0	12.2	11.0					
1½	665	CFM	8588	8278	7979	7274	6474	5465	3608			
		BHP	1.33	1.39	1.44	1.53	1.57	1.55	1.29			
		Sones	16.7	16.2	15.8	15.0	14.2	13.3	12.8			
2	700	CFM	9041	8746	8460	7811	7068	6227	4912			
		BHP	1.55	1.61	1.67	1.77	1.82	1.83	1.71			
		Sones	17.8	17.4	17.0	16.2	15.5	14.8	13.8			
	735	CFM	9493	9212	8938	8335	7649	6878	5916	4236		
		BHP	1.79	1.86	1.92	2.03	2.10	2.13	2.09	1.80		
		Sones	18.9	18.6	18.3	17.6	16.8	16.2	15.6	14.9		
3	785	CFM	10138	9875	9617	9069	8452	7769	7006	5949	4189	
		BHP	2.18	2.26	2.33	2.44	2.53	2.58	2.59	2.49	2.11	
		Sones	21	20	20	19.7	18.9	18.2	17.9	17.1	16.7	
	835	CFM	10784	10537	10292	9794	9225	8606	7932	7157	6024	4294
		BHP	2.62	2.70	2.78	2.91	3.02	3.08	3.12	3.10	2.93	2.49
		Sones	23	23	22	22	21	20	19.9	19.7	18.7	18.6

MAXIMUM BHP AT A GIVEN RPM = (RPM/572)³
MAXIMUM RPM = 835
TIP SPEED (ft/min) = RPM x 7.985
MAXIMUM MOTOR FRAME SIZE = 184T

Performance certified is for installation type A: Free inlet, Free outlet. Power rating (BHP) does not include transmission losses. Performance ratings include the effects of a birdscreen. The sound ratings shown are loudness values in hemispherical sones at 5 ft. (1.5 m) in a hemispherical free field calculated per AMCA Standard 301. Values shown are for installation type A: free inlet hemispherical sone levels.

Roof Downblast Exhaust Size-300: GB • G



Damper Size = 34 x 34 (864 x 864)
Roof Opening = 36½ x 36½ (927 x 927)
Shroud Thickness = 0.064 (1.6)
Motor Cover Thickness = 0.051 (1.3)
Curb Cap Thickness = 0.064 (1.6)
^Approximate Unit Weight = 320 lbs. (145 kg)

All dimensions in inches (millimeters). *May be greater depending on motor. ^Weight shown is largest cataloged Open Drip-Proof motor.

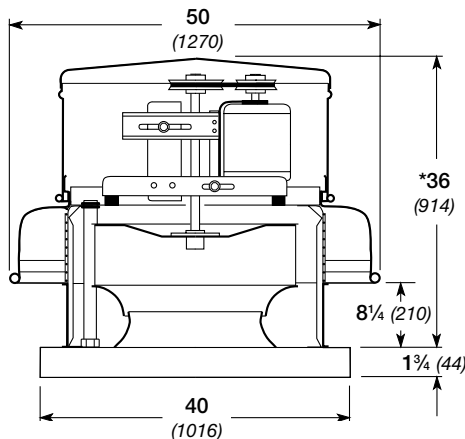
Direct Drive RPM

C-860 RPM

Motor HP		Fan RPM	Static Pressure in Inches wg												
Belt	Direct		0	0.125	0.25	0.5	0.75	1	1.25	1.5	1.75	2			
300															
1/3	VARI-GREEN	VG-5	300	CFM	4859	3976									
				BHP	0.18	0.19									
				Sones	9.3	5.3									
1/2			420	CFM	6803	6222	5537								
				BHP	0.50	0.52	0.53								
				Sones	9.6	8.0	7.0								
3/4			475	CFM	7694	7197	6616	5095							
				BHP	0.72	0.75	0.77	0.74							
				Sones	11.4	10.6	9.6	8.1							
1			530	CFM	8585	8150	7640	6456	4195						
				BHP	1.00	1.04	1.06	1.07	0.91						
				Sones	13.4	12.9	12.2	10.7	9.4						
1½			600	CFM	9719	9334	8907	7952	6721						
				BHP	1.45	1.49	1.53	1.55	1.52						
				Sones	15.9	15.4	14.9	13.8	12.2						
2			665	CFM	10772	10425	10060	9228	8269	7025					
				BHP	1.97	2.02	2.06	2.11	2.11	2.03					
				Sones	18.8	18.2	17.7	16.8	15.7	13.7					
3			713	CFM	11549	11226	10901	10129	9297	8283	6691				
				BHP	2.43	2.48	2.53	2.59	2.61	2.57	2.38				
				Sones	21	20	19.6	18.9	18.0	16.4	13.7				
				760	CFM	12311	12007	11704	10997	10242	9369	8293	6437		
					BHP	2.94	3.00	3.05	3.13	3.16	3.15	3.06	2.76		
					Sones	23	22	21	21	19.8	18.6	16.8	14.0		
5	825	CFM	13363	13084	12804	12175	11501	10770	9909	8885	7128				
		BHP	3.76	3.82	3.88	3.97	4.02	4.05	4.01	3.90	3.56				
		Sones	25	25	24	24	23	22	20	18.7	16.1				
	C-5	860	CFM	13930	13662	13394	12801	12158	11475	10709	9804	8599	6464		
			BHP	4.26	4.32	4.38	4.49	4.55	4.58	4.57	4.49	4.29	3.77		
			Sones	27	27	27	25	25	24	23	21	19.9	17.7		
	890	CFM	14416	14157	13898	13335	12716	12073	11379	10536	9568	7963			
		BHP	4.73	4.79	4.85	4.96	5.03	5.06	5.09	5.02	4.89	4.54			
		Sones	28	28	28	27	26	25	24	22	21	18.7			

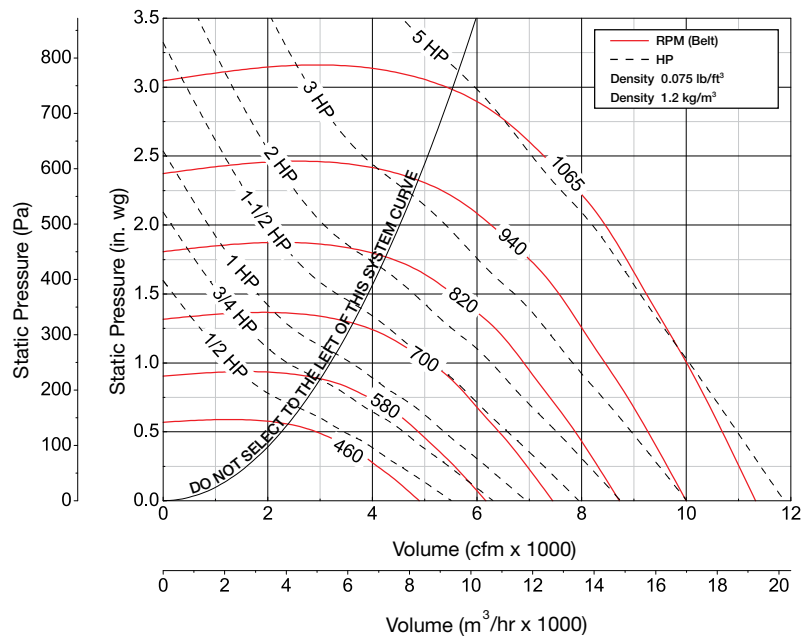
Performance certified is for installation type A: Free inlet, Free outlet. Power rating (BHP) does not include transmission losses. Performance ratings include the effects of a birdscreen. The sound ratings shown are loudness values in hemispherical sones at 5 ft. (1.5 m) in a hemispherical free field calculated per AMCA Standard 301. Values shown are for installation type A: free inlet hemispherical sone levels.

Roof Downblast Exhaust Size-300HP: GB



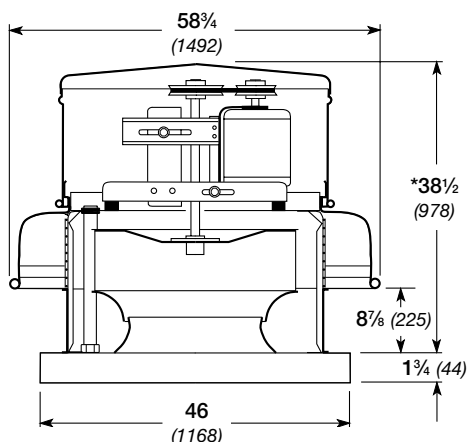
Damper Size = 34 x 34 (864 x 864)
 Roof Opening = 36 1/2 x 36 1/2 (927 x 927)
 Shroud Thickness = 0.064 (1.6)
 Motor Cover Thickness = 0.051 (1.3)
 Curb Cap Thickness = 0.064 (1.6)
 ^Approximate Unit Weight = 320 lbs. (145 kg)

All dimensions in inches (millimeters). *May be greater depending on motor. ^Weight shown is largest cataloged Open Drip-Proof motor.



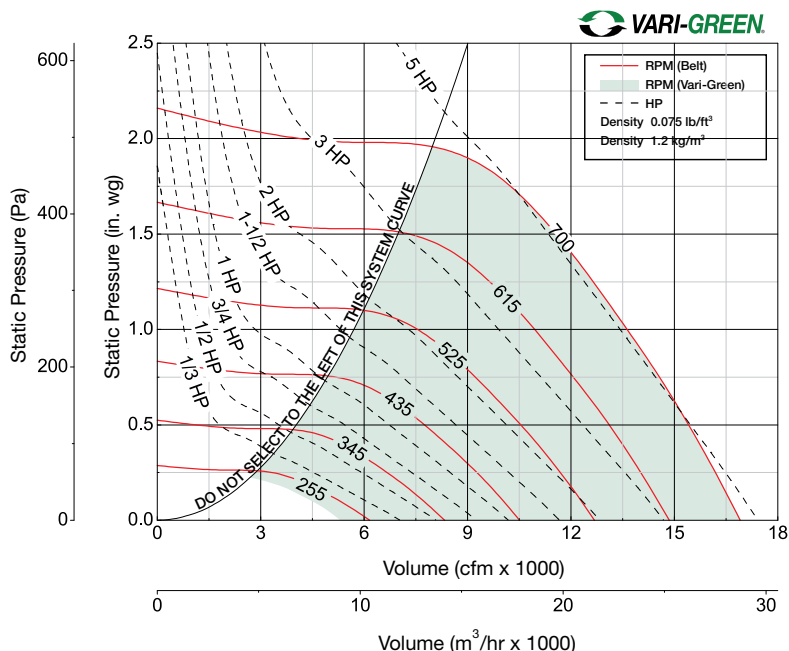
Motor HP	Fan RPM		Static Pressure in Inches wg									
			0.5	0.75	1	1.25	1.5	1.75	2	2.25	2.5	2.75
300HP												
1/2	460	CFM	2912									
		BHP	0.41									
		Sones	9.7									
	495	CFM	3602									
		BHP	0.53									
Sones		10.3										
3/4	565	CFM	4662	3600								
		BHP	0.77	0.76								
		Sones	11.8	10.4								
1	620	CFM	5398	4652	3309							
		BHP	1.01	1.04	0.94							
		Sones	13.4	12.3	10.6							
1½	710	CFM	6542	5954	5269	4221						
		BHP	1.48	1.53	1.55	1.47						
		Sones	17.2	16.0	15.3	13.4						
2	748	CFM	7013	6462	5889	5027						
		BHP	1.71	1.78	1.81	1.78						
		Sones	18.8	17.5	17.0	15.7						
	785	CFM	7460	6943	6402	5737	4800					
		BHP	1.96	2.04	2.08	2.10	2.00					
Sones		20	19.1	18.5	17.9	16.2						
3	840	CFM	8107	7642	7146	6636	5922	4992				
		BHP	2.37	2.46	2.52	2.57	2.56	2.43				
		Sones	23	22	21	21	19.7	18.0				
	895	CFM	8746	8328	7870	7394	6892	6150	5245			
		BHP	2.84	2.95	3.03	3.07	3.11	3.08	2.92			
Sones		25	24	23	23	23	22	19.8				
5	980	CFM	9722	9356	8951	8531	8094	7657	7029	6264	5222	
		BHP	3.68	3.81	3.90	3.99	4.03	4.08	4.09	3.95	3.69	
		Sones	32	31	29	28	27	26	25	24	23	
	1065	CFM	10688	10351	10006	9621	9233	8831	8429	7903	7255	6543
		BHP	4.67	4.81	4.94	5.04	5.12	5.17	5.23	5.24	5.17	5.01
Sones		44	42	37	37	36	35	33	31	30	29	

Roof Downblast Exhaust Size-330: GB



Damper Size = 40 x 40 (1016 x 1016)
Roof Opening = 42 1/2 x 42 1/2 (1080 x 1080)
Shroud Thickness = 0.080 (2.0)
Motor Cover Thickness = 0.064 (1.6)
Curb Cap Thickness = 0.080 (2.0)
^Approximate Unit Weight = 385 lbs. (175 kg)

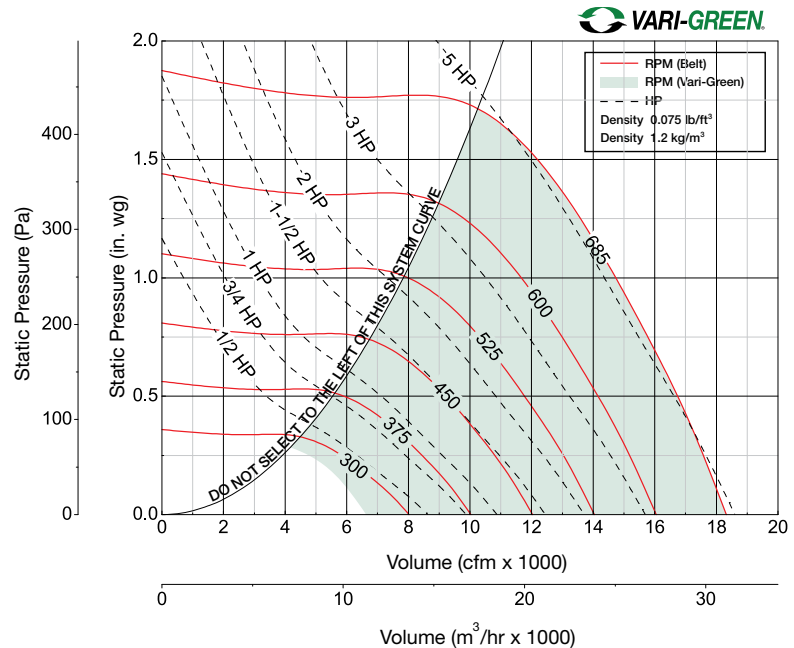
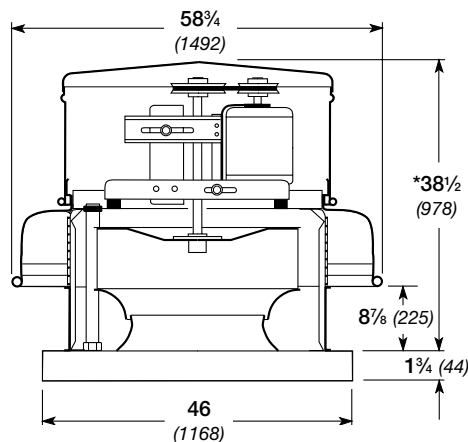
All dimensions in inches (millimeters). *May be greater depending on motor. ^Weight shown is largest cataloged Open Drip-Proof motor.



Motor HP		Fan RPM	Static Pressure in Inches wg										
			0	0.125	0.25	0.375	0.5	0.75	1	1.25	1.5	1.75	
330													
1/3	VARI-GREEN 	255	CFM	6159	5043	3236							
			BHP	0.22	0.25	0.22							
			Sones	5.2	4.9	4.8							
		275	CFM	6643	5633	4308							
			BHP	0.28	0.31	0.31							
			Sones	5.9	5.5	5.2							
1/2		325	CFM	7850	7029	6036	4757						
			BHP	0.46	0.50	0.52	0.50						
			Sones	8.5	8.3	7.4	7.1						
3/4		370	CFM	8937	8232	7410	6480	5257					
			BHP	0.68	0.73	0.76	0.76	0.72					
			Sones	10.2	9.8	9.2	8.4	8.3					
1		415	CFM	10024	9401	8713	7927	7050					
			BHP	0.95	1.01	1.06	1.07	1.07					
			Sones	12.6	11.9	11.3	10.6	10.0					
1½		VG-2	465	CFM	11232	10683	10087	9425	8706	6966			
				BHP	1.34	1.40	1.46	1.50	1.51	1.46			
				Sones	15.1	14.6	14.0	13.4	12.8	11.7			
2	510		CFM	12319	11824	11294	10719	10085	8696	6472			
			BHP	1.77	1.84	1.91	1.96	1.98	1.99	1.79			
			Sones	17.7	17.2	16.6	16.1	15.6	14.4	13.9			
3	VG-3	550	CFM	13285	12828	12340	11822	11266	10041	8616			
			BHP	2.22	2.29	2.37	2.43	2.47	2.51	2.46			
			Sones	19.6	19.2	18.7	18.2	17.7	16.7	15.7			
		590	CFM	14251	13825	13376	12908	12408	11307	10081	8536		
			BHP	2.74	2.82	2.90	2.98	3.03	3.09	3.08	2.95		
			Sones	22	21	21	20	19.8	18.8	17.7	17.1		
5	VG-5	645	CFM	15580	15190	14786	14366	13922	12958	11912	10749	9292	
			BHP	3.57	3.66	3.75	3.84	3.91	4.00	4.04	4.01	3.85	
			Sones	24	24	24	23	23	22	21	20	19.4	
		700	CFM	16908	16549	16185	15798	15408	14564	13624	12640	11538	10184
			BHP	4.57	4.66	4.761	4.86	4.95	5.08	5.14	5.17	5.12	4.94
			Sones	28	27	27	27	27	26	25	24	23	22

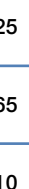
Performance certified is for installation type A: Free inlet, Free outlet. Power rating (BHP) does not include transmission losses. Performance ratings include the effects of a birdscreen. The sound ratings shown are loudness values in hemispherical sones at 5 ft. (1.5 m) in a hemispherical free field calculated per AMCA Standard 301. Values shown are for installation type A: free inlet hemispherical sone levels.

Roof Downblast Exhaust Size-360: GB



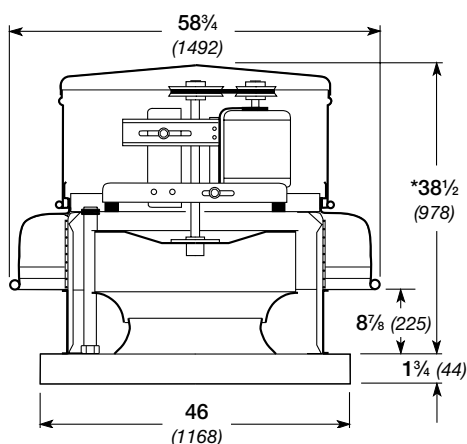
Damper Size = 40 x 40 (1016 x 1016)
Roof Opening = 42 1/2 x 42 1/2 (1080 x 1080)
Shroud Thickness = 0.080 (2.0)
Motor Cover Thickness = 0.064 (1.6)
Curb Cap Thickness = 0.080 (2.0)
^Approximate Unit Weight = 415 lbs. (188 kg)

All dimensions in inches (millimeters). *May be greater depending on motor. ^Weight shown is largest cataloged Open Drip-Proof motor.

Motor HP		Fan RPM	Static Pressure in Inches wg											
			0	0.125	0.25	0.375	0.5	0.625	0.75	1	1.25	1.5		
360														
1/2		300	CFM	8024	7070	5804								
			BHP	0.40	0.43	0.44								
			Sones	7.6	6.6	5.6								
		325	CFM	8693	7830	6756	5001							
			BHP	0.51	0.54	0.56	0.51							
			Sones	8.7	7.7	6.8	5.6							
3/4		365	CFM	9763	9024	8109	7013							
			BHP	0.72	0.76	0.79	0.78							
			Sones	10.8	10.0	8.9	7.9							
1		410	CFM	10966	10330	9558	8686	7641						
			BHP	1.02	1.07	1.11	1.12	1.11						
			Sones	13.7	13.3	11.9	10.9	9.6						
1½			460	CFM	12304	11737	11085	10360	9568	8607	7096			
				BHP	1.45	1.50	1.55	1.58	1.59	1.56	1.46			
				Sones	15.9	15.6	14.8	14.1	13.1	12.1	10.9			
2			483	CFM	12919	12379	11776	11109	10355	9517	8488			
				BHP	1.67	1.73	1.78	1.82	1.83	1.83	1.78			
				Sones	17.0	16.7	16.1	15.5	14.8	13.7	12.9			
	505		CFM	13507	12991	12431	11795	11096	10368	9473				
			BHP	1.91	1.97	2.02	2.07	2.09	2.10	2.07				
			Sones	18.1	17.8	17.3	16.8	16.5	15.5	14.7				
3	543		CFM	14524	14043	13551	12959	12350	11679	10965	8917			
			BHP	2.38	2.44	2.5	2.55	2.59	2.60	2.60	2.46			
			Sones	20	19.8	19.4	18.9	18.6	17.8	16.9	15.6			
	580		CFM	15513	15064	14614	14077	13523	12917	12289	10813			
			BHP	2.90	2.96	3.03	3.09	3.14	3.17	3.18	3.13			
			Sones	22	22	22	21	21	20	19.1	17.6			
5			633	CFM	16931	16519	16107	15654	15146	14639	14072	12892	11465	
				BHP	3.77	3.84	3.91	3.98	4.04	4.10	4.12	4.13	4.05	
				Sones	26	25	25	24	24	23	23	21	19.7	
		685	CFM	18322	17941	17560	17179	16711	16243	15774	14710	13535	12119	
			BHP	4.77	4.85	4.93	5.01	5.07	5.14	5.20	5.23	5.21	5.10	
			Sones	30	30	29	29	28	28	26	24	23	22	

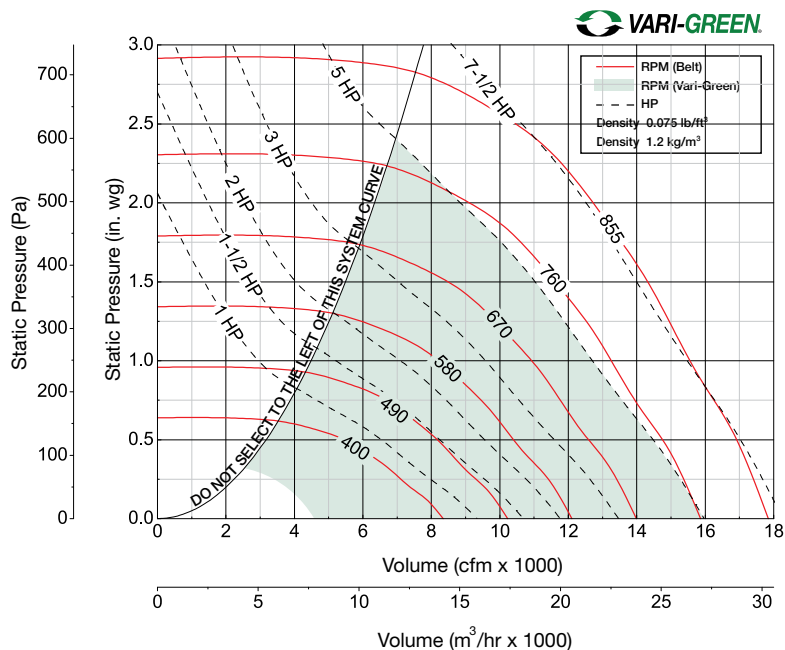
Performance certified is for installation type A: Free inlet, Free outlet. Power rating (BHP) does not include transmission losses. Performance ratings include the effects of a birdscreen. The sound ratings shown are loudness values in hemispherical sones at 5 ft. (1.5 m) in a hemispherical free field calculated per AMCA Standard 301. Values shown are for installation type A: free inlet hemispherical sone levels.

Roof Downblast Exhaust Size-360HP: GB



Damper Size = 40 x 40 (1016 x 1016)
Roof Opening = 42 1/2 x 42 1/2 (1080 x 1080)
Shroud Thickness = 0.080 (2.0)
Motor Cover Thickness = 0.064 (1.6)
Curb Cap Thickness = 0.080 (2.0)
^Approximate Unit Weight = 460 lbs. (209 kg)

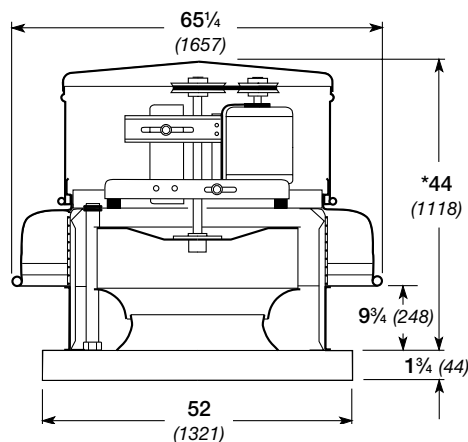
All dimensions in inches (millimeters). *May be greater depending on motor. ^Weight shown is largest cataloged Open Drip-Proof motor.



Motor HP		Fan RPM		Static Pressure in Inches wg									
				0.5	0.75	1	1.25	1.5	1.75	2	2.25	2.5	2.75
360HP													
1	VG-1	420	CFM	6097									
			BHP	0.91									
			Sones	10.4									
		435	CFM	6576									
			BHP	1.02									
1½	VG-2	500	CFM	8432	7000								
			BHP	1.56	1.53								
			Sones	13.4	12.5								
		525	CFM	9061	7808	5650							
			BHP	1.79	1.78	1.61							
2	VG-2	550	Sones	14.7	13.6	12.7							
			CFM	9681	8589	6998							
			BHP	2.05	2.06	1.98							
		550	Sones	16.0	14.8	14.2							
			3	VG-3	590	CFM	10657	9719	8495	6528			
BHP	2.50	2.57				2.52	2.32						
Sones	18.0	16.3				15.7	14.9						
630	CFM	11616			10772	9767	8525	6006					
	BHP	3.01			3.11	3.10	3.04	2.63					
5	VG-5	690	Sones	20	18.6	17.6	16.9	15.7					
			CFM	13062	12259	11464	10468	9335	7159				
			BHP	3.93	4.02	4.11	4.05	3.99	3.60				
		750	Sones	24	22	21	20	19.2	18.1				
			CFM	14487	13711	13002	12220	11282	10239	8513			
7½	X	803	BHP	5.02	5.10	5.22	5.26	5.20	5.13	4.83			
			Sones	27	25	24	24	23	22	21			
			CFM	15728	14985	14309	13647	12863	11960	10986	9445		
		855	BHP	6.13	6.22	6.33	6.46	6.44	6.37	6.30	6.01		
			Sones	31	30	28	27	26	25	24	23		
7½	X	855	CFM	16918	16236	15568	14946	14315	13544	12676	11761	10368	8273
			BHP	7.37	7.47	7.58	7.71	7.82	7.76	7.69	7.61	7.32	6.63
			Sones	35	33	33	31	29	29	27	27	26	25
		855	CFM	16918	16236	15568	14946	14315	13544	12676	11761	10368	8273
			BHP	7.37	7.47	7.58	7.71	7.82	7.76	7.69	7.61	7.32	6.63
7½	X	855	Sones	35	33	33	31	29	29	27	27	26	25

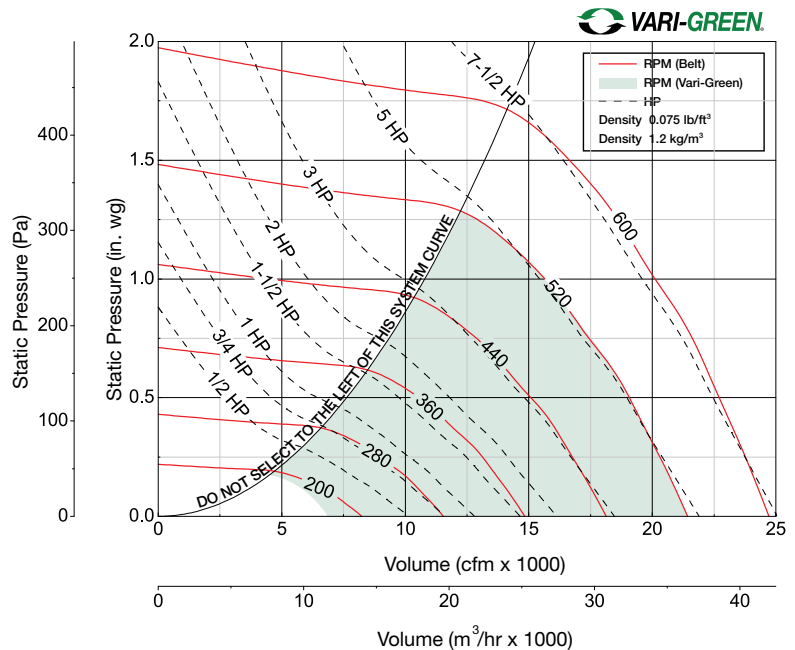
Performance certified is for installation type A: Free inlet, Free outlet. Power rating (BHP) does not include transmission losses. Performance ratings include the effects of a birdscreen. The sound ratings shown are loudness values in hemispherical sones at 5 ft. (1.5 m) in a hemispherical free field calculated per AMCA Standard 301. Values shown are for installation type A: free inlet hemispherical sone levels.

Roof Downblast Exhaust Size-420: GB



Damper Size = 46 x 46 (1168 x 1168)
Roof Opening = 48 1/2 x 48 1/2 (1232 x 1232)
Shroud Thickness = 0.080 (2.0)
Motor Cover Thickness = 0.064 (1.6)
Curb Cap Thickness = 0.100 (2.5)
^Approximate Unit Weight = 495 lbs. (225 kg)

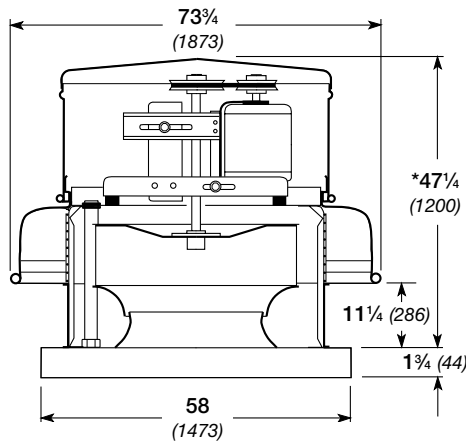
All dimensions in inches (millimeters). *May be greater depending on motor. ^Weight shown is largest cataloged Open Drip-Proof motor.



Motor HP		Fan RPM		Static Pressure in Inches wg										
				0	0.125	0.25	0.375	0.50	0.625	0.75	1.00	1.25	1.5	
420														
1/2	VG-1 	200	CFM	8242	6454									
			BHP	0.27	0.29									
			Sones	3.1	2.9									
		240	CFM	9890	8573	6365								
			BHP	0.46	0.50	0.48								
			Sones	4.6	5.0	4.9								
3/4		275	CFM	11332	10219	8698								
			BHP	0.69	0.75	0.76								
			Sones	6.2	6.8	5.6								
1		305	CFM	12568	11579	10320	8672							
			BHP	0.95	1.01	1.03	1.01							
			Sones	8.0	8.4	7.5	7.2							
1½	VG-2	345	CFM	14217	13357	12411	11102	9463						
			BHP	1.37	1.45	1.49	1.50	1.45						
			Sones	11.7	11.3	10.8	10.1	9.6						
2		380	CFM	15659	14892	14043	12983	11787	10108					
			BHP	1.83	1.92	1.97	2.00	2.00	1.91					
			Sones	14.4	13.8	13.3	12.7	12.3	12.0					
3	VG-3	435	CFM	17925	17264	16540	15792	14790	13764	12502				
			BHP	2.74	2.86	2.93	2.97	2.99	3.00	2.95				
			Sones	19.0	18.4	17.8	17.3	16.6	16.4	16.5				
5	VG-5	475	CFM	19574	18968	18320	17640	16887	15929	14994	12315			
			BHP	3.57	3.69	3.78	3.84	3.88	3.90	3.91	3.69			
			Sones	22	21	20	19.8	19.3	18.6	18.3	18.3			
		515	CFM	21222	20663	20081	19459	18826	18046	17162	15254	12312		
			BHP	4.55	4.68	4.80	4.87	4.92	4.95	4.98	4.92	4.56		
			Sones	24	24	23	22	21	21	20	19.4	19.1		
7½		558	CFM	22994	22478	21957	21383	20805	20219	19446	17835	15908		
			BHP	5.79	5.93	6.07	6.15	6.22	6.28	6.31	6.34	6.21		
			Sones	27	27	26	25	24	24	23	23	22		
		600	CFM	24725	24245	23765	23243	22709	22166	21621	20104	18585	16590	
			BHP	7.20	7.35	7.51	7.61	7.70	7.76	7.81	7.87	7.86	7.64	
			Sones	30	30	30	29	27	27	26	26	26	26	

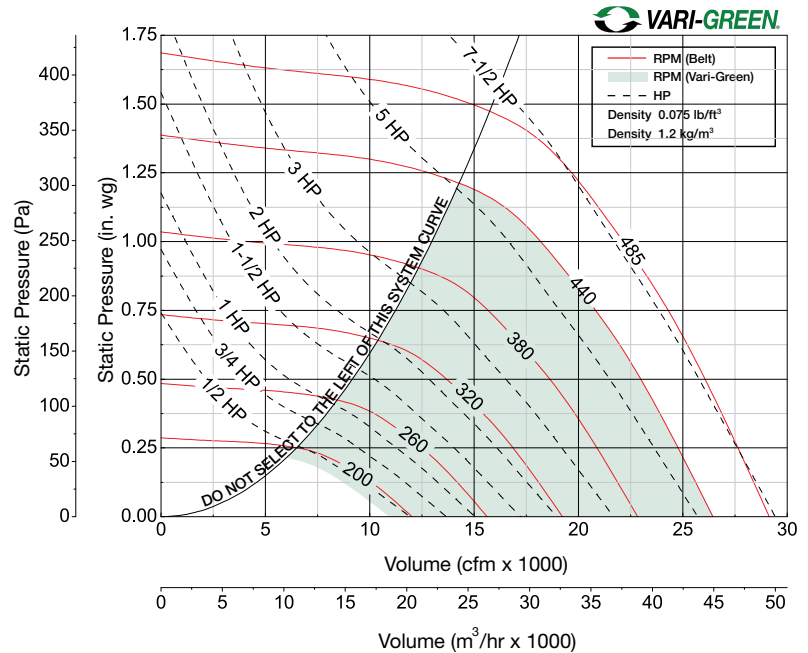
Performance certified is for installation type A: Free inlet, Free outlet. Power rating (BHP) does not include transmission losses. Performance ratings include the effects of a birdscreen. The sound ratings shown are loudness values in hemispherical sones at 5 ft. (1.5 m) in a hemispherical free field calculated per AMCA Standard 301. Values shown are for installation type A: free inlet hemispherical sone levels.

Roof Downblast Exhaust Size-480: GB



Damper Size = 52 x 52 (1321 x 1321)
 Roof Opening = 54 1/2 x 54 1/2 (1384 x 1384)
 Shroud Thickness = 0.080 (2.0)
 Motor Cover Thickness = 0.064 (1.6)
 Curb Cap Thickness = 0.100 (2.5)
 ^Approximate Unit Weight = 623 lbs. (283 kg)

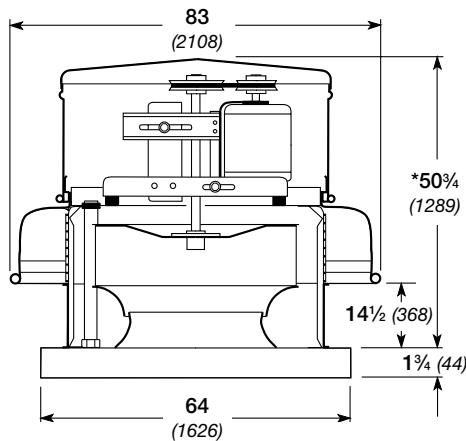
All dimensions in inches (millimeters). *May be greater depending on motor. ^Weight shown is largest cataloged Open Drip-Proof motor.



Motor HP		Fan RPM		Static Pressure in Inches wg										
				0	0.125	0.25	0.375	0.5	0.625	0.75	0.875	1	1.25	
480														
1/2	 VG-1	200	CFM	12020	10059	6529								
			BHP	0.51	0.55	0.48								
			Sones	7.3	6.6	7.3								
3/4		225	CFM	13522	11811	9500								
			BHP	0.73	0.77	0.76								
			Sones	8.3	8.0	7.6								
1		250	CFM	15025	13516	11662	8820							
			BHP	1.00	1.05	1.06	0.98							
			Sones	9.5	9.5	8.6	8.1							
1½		VG-2	285	CFM	17129	15830	14379	12517	9587					
				BHP	1.48	1.54	1.58	1.56	1.42					
				Sones	11.8	11.2	10.7	10.0	9.1					
2	310		CFM	18631	17437	16135	14589	12656						
			BHP	1.90	1.97	2.02	2.02	1.97						
			Sones	14.0	13.0	12.2	12.0	11.5						
3	VG-3	360	CFM	21636	20608	19548	18385	17010	15420	13507				
			BHP	2.98	3.06	3.13	3.17	3.17	3.21	3.00				
			Sones	17.6	17.0	16.4	15.9	15.5	15.0	14.2				
5	VG-5	393	CFM	23619	22678	21736	20683	19605	18254	16764	15086			
			BHP	3.87	3.66	4.05	4.10	4.14	4.12	4.06	3.94			
			Sones	20	19.9	19.5	18.8	18.3	18.0	17.5	16.7			
		415	CFM	24942	24050	23158	22189	21181	20012	18733	17211	15486		
			BHP	4.56	4.65	4.75	4.81	4.85	4.86	4.84	4.74	4.58		
			Sones	22	22	22	21	21	20	20	19.1	18.1		
425	CFM	25542	24672	23801	22868	21883	20799	19550	18156	16604				
	BHP	4.90	4.99	5.09	5.16	5.20	5.22	5.20	5.13	5.00				
	Sones	23	23	23	22	22	21	21	20	19.3				
7½		455	CFM	27345	26532	25719	24886	23966	23046	21953	20786	19471	15870	
			BHP	6.01	6.11	6.22	6.31	6.36	6.41	6.41	6.38	6.30	5.85	
			Sones	27	27	27	26	26	25	25	24	24	21	
		485	CFM	29149	28386	27623	26860	26016	25153	24290	23201	22106	19517	
			BHP	7.28	7.39	7.50	7.61	7.67	7.72	7.78	7.75	7.73	7.49	
			Sones	31	31	31	31	30	29	29	28	28	26	

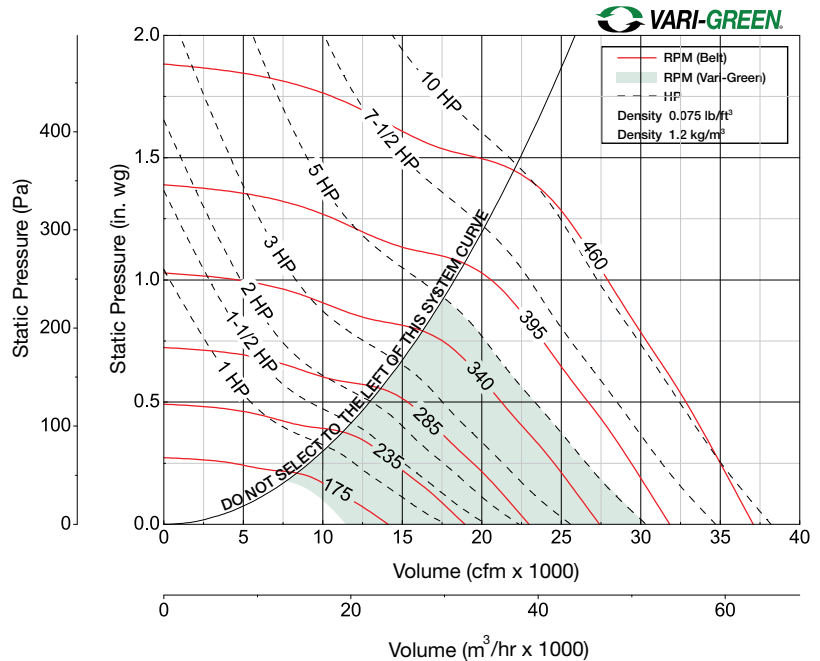
Performance certified is for installation type A: Free inlet, Free outlet. Power rating (BHP) does not include transmission losses. Performance ratings include the effects of a birdscreen. The sound ratings shown are loudness values in hemispherical sones at 5 ft. (1.5 m) in a hemispherical free field calculated per AMCA Standard 301. Values shown are for installation type A: free inlet hemispherical sone levels.

Roof Downblast Exhaust Size-500: GB



Damper Size = 58 x 58 (1473 x 1473)
Roof Opening = 60 1/2 x 60 1/2 (1537 x 1537)
Shroud Thickness = 0.100 (2.5)
Motor Cover Thickness = 0.064 (1.6)
Curb Cap Thickness = 0.100 (2.5)
^Approximate Unit Weight = 687 lbs. (312 kg)

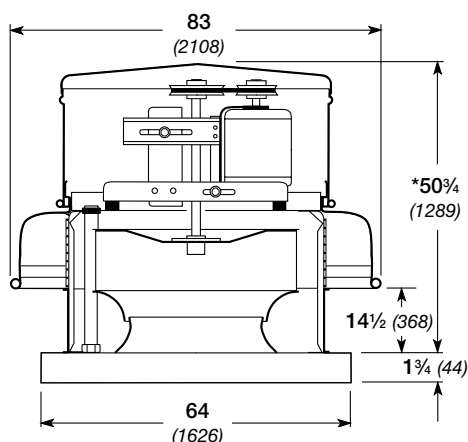
All dimensions in inches (millimeters). *May be greater depending on motor. ^Weight shown is largest cataloged Open Drip-Proof motor.



Motor HP		Fan RPM		Static Pressure in Inches wg										
				0	0.125	0.25	0.375	0.5	0.625	0.75	0.875	1	1.25	
500														
1	VG-1	175	CFM	14102	11123									
			BHP	0.50	0.57									
			Sones	6.7	6.5									
		200	CFM	16117	13588	10593								
			BHP	0.75	0.85	0.83								
			Sones	8.4	8.0	7.7								
		214	CFM	17245	14939	12242								
			BHP	0.92	1.04	1.04								
			Sones	9.5	9.1	8.7								
1½	VG-2	245	CFM	19743	17749	15481	12983							
			BHP	1.38	1.54	1.57	1.53							
			Sones	11.9	11.5	11.0	10.7							
2		269	CFM	21677	19873	17857	15752							
			BHP	1.83	2.02	2.06	2.08							
			Sones	14.0	13.8	13.2	12.7							
3		308	CFM	24820	23263	21627	19752	17903	15284					
			BHP	2.74	3.00	3.09	3.11	3.11	2.96					
			Sones	17.7	17.4	16.9	16.2	15.8	15.6					
5	VG-5	337	CFM	27157	25739	24253	22614	20937	19206	16671				
			BHP	3.59	3.89	4.01	4.06	4.08	4.06	3.88				
			Sones	19.9	19.5	19.1	18.5	17.9	17.6	17.4				
		366	CFM	29494	28188	26834	25429	23831	22310	20688	18366			
			BHP	4.60	4.92	5.10	5.20	5.20	5.24	5.19	4.99			
			Sones	22	22	21	21	20	19.8	19.5	19.4			
7½	X	419	CFM	33764	32624	31467	30265	29015	27607	26276	24940	23486		
			BHP	6.90	7.27	7.57	7.70	7.80	7.80	7.84	7.88	7.78		
			Sones	27	27	27	26	26	25	24	24	23		
10		440	CFM	35457	34371	33279	32134	30989	29679	28373	27107	25801	22407	
			BHP	8.00	8.38	8.74	8.87	9.01	9.03	9.05	9.10	9.09	8.73	
			Sones	30	29	29	29	29	28	27	26	26	25	
		460	CFM	37068	36030	34991	33900	32805	31625	30342	29127	27917	25310	
			BHP	9.14	9.54	9.94	10.10	10.24	10.32	10.32	10.36	10.41	10.26	
			Sones	32	32	32	32	32	31	30	29	28	27	

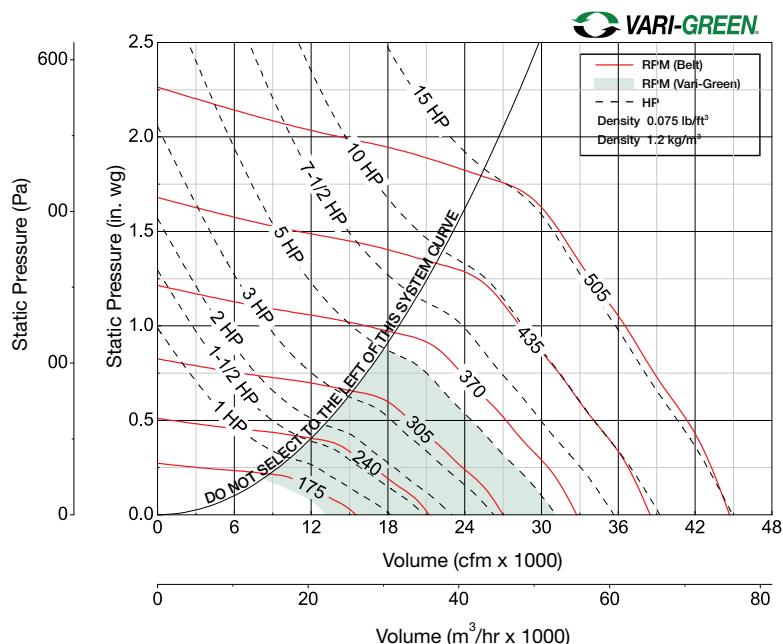
Performance certified is for installation type A: Free inlet, Free outlet. Power rating (BHP) does not include transmission losses. Performance ratings include the effects of a birdscreen. The sound ratings shown are loudness values in hemispherical sones at 5 ft. (1.5 m) in a hemispherical free field calculated per AMCA Standard 301. Values shown are for installation type A: free inlet hemispherical sone levels.

Roof Downblast Exhaust Size-540: GB



Damper Size = 58 x 58 (1473 x 1473)
 Roof Opening = 60 1/2 x 60 1/2 (1537 x 1537)
 Shroud Thickness = 0.100 (2.5)
 Motor Cover Thickness = 0.064 (1.6)
 Curb Cap Thickness = 0.100 (2.5)
 ^Approximate Unit Weight = 748 lbs. (339 kg)

All dimensions in inches (millimeters). *May be greater depending on motor. ^Weight shown is largest cataloged Open Drip-Proof motor.



Motor HP	Fan RPM		Static Pressure in Inches wg											
			0	0.125	0.25	0.375	0.5	0.75	1	1.25	1.5	1.75		
540														
1	VG-1	175	CFM	15488	1250									
			BHP	0.61	0.65									
		Sones	6.9	6.3										
		195	CFM	17258	14674	11068								
			BHP	0.85	0.90	0.87								
		Sones	7.8	7.5	7.2									
205	CFM	18143	15724	12632										
	BHP	0.99	1.04	1.03										
	Sones	8.3	8.2	8.1										
1½	VG-2	235	CFM	20798	18814	16229	12673							
			BHP	1.49	1.57	1.56	1.50							
			Sones	10.1	10.4	10.5	10.6							
2		259	CFM	22922	21228	18963	16439							
			BHP	1.99	2.09	2.11	2.08							
			Sones	12.3	12.1	11.9	11.6							
3	VG-3	296	CFM	26197	24874	22870	20831	18610						
			BHP	2.97	3.11	3.14	3.13	3.10						
			Sones	16.2	15.6	15.3	15.0	14.3						
5	VG-5	351	CFM	31064	30005	28492	26810	25115	21376					
			BHP	4.96	5.13	5.21	5.24	5.23	5.15					
			Sones	21	21	19.9	19.3	18.7	17.4					
7½	X	402	CFM	35578	34653	33552	32075	30612	27519	24274				
			BHP	7.45	7.65	7.80	7.84	7.87	7.82	7.73				
			Sones	27	26	26	25	24	23	21				
10		442	CFM	39118	38277	37435	36109	34766	32131	29134	26111			
			BHP	9.90	10.12	10.34	10.39	10.44	10.46	10.36	10.24			
			Sones	32	32	32	32	32	28	27	26			
15		474	CFM	41950	41165	40381	39287	38034	35558	32927	30151	26271		
			BHP	12.21	12.45	12.68	12.80	12.85	12.90	12.84	12.73	12.42		
			Sones	36	36	37	36	35	33	31	30	28		
			505	CFM	44694	43957	43221	42332	41157	38813	36503	33869	31293	26758
				BHP	14.77	15.02	15.27	15.45	15.51	15.60	15.60	15.48	15.36	14.84
				Sones	40	40	40	40	39	38	36	35	32	30

Performance certified is for installation type A: Free inlet, Free outlet. Power rating (BHP) does not include transmission losses. Performance ratings include the effects of a birdscreen. The sound ratings shown are loudness values in hemispherical sones at 5 ft. (1.5 m) in a hemispherical free field calculated per AMCA Standard 301. Values shown are for installation type A: free inlet hemispherical sone levels.