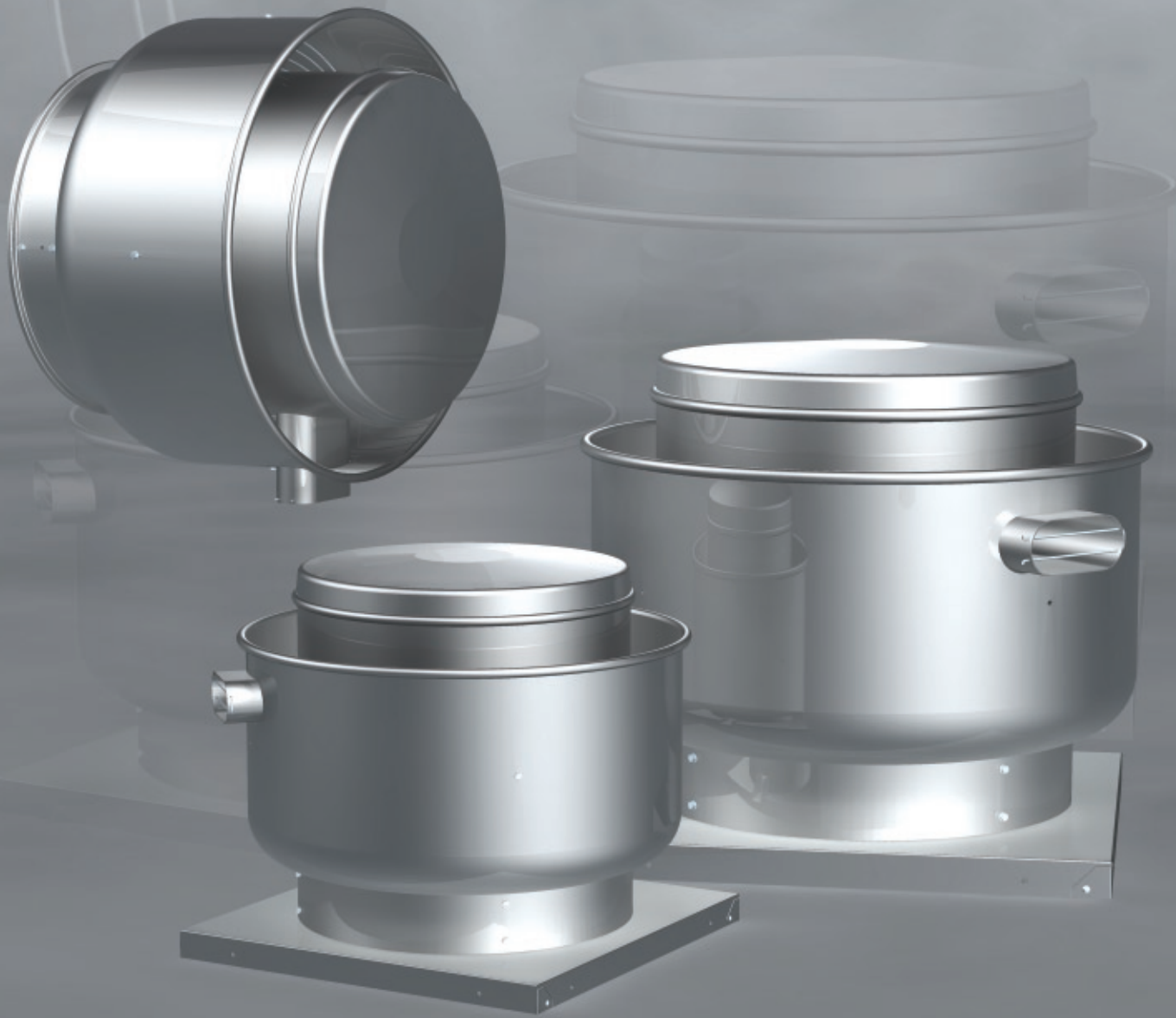


Centrifugal Exhaust Fans Series C

Roof Upblast and Sidewall



 **GREENHECK**
Building Value in Air.

April
2008

Series C - Spun Aluminum

Roof Upblast and Sidewall Centrifugal Exhaust Fans



When you buy a Greenheck Series C model, you receive a fan with the industry's best performance and durability for general clean air, high grease and other contaminant applications (as found in restaurants, food service and fume hood exhaust). Both Roof Upblast and Sidewall configurations are specifically designed to discharge air directly away from the mounting surface.

- Broadest performance in the industry, up to 5 in. wg (1245 Pa) and 30,000 cfm (51,000 m³/hr).
- Most advanced motor cooling of any fan in its class.
- Greenheck pioneered leakproof construction for the entire life of the fan utilizing a one-piece windband continuously welded to the curb cap.
- Performance as cataloged is assured. All fan sizes are tested in our AMCA Accredited Laboratory and all models are licensed to bear the AMCA Sound and Air performance seals.
- UL/cUL Listed for electrical and grease.
- Greenheck subjects these products to extensive life testing, assuring you the fans will provide many years of reliable performance.



CUE, CUBE, CW, and CWB models are listed for electrical (UL/cUL 705) File no. E40001



CUE, CUBE, CW, and CWB models are listed for grease removal (UL/cUL 762) File no. MH11745



Greenheck Fan Corporation certifies that the Models CUE, CUBE, CW and CWB fans shown herein are licensed to bear the AMCA Seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 211 and Publication 311 and comply with the requirements of the AMCA Certified Ratings Program. The certified ratings for Models CUE, CUBE, CW, and CWB are shown on pages 8 to 69.

**UL/cUL is optional and must be specified*

Quick Delivery and Quick Build Programs



You can order from more than 40 Series C configurations, hundreds of in-stock ventilation products and accessories that can ship to your job site in less than 24 hours from our strategically located warehouses throughout the world.

For other sizes and configurations where rapid response time is required, our Quick Build (QB) Program can manufacture and ship your custom products in one, three, five, or ten days.

Table of Contents

Model Comparison.....	4
Product Features and Accessories.....	5-6
Typical Installation.....	7
Model Number Code.....	7
CUE Performance and Dimensions.....	8-15
CUBE Performance and Dimensions.....	16-42
CW Performance and Dimensions.....	43-50
CWB Performance and Dimensions.....	51-69
Typical Specifications.....	70-71
Warranty.....	72

Outstanding Customer Service

Your local Greenheck representative has a wealth of industry and product knowledge to answer your questions. Our representatives receive the latest product information and can have orders processed directly to our factory. With our direct order processing system, we can ship orders as fast as the next day. With Greenheck’s experienced staff, we can answer questions and provide solutions.



Leading Edge Technical Support



When you need extensive product information look no further. Greenheck products are supported by the industry’s best product literature, ranging from catalogs, installation, operation and maintenance manuals (IOM’s), electronic media, computer aided product selection (CAPS) program and more. You’ll also find this information on our website at www.greenheck.com

Count on personal service and expertise from our national and international representative organizations. To locate your nearest Greenheck representative, call 715-359-6171 or visit our website at www.greenheck.com

World Class Manufacturing

Greenheck’s skilled production workers use cost-effective machines and unique dies designed and built by our own engineers to add innovative features and greater strength to our centrifugal exhaust fans. Our advanced manufacturing processes and quality control procedures always ensure the highest product quality. And just to be sure you get the peace-of-mind you expect when you specify Greenheck, our assembly inspectors test run and monitor every fan before it leaves the factory. Results of these tests are kept in permanent records for future reference.



Standard Models

CUE & CW - Direct Drive

Available in fourteen sizes with nominal wheel diameters ranging from 9 through 20 inches (229 through 508 millimeters).

Models CUE/CW 060 through 200

Capacities range from 70 to 6,400 cfm (120 to 10,900 m³/hr) with static pressures to 2.25 in. wg (560 Pa).

CUBE & CWB - Belt Drive

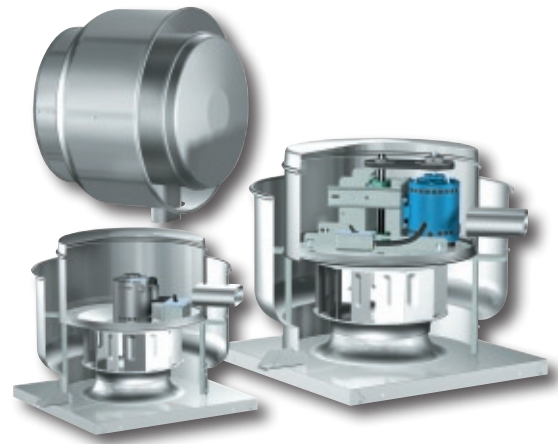
Available in fourteen sizes with nominal wheel diameters ranging from 9 through 48 inches (229 through 1219 millimeters).

Models CUBE-098 through CUBE-480

Capacities range from 240 to 30,000 cfm (400 to 51,000 m³/hr) with static pressures to 2 in. wg (498 Pa).

Models CWB-098 through CWB-300

Capacities range from 240 to 12,500 cfm (400 to 21,200 m³/hr) with static pressures to 2 in. wg (498 Pa).



High Pressure Models

CUE-HP & CW-HP - Direct Drive

Available in three sizes with nominal wheel diameters ranging from 14 through 18 inches (356 through 457 millimeters).

Models CUE/CW-141HP, 161HP, and 180HP

Capacities range from 750 to 4,800 cfm (1,300 to 8,200 m³/hr) with static pressures to 3 in. wg (747 Pa).

CUBE-HP & CWB-HP - Belt Drive

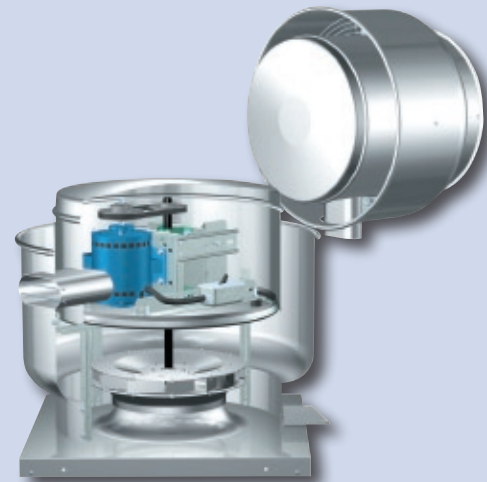
Available in nine sizes with nominal wheel diameters ranging from 10 through 36 inches (254 through 914 millimeters).

Models CUBE-101HP through CUBE-360HP

Capacities range from 200 to 17,000 cfm (340 to 28,900 m³/hr) with static pressures to 2.75 in. wg (685 Pa).

Models CWB-101HP through CWB-300HP

Capacities range from 200 to 9,000 cfm (340 to 15,300 m³/hr) with static pressures to 2.75 in. wg (685 Pa).



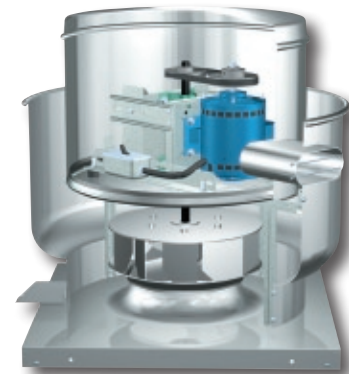
Extended Pressure Models

CUBE-XP - Belt Drive

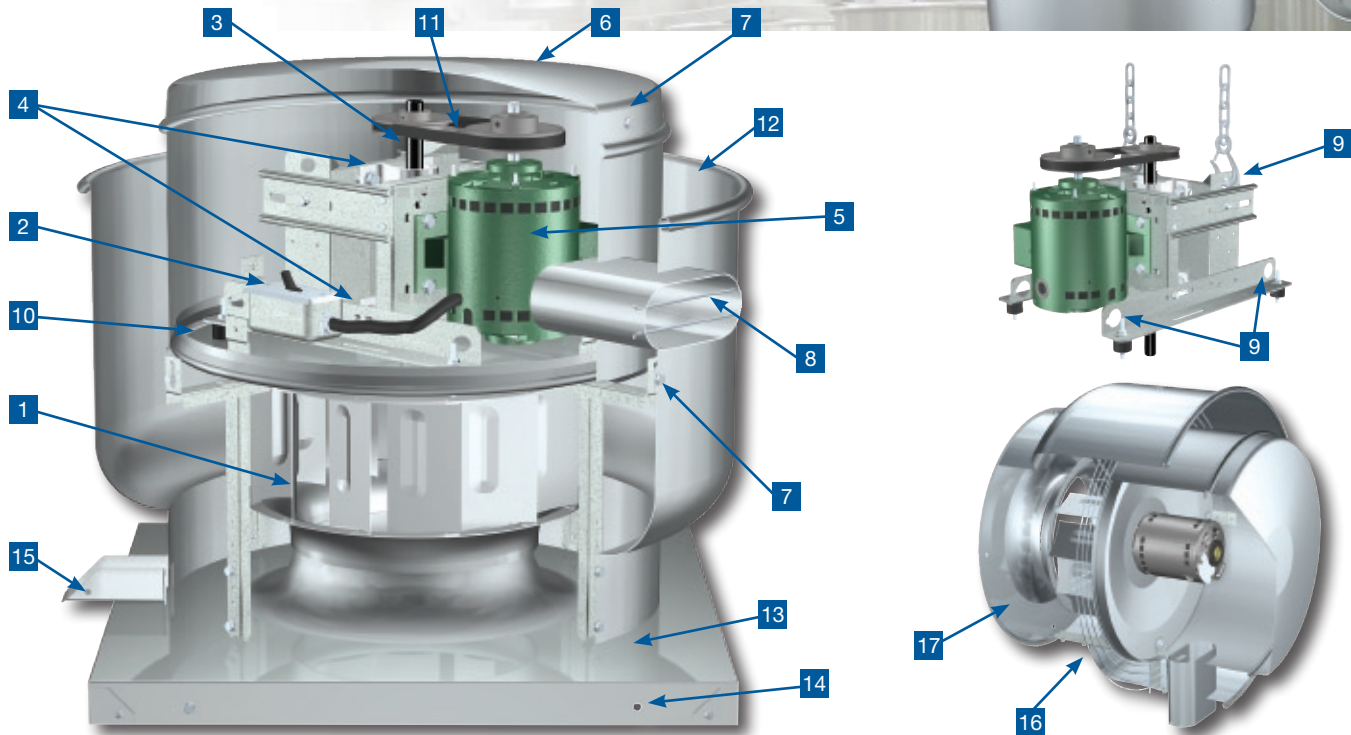
Available in four sizes with nominal wheel diameters ranging from 14 through 36 inches (356 through 914 millimeters).

Models CUBE-161XP, 240XP, 300XP, and 360XP

Capacities range from 650 to 10,700 cfm (1,100 to 18,200 m³/hr) with static pressures to 5 in. wg (1,245 Pa).



Standard Construction Features

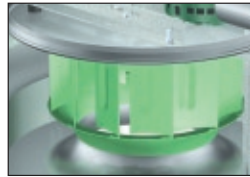


- 1 Wheel** - An aluminum, backward-inclined, non-overloading centrifugal wheel is utilized to generate high efficiency and minimal sound. Wheel cones are carefully matched to the venturi for maximum efficiency. Each wheel is statically and dynamically balanced for long life and quiet operation.
 - 2 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 Electric Codes (NEC) and are either UL/cUL 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, close tolerances result in longer bearing life.
 - 4 Bearings** - 100% factory tested and designed specifically for air handling applications with a minimum L₁₀ life in excess of 100,000 hours (L₅₀ life of 500,000 hours).
 - 5 Motor** - Carefully matched to the fan load and is mounted out of the airstream.
 - 6 Motor Cover** - Constructed of aluminum. Attached with stainless steel fasteners for easy removal and access to the motor compartment and drive assembly.
 - 7 Stainless Steel Fasteners** - Allow easy removal and access to the motor compartment and drive assembly.
 - 8 Motor Cooling** - Cooling fins located on top of fan wheel draw outside air through a large breather tube directly into the motor compartment. Positive motor cooling with fresh air results in maximum motor life.
 - 9 Lifting Points** - Select models have various lifting points located on the drive frame and bearing plates.
 - 10 Vibration Isolation** - True vibration isolators contain two independent studs with rubber neoprene to support the drive assembly and wheel for long life and quiet operation. (No steel to steel contact.)
 - 11 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.
 - 12 Windband** - One-piece, heavy-gauge aluminum with a rolled bead for extra strength directs exhaust air away from the mounting surface.
 - 13 Leakproof Construction** - One-piece windband is continuously welded to the curb cap and drain trough for leakproof protection on models CUE and CUBE sizes 98 through 360 and all sizes with UL/cUL 762.
 - 14 Mounting Holes** - Aluminum curb cap has prepunched mounting holes to ensure correct attachment to the roof.
 - 15 Drain Trough** - Allows for one-point drainage of water, grease and other residues. (Roof Upblast only.)
 - 16 Galvanized Birdsreen** - Rigid wire protects the fan discharge from birds and small objects. Standard on all sidewall fan models CW and CWB.
 - 17 Galvanized Mounting Plate** - Allows mounting and sealing to the wall prior to mounting the entire unit. The remainder of the unit is attached to the mounting plate without locating and fastening problems associated with mounting a heavy sidewall unit to a wall. (Sidewall only.)
- Internal Conduit Chase** - For easy internal electrical wiring in applications, not subject to NFPA.
- Nameplate** - Permanent stamped aluminum nameplate for exact model and serial number identification.

Options and Accessories



Non-Stick Wheel - Patented coating helps prevent wheel imbalance in heavy grease applications and allows buildup on wheel to be easily removed.
Patent No. 5,809,993



Coatings - Wide variety of coatings and colors are available for decorative to acidic applications.

Clean-Out Port - Patented removable plug allows for easy spray or steam cleaning of wheel through the windband. (Roof Upblast only.) Patent No. 5,809,993



Birdscreen - Galvanized or aluminum rigid wire to protect the fan discharge from birds or small objects. (Galvanized is standard on Sidewall models.)

Self-Draining Grease System - Drains grease and rain water back through the ductwork into the specially designed Greenheck kitchen hood. The grease and rain water is then channeled into the restaurant's floor grease trap.



Curb Seal - Rubber seal between fan and curb to assure proper sealing when attached to a curb.

Roof Curbs - Wide variety of roof curbs are available for mounting the fan to the roof, including: vented, flanged, pitched, and sound-absorbing.



Vented Curb Extensions - Mounts between roof curb and roof mounted fan to meet NFPA requirements of 40 in. minimum discharge above the roof when mounted on a minimum 8 in. high roof curb.



Disconnect Switches - Assorted NEMA rated switches are available for positive electrical shutoff and safety, including: dust-tight, rainproof, and corrosion-resistant.



Windband Extension - Aluminum tube raising the fan discharge an additional 36 in. for special code requirements.

Dampers - Designed to prevent outside air from entering back into the building when fan is off. Includes backdraft and motorized dampers. (N/A with UL/cUL 762)



Tie Down Points - Four brackets located on the windband for securing the fan in heavy wind applications.

Drain Connection - Allows for single-point drainage of grease, water or other residues. (Roof Upblast only.)



Grease Trap - Aluminum trap designed to collect grease residue to avoid drainage onto roof surface. (Roof Upblast only.)

Grease Trap with Absorbent Material - Same as above with an absorbent material to collect grease residue for easy disposal. (Roof Upblast only.)



Speed Controllers - Available for use with shaded pole and permanent split capacitor open motors on direct drive fans. They provide an economical means of system balancing.



Hinge Kit - Allows maintenance personnel to hinge the entire fan up to gain access to wheel and ductwork for regular inspection and cleaning. (Roof Upblast only.)

Hinged Base - Allows for easy maintenance. Hinge and restraining cables are factory mounted to a subbase attached directly to curb without additional height added. (Roof Upblast only.)



UL/cUL 705 - all Series C models are listed for electrical. File no. E40001

UL/cUL 762 - all Series C models are listed for grease removal. File no. MH11745

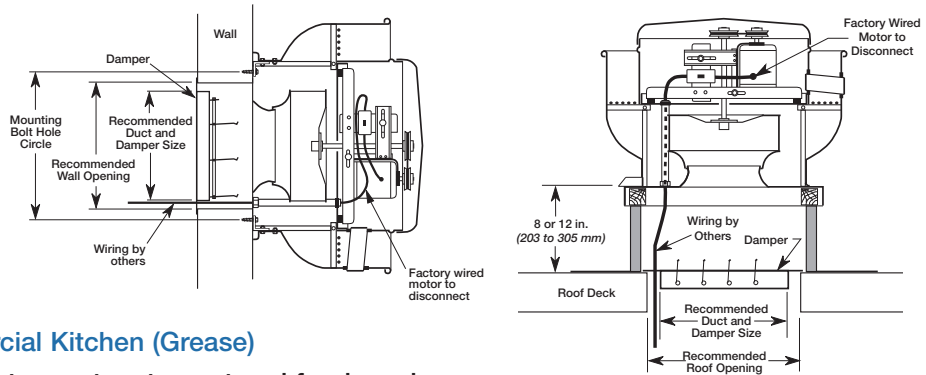


Typical Installations



Typical Installation - General Clean Air or Fume Hood (Non Grease)

Series C exhaust fans are designed for applications ranging from clean air to contaminated air. A typical installation is shown. Sizes 95 and smaller can handle temperatures up to 130°F (54°C).



Typical Installation - Commercial Kitchen (Grease)

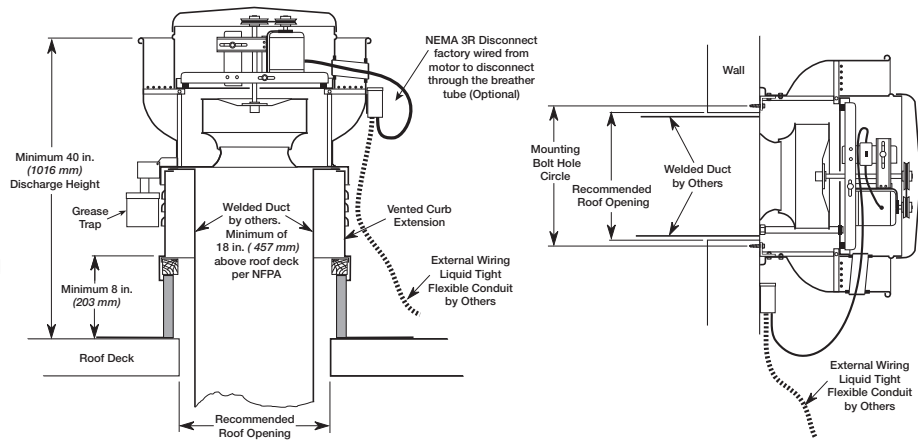
Sizes 098 and larger are designed to meet restaurant and food service applications. These fans are UL/cUL Listed for grease removal and have been tested under high temperature (400°F (204°C)) and abnormal flare-up (600°F (316°C)) conditions.

Due to high temperatures and grease-laden airstreams in commercial kitchen ventilation, system designers must be aware of governing codes and guidelines. The National Fire Protection Association (NFPA) is the primary source which governs many codes for commercial kitchen ventilation. Selected information from NFPA is shown below. Local code authorities should be consulted before proceeding with any kitchen ventilation project.

Exhaust fans used in kitchen ventilation applications must have external wiring. (Wiring must not be installed in the airstream.)

Installation must include a means for inspecting, cleaning and servicing the exhaust fan. (e.g. Hinged Curb Cap)

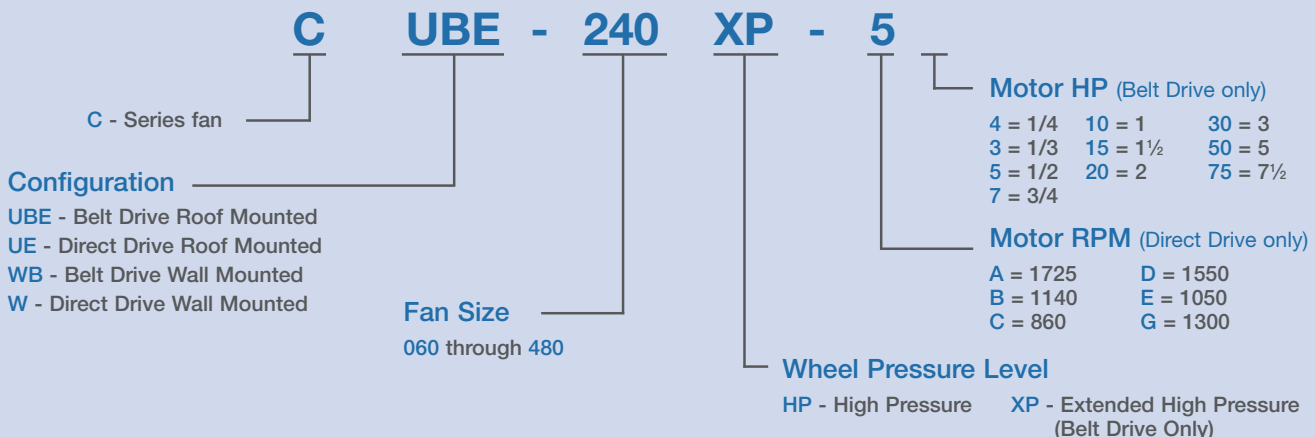
No dampers are to be installed in the system.



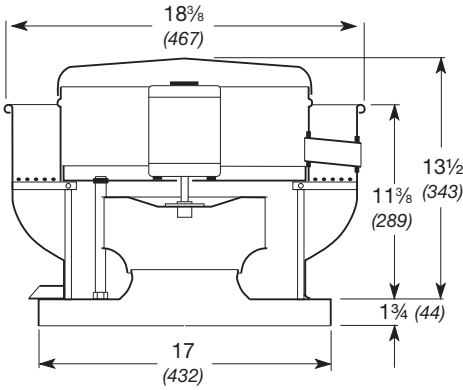
Note: Above installations are recommendations based on national codes. The local authority may supercede these recommendations.

Model Number Code

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

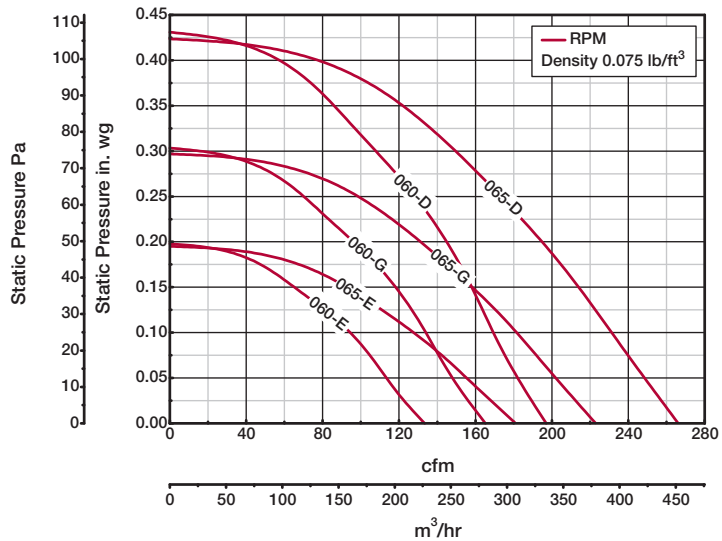


CUE-060 and 065 - Direct Drive



Damper Size = 8 x 8 (203 x 203)
 Roof Opening = $10\frac{1}{2}$ x $10\frac{1}{2}$ (267 x 267)
 ^Approximate Unit Weight = 29 lb. (13 kg)

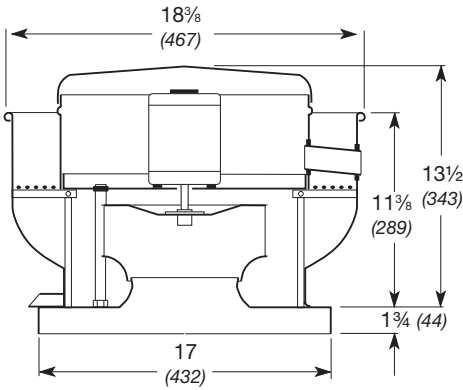
All dimensions in inches (millimeters).
 ^Weight shown is largest cataloged Open Drip-Proof motor.



Model Number	Motor HP	Fan RPM		CFM / Static Pressure in Inches wg										
				0	0.05	0.1	0.125	0.15	0.2	0.25	0.3	0.35	0.375	
CUE-060-E	1/200	1050	CFM	133	113	94	81	65						
			BHP	0.01	0.01	0.01	0.01	0.01						
			Sones	1.7	1.7	1.7	1.7	1.7						
CUE-060-G	1/100	1300	CFM	165	148	134	126	117	96	70				
			BHP	0.01	0.01	0.01	0.01	0.01	0.01	0.01				
			Sones	2.8	2.6	2.5	2.5	2.5	2.5	2.5				
CUE-060-D	1/60	1550	CFM	197	183	169	164	158	143	128	107	85		
			BHP	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	
			Sones	4.2	3.9	3.9	3.9	3.9	4.0	4.0	4.0	4.0	4.0	
CUE-065-E	1/100	1050	CFM	180	154	126	109	89						
			BHP	0.01	0.01	0.01	0.01	0.01						
			Sones	2.2	2.0	1.9	2.0	2.2						
CUE-065-G	1/60	1300	CFM	223	202	181	170	158	129	97				
			BHP	0.02	0.02	0.02	0.02	0.02	0.02	0.02				
			Sones	3.2	3.2	3.1	3.1	3.0	3.0	2.9				
CUE-065-D	1/30	1550	CFM	266	249	231	222	214	194	172	145	119	95	
			BHP	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	
			Sones	4.7	4.2	4.2	4.2	4.2	4.1	4.1	4.0	4.0	3.9	

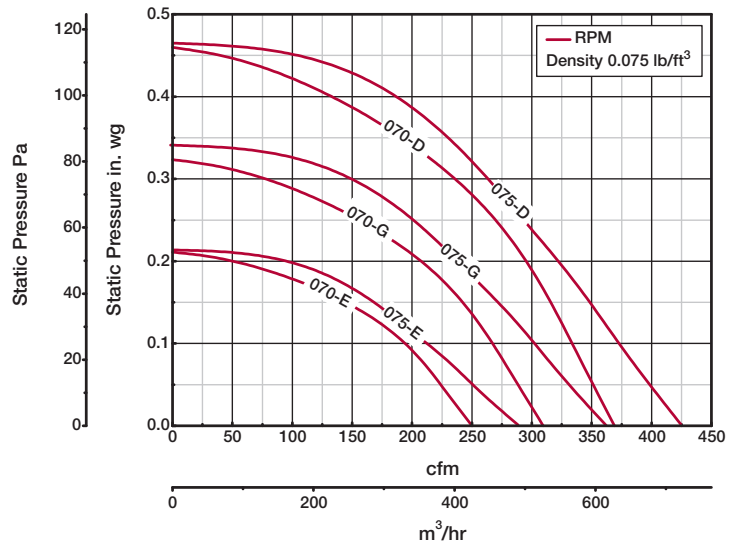
Performance certified is for installation type A: Free inlet, Free outlet. Performance ratings do not include the effects of appurtenances (accessories). The sound ratings shown are loudness values in fan sones at 5 ft. (1.5 m) in a hemispherical free field calculated per AMCA Standard 301. Values shown are for installation type A: Free inlet fan sone levels. The AMCA Certified Ratings Seal applies to sone ratings only.

CUE-070 and 075 - Direct Drive



Damper Size = 8 x 8 (203 x 203)
 Roof Opening = $10\frac{1}{2}$ x $10\frac{1}{2}$ (267 x 267)
 ^Approximate Unit Weight = 29 lb. (13 kg)

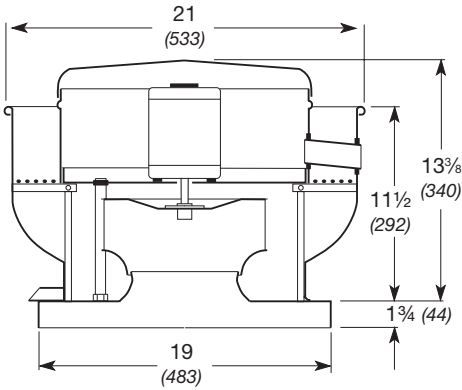
All dimensions in inches (millimeters).
 ^Weight shown is largest cataloged Open Drip-Proof motor.



Model Number	Motor HP	Fan RPM		CFM / Static Pressure in Inches wg										
				0	0.05	0.1	0.125	0.15	0.2	0.25	0.3	0.35	0.375	
CUE-070-E	1/100	1050	CFM	250	224	193	171	143						
			BHP	0.01	0.01	0.01	0.01	0.01						
			Sones	2.6	2.1	1.6	1.4	1.2						
CUE-070-G	1/60	1300	CFM	309	288	267	255	241	205	152				
			BHP	0.01	0.01	0.02	0.02	0.02	0.02	0.01				
			Sones	4.0	3.7	3.4	3.3	3.1	2.8	2.4				
CUE-070-D	1/30	1550	CFM	369	351	333	325	316	293	269	234	187	160	
			BHP	0.02	0.02	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.02	0.02
			Sones	5.5	5.4	5.2	5.1	5.1	4.9	4.7	4.4	4.1	3.9	
CUE-075-E	1/80	1050	CFM	287	249	210	188	165						
			BHP	0.01	0.01	0.01	0.01	0.01						
			Sones	3.4	3.0	2.8	2.7	2.6						
CUE-075-G	1/50	1300	CFM	356	324	294	279	262	227	185				
			BHP	0.02	0.02	0.02	0.02	0.02	0.02	0.02				
			Sones	4.0	3.8	3.7	3.7	3.7	3.6	3.4				
CUE-075-D	1/25	1550	CFM	424	398	372	359	347	320	291	261	225	204	
			BHP	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	
			Sones	6.0	5.7	5.4	5.3	5.1	5.0	4.9	4.8	4.8	4.8	

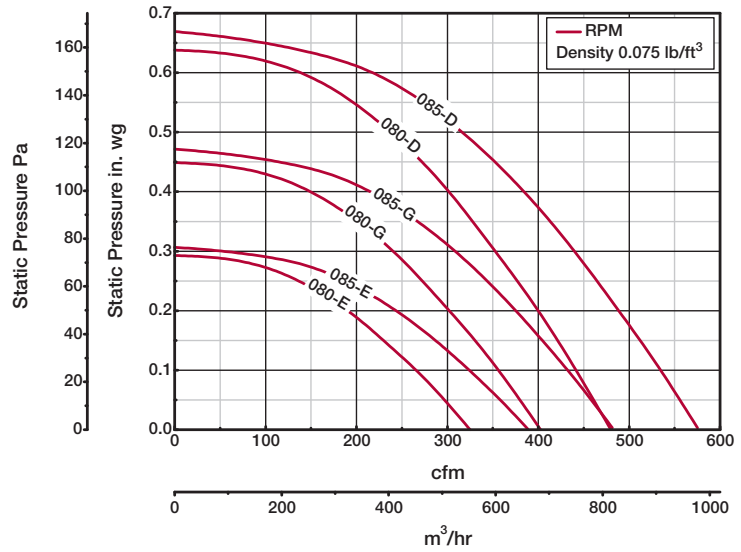
Performance certified is for installation type A: Free inlet, Free outlet. Performance ratings do not include the effects of appurtenances (accessories). The sound ratings shown are loudness values in fan sones at 5 ft. (1.5 m) in a hemispherical free field calculated per AMCA Standard 301. Values shown are for installation type A: Free inlet fan sone levels. The AMCA Certified Ratings Seal applies to sone ratings only.

CUE-080 and 085 - Direct Drive



Damper Size = 10 x 10 (254 x 254)
 Roof Opening = 12 1/2 x 12 1/2 (318 x 318)
 ^Approximate Unit Weight = 40 lb. (18 kg)

All dimensions in inches (millimeters).
 ^Weight shown is largest cataloged Open Drip-Proof motor.



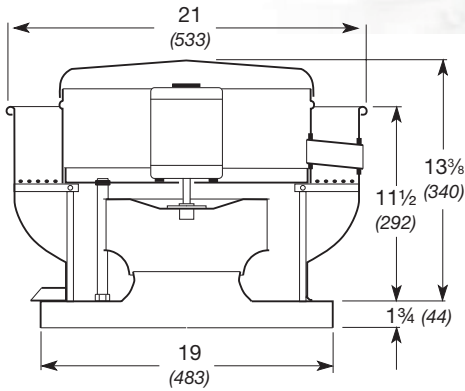
Model Number	Motor HP	Fan RPM		CFM / Static Pressure in Inches wg										
				0	0.1	0.125	0.15	0.2	0.25	0.3	0.375	0.5	0.625	
CUE-080-E	1/40	1050	CFM	325	265	247	230	189	133					
			BHP	0.01	0.01	0.02	0.02	0.02	0.02					
			Sones	3.8	3.7	3.6	3.7	3.9	4.2					
CUE-080-G	1/30	1300	CFM	403	356	343	330	302	272	239	173			
			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			
CUE-080-D	1/20	1550	CFM	480	441	431	421	400	376	352	314	235		
			BHP	0.04	0.04	0.04	0.04	0.05	0.05	0.05	0.05	0.05		
			Sones	7.3	7.3	7.3	7.3	7.3	7.2	7.3	7.3	7.6		
CUE-085-E	1/40	1050	CFM	389	323	305	286	242	182					
			BHP	0.01	0.02	0.02	0.02	0.02	0.02					
			Sones	4.0	3.9	3.9	3.9	4.1	4.3					
CUE-085-G	1/30	1300	CFM	481	430	416	402	373	340	305	235			
			BHP	0.02	0.03	0.03	0.03	0.03	0.03	0.04	0.04			
			Sones	5.4	5.3	5.3	5.3	5.3	5.3	5.4	5.5			
CUE-085-D	1/20	1550	CFM	574	532	520	509	486	461	437	395	312	161	
			BHP	0.04	0.04	0.05	0.05	0.05	0.05	0.06	0.06	0.06	0.05	
			Sones	7.5	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.6	8.1	

Performance certified is for installation type A: Free inlet, Free outlet. Performance ratings do not include the effects of appurtenances (accessories). The sound ratings shown are loudness values in fan 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 fan sone levels. The AMCA Certified Ratings Seal applies to sone ratings only.

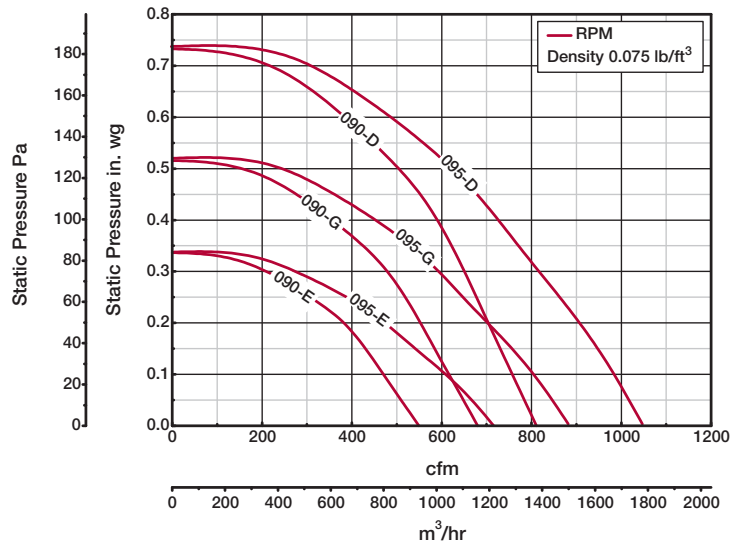
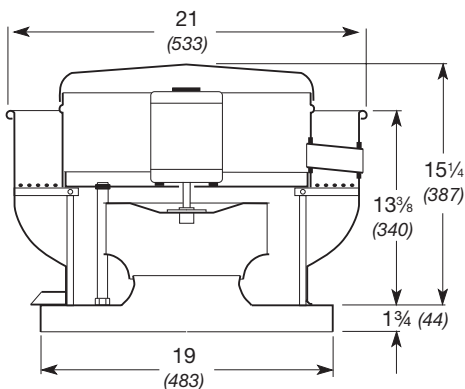
CUE-090 and 095 - Direct Drive



MODEL CUE-090



MODEL CUE-095



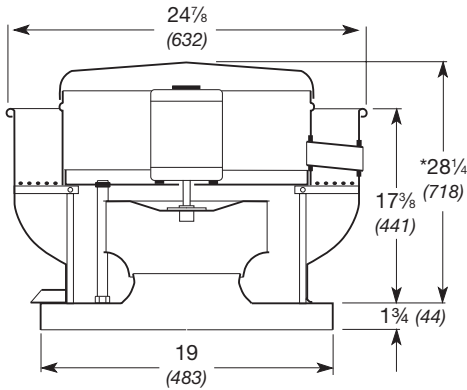
Damper Size = 10 x 10 (254 x 254)
 Roof Opening = 12½ x 12½ (318 x 318)
 ^Approximate Unit Weight = 40 lb. (18 kg)

All dimensions in inches (millimeters).
 ^Weight shown is largest cataloged Open Drip-Proof motor.

Model Number	Motor HP	Fan RPM		CFM / Static Pressure in Inches wg									
				0	0.1	0.125	0.15	0.2	0.25	0.3	0.375	0.5	0.625
CUE-090-E	1/40	1050	CFM	549	470	451	429	381	306	204			
			BHP	0.02	0.02	0.02	0.03	0.03	0.03	0.03			
			Sones	4.1	3.9	3.9	3.9	4.0	4.2	4.5			
CUE-090-G	1/25	1300	CFM	680	616	600	584	553	517	479	391		
			BHP	0.04	0.04	0.04	0.04	0.05	0.05	0.05	0.05		
			Sones	5.5	5.4	5.4	5.4	5.4	5.4	5.5	5.6		
CUE-090-D	1/15	1550	CFM	811	757	744	731	704	677	651	604	501	347
			BHP	0.06	0.07	0.07	0.07	0.07	0.08	0.08	0.08	0.09	0.08
			Sones	7.8	7.6	7.6	7.5	7.5	7.5	7.5	7.4	7.4	7.8
CUE-095-E	1/30	1050	CFM	711	603	570	536	468	381	265			
			BHP	0.03	0.04	0.04	0.04	0.04	0.04	0.03			
			Sones	5.3	4.5	4.5	4.5	4.4	4.5	4.6			
CUE-095-G	1/12	1300	CFM	880	797	774	750	696	641	587	484	199	
			BHP	0.06	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.05	
			Sones	7.5	6.8	6.7	6.6	6.5	6.4	6.4	6.4	6.8	
CUE-095-D	1/8	1550	CFM	1049	983	964	944	905	861	816	747	616	442
			BHP	0.10	0.11	0.11	0.11	0.11	0.12	0.12	0.12	0.12	0.11
			Sones	9.6	9.3	9.3	9.2	8.8	8.5	8.4	8.3	8.1	7.8

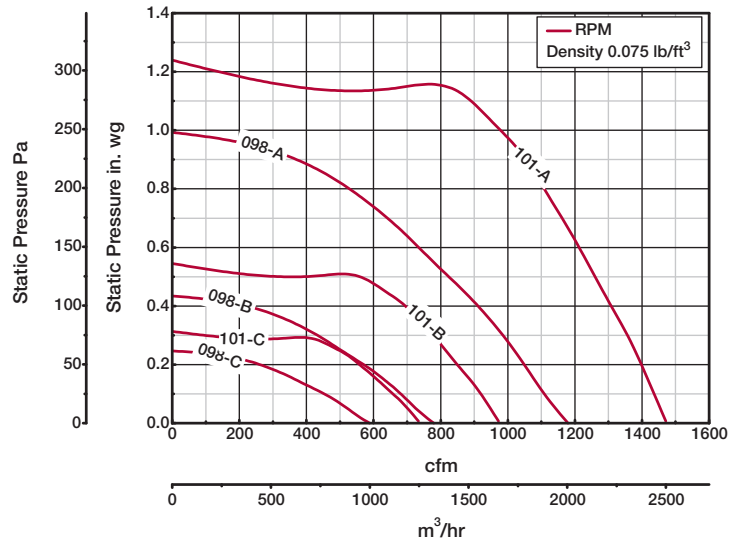
Performance certified for installation type A: Free inlet, Free outlet. Performance ratings do not include the effects of appurtenances (accessories). The sound ratings shown are loudness values in fan sones at 5 ft. (1.5 m) in a hemispherical free field calculated per AMCA Standard 301. Values shown are for installation type A: Free inlet fan sone levels. The AMCA Certified Ratings Seal applies to sone ratings only.

CUE-098 and 101 - Direct Drive



Damper Size = 12 x 12 (305 x 305)
 Roof Opening = 14 1/2 x 14 1/2 (368 x 368)
 ^Approximate Unit Weight = 53 lb. (24 kg)

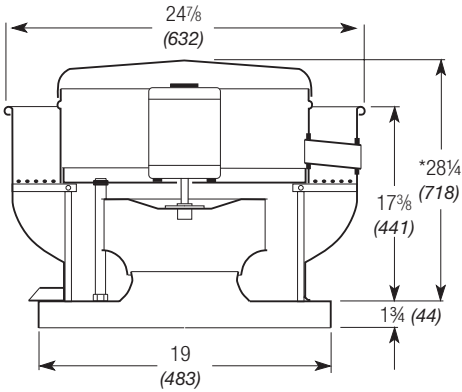
All dimensions in inches (millimeters).
 ^Weight shown is largest cataloged Open Drip-Proof motor.



Model Number	Motor HP	Fan RPM		CFM / Static Pressure in Inches wg												
				0	0.1	0.125	0.25	0.3	0.375	0.5	0.625	0.75	1			
CUE-098-C	1/8	860	CFM	588	453	409	MAXIMUM MOTOR FRAME SIZE = 56									
			BHP	0.02	0.02	0.02										
			Sones	8.4	8.5	8.7										
CUE-098-B	1/6	1140	CFM	780	682	656	502	431	294							
			BHP	0.05	0.05	0.06	0.06	0.06	0.06							
			Sones	9.1	8.7	8.7	8.3	8.1	7.9							
CUE-098-A	1/4	1725	CFM	1180	1109	1094	1017	984	929	824	712	586				
			BHP	0.18	0.18	0.18	0.18	0.19	0.20	0.20	0.20	0.20				
			Sones	13.8	13.5	13.4	13.0	12.9	12.7	12.2	12.1	12.3				
CUE-101-C	1/8	860	CFM	732	649	625	481									
			BHP	0.03	0.03	0.04	0.04									
			Sones	4.6	8.5	11.7	11.1									
CUE-101-B	1/6	1140	CFM	970	913	897	806	768	707							
			BHP	0.07	0.08	0.08	0.08	0.09	0.09							
			Sones	7.2	7.0	7.0	6.5	6.2	6.0							
CUE-101-A	1/4	1725	CFM	1468	1431	1422	1373	1350	1315	1255	1195	1129	970			
			BHP	0.24	0.25	0.26	0.27	0.27	0.28	0.29	0.29	0.29	0.29			
			Sones	13.3	12.9	12.9	12.5	12.3	12.0	11.7	11.3	10.8	9.7			

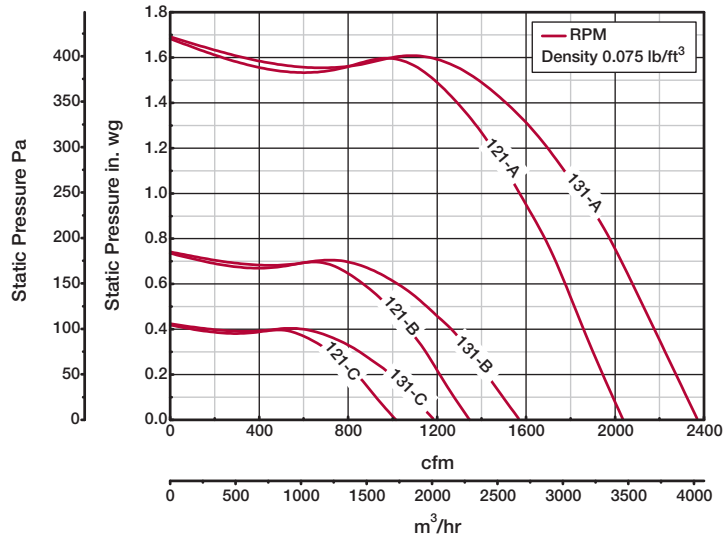
Performance certified is for installation type A: Free inlet, Free outlet. Performance ratings do not include the effects of appurtenances (accessories). The sound ratings shown are loudness values in fan sones at 5 ft. (1.5 m) in a hemispherical free field calculated per AMCA Standard 301. Values shown are for installation type A: Free inlet fan sone levels. The AMCA Certified Ratings Seal applies to sone ratings only.

CUE-121 and 131 - Direct Drive



Damper Size = 12 x 12 (305 x 305)
 Roof Opening = 14 1/2 x 14 1/2 (368 x 368)
 ^Approximate Unit Weight = 64 lb. (29 kg)

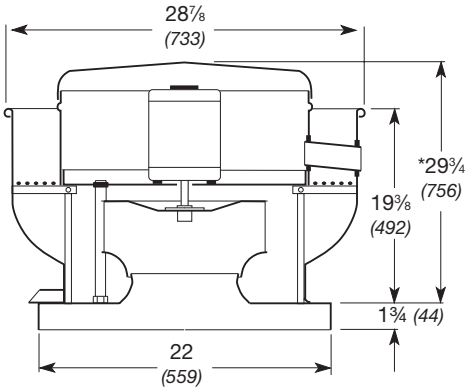
All dimensions in inches (millimeters).
 *May be greater depending on motor.
 ^Weight shown is largest cataloged Open Drip-Proof motor.



Model Number	Motor HP	Fan RPM		CFM / Static Pressure in Inches wg										
				0	0.125	0.25	0.375	0.5	0.625	0.75	1	1.25	1.5	
CUE-121-C	1/8	860	CFM	1015	905	781	581	MAXIMUM MOTOR FRAME SIZE = 56						
			BHP	0.05	0.05	0.06	0.06							
			Sones	5.3	5.7	5.6	5.7							
CUE-121-B	1/6	1140	CFM	1346	1261	1180	1091	981	833					
			BHP	0.11	0.12	0.13	0.13	0.14	0.14					
			Sones	7.4	7.9	8.2	8.2	8.0	8.1					
CUE-121-A	1/2	1725	CFM	2037	1979	1923	1869	1816	1763	1710	1571	1406	1176	
			BHP	0.39	0.40	0.41	0.43	0.44	0.45	0.46	0.47	0.48	0.46	
			Sones	15.6	16.1	16.7	17.3	17.9	18.2	18.4	18.7	18.6	18.4	
CUE-131-C	1/8	860	CFM	1180	1057	914	675							
			BHP	0.06	0.07	0.07	0.07							
			Sones	8.5	8.3	7.7	6.9							
CUE-131-B	1/6	1140	CFM	1564	1471	1379	1280	1144	964					
			BHP	0.14	0.15	0.16	0.17	0.17	0.17					
			Sones	12.5	12.2	11.8	11.2	10.3	9.7					
CUE-131-A	3/4	1725	CFM	2366	2305	2244	2183	2122	2061	1994	1838	1646	1365	
			BHP	0.50	0.51	0.53	0.54	0.56	0.57	0.58	0.60	0.60	0.57	
			Sones	18.8	18.6	18.4	18.2	18.0	17.6	17.2	16.4	15.3	14.1	

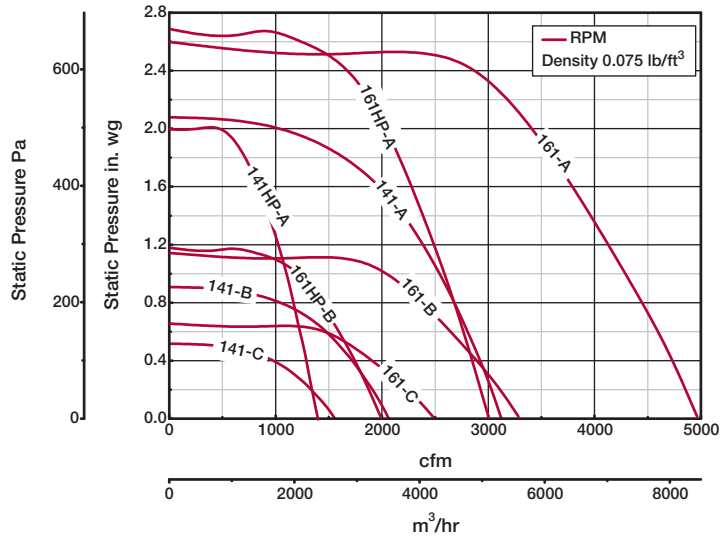
Performance certified is for installation type A: Free inlet, Free outlet. Performance ratings do not include the effects of appurtenances (accessories). The sound ratings shown are loudness values in fan sones at 5 ft. (1.5 m) in a hemispherical free field calculated per AMCA Standard 301. Values shown are for installation type A: Free inlet fan sone levels. The AMCA Certified Ratings Seal applies to sone ratings only.

CUE-141, 141HP, 161 and 161HP - Direct Drive



Damper Size = 16 x 16 (406 x 406)
 Roof Opening = 18½ x 18½ (470 x 470)
 ^Approximate Unit Weight = 90 lb. (41 kg)

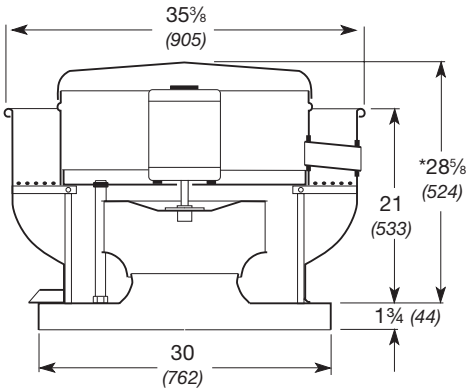
All dimensions in inches (millimeters).
 ^Weight shown is largest cataloged Open Drip-Proof motor.



Model Number	Motor HP	Fan RPM		CFM / Static Pressure in Inches wg												
				0	0.25	0.5	0.75	1	1.25	1.5	1.75	2	2.25			
CUE-141-C	1/8	860	CFM	1558	1264											
			BHP	0.11	0.12											
			Sones	7.3	7.1											
CUE-141-B	1/4	1140	CFM	2065	1864	1605	1167									
			BHP	0.25	0.27	0.29	0.27									
			Sones	11.3	11.0	10.3	10.0									
CUE-141-A	1	1725	CFM	3125	3005	2865	2711	2539	2339	2085	1704					
			BHP	0.87	0.90	0.94	0.97	0.99	1.00	0.98	0.91					
			Sones	26	22	24	15.1	13.4	14.3	13.8	13.8					
CUE-141HP-A	1/2	1725	CFM	1394	1324	1256	1178	1098	999	879	747					
			BHP	0.34	0.36	0.38	0.40	0.42	0.43	0.43	0.42					
			Sones	16.6	16.3	16.1	15.4	15.0	14.9	14.7	15.7					
CUE-161-C	1/4	860	CFM	2472	2126	1680										
			BHP	0.22	0.25	0.24										
			Sones	10.7	9.9	9.5										
CUE-161-B	1/2	1140	CFM	3277	3035	2745	2421	1983								
			BHP	0.51	0.57	0.58	0.57	0.55								
			Sones	15.7	14.8	14.1	13.5	13.2								
CUE-161-A	2	1725	CFM	4959	4806	4646	4463	4269	4070	3855	3631	3381	3057			
			BHP	1.77	1.88	1.97	1.98	2.00	2.01	1.99	1.97	1.96	1.92			
			Sones	30	29	28	27	27	27	26	26	25	25			
CUE-161HP-B	1/3	1140	CFM	1976	1822	1645	1444	1175								
			BHP	0.26	0.28	0.31	0.32	0.32								
			Sones	13.5	12.8	12.5	11.9	11.1								
CUE-161HP-A	1½	1725	CFM	2990	2888	2787	2680	2560	2439	2310	2167	2003	1810			
			BHP	0.89	0.93	0.97	1.01	1.04	1.07	1.10	1.11	1.12	1.11			
			Sones	24	23	22	22	21	20	20	19.6	18.3	16.6			

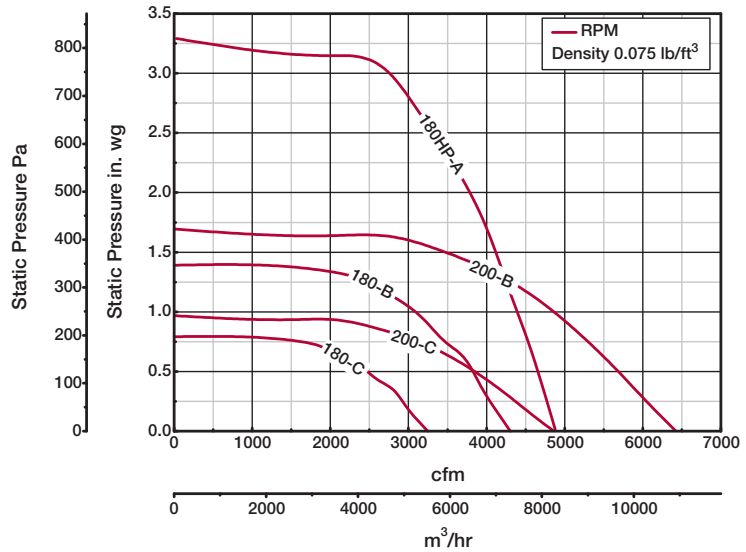
Performance certified is for installation type A: Free inlet, Free outlet. Performance ratings do not include the effects of appurtenances (accessories). The sound ratings shown are loudness values in fan sones at 5 ft. (1.5 m) in a hemispherical free field calculated per AMCA Standard 301. Values shown are for installation type A: Free inlet fan sone levels. The AMCA Certified Ratings Seal applies to sone ratings only.

CUE-180, 180HP and 200 - Direct Drive



Damper Size = 18 x 18 (457 x 457)
 Roof Opening = 20½ x 20½ (521 x 521)
 ^Approximate Unit Weight = 142 lb. (64 kg)

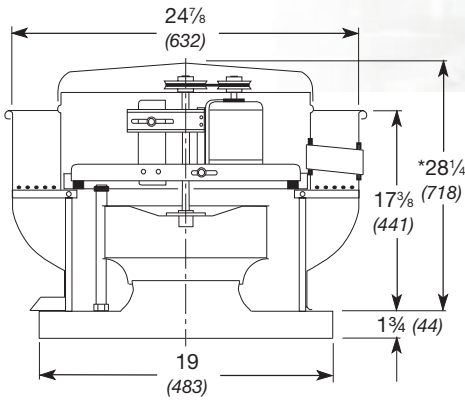
All dimensions in inches (millimeters).
 ^Weight shown is largest cataloged Open Drip-Proof motor.



Model Number	Motor HP	Fan RPM		CFM / Static Pressure in Inches wg										
				0	0.25	0.5	0.75	1	1.25	1.5	2	2.5	3	
CUE-180-C	1/2	860	CFM	3249	2922	2474	MAXIMUM MOTOR FRAME SIZE = 184T							
			BHP	0.34	0.39	0.40								
			Sones	12.3	11.1	10.2								
CUE-180-B	1	1140	CFM	4307	4045	3822	3470	3072	2477					
			BHP	0.80	0.86	0.91	0.93	0.92	0.85					
			Sones	17.6	16.5	16.1	15.4	14.6	13.6					
CUE-180HP-A	2	1725	CFM	4850	4732	4613	4493	4353	4215	4078	3740	3265	2695	
			BHP	1.77	1.84	1.92	1.99	2.06	2.12	2.18	2.23	2.25	2.16	
			Sones	30	29	28	27	26	26	25	24	23	21	
CUE-200-C	3/4	860	CFM	4837	4346	3815	3084							
			BHP	0.71	0.74	0.75	0.73							
			Sones	15.7	14.6	12.9	11.9							
CUE-200-B	2	1140	CFM	6412	6036	5674	5283	4837	4276	3445				
			BHP	1.65	1.70	1.74	1.74	1.74	1.73	1.63				
			Sones	24	23	22	21	20	19.2	19.9				

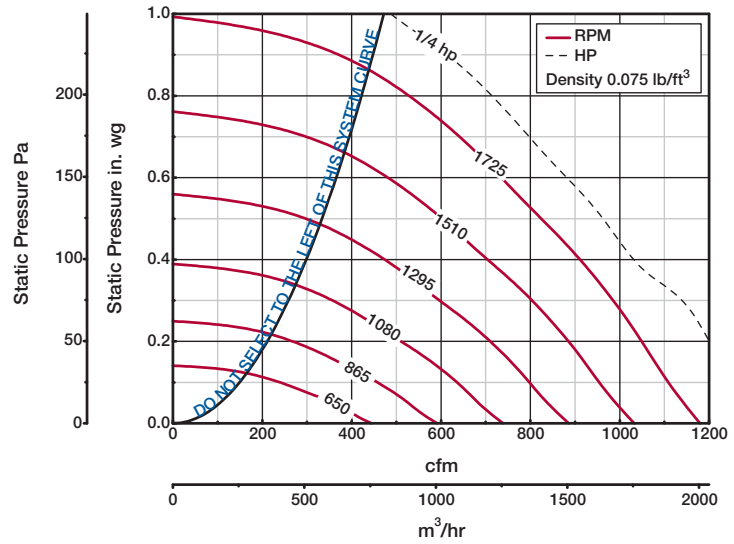
Performance certified is for installation type A: Free inlet, Free outlet. Performance ratings do not include the effects of appurtenances (accessories). The sound ratings shown are loudness values in fan sones at 5 ft. (1.5 m) in a hemispherical free field calculated per AMCA Standard 301. Values shown are for installation type A: Free inlet fan sone levels. The AMCA Certified Ratings Seal applies to sone ratings only.

CUBE-098 - Belt Drive



Damper Size = 12 x 12 (305 x 305)
 Roof Opening = 14 1/2 x 14 1/2 (368 x 368)
 Windband Thickness = 0.051 (1.3)
 Motor Cover Thickness = 0.040 (1.0)
 Curb Cap Thickness = 0.064 (1.6)
 ^Approximate Unit Weight = 58 lb. (26 kg)

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

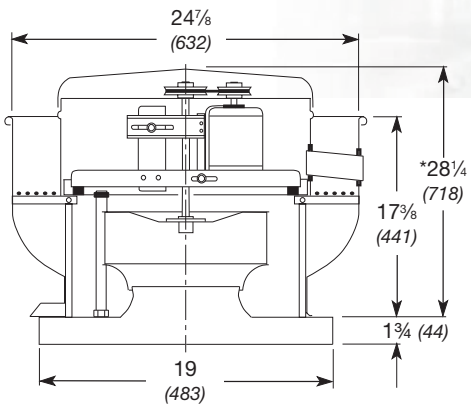


Model Number	Motor HP	Fan RPM		CFM / Static Pressure in Inches wg																						
				0	0.05	0.1	0.125	0.2	0.25	0.375	0.5	0.625	0.75													
CUBE-098-4	1/4	650	CFM	445	357	239																				
			BHP	0.01	0.01	0.01																				
			Sones	8.1	8.5	9.9																				
		755	CFM	516	442	352	301																			
			BHP	0.02	0.02	0.02	0.02																			
			Sones	8.3	8.4	8.9	9.3																			
		860	CFM	588	523	453	409	258																		
			BHP	0.02	0.02	0.02	0.02	0.02																		
			Sones	8.4	8.4	8.5	8.7	9.1																		
		965	CFM	660	600	543	509	392	294																	
			BHP	0.03	0.03	0.03	0.04	0.04	0.04																	
			Sones	8.7	8.6	8.6	8.5	8.6	8.6																	
		1070	CFM	732	677	627	600	500	428																	
			BHP	0.04	0.04	0.04	0.05	0.05	0.05																	
			Sones	8.9	8.8	8.6	8.6	8.4	8.4																	
		1175	CFM	804	752	708	684	603	537	350																
			BHP	0.06	0.06	0.06	0.06	0.06	0.06	0.06																
			Sones	9.3	9.2	9.0	8.9	8.7	8.6	8.2																
		1280	CFM	875	828	787	766	696	642	488																
			BHP	0.07	0.07	0.07	0.07	0.08	0.08	0.08																
			Sones	10.2	10.1	9.9	9.8	9.7	9.5	9.3																
		1385	CFM	947	903	864	845	785	738	603	448															
			BHP	0.09	0.09	0.09	0.09	0.10	0.10	0.10	0.10															
			Sones	11.2	11.1	10.9	10.8	10.7	10.6	10.4	10.3															
1490	CFM	1019	978	940	923	868	829	710	578	409																
	BHP	0.12	0.12	0.12	0.12	0.12	0.13	0.13	0.13	0.13																
	Sones	12.3	12.2	11.9	12.0	11.8	11.8	11.5	11.5	11.6																
1595	CFM	1091	1053	1016	1000	950	914	813	692	560																
	BHP	0.14	0.14	0.14	0.14	0.14	0.15	0.16	0.16	0.16																
	Sones	13.2	13.1	12.8	12.8	12.5	12.5	12.3	12.1	12.2																
1725	CFM	1180	1144	1109	1094	1049	1017	929	824	712	586															
	BHP	0.18	0.18	0.18	0.18	0.18	0.18	0.20	0.20	0.20	0.20															
	Sones	13.8	13.6	13.5	13.4	13.1	13.0	12.7	12.2	12.1	12.3															

MAXIMUM BHP AT A GIVEN RPM = (RPM/3099)³
 MAXIMUM RPM = 1725
 TIP SPEED (ft/min.) = RPM x 2.846
 MAXIMUM MOTOR FRAME SIZE = 56
 AVERAGE DISCHARGE VELOCITY (FPM) = CFM/1.28

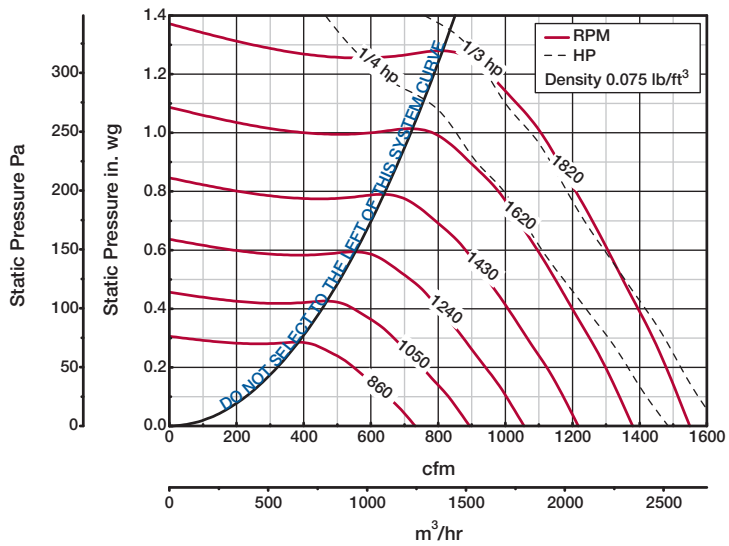
Performance certified is for installation type A: Free inlet, Free outlet. Power rating (BHP) does not include transmission losses. Performance ratings do not include the effects of appurtenances (accessories). The sound ratings shown are loudness values in fan sones at 5 ft. (1.5 m) in a hemispherical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

CUBE-101 - Belt Drive



- Damper Size = 12 x 12 (305 x 305)
- Roof Opening = 14 1/2 x 14 1/2 (368 x 368)
- Windband Thickness = 0.051 (1.3)
- Motor Cover Thickness = 0.040 (1.0)
- Curb Cap Thickness = 0.064 (1.6)
- ^Approximate Unit Weight = 58 lb. (26 kg)

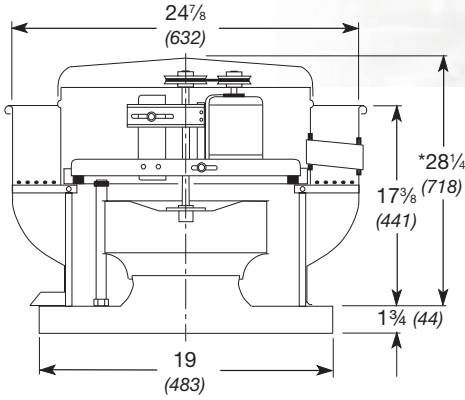
All dimensions in inches (millimeters).
 *May be greater depending on motor.
 ^Weight shown is largest cataloged Open Drip-Proof motor.



Model Number	Motor HP	Fan RPM		CFM / Static Pressure in Inches wg																
				0	0.125	0.25	0.375	0.5	0.625	0.75	0.875	1	1.25							
CUBE-101-4	1/4	860	CFM	732	625	481														
			BHP	0.03	0.04	0.04														
			Sones	4.6	2.4	0.6														
		958	CFM	815	722	609														
			BHP	0.04	0.05	0.05														
			Sones	5.5	4.5	3.3														
		1056	CFM	899	817	718	593													
			BHP	0.06	0.06	0.07	0.07													
			Sones	6.6	6.3	5.7	5.4													
		1154	CFM	982	910	821	724	574												
			BHP	0.07	0.08	0.09	0.09	0.08												
			Sones	7.3	7.1	6.6	6.1	5.8												
		1252	CFM	1066	1000	920	834	732												
			BHP	0.09	0.10	0.11	0.11	0.11												
			Sones	8.0	8.0	7.6	6.9	6.5												
		1350	CFM	1149	1089	1016	940	856	745											
			BHP	0.12	0.13	0.13	0.14	0.14	0.14											
			Sones	8.9	8.9	8.6	8.1	7.5	7.0											
1448	CFM	1233	1176	1112	1040	966	886	763												
	BHP	0.14	0.15	0.16	0.17	0.17	0.17	0.17												
	Sones	10.3	10.2	9.9	9.5	9.0	8.3	8.0												
1546	CFM	1316	1264	1206	1139	1072	999	915	820											
	BHP	0.17	0.19	0.20	0.20	0.21	0.21	0.21	0.21											
	Sones	11.8	11.5	11.3	10.9	10.5	9.8	9.3	9.0											
1660	CFM	1413	1365	1313	1251	1189	1125	1056	974	861										
	BHP	0.22	0.23	0.24	0.25	0.26	0.26	0.26	0.26	0.25										
	Sones	12.7	12.3	12.0	11.6	11.3	10.8	10.2	9.6	9.4										
CUBE-101-3	1/3	1740	CFM	1481	1435	1386	1329	1270	1210	1146	1093	991								
			BHP	0.25	0.26	0.27	0.28	0.29	0.30	0.30	0.30	0.30								
			Sones	13.4	13.0	12.6	12.1	11.8	11.4	10.9	10.5	9.7								
		1820	CFM	1549	1505	1459	1406	1350	1293	1234	1184	1106	900							
			BHP	0.28	0.30	0.31	0.32	0.33	0.34	0.35	0.35	0.35	0.33							
			Sones	14.3	13.7	13.4	12.7	12.4	12.0	11.6	11.3	10.6	10.1							

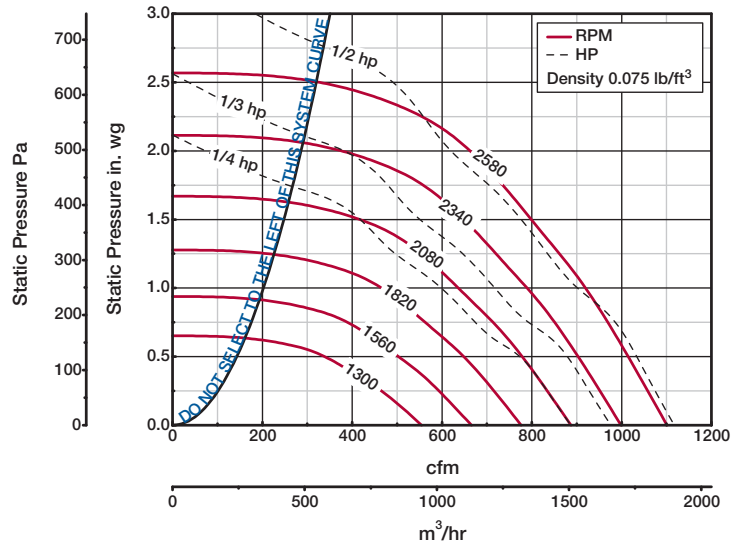
Performance certified is for installation type A: Free inlet, Free outlet. Power rating (BHP) does not include transmission losses. Performance ratings do not include the effects of appurtenances (accessories). The sound ratings shown are loudness values in fan sones at 5 ft. (1.5 m) in a hemispherical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

CUBE-101HP - Belt Drive



Damper Size = 12 x 12 (305 x 305)
 Roof Opening = 14 1/2 x 14 1/2 (368 x 368)
 Windband Thickness = 0.051 (1.3)
 Motor Cover Thickness = 0.040 (1.0)
 Curb Cap Thickness = 0.064 (1.6)
 ^Approximate Unit Weight = 58 lb. (26 kg)

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

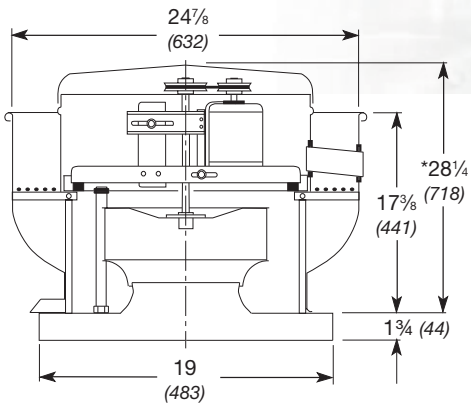


Model Number	Motor HP	Fan RPM	CFM / Static Pressure in Inches wg																			
			0.5	0.625	0.75	1	1.25	1.5	1.75	2	2.25	2.5										
CUBE-101HP-4	1/4	1300	CFM	335	182																	
			BHP	0.07	0.06																	
			Sones	6.0	6.3																	
		1420	CFM	419	350	191																
			BHP	0.09	0.09	0.07																
			Sones	6.8	6.6	6.9																
	1540	CFM	491	438	371																	
		BHP	0.11	0.11	0.11																	
		Sones	7.8	7.5	7.3																	
	1660	1/4	1660	CFM	560	512	461	262														
				BHP	0.14	0.14	0.14	0.12														
				Sones	8.9	8.6	8.4	8.3														
1780		1780	CFM	627	583	538	430															
			BHP	0.17	0.17	0.17	0.17															
			Sones	10.3	9.9	9.6	9.1															
1900	1900	CFM	688	651	610	520	382															
		BHP	0.20	0.21	0.21	0.21	0.19															
		Sones	12.1	11.4	11.0	10.5	10.2															
2045	2045	CFM	761	729	693	615	522	346														
		BHP	0.24	0.26	0.26	0.26	0.26	0.23														
		Sones	13.9	13.5	12.7	12.1	11.5	11.4														
CUBE-101HP-3	1/3	2150	CFM	812	782	752	678	600	500													
			BHP	0.28	0.29	0.30	0.30	0.30	0.30													
			Sones	14.1	14.1	13.5	12.5	12.0	11.5													
		2250	2250	CFM	860	832	804	737	665	579	456											
				BHP	0.32	0.33	0.34	0.35	0.35	0.35	0.32											
				Sones	14.4	14.4	14.2	13.2	12.5	11.9	11.6											
CUBE-101HP-5	1/2	2415	CFM	938	914	887	831	765	697	614	498											
			BHP	0.39	0.39	0.41	0.43	0.43	0.43	0.43	0.40											
			Sones	15.1	15.0	15.0	14.5	13.7	12.9	12.2	12.0											
		2580	2580	CFM	1014	992	969	919	861	799	735	655	550	323								
				BHP	0.48	0.48	0.49	0.52	0.53	0.53	0.53	0.53	0.49	0.43								
				Sones	16.8	16.4	16.0	15.7	15.1	14.4	13.7	13.2	12.9	12.5								

MAXIMUM BHP AT A GIVEN RPM = (RPM/3195)³
 MAXIMUM RPM = 2580
 TIP SPEED (ft/min.) = RPM x 2.913
 MAXIMUM MOTOR FRAME SIZE = 56
 AVERAGE DISCHARGE VELOCITY (FPM) = CFM/1.28

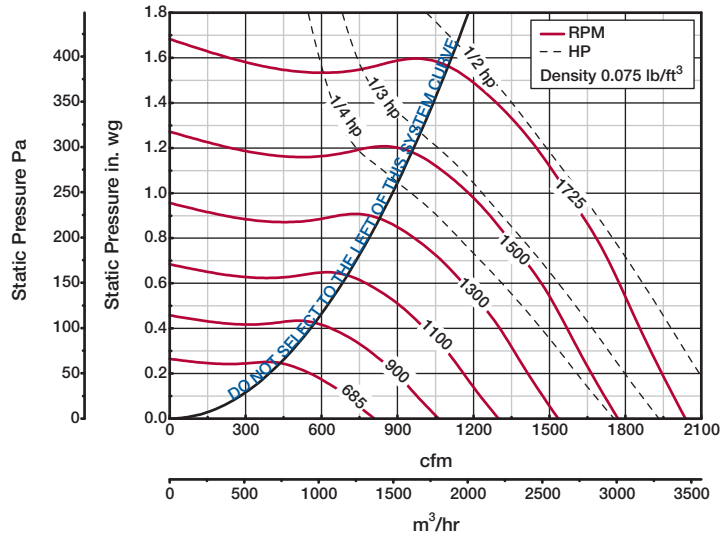
Performance certified is for installation type A: Free inlet, Free outlet. Power rating (BHP) does not include transmission losses. Performance ratings do not include the effects of appurtenances (accessories). The sound ratings shown are loudness values in fan sones at 5 ft. (1.5 m) in a hemispherical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

CUBE-121 - Belt Drive



Damper Size = 12 x 12 (305 x 305)
 Roof Opening = 14 1/2 x 14 1/2 (368 x 368)
 Windband Thickness = 0.051 (1.3)
 Motor Cover Thickness = 0.040 (1.0)
 Curb Cap Thickness = 0.064 (1.6)
 ^Approximate Unit Weight = 66 lb. (30 kg)

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

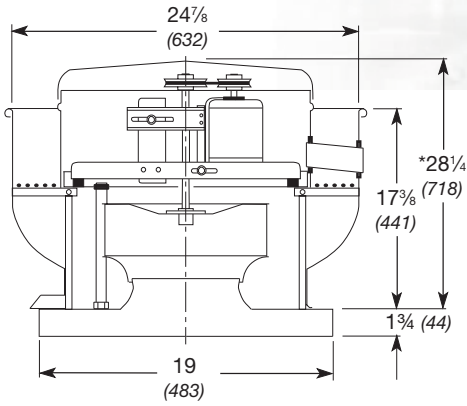


Model Number	Motor HP	Fan RPM	CFM / Static Pressure in Inches wg																				
			0	0.125	0.25	0.375	0.5	0.625	0.75	1	1.25	1.5											
CUBE-121-4	1/4	685	CFM	809	670																		
			BHP	0.02	0.03																		
			Sones	4.4	4.4																		
		798	CFM	942	824	680																	
			BHP	0.04	0.04	0.05																	
			Sones	5.0	5.2	5.2																	
	911	CFM	1076	971	861	703																	
		BHP	0.06	0.06	0.07	0.07																	
		Sones	5.6	6.0	6.0	6.0																	
		1024	CFM	1209	1115	1025	910	755															
			BHP	0.08	0.09	0.10	0.10	0.10															
			Sones	6.4	6.8	7.0	6.9	6.9															
1137	CFM	1343	1257	1176	1087	976	825																
	BHP	0.11	0.12	0.13	0.13	0.14	0.13																
	Sones	7.3	7.8	8.1	8.2	8.0	8.1																
1250	CFM	1476	1397	1323	1250	1159	1053	916															
	BHP	0.15	0.16	0.17	0.17	0.18	0.18	0.18															
	Sones	8.8	9.3	9.9	9.9	10.0	9.8	9.8															
1410	CFM	1665	1595	1528	1463	1398	1315	1224	965														
	BHP	0.21	0.22	0.23	0.24	0.25	0.26	0.26	0.25														
	Sones	11.1	11.6	12.2	12.5	12.6	12.7	12.7	12.3														
CUBE-121-3	1/3	1480	CFM	1748	1681	1617	1555	1493	1421	1338	1132												
			BHP	0.25	0.26	0.27	0.28	0.29	0.29	0.30	0.30												
			Sones	11.9	12.4	13.1	13.5	13.7	13.8	13.8	13.6												
	1545	CFM	1824	1760	1699	1639	1580	1518	1441	1262	990												
		BHP	0.28	0.29	0.30	0.31	0.32	0.33	0.34	0.34	0.33												
		Sones	12.8	13.4	14.0	14.5	14.7	14.8	14.9	14.9	14.6												
CUBE-121-5	1/2	1635	CFM	1931	1870	1811	1755	1699	1643	1577	1424	1226											
			BHP	0.33	0.34	0.36	0.37	0.38	0.39	0.40	0.41	0.4											
			Sones	14.1	14.7	15.2	15.9	16.2	16.4	16.6	16.7	16.5											
	1725	CFM	2037	1979	1923	1869	1816	1763	1710	1571	1406	1176											
		BHP	0.39	0.40	0.41	0.43	0.44	0.45	0.46	0.47	0.48	0.46											
		Sones	15.6	16.1	16.7	17.3	17.9	18.2	18.4	18.7	18.6	18.4											

MAXIMUM BHP AT A GIVEN RPM = (RPM/2199)³
 MAXIMUM RPM = 1725
 TIP SPEED (ft/min.) = RPM x 3.419
 MAXIMUM MOTOR FRAME SIZE = 56
 AVERAGE DISCHARGE VELOCITY (FPM) = CFM/1.28

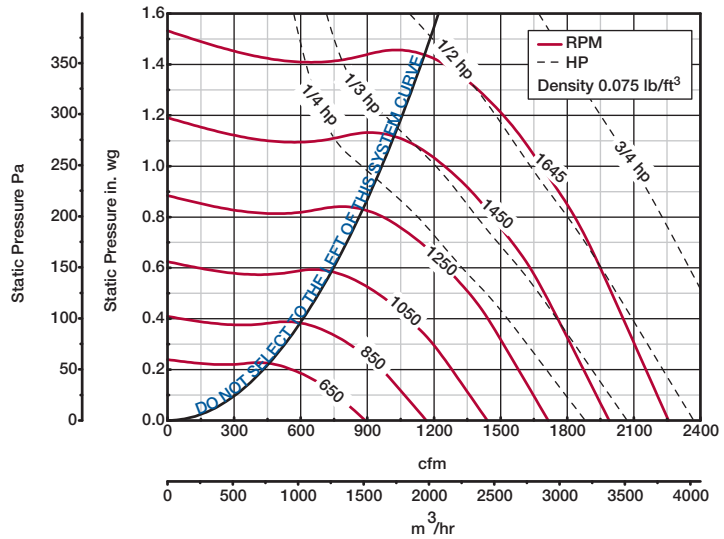
Performance certified is for installation type A: Free inlet, Free outlet. Power rating (BHP) does not include transmission losses. Performance ratings do not include the effects of appurtenances (accessories). The sound ratings shown are loudness values in fan sones at 5 ft. (1.5 m) in a hemispherical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

CUBE-131 - Belt Drive



Damper Size = 12 x 12 (305 x 305)
 Roof Opening = 14 1/2 x 14 1/2 (368 x 368)
 Windband Thickness = 0.051 (1.3)
 Motor Cover Thickness = 0.040 (1.0)
 Curb Cap Thickness = 0.064 (1.6)
 ^Approximate Unit Weight = 66 lb. (30 kg)

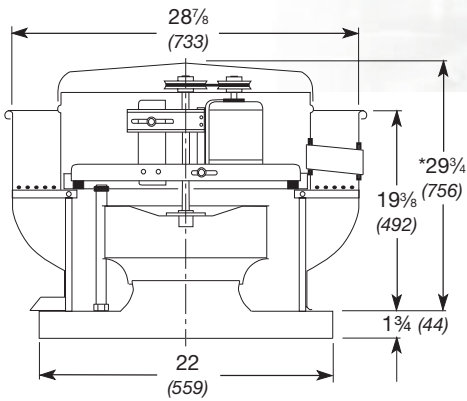
All dimensions in inches (millimeters).
 *May be greater depending on motor.
 ^Weight shown is largest cataloged Open Drip-Proof motor.



Model Number	Motor HP	Fan RPM	CFM / Static Pressure in Inches wg																			
			0	0.125	0.25	0.375	0.5	0.625	0.75	0.875	1	1.25										
CUBE-131-4	1/4	650	CFM	892	724																	
			BHP	0.03	0.03																	
			Sones	6.2	6.0																	
		780	CFM	1070	935	756																
			BHP	0.05	0.05	0.06																
			Sones	7.5	7.3	6.6																
	910	CFM	1248	1133	1007	819																
		BHP	0.07	0.08	0.09	0.09																
		Sones	9.3	9.1	8.5	7.7																
		1040	CFM	1426	1325	1222	1094	919														
			BHP	0.11	0.12	0.13	0.13	0.13														
			Sones	11.3	11.0	10.5	9.8	9.0														
1170	CFM	1605	1515	1425	1329	1204	1045															
	BHP	0.16	0.17	0.18	0.18	0.19	0.18															
	Sones	12.9	12.6	12.2	11.7	10.8	10.1															
1305	CFM	1790	1709	1629	1547	1458	1340	1201	1003													
	BHP	0.22	0.23	0.24	0.25	0.26	0.26	0.26	0.24													
	Sones	14.6	14.3	13.9	13.5	13.0	12.0	11.5	10.8													
CUBE-131-3	1/3	1435	CFM	1968	1895	1822	1749	1671	1586	1479	1358	1198										
			BHP	0.29	0.30	0.31	0.32	0.33	0.34	0.35	0.34	0.33										
			Sones	15.7	15.5	15.1	14.8	14.3	13.8	13.1	12.5	11.9										
CUBE-131-5	1/2	1487	CFM	2039	1969	1898	1828	1754	1677	1579	1471	1339										
			BHP	0.32	0.33	0.34	0.36	0.37	0.38	0.38	0.38	0.39	0.38									
			Sones	16.2	15.9	15.7	15.4	14.9	14.5	13.9	13.2	12.7										
		1540	CFM	2112	2044	1976	1908	1838	1764	1678	1577	1465										
			BHP	0.35	0.37	0.38	0.39	0.41	0.42	0.42	0.43	0.43										
			Sones	16.7	16.5	16.2	16.0	15.6	15.2	14.6	14.0	13.4										
	1592	CFM	2183	2117	2052	1986	1920	1848	1774	1678	1578	1301										
		BHP	0.39	0.41	0.42	0.43	0.44	0.46	0.47	0.47	0.47	0.45										
		Sones	17.3	17.0	16.8	16.6	16.2	15.8	15.3	14.8	14.3	13.0										
	1645	CFM	2256	2192	2128	2065	2001	1933	1864	1778	1684	1455										
		BHP	0.43	0.45	0.46	0.47	0.49	0.50	0.51	0.52	0.52	0.51										
		Sones	17.9	17.6	17.4	17.2	16.9	16.5	16.1	15.6	15.1	13.9										

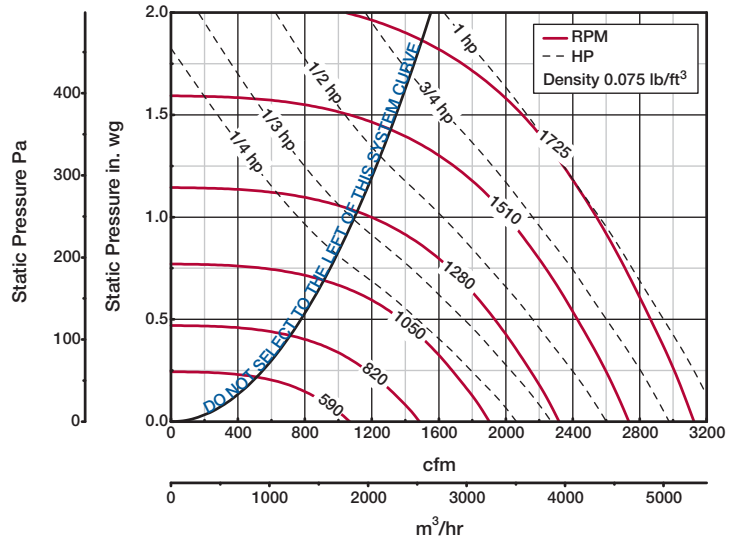
Performance certified is for installation type A: Free inlet, Free outlet. Power rating (BHP) does not include transmission losses. Performance ratings do not include the effects of appurtenances (accessories). The sound ratings shown are loudness values in fan sones at 5 ft. (1.5 m) in a hemispherical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

CUBE-141 - Belt Drive



Damper Size = 16 x 16 (406 x 406)
 Roof Opening = 18½ x 18½ (470 x 470)
 Windband Thickness = 0.051 (1.3)
 Motor Cover Thickness = 0.040 (1.0)
 Curb Cap Thickness = 0.064 (1.6)
 ^Approximate Unit Weight = 84 lb. (38 kg)

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

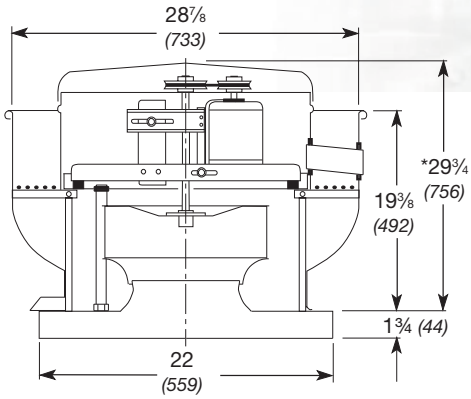


Model Number	Motor HP	Fan RPM	CFM / Static Pressure in Inches wg																			
			0	0.125	0.25	0.375	0.5	0.75	1	1.25	1.5	1.75										
CUBE-141-4	1/4	590	CFM	1069	851																	
			BHP	0.04	0.04																	
			Sones	5.0	4.5																	
		715	CFM	1295	1130	885																
			BHP	0.06	0.07	0.07																
			Sones	6.0	6.0	5.1																
	840	CFM	1521	1387	1217	969																
		BHP	0.10	0.11	0.11	0.11																
		Sones	7.1	7.3	6.8	6.2																
	965	CFM	1748	1635	1499	1333	1103															
		BHP	0.15	0.16	0.17	0.17	0.17															
		Sones	8.6	8.7	8.5	8.1	7.7															
1105	CFM	2001	1906	1793	1667	1515	998															
	BHP	0.23	0.24	0.25	0.26	0.26	0.23															
	Sones	10.9	10.8	10.6	10.3	10.0	9.6															
CUBE-141-3	1/3	1210	CFM	2192	2106	2006	1896	1773	1443													
			BHP	0.30	0.31	0.32	0.33	0.34	0.34													
			Sones	12.2	12.2	11.7	11.6	11.2	10.9													
CUBE-141-5	1/2	1290	CFM	2337	2258	2166	2065	1957	1691	1221												
			BHP	0.36	0.38	0.39	0.40	0.41	0.42	0.37												
			Sones	13.2	13.3	12.7	12.6	12.3	12.0	11.3												
		1390	CFM	2518	2445	2362	2271	2174	1949	1643												
			BHP	0.45	0.47	0.48	0.50	0.51	0.52	0.51												
			Sones	14.9	14.7	14.2	13.2	12.9	12.1	11.0												
CUBE-141-7	3/4	1495	CFM	2708	2640	2565	2483	2396	2202	1967	1617											
			BHP	0.56	0.58	0.6	0.61	0.62	0.64	0.65	0.61											
			Sones	17.2	16.5	16.3	15.6	13.9	12.5	12.2	10.8											
		1595	CFM	2889	2826	2757	2683	2602	2430	2225	1968	1568										
			BHP	0.69	0.70	0.72	0.74	0.75	0.77	0.79	0.78	0.72										
			Sones	20	19.0	18.5	19.5	16.1	13.3	12.3	12.6	11.6										
CUBE-141-10	1	1725	CFM	3125	3066	3005	2936	2865	2711	2539	2339	2085	1704									
			BHP	0.87	0.88	0.90	0.92	0.94	0.97	0.99	1.00	0.98	0.91									
			Sones	26	23	22	24	24	15.1	13.4	14.3	13.8	13.8									

MAXIMUM BHP AT A GIVEN RPM = (RPM/1726)³
 MAXIMUM RPM = 1725
 TIP SPEED (ft/min.) = RPM x 3.829
 MAXIMUM MOTOR FRAME SIZE = 145T
 AVERAGE DISCHARGE VELOCITY (FPM) = CFM/1.72

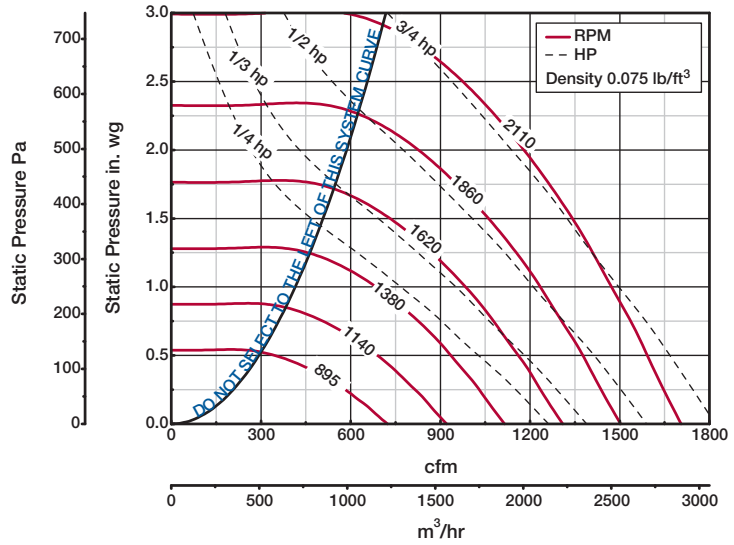
Performance certified is for installation type A: Free inlet, Free outlet. Power rating (BHP) does not include transmission losses. Performance ratings do not include the effects of appurtenances (accessories). The sound ratings shown are loudness values in fan sones at 5 ft. (1.5 m) in a hemispherical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

CUBE-141HP - Belt Drive



- Damper Size = 16 x 16 (406 x 406)
- Roof Opening = 18 1/2 x 18 1/2 (470 x 470)
- Windband Thickness = 0.051 (1.3)
- Motor Cover Thickness = 0.040 (1.0)
- Curb Cap Thickness = 0.064 (1.6)
- ^Approximate Unit Weight = 84 lb. (38 kg)

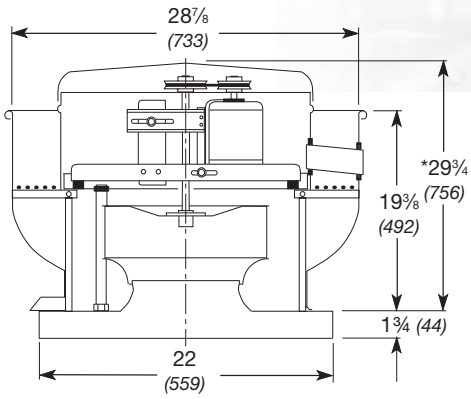
All dimensions in inches (millimeters).
 *May be greater depending on motor.
 ^Weight shown is largest cataloged Open Drip-Proof motor.



Model Number	Motor HP	Fan RPM	CFM / Static Pressure in Inches wg																			
			0.5	0.75	1	1.25	1.5	1.75	2	2.25	2.5	2.75										
CUBE-141HP-4	1/4	895	CFM	331																		
			BHP	0.06																		
			Sones	6.1																		
		1037	CFM	566																		
			BHP	0.10																		
			Sones	6.7																		
	1179	CFM	733	563																		
		BHP	0.13	0.14																		
		Sones	8.9	9.2																		
		1321	CFM	878	756	591																
			BHP	0.18	0.19	0.19																
			Sones	12.1	11.6	13.6																
1465	CFM	1016	920	798	642																	
	BHP	0.24	0.26	0.26	0.26																	
	Sones	14.2	13.5	13.2	15.5																	
CUBE-141HP-3	1/3	1605	CFM	1146	1063	965	846	704														
			BHP	0.31	0.33	0.34	0.34	0.34														
			Sones	15.2	14.4	14.2	14.0	15.2														
CUBE-141HP-5	1/2	1725	CFM	1256	1178	1098	999	879	747													
			BHP	0.38	0.40	0.42	0.43	0.43	0.42													
			Sones	16.1	15.4	15.0	14.9	14.7	15.7													
		1845	CFM	1363	1292	1219	1137	1042	924	800												
			BHP	0.46	0.48	0.50	0.52	0.52	0.52	0.51												
			Sones	17.0	16.6	16.2	16.0	15.9	15.6	16.1												
CUBE-141HP-7	3/4	1960	CFM	1463	1399	1330	1260	1176	1086	970	854											
			BHP	0.54	0.57	0.59	0.61	0.62	0.63	0.62	0.62											
			Sones	18.1	17.7	17.4	17.2	17.1	17.0	16.8	16.9											
		2035	CFM	1528	1468	1402	1335	1261	1175	1077	965	826										
			BHP	0.60	0.63	0.66	0.68	0.69	0.70	0.70	0.69	0.67										
			Sones	18.9	18.5	18.2	18.0	18.0	17.8	17.7	17.5	17.8										
		2110	CFM	1592	1536	1473	1409	1341	1262	1178	1073	965	804									
			BHP	0.67	0.70	0.72	0.75	0.77	0.78	0.78	0.78	0.77	0.73									
			Sones	19.8	19.3	19.1	19.0	18.9	18.8	18.6	18.5	18.3	20									

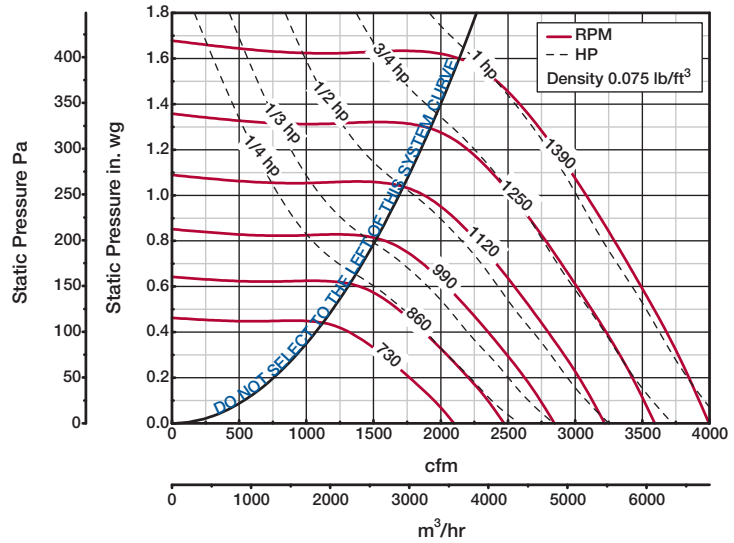
Performance certified is for installation type A: Free inlet, Free outlet. Power rating (BHP) does not include transmission losses. Performance ratings do not include the effects of appurtenances (accessories). The sound ratings shown are loudness values in fan sones at 5 ft. (1.5 m) in a hemispherical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

CUBE-161 - Belt Drive



Damper Size = 16 x 16 (406 x 406)
 Roof Opening = 18½ x 18½ (470 x 470)
 Windband Thickness = 0.051 (1.3)
 Motor Cover Thickness = 0.040 (1.0)
 Curb Cap Thickness = 0.064 (1.6)
 ^Approximate Unit Weight = 87 lb. (39 kg)

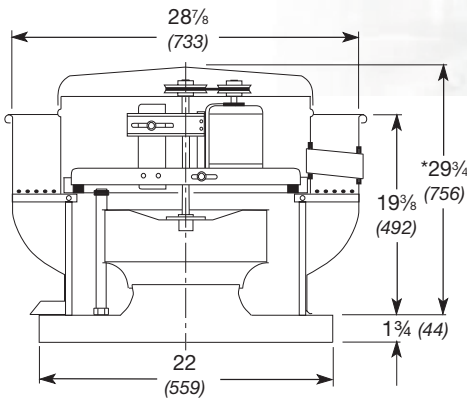
All dimensions in inches (millimeters).
 *May be greater depending on motor.
 ^Weight shown is largest cataloged Open Drip-Proof motor.



Model Number	Motor HP	Fan RPM	CFM / Static Pressure in Inches wg										
			0	0.125	0.25	0.375	0.5	0.625	0.75	1	1.25	1.5	
CUBE-161-4	1/4	730	CFM	2098	1905	1669	1389						MAXIMUM BHP AT A GIVEN RPM = (RPM/1365) ³ MAXIMUM RPM = 1390 TIP SPEED (ft/min.) = RPM x 4.352 MAXIMUM MOTOR FRAME SIZE = 145T AVERAGE DISCHARGE VELOCITY (FPM) = CFM/1.72
			BHP	0.13	0.15	0.15	0.15						
			Sones	8.1	8.0	7.8	7.8						
		778	CFM	2236	2058	1843	1596						
			BHP	0.16	0.18	0.19	0.18						
			Sones	8.9	8.7	8.5	8.4						
	826	CFM	2374	2209	2010	1790	1512						
		BHP	0.20	0.22	0.22	0.22	0.21						
		Sones	9.9	9.6	9.3	9.1	9.0						
875	CFM	2515	2362	2177	1974	1744	1365						
	BHP	0.23	0.26	0.26	0.26	0.26	0.24						
	Sones	11.0	10.6	10.1	9.9	9.7	9.7						
CUBE-161-3	1/3	965	CFM	2774	2637	2477	2300	2109	1893	1584			
			BHP	0.31	0.34	0.35	0.35	0.35	0.34	0.33			
			Sones	12.4	12.0	11.5	11.2	10.8	10.6	10.5			
CUBE-161-5	1/2	1038	CFM	2984	2857	2712	2552	2382	2199	1992			
			BHP	0.39	0.42	0.43	0.44	0.44	0.43	0.43			
			Sones	13.7	13.3	12.8	12.4	12.1	11.8	11.6			
		1110	CFM	3191	3072	2941	2796	2641	2475	2297	1770		
			BHP	0.47	0.51	0.53	0.53	0.54	0.53	0.52	0.49		
			Sones	15.0	14.6	14.2	13.8	13.5	13.1	12.9	12.2		
CUBE-161-7	3/4	1188	CFM	3415	3304	3186	3053	2911	2764	2606	2246		
			BHP	0.58	0.62	0.64	0.65	0.65	0.66	0.65	0.64		
			Sones	16.7	16.3	15.8	15.4	15.0	14.7	14.5	14.0		
		1265	CFM	3636	3532	3426	3301	3172	3036	2894	2583	2163	
			BHP	0.70	0.74	0.77	0.78	0.79	0.79	0.79	0.78	0.75	
			Sones	18.5	18.1	17.7	17.2	16.8	16.5	16.3	15.8	15.2	
CUBE-161-10	1	1328	CFM	3817	3718	3619	3502	3383	3253	3124	2843	2510	
			BHP	0.81	0.85	0.89	0.90	0.91	0.91	0.92	0.90	0.89	
			Sones	20	19.6	19.2	18.7	18.3	18.0	17.8	17.4	16.9	
		1390	CFM	3996	3901	3806	3698	3584	3464	3340	3078	2785	2394
			BHP	0.93	0.97	1.01	1.03	1.04	1.04	1.05	1.04	1.03	1.00
			Sones	22	21	21	20	19.9	19.6	19.4	19.0	18.6	18.0

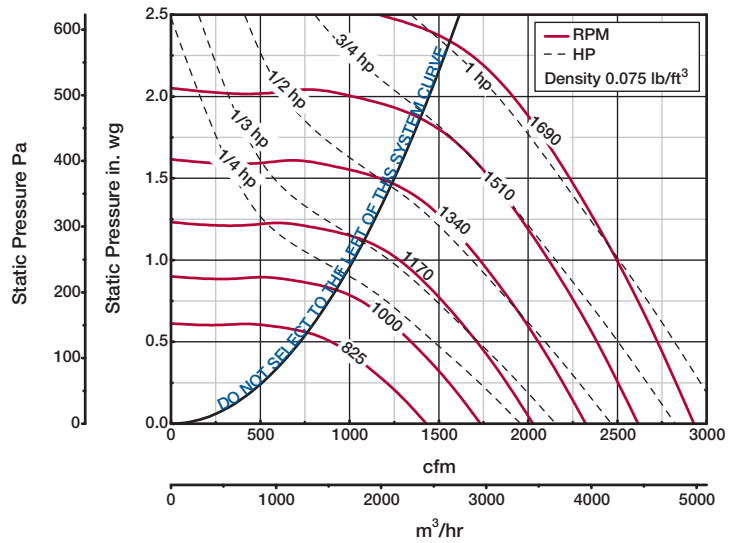
Performance certified is for installation type A: Free inlet, Free outlet. Power rating (BHP) does not include transmission losses. Performance ratings do not include the effects of appurtenances (accessories). The sound ratings shown are loudness values in fan sones at 5 ft. (1.5 m) in a hemispherical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

CUBE-161HP - Belt Drive



Damper Size = 16 x 16 (406 x 406)
 Roof Opening = 18½ x 18½ (470 x 470)
 Windband Thickness = 0.051 (1.3)
 Motor Cover Thickness = 0.040 (1.0)
 Curb Cap Thickness = 0.064 (1.6)
 ^Approximate Unit Weight = 87 lb. (39 kg)

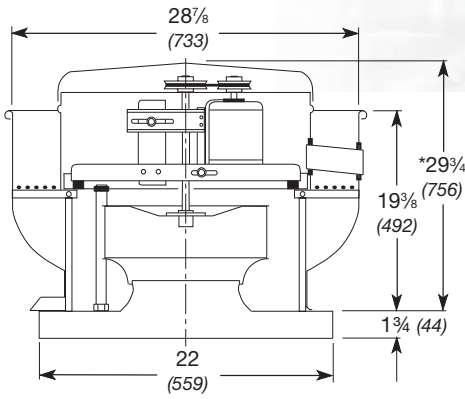
All dimensions in inches (millimeters).
 *May be greater depending on motor.
 ^Weight shown is largest cataloged Open Drip-Proof motor.



Model Number	Motor HP	Fan RPM	CFM / Static Pressure in Inches wg																				
			0.5	0.625	0.75	0.875	1	1.25	1.5	1.75	2	2.25											
CUBE-161HP-4	1/4	825	CFM	889																			
			BHP	0.12																			
			Sones	7.0																			
		910	CFM	1129	956																		
			BHP	0.16	0.16																		
			Sones	8.3	7.8																		
1065	CFM	1331	1208	1042																			
	BHP	0.21	0.21	0.21																			
	Sones	9.6	9.3	8.8																			
CUBE-161HP-3	1/3	1165	CFM	1697	1608	1504	1395	1252															
			BHP	0.32	0.33	0.34	0.34	0.34															
			Sones	12.8	12.7	12.2	11.7	11.3															
		1255	CFM	1882	1799	1715	1617	1519	1218														
			BHP	0.40	0.41	0.42	0.43	0.43	0.42														
			Sones	13.1	12.8	12.5	12.0	11.5	10.6														
1340	CFM	2053	1975	1897	1816	1724	1513																
	BHP	0.48	0.49	0.50	0.51	0.52	0.52																
	Sones	14.4	13.8	13.3	12.8	12.3	11.3																
CUBE-161HP-7	3/4	1441	CFM	2253	2180	2108	2036	1961	1790	1577													
			BHP	0.59	0.60	0.61	0.63	0.64	0.65	0.65													
			Sones	16.3	15.8	15.2	14.7	14.3	13.5	12.3													
		1535	CFM	2433	2368	2301	2233	2165	2015	1855	1638												
			BHP	0.70	0.72	0.73	0.74	0.76	0.78	0.79	0.78												
			Sones	18.1	17.7	17.2	16.8	16.4	15.7	14.9	13.5												
CUBE-161HP-10	1	1610	CFM	2573	2516	2452	2387	2322	2190	2037	1863	1651											
			BHP	0.80	0.82	0.83	0.85	0.86	0.89	0.90	0.91	0.90											
			Sones	19.6	19.2	18.8	18.4	18.1	17.5	16.9	15.8	14.3											
		1690	CFM	2722	2671	2611	2550	2488	2365	2228	2082	1899	1664										
			BHP	0.92	0.94	0.95	0.97	0.98	1.01	1.03	1.05	1.05	1.03										
			Sones	21	21	21	20	20	19.5	19.1	18.6	16.9	15.0										

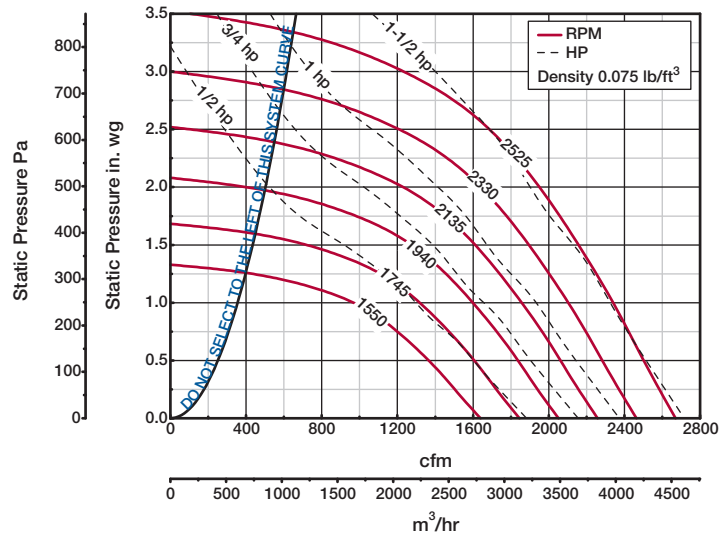
Performance certified is for installation type A: Free inlet, Free outlet. Power rating (BHP) does not include transmission losses. Performance ratings do not include the effects of appurtenances (accessories). The sound ratings shown are loudness values in fan sones at 5 ft. (1.5 m) in a hemispherical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

CUBE-161XP - Belt Drive



- Damper Size = 16 x 16 (406 x 406)
- Roof Opening = 18 1/2 x 18 1/2 (470 x 470)
- Windband Thickness = 0.051 (1.3)
- Motor Cover Thickness = 0.040 (1.0)
- Curb Cap Thickness = 0.064 (1.6)
- ^Approximate Unit Weight = 87 lb. (39 kg)

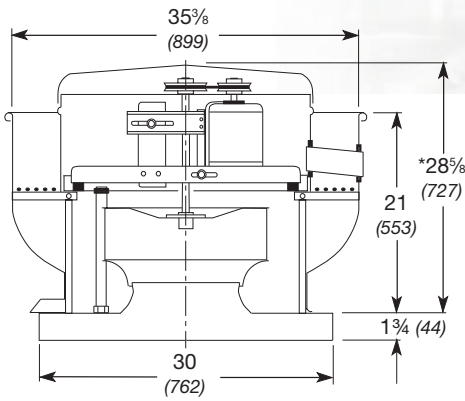
All dimensions in inches (millimeters).
 *May be greater depending on motor.
 ^Weight shown is largest cataloged Open Drip-Proof motor.



Model Number	Motor HP	Fan RPM	CFM / Static Pressure in Inches wg																			
			1	1.25	1.5	1.75	2	2.25	2.5	2.75	3	3.25										
CUBE-161XP-5	1/2	1550	CFM	968																		
			BHP	0.34																		
			Sones	10.0																		
		1648	CFM	1157	854																	
			BHP	0.42	0.39																	
			Sones	11.1	10.2																	
1750	CFM	1322	1116	726																		
	BHP	0.52	0.49	0.43																		
	Sones	12.1	11.4	10.9																		
CUBE-161XP-7	3/4	1880	CFM	1515	1359	1139	744															
			BHP	0.65	0.63	0.60	0.52															
			Sones	13.7	13.1	12.3	12.2															
		1942	CFM	1599	1456	1271	984															
			BHP	0.71	0.70	0.68	0.63															
			Sones	14.3	13.9	13.2	12.6															
2005	CFM	1684	1552	1392	1161	777																
	BHP	0.77	0.78	0.76	0.72	0.63																
	Sones	15.0	14.7	14.1	13.4	13.6																
CUBE-161XP-10	1	2138	CFM	1861	1743	1611	1451	1226	869													
			BHP	0.93	0.95	0.94	0.91	0.87	0.78													
			Sones	16.6	16.4	15.9	15.4	14.8	15.1													
		2205	CFM	1946	1834	1713	1578	1395	1127	634												
			BHP	1.01	1.03	1.04	1.01	0.99	0.92	0.73												
			Sones	17.5	17.3	17.0	16.4	15.9	15.5	16.7												
CUBE-161XP-15	1 1/2	2310	CFM	2076	1974	1865	1741	1597	1415	1134	644											
			BHP	1.17	1.18	1.2	1.18	1.16	1.12	1.04	0.83											
			Sones	19.0	18.7	18.5	18.1	17.5	17.1	16.8	18.4											
		2432	CFM	2226	2134	2031	1926	1804	1660	1483	1225	826										
			BHP	1.36	1.36	1.38	1.40	1.38	1.35	1.31	1.23	1.07										
			Sones	21	20	20	20	19.6	19.1	18.7	18.7	19.9										
2525	CFM	2339	2250	2155	2056	1946	1828	1676	1487	1221	810											
	BHP	1.52	1.52	1.54	1.56	1.56	1.53	1.50	1.45	1.35	1.16											
	Sones	22	22	22	22	21	21	20	20	20	22											

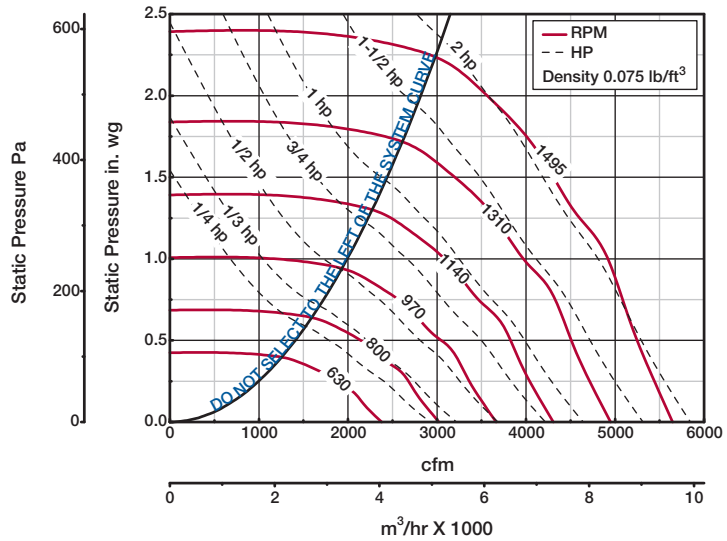
Performance certified is for installation type A: Free inlet, Free outlet. Power rating (BHP) does not include transmission losses. Performance ratings do not include the effects of appurtenances (accessories). The sound ratings shown are loudness values in fan sones at 5 ft. (1.5 m) in a hemispherical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

CUBE-180 - Belt Drive



Damper Size = 18 x 18 (457 x 457)
 Roof Opening = 20½ x 20½ (521 x 521)
 Windband Thickness = 0.064 (1.6)
 Motor Cover Thickness = 0.040 (1.0)
 Curb Cap Thickness = 0.064 (1.6)
 ^Approximate Unit Weight = 126 lb. (57 kg)

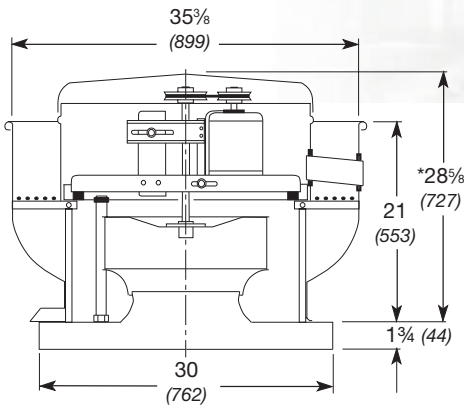
All dimensions in inches (millimeters).
 *May be greater depending on motor.
 ^Weight shown is largest cataloged Open Drip-Proof motor.



Model Number	Motor HP	Fan RPM	CFM / Static Pressure in Inches wg																				
			0	0.125	0.25	0.5	0.75	1	1.25	1.5	1.75	2											
CUBE-180-4	1/4	630	CFM	2380	2154	1861																	
			BHP	0.13	0.15	0.16																	
			Sones	7.1	6.4	5.5																	
		745	CFM	2815	2617	2448	1763																
			BHP	0.22	0.24	0.26	0.25																
			Sones	9.2	8.6	8.1	7.1																
CUBE-180-3	1/3	820	CFM	3098	2916	2759	2257																
			BHP	0.30	0.32	0.34	0.34																
			Sones	11.2	10.4	10.0	9.0																
CUBE-180-5	1/2	940	CFM	3551	3389	3243	2879	2363															
			BHP	0.45	0.47	0.49	0.52	0.50															
			Sones	13.8	13.5	13.1	12.4	11.2															
CUBE-180-7	3/4	1010	CFM	3816	3664	3526	3242	2799	2105														
			BHP	0.56	0.58	0.61	0.65	0.64	0.58														
			Sones	15.4	15.2	14.9	14.7	13.7	11.8														
		1075	CFM	4061	3919	3786	3554	3141	2652														
			BHP	0.67	0.70	0.73	0.78	0.78	0.75														
			Sones	16.5	16.2	15.8	15.5	14.7	13.3														
CUBE-180-10	1	1185	CFM	4477	4348	4224	4005	3703	3336	2841													
			BHP	0.90	0.93	0.96	1.01	1.04	1.04	0.99													
			Sones	18.5	17.9	17.1	16.5	16.0	15.2	14.4													
CUBE-180-15	1½	1275	CFM	4817	4697	4578	4369	4163	3799	3437	2930												
			BHP	1.12	1.15	1.19	1.24	1.30	1.30	1.28	1.22												
			Sones	21	20	19.5	18.7	18.2	17.5	16.7	15.9												
		1360	CFM	5138	5026	4913	4710	4532	4232	3912	3537	3023											
			BHP	1.36	1.39	1.43	1.49	1.56	1.58	1.58	1.54	1.46											
			Sones	23	23	22	21	21	20	19.2	18.3	17.3											
CUBE-180-20	2	1430	CFM	5402	5296	5189	4993	4819	4593	4270	3968	3567	3001										
			BHP	1.58	1.62	1.66	1.72	1.79	1.83	1.83	1.83	1.76	1.66										
			Sones	25	25	25	24	23	22	22	21	19.5	18.2										
		1495	CFM	5648	5546	5443	5254	5082	4921	4598	4313	3983	3564										
			BHP	1.80	1.84	1.89	1.96	2.02	2.10	2.10	2.10	2.06	1.99										
			Sones	28	27	27	26	25	25	24	23	22	21										

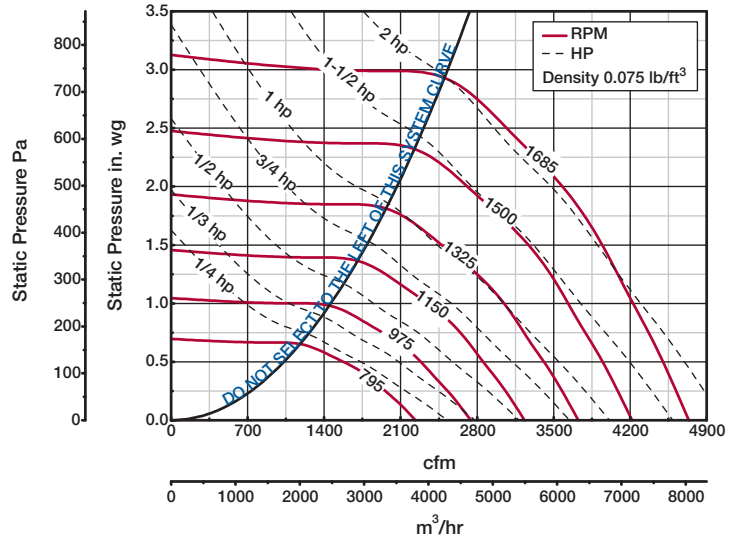
Performance certified is for installation type A: Free inlet, Free outlet. Power rating (BHP) does not include transmission losses. Performance ratings do not include the effects of appurtenances (accessories). The sound ratings shown are loudness values in fan sones at 5 ft. (1.5 m) in a hemispherical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

CUBE-180HP - Belt Drive



Damper Size = 18 x 18 (457 x 457)
 Roof Opening = 20 1/2 x 20 1/2 (521 x 521)
 Windband Thickness = 0.064 (1.6)
 Motor Cover Thickness = 0.040 (1.0)
 Curb Cap Thickness = 0.064 (1.6)
 ^Approximate Unit Weight = 126 lb. (57 kg)

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

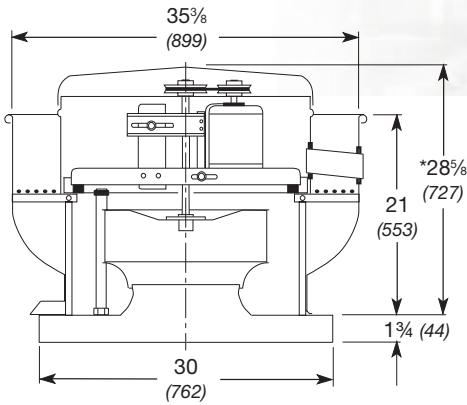


Model Number	Motor HP	Fan RPM	CFM / Static Pressure in Inches wg																			
			0.5	0.75	1	1.25	1.5	1.75	2	2.25	2.5	2.75										
CUBE-180HP-4	1/4	795	CFM	1570																		
			BHP	0.22																		
		Sones	8.3																			
		845	CFM	1799																		
BHP	0.26																					
CUBE-180HP-3	1/3	925	CFM	2104	1688																	
			BHP	0.34	0.35																	
			Sones	10.8	9.8																	
CUBE-180HP-5	1/2	1065	CFM	2581	2323	1933																
			BHP	0.50	0.52	0.53																
			Sones	13.8	12.5	12.4																
CUBE-180HP-7	3/4	1215	CFM	3063	2868	2626	2286	1854														
			BHP	0.72	0.76	0.78	0.79	0.75														
			Sones	15.0	14.5	14.0	13.4	12.9														
CUBE-180HP-10	1	1275	CFM	3253	3066	2853	2566	2209														
			BHP	0.82	0.87	0.89	0.91	0.89														
			Sones	16.7	15.8	15.4	14.9	14.3														
		1335	CFM	3441	3261	3075	2839	2523	2156													
BHP	0.93		0.98	1.02	1.04	1.04	1.04															
CUBE-180HP-15	1 1/2	1430	CFM	3735	3566	3401	3206	2964	2669	2320												
			BHP	1.13	1.19	1.23	1.26	1.27	1.28	1.24												
			Sones	22	21	19.7	19.3	18.9	18.4	17.9												
		1530	CFM	4005	3853	3696	3538	3338	3089	2807	2479											
BHP	1.34		1.40	1.46	1.50	1.52	1.53	1.54	1.49													
CUBE-180HP-20	2	1610	CFM	4273	4136	3986	3840	3674	3485	3233	2965	2656										
			BHP	1.58	1.64	1.70	1.76	1.79	1.81	1.82	1.82	1.78										
			Sones	25	24	23	23	22	21	21	20	19.2										
		1685	CFM	4495	4369	4226	4085	3945	3768	3575	3325	3061	2766									
BHP	1.79		1.86	1.93	1.99	2.04	2.07	2.08	2.09	2.08	2.04											
			Sones	27	26	25	26	24	23	22	21	21	20	19.2								

MAXIMUM BHP AT A GIVEN RPM = (RPM/1315)³
 MAXIMUM RPM = 1685
 TIP SPEED (ft/min.) = RPM x 4.843
 MAXIMUM MOTOR FRAME SIZE = 184T
 AVERAGE DISCHARGE VELOCITY (FPM) = CFM/2.92

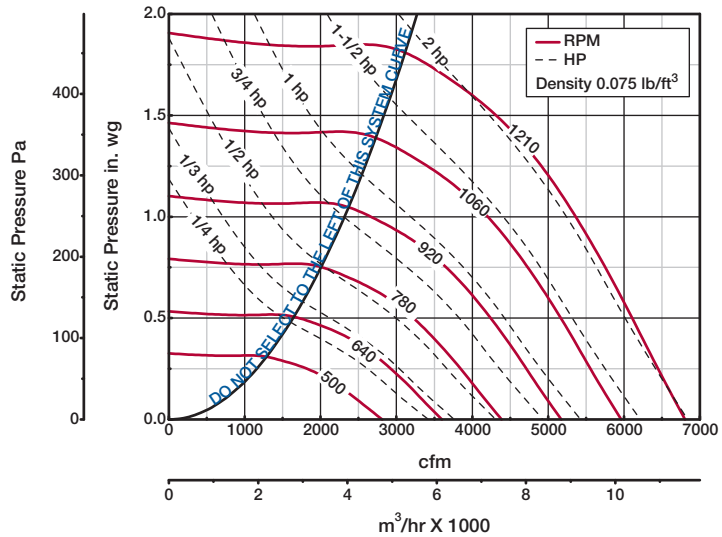
Performance certified is for installation type A: Free inlet, Free outlet. Power rating (BHP) does not include transmission losses. Performance ratings do not include the effects of appurtenances (accessories). The sound ratings shown are loudness values in fan sones at 5 ft. (1.5 m) in a hemispherical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

CUBE-200 - Belt Drive



Damper Size = 18 x 18 (457 x 457)
 Roof Opening = 20 1/2 x 20 1/2 (521 x 521)
 Windband Thickness = 0.064 (1.6)
 Motor Cover Thickness = 0.040 (1.0)
 Curb Cap Thickness = 0.064 (1.6)
 ^Approximate Unit Weight = 142 lb. (64 kg)

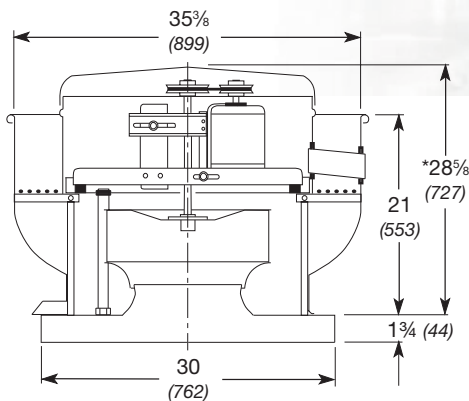
All dimensions in inches (millimeters).
 *May be greater depending on motor.
 ^Weight shown is largest cataloged Open Drip-Proof motor.



Model Number	Motor HP	Fan RPM	CFM / Static Pressure in Inches wg																	
			0	0.125	0.25	0.375	0.5	0.75	1	1.25	1.5	1.75								
CUBE-200-4	1/4	500	CFM	2812	2386	1822														
			BHP	0.14	0.15	0.15														
			Sones	6.2	5.4	4.6														
		605	CFM	3403	3054	2675	2144													
			BHP	0.25	0.26	0.26	0.25													
			Sones	8.1	7.4	6.7	6.1													
CUBE-200-3	1/3	665	CFM	3740	3422	3096	2699	2073												
			BHP	0.33	0.34	0.35	0.35	0.33												
			Sones	9.4	8.8	8.1	7.5	7.0												
CUBE-200-5	1/2	760	CFM	4275	3994	3718	3413	3048												
			BHP	0.49	0.51	0.52	0.52	0.51												
			Sones	12.1	11.7	10.9	10.1	9.4												
CUBE-200-7	3/4	820	CFM	4612	4350	4098	3828	3523	2606											
			BHP	0.61	0.63	0.65	0.65	0.65	0.61											
			Sones	14.1	14.1	13.0	12.2	11.4	10.7											
		875	CFM	4922	4676	4439	4192	3922	3240											
			BHP	0.75	0.77	0.78	0.79	0.79	0.78											
			Sones	16.3	16.3	15.2	14.7	13.5	12.4											
CUBE-200-10	1	960	CFM	5400	5176	4958	4742	4508	3985	3169										
			BHP	0.98	1.01	1.03	1.04	1.04	1.04	1.00										
			Sones	18.7	18.4	17.7	17.0	16.4	15.0	14.4										
CUBE-200-15	1 1/2	1030	CFM	5793	5585	5380	5179	4968	4503	3917	2972									
			BHP	1.22	1.24	1.26	1.28	1.29	1.29	1.27	1.18									
			Sones	21	21	20	19.2	18.7	17.5	16.4	16.8									
		1100	CFM	6187	5992	5798	5610	5421	5006	4529	3861									
			BHP	1.48	1.51	1.53	1.55	1.57	1.57	1.57	1.53									
			Sones	23	23	23	22	21	20	19.3	18.6									
CUBE-200-20	2	1155	CFM	6496	6311	6125	5946	5767	5383	4948	4410	3629								
			BHP	1.72	1.74	1.77	1.79	1.81	1.81	1.81	1.80	1.71								
			Sones	24	24	23	23	22	21	20	19.2	19.9								
		1210	CFM	6806	6628	6451	6279	6108	5748	5350	4892	4289	3365							
			BHP	1.97	2.00	2.03	2.05	2.07	2.09	2.09	2.08	2.04	1.88							
			Sones	25	24	23	23	22	21	21	19.8	19.7	21							

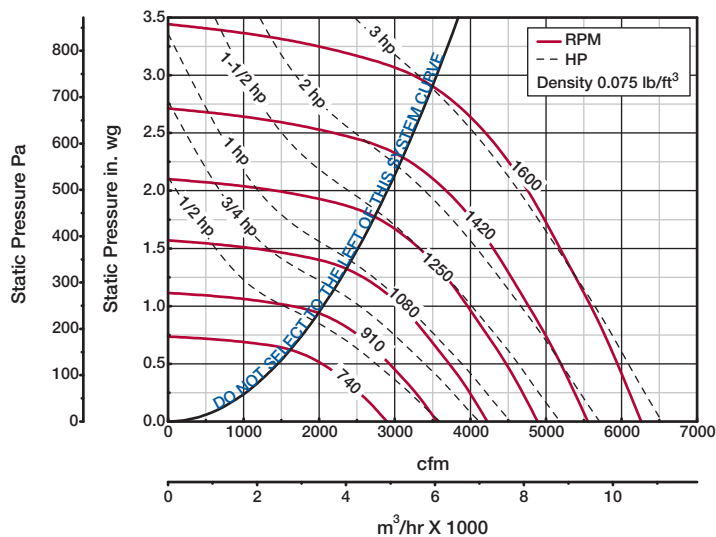
Performance certified is for installation type A: Free inlet, Free outlet. Power rating (BHP) does not include transmission losses. Performance ratings do not include the effects of appurtenances (accessories). The sound ratings shown are loudness values in fan sones at 5 ft. (1.5 m) in a hemispherical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

CUBE-200HP - Belt Drive



Damper Size = 18 x 18 (457 x 457)
 Roof Opening = 20½ x 20½ (521 x 521)
 Windband Thickness = 0.064 (1.6)
 Motor Cover Thickness = 0.040 (1.0)
 Curb Cap Thickness = 0.064 (1.6)
 ^Approximate Unit Weight = 142 lb. (64 kg)

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

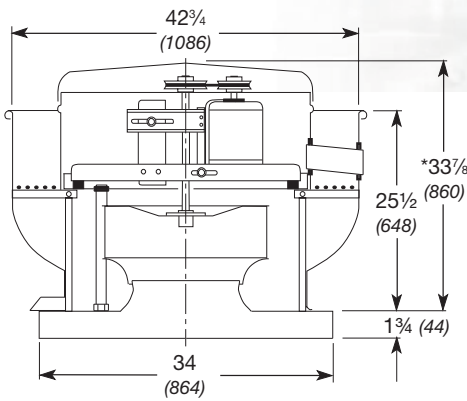


Model Number	Motor HP	Fan RPM	CFM / Static Pressure in Inches wg																			
			0.5	0.75	1	1.25	1.5	1.75	2	2.25	2.5	2.75										
CUBE-200HP-5	1/2	740	CFM	2024																		
			BHP	0.31																		
			Sones	8.1																		
		880	CFM	2779	2317																	
			BHP	0.51	0.52																	
			Sones	10.5	9.5																	
CUBE-200HP-7	3/4	945	CFM	3094	2711	2092																
			BHP	0.62	0.64	0.62																
			Sones	12.2	11.5	10.6																
		1010	CFM	3397	3067	2637																
			BHP	0.75	0.78	0.79																
			Sones	14.5	13.7	13.2																
CUBE-200HP-10	1	1110	CFM	3851	3561	3242	2806															
			BHP	0.98	1.02	1.04	1.04															
			Sones	16.9	16.2	15.7	15.5															
CUBE-200HP-15	1½	1190	CFM	4207	3944	3661	3321	2850														
			BHP	1.20	1.24	1.27	1.29	1.26														
			Sones	19.0	18.1	17.5	17.3	17.5														
		1270	CFM	4558	4312	4055	3789	3433	2944													
			BHP	1.44	1.49	1.53	1.56	1.56	1.53													
			Sones	22	21	20	19.7	19.3	19.8													
CUBE-200HP-20	2	1335	CFM	4837	4606	4369	4116	3826	3482	2946												
			BHP	1.67	1.71	1.76	1.79	1.82	1.82	1.75												
			Sones	23	23	22	21	21	21	22												
		1400	CFM	5110	4898	4674	4436	4195	3880	3515												
			BHP	1.91	1.96	2.01	2.05	2.09	2.09	2.08												
			Sones	24	24	24	23	21	22	23												
CUBE-200HP-30	3	1465	CFM	5382	5186	4972	4752	4521	4269	3956	3556											
			BHP	2.18	2.23	2.28	2.33	2.37	2.40	2.40	2.37											
			Sones	26	25	25	25	23	23	24	25											
		1600	CFM	5943	5775	5581	5385	5182	4971	4760	4476	4189	3760									
			BHP	2.81	2.88	2.93	2.99	3.03	3.08	3.13	3.13	3.13	3.06									
			Sones	29	28	29	30	29	26	24	26	28	31									

MAXIMUM BHP AT A GIVEN RPM = (RPM/1093)³
 MAXIMUM RPM = 1600
 TIP SPEED (ft/min.) = RPM x 5.595
 MAXIMUM MOTOR FRAME SIZE = 184T
 AVERAGE DISCHARGE VELOCITY (FPM) = CFM/2.92

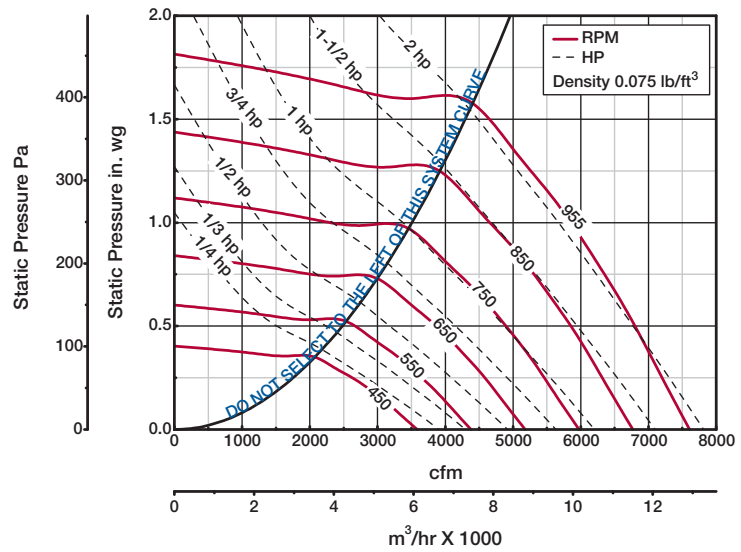
Performance certified is for installation type A: Free inlet, Free outlet. Power rating (BHP) does not include transmission losses. Performance ratings do not include the effects of appurtenances (accessories). The sound ratings shown are loudness values in fan sones at 5 ft. (1.5 m) in a hemispherical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

CUBE-220 - Belt Drive



Damper Size = 24 x 24 (610 x 610)
 Roof Opening = 26½ x 26½ (673 x 673)
 Windband Thickness = 0.064 (1.6)
 Motor Cover Thickness = 0.051 (1.3)
 Curb Cap Thickness = 0.064 (1.6)
 ^Approximate Unit Weight = 174 lb. (79 kg)

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

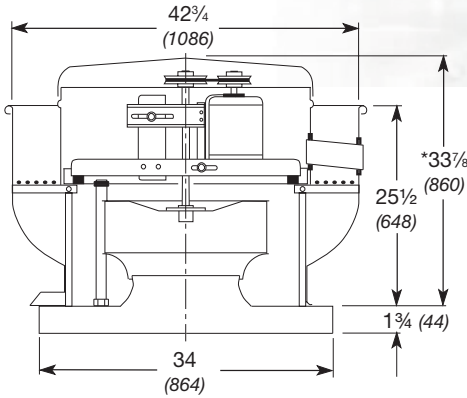


Model Number	Motor HP	Fan RPM	CFM / Static Pressure in Inches wg																				
			0	0.125	0.25	0.375	0.5	0.625	0.75	1	1.25	1.5											
CUBE-220-4	1/4	450	CFM	3585	3155	2624																	
			BHP	0.19	0.21	0.22																	
			Sones	7.3	6.6	6.0																	
		475	CFM	3784	3377	2896	2268																
			BHP	0.23	0.25	0.26	0.25																
			Sones	7.9	7.2	6.5	6.1																
CUBE-220-3	1/3	520	CFM	4142	3771	3357	2845																
			BHP	0.30	0.32	0.34	0.34																
			Sones	9.3	8.4	7.6	7.1																
CUBE-220-5	1/2	600	CFM	4779	4457	4124	3736	3279															
			BHP	0.46	0.48	0.51	0.52	0.52															
			Sones	12.0	11.0	10.0	9.3	8.8															
CUBE-220-7	3/4	645	CFM	5138	4838	4539	4194	3811	3346														
			BHP	0.57	0.60	0.63	0.64	0.65	0.64														
			Sones	13.4	12.6	11.8	11.1	10.4	9.9														
		685	CFM	5457	5174	4893	4581	4234	3836	3383													
			BHP	0.68	0.71	0.74	0.76	0.78	0.78	0.77													
			Sones	14.8	14.0	13.4	12.9	12.1	11.6	11.1													
CUBE-220-10	1	755	CFM	6014	5758	5502	5239	4944	4620	4258													
			BHP	0.91	0.94	0.98	1.01	1.03	1.04	1.04													
			Sones	17.3	16.7	16.3	16.0	15.5	14.8	14.3													
CUBE-220-15	1½	810	CFM	6452	6213	5975	5737	5470	5185	4883	4156												
			BHP	1.13	1.16	1.20	1.24	1.26	1.28	1.29	1.27												
			Sones	18.7	18.1	17.7	17.3	16.9	16.2	15.6	14.7												
		865	CFM	6890	6667	6443	6220	5987	5729	5453	4835	4111											
			BHP	1.37	1.41	1.45	1.49	1.52	1.54	1.56	1.57	1.53											
			Sones	20	19.9	19.3	18.9	18.5	17.8	17.2	16.3	15.9											
CUBE-220-20	2	910	CFM	7249	7036	6823	6612	6400	6158	5909	5365	4704											
			BHP	1.6	1.64	1.68	1.72	1.76	1.78	1.81	1.83	1.81											
			Sones	23	22	22	21	21	19.9	19.1	18.0	17.1											
		955	CFM	7607	7405	7202	7000	6799	6580	6347	5844	5261	4602										
			BHP	1.85	1.89	1.93	1.97	2.02	2.05	2.07	2.11	2.11	2.07										
			Sones	25	25	24	24	23	23	22	20	19.0	18.6										

MAXIMUM BHP AT A GIVEN RPM = (RPM/743)³
 MAXIMUM RPM = 955
 TIP SPEED (ft./min.) = RPM x 6.413
 MAXIMUM MOTOR FRAME SIZE = 184T
 AVERAGE DISCHARGE VELOCITY (FPM) = CFM/3.76

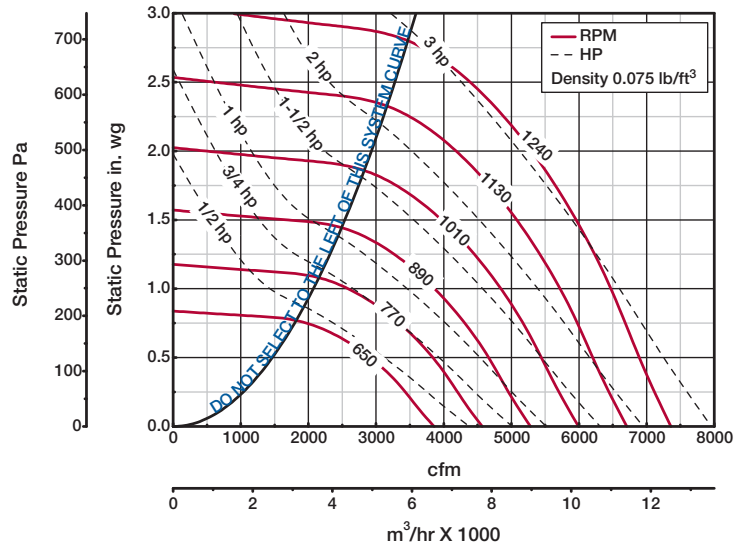
Performance certified is for installation type A: Free inlet, Free outlet. Power rating (BHP) does not include transmission losses. Performance ratings do not include the effects of appurtenances (accessories). The sound ratings shown are loudness values in fan sones at 5 ft. (1.5 m) in a hemispherical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

CUBE-220HP - Belt Drive



Damper Size = 24 x 24 (610 x 610)
 Roof Opening = 26 1/2 x 26 1/2 (673 x 673)
 Windband Thickness = 0.064 (1.6)
 Motor Cover Thickness = 0.051 (1.3)
 Curb Cap Thickness = 0.064 (1.6)
 ^Approximate Unit Weight = 174 lb. (79 kg)

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

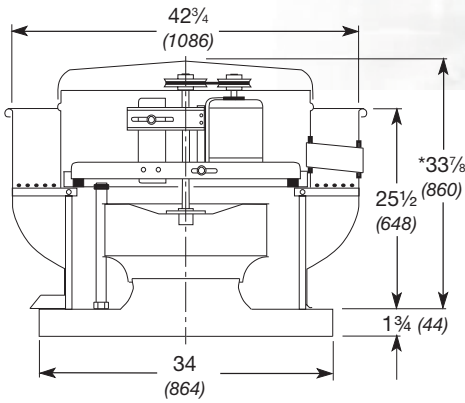


Model Number	Motor HP	Fan RPM	CFM / Static Pressure in Inches wg																			
			0.5	0.75	1	1.25	1.5	1.75	2	2.25	2.5	2.75										
CUBE-220HP-5	1/2	650	CFM	2909	1940																	
			BHP	0.45	0.42																	
			Sones	8.6	7.5																	
		680	CFM	3151	2405																	
			BHP	0.51	0.51																	
			Sones	9.6	8.6																	
CUBE-220HP-7	3/4	735	CFM	3582	3006																	
			BHP	0.63	0.65																	
			Sones	11.7	10.8																	
		780	CFM	3902	3427	2716																
			BHP	0.74	0.78	0.77																
			Sones	13.2	12.2	11.9																
CUBE-220HP-10	1	860	CFM	4459	4075	3578	2863															
			BHP	0.96	1.02	1.05	1.01															
			Sones	14.8	14.1	13.7	12.9															
CUBE-220HP-15	1 1/2	985	CFM	5281	4988	4642	4220	3674	2825													
			BHP	1.39	1.48	1.54	1.57	1.56	1.46													
			Sones	18.8	17.6	17.2	16.9	16.2	14.6													
CUBE-220HP-20	2	1035	CFM	5602	5335	5033	4659	4209	3630													
			BHP	1.60	1.69	1.77	1.81	1.82	1.79													
			Sones	21	19.5	18.6	18.5	18.1	17.0													
		1085	CFM	5920	5678	5390	5061	4679	4210	3573												
			BHP	1.82	1.92	2.00	2.06	2.10	2.09	2.03												
			Sones	23	21	20	20	19.8	19.3	17.8												
CUBE-220HP-30	3	1135	CFM	6236	6006	5743	5456	5114	4708	4215	3518											
			BHP	2.06	2.17	2.26	2.34	2.39	2.40	2.38	2.28											
			Sones	24	23	22	21	21	21	20	19.4											
		1188	CFM	6570	6350	6111	5848	5540	5202	4792	4286	3563										
			BHP	2.34	2.46	2.56	2.65	2.71	2.75	2.76	2.72	2.59										
			Sones	25	24	24	23	23	22	22	22	22										
1240	CFM	6895	6684	6469	6217	5950	5637	5283	4885	4374	3633											
	BHP	2.64	2.76	2.88	2.97	3.05	3.10	3.13	3.13	3.08	2.92											
	Sones	26	25	25	25	25	24	23	24	25	27											

MAXIMUM BHP AT A GIVEN RPM = (RPM/847)³
 MAXIMUM RPM = 1240
 TIP SPEED (ft/min.) = RPM x 6.413
 MAXIMUM MOTOR FRAME SIZE = 184T
 AVERAGE DISCHARGE VELOCITY (FPM) = CFM/3.76

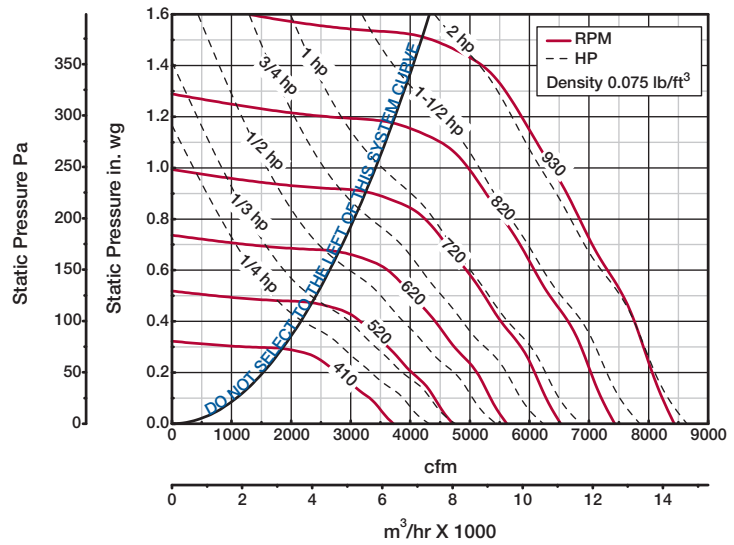
Performance certified is for installation type A: Free inlet, Free outlet. Power rating (BHP) does not include transmission losses. Performance ratings do not include the effects of appurtenances (accessories). The sound ratings shown are loudness values in fan sones at 5 ft. (1.5 m) in a hemispherical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

CUBE-240 - Belt Drive



Damper Size = 24 x 24 (610 x 610)
 Roof Opening = 26 1/2 x 26 1/2 (673 x 673)
 Windband Thickness = 0.064 (1.6)
 Motor Cover Thickness = 0.051 (1.3)
 Curb Cap Thickness = 0.064 (1.6)
 ^Approximate Unit Weight = 175 lb. (79 kg)

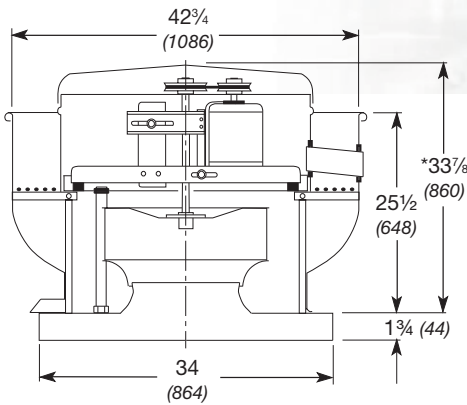
All dimensions in inches (millimeters).
 *May be greater depending on motor.
 ^Weight shown is largest cataloged Open Drip-Proof motor.



Model Number	Motor HP	Fan RPM	CFM / Static Pressure in Inches wg																
			0	0.125	0.25	0.375	0.5	0.625	0.75	1	1.25	1.5							
CUBE-240-4	1/4	410	CFM	3717	3170	2471													
			BHP	0.16	0.18	0.18													
			Sones	6.4	5.8	5.3													
		465	CFM	4216	3768	3188	2162												
			BHP	0.23	0.25	0.26	0.23												
			Sones	7.6	7.0	6.3	5.9												
CUBE-240-3	1/3	510	CFM	4623	4243	3717	3134												
			BHP	0.31	0.33	0.34	0.34												
			Sones	8.9	8.1	7.3	6.9												
CUBE-240-5	1/2	585	CFM	5303	4961	4540	4093	3565											
			BHP	0.46	0.49	0.51	0.52	0.51											
			Sones	11.5	10.5	9.5	8.8	8.4											
CUBE-240-7	3/4	628	CFM	5693	5368	5010	4590	4141	3600										
			BHP	0.57	0.61	0.63	0.64	0.65	0.63										
			Sones	12.9	11.9	11.1	10.4	9.8	9.4										
		670	CFM	6074	5763	5461	5052	4659	4202	3524									
			BHP	0.69	0.74	0.76	0.78	0.79	0.78	0.73									
			Sones	14.3	13.4	12.8	12.2	11.5	11.0	10.6									
CUBE-240-10	1	735	CFM	6663	6370	6133	5764	5409	5037	4618									
			BHP	0.92	0.97	0.99	1.01	1.03	1.04	1.03									
			Sones	16.6	15.9	15.5	15.1	14.6	13.9	13.4									
CUBE-240-15	1 1/2	790	CFM	7162	6883	6661	6361	6011	5693	5332	4453								
			BHP	1.14	1.20	1.22	1.25	1.27	1.28	1.29	1.24								
			Sones	18.2	17.5	17.2	16.8	16.3	15.7	15.0	14.3								
		845	CFM	7660	7400	7184	6947	6615	6304	6002	5282								
			BHP	1.39	1.46	1.49	1.51	1.54	1.56	1.57	1.56								
			Sones	19.6	19.0	18.6	18.2	17.6	17.0	16.4	15.4								
CUBE-240-20	2	888	CFM	8050	7802	7590	7394	7083	6772	6489	5854	5088							
			BHP	1.62	1.69	1.72	1.75	1.78	1.81	1.82	1.83	1.77							
			Sones	21	21	21	20	19.5	18.7	18.0	17.0	16.4							
		930	CFM	8431	8194	7985	7798	7536	7233	6953	6375	5706	4324						
			BHP	1.86	1.93	1.98	2.00	2.03	2.06	2.08	2.10	2.07	1.83						
			Sones	24	23	23	22	22	21	19.9	18.7	17.8	17.9						

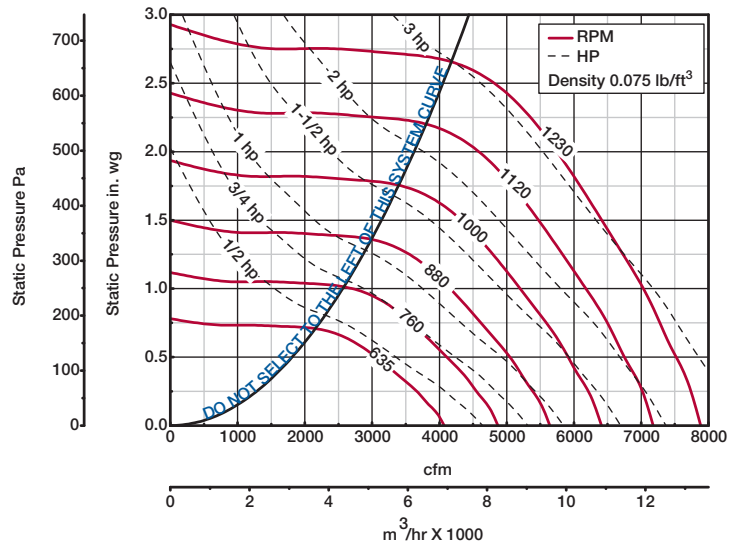
Performance certified is for installation type A: Free inlet, Free outlet. Power rating (BHP) does not include transmission losses. Performance ratings do not include the effects of appurtenances (accessories). The sound ratings shown are loudness values in fan sones at 5 ft. (1.5 m) in a hemispherical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

CUBE-240HP - Belt Drive



- Damper Size = 24 x 24 (610 x 610)
- Roof Opening = 26 1/2 x 26 1/2 (673 x 673)
- Windband Thickness = 0.064 (1.6)
- Motor Cover Thickness = 0.051 (1.3)
- Curb Cap Thickness = 0.064 (1.6)
- ^Approximate Unit Weight = 175 lb. (79 kg)

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

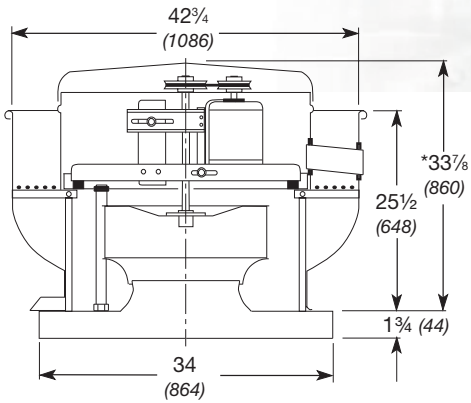


Model Number	Motor HP	Fan RPM	CFM / Static Pressure in Inches wg																			
			0.5	0.625	0.75	1	1.25	1.5	1.75	2	2.25	2.5										
CUBE-240HP-5	1/2	635	CFM	3046	2673																	
			BHP	0.43	0.43																	
			Sones	8.1	7.4																	
		675	CFM	3405	3070	2607																
			BHP	0.51	0.52	0.51																
			Sones	9.4	8.8	8.4																
CUBE-240HP-7	3/4	725	CFM	3824	3547	3222																
			BHP	0.62	0.64	0.65																
			Sones	11.3	10.7	10.3																
		775	CFM	4233	3979	3704	2940															
			BHP	0.75	0.77	0.78	0.77															
			Sones	13.1	12.5	12.1	11.8															
CUBE-240HP-10	1	850	CFM	4812	4599	4367	3846	3025														
			BHP	0.96	0.99	1.01	1.04	1.00														
			Sones	14.5	14.0	13.8	13.4	12.6														
CUBE-240HP-15	1 1/2	913	CFM	5286	5094	4890	4448	3932														
			BHP	1.16	1.20	1.23	1.28	1.29														
			Sones	16.4	15.8	15.4	15.2	14.7														
		975	CFM	5737	5567	5387	4988	4539	4006													
			BHP	1.39	1.43	1.48	1.53	1.56	1.56													
			Sones	18.4	17.9	17.3	16.9	16.6	15.9													
CUBE-240HP-20	2	1023	CFM	6075	5927	5756	5389	4995	4533	3854												
			BHP	1.59	1.63	1.68	1.75	1.80	1.81	1.77												
			Sones	20	19.6	19.0	18.3	18.1	17.7	16.4												
		1070	CFM	6404	6272	6112	5775	5407	4990	4550	3625											
			BHP	1.80	1.84	1.89	1.98	2.04	2.07	2.08	1.95											
			Sones	22	22	21	19.7	19.7	19.4	18.8	16.6											
CUBE-240HP-30	3	1150	CFM	6960	6836	6711	6406	6077	5735	5335	4925	4212										
			BHP	2.21	2.26	2.30	2.40	2.48	2.55	2.57	2.58	2.49										
			Sones	24	24	23	22	22	22	21	21	20										
		1230	CFM	7513	7395	7280	7016	6730	6410	6090	5709	5326	4722									
			BHP	2.68	2.73	2.77	2.88	2.98	3.05	3.13	3.14	3.16	3.09									
			Sones	26	25	25	25	25	24	24	23	23	25									

MAXIMUM BHP AT A GIVEN RPM = (RPM/837)³
 MAXIMUM RPM = 1230
 TIP SPEED (ft/min.) = RPM x 6.413
 MAXIMUM MOTOR FRAME SIZE = 184T
 AVERAGE DISCHARGE VELOCITY (FPM) = CFM/3.76

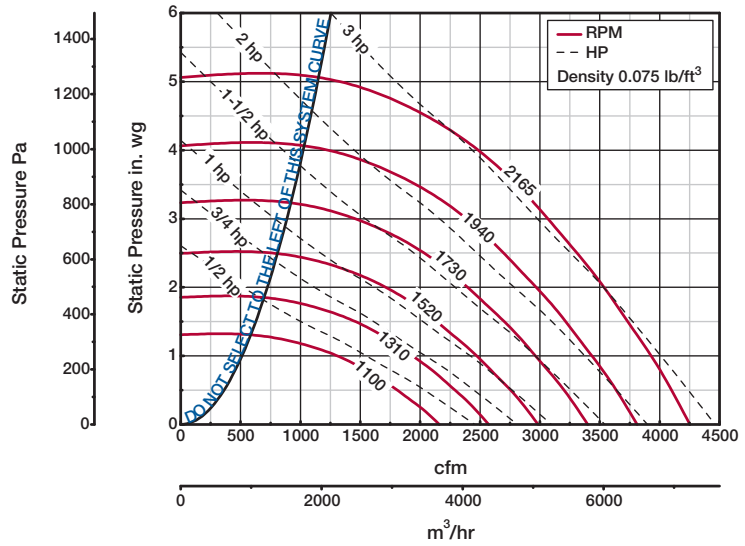
Performance certified is for installation type A: Free inlet, Free outlet. Power rating (BHP) does not include transmission losses. Performance ratings do not include the effects of appurtenances (accessories). The sound ratings shown are loudness values in fan sones at 5 ft. (1.5 m) in a hemispherical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

CUBE-240XP - Belt Drive



Damper Size = 24 x 24 (610 x 610)
 Roof Opening = 26 1/2 x 26 1/2 (673 x 673)
 Windband Thickness = 0.064 (1.6)
 Motor Cover Thickness = 0.051 (1.3)
 Curb Cap Thickness = 0.064 (1.6)
 ^Approximate Unit Weight = 175 lb. (79 kg)

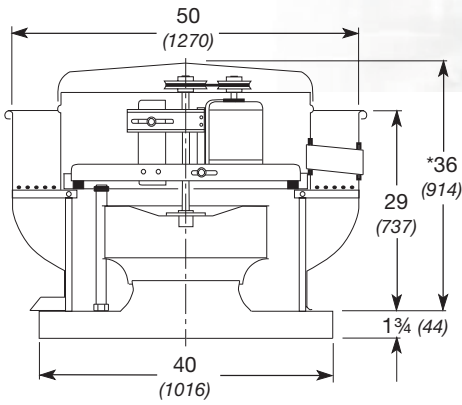
All dimensions in inches (millimeters).
 *May be greater depending on motor.
 ^Weight shown is largest cataloged Open Drip-Proof motor.



Model Number	Motor HP	Fan RPM	CFM / Static Pressure in Inches wg																			
			1	1.25	1.5	2	2.5	3	3.5	4	4.5	5										
CUBE-240XP-5	1/2	1100	CFM	1292	789																	
			BHP	0.40	0.34																	
			Sones	10.9	11.9																	
		1195	CFM	1613	1321	792																
			BHP	0.53	0.51	0.43																
			Sones	11.6	12.1	13.4																
CUBE-240XP-7	3/4	1365	CFM	2079	1886	1645																
			BHP	0.77	0.78	0.77																
			Sones	13.6	13.4	13.7																
		1421	CFM	2223	2042	1837	1209															
			BHP	0.86	0.88	0.88	0.79															
			Sones	14.4	14.2	14.2	15.3															
CUBE-240XP-10	1	1500	CFM	2424	2256	2079	1630															
			BHP	1.00	1.03	1.04	1.01															
			Sones	15.9	15.3	15.1	15.5															
		1635	CFM	2743	2604	2450	2101	1631														
			BHP	1.28	1.31	1.33	1.34	1.28														
			Sones	18.6	18.0	17.5	17.0	17.7														
CUBE-240XP-15	1 1/2	1720	CFM	2939	2815	2671	2366	1975	1336													
			BHP	1.48	1.51	1.53	1.57	1.53	1.35													
			Sones	21	19.8	19.2	18.4	18.4	20													
		1895	CFM	3333	3222	3109	2847	2566	2202	1706												
			BHP	1.94	1.98	2.01	2.07	2.10	2.05	1.92												
			Sones	24	23	22	21	21	21	22												
CUBE-240XP-20	2	1956	CFM	3469	3361	3252	3006	2739	2414	2032	1326											
			BHP	2.13	2.16	2.20	2.26	2.30	2.28	2.21	1.89											
			Sones	25	24	23	22	22	21	22	25											
			2030	CFM	3632	3529	3423	3197	2945	2667	2319	1852										
				BHP	2.37	2.40	2.44	2.51	2.56	2.58	2.51	2.38										
				Sones	26	25	25	24	23	23	23	25										
		2165	CFM	3927	3830	3733	3535	3305	3063	2787	2461	2048	1324									
			BHP	2.85	2.89	2.93	3.01	3.07	3.12	3.11	3.05	2.93	2.47									
			Sones	29	28	28	27	26	25	25	25	27	31									

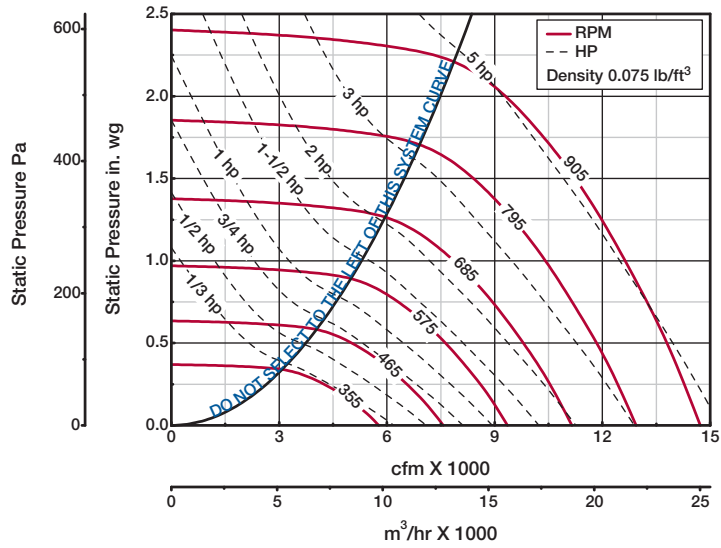
Performance certified is for installation type A: Free inlet, Free outlet. Power rating (BHP) does not include transmission losses. Performance ratings do not include the effects of appurtenances (accessories). The sound ratings shown are loudness values in fan sones at 5 ft. (1.5 m) in a hemispherical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

CUBE-300 - Belt Drive



Damper Size = 30 x 30 (762 x 762)
 Roof Opening = 32½ x 32½ (826 x 826)
 Windband Thickness = 0.080 (2.0)
 Motor Cover Thickness = 0.051 (1.3)
 Curb Cap Thickness = 0.064 (1.6)
 ^Approximate Unit Weight = 313 lb. (142 kg)

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

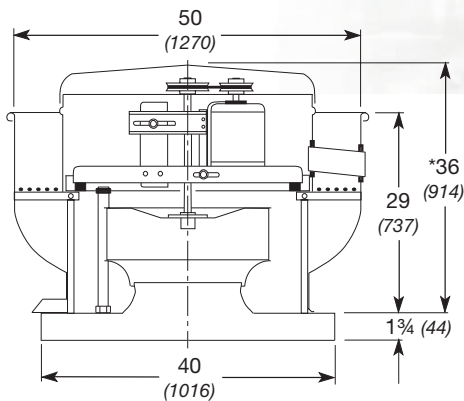


Model Number	Motor HP	Fan RPM	CFM / Static Pressure in Inches wg																
			0	0.125	0.25	0.5	0.75	1	1.25	1.5	1.75	2							
CUBE-300-3	1/3	355	CFM	5777	5132	4227													
			BHP	0.27	0.30	0.31													
			Sones	6.9	6.3	5.3													
		365	CFM	5939	5316	4463													
			BHP	0.29	0.33	0.34													
			Sones	7.2	6.5	5.7													
CUBE-300-5	1/2	420	CFM	6835	6314	5660													
			BHP	0.45	0.49	0.52													
			Sones	9.0	8.2	7.5													
CUBE-300-7	3/4	480	CFM	7811	7377	6844	5440												
			BHP	0.67	0.72	0.76	0.77												
			Sones	11.0	10.5	9.9	8.5												
CUBE-300-10	1	530	CFM	8625	8231	7772	6636												
			BHP	0.90	0.95	1.00	1.05												
			Sones	13.3	12.7	12.2	11.2												
CUBE-300-15	1½	605	CFM	9845	9501	9127	8226	7084											
			BHP	1.34	1.40	1.46	1.54	1.55											
			Sones	17.0	16.4	15.7	14.8	13.5											
CUBE-300-20	2	665	CFM	10822	10508	10193	9411	8495	7271										
			BHP	1.77	1.85	1.92	2.02	2.07	2.04										
			Sones	20	19.7	18.6	17.5	16.7	15.1										
CUBE-300-30	3	765	CFM	12449	12176	11904	11273	10554	9743	8756	7352								
			BHP	2.7	2.78	2.86	3.00	3.09	3.15	3.14	2.98								
			Sones	24	24	23	22	21	20	18.7	17.0								
CUBE-300-50	5	795	CFM	12937	12675	12413	11818	11145	10404	9479	8302								
			BHP	3.03	3.12	3.20	3.35	3.46	3.53	3.53	3.43								
			Sones	26	25	24	23	22	22	21	18.5								
		850	CFM	13832	13587	13342	12808	12207	11521	10771	9883	8694							
			BHP	3.71	3.80	3.89	4.05	4.19	4.27	4.32	4.31	4.16							
			Sones	29	28	28	26	25	25	24	22	20							
905	CFM	14727	14497	14266	13788	13223	12614	11963	11191	10357	9178								
	BHP	4.47	4.57	4.67	4.85	5.00	5.11	5.19	5.21	5.20	5.01								
	Sones	32	32	32	29	28	28	27	26	24	22								

MAXIMUM BHP AT A GIVEN RPM = (RPM/522)³
 MAXIMUM RPM = 905
 TIP SPEED (ft/min.) = RPM x 7.983
 MAXIMUM MOTOR FRAME SIZE = 213T
 AVERAGE DISCHARGE VELOCITY (FPM) = CFM/5.50

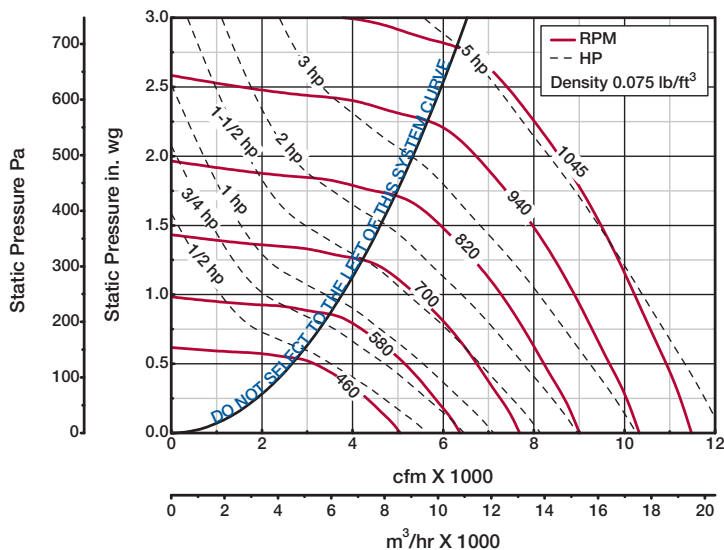
Performance certified is for installation type A: Free inlet, Free outlet. Power rating (BHP) does not include transmission losses. Performance ratings do not include the effects of appurtenances (accessories). The sound ratings shown are loudness values in fan sones at 5 ft. (1.5 m) in a hemispherical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

CUBE-300HP - Belt Drive



Damper Size = 30 x 30 (762 x 762)
 Roof Opening = 32½ x 32½ (826 x 826)
 Windband Thickness = 0.080 (2.0)
 Motor Cover Thickness = 0.051 (1.3)
 Curb Cap Thickness = 0.064 (1.6)
 ^Approximate Unit Weight = 313 lb. (142 kg)

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

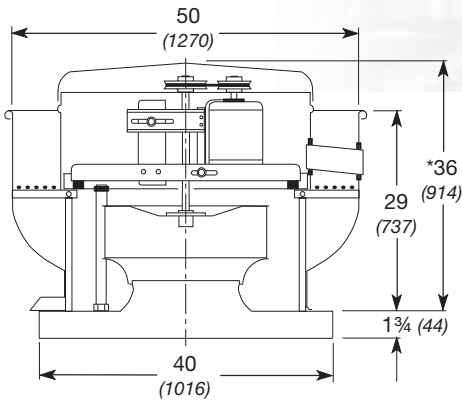


Model Number	Motor HP	Fan RPM	CFM / Static Pressure in Inches wg																			
			0.5	0.75	1	1.25	1.5	1.75	2	2.25	2.5	2.75										
CUBE-300HP-5	1/2	460	CFM	3125																		
			BHP	0.44																		
			Sones	7.3																		
		485	CFM	3639																		
			BHP	0.52																		
			Sones	7.9																		
CUBE-300HP-7	3/4	555	CFM	4788	3651																	
			BHP	0.77	0.76																	
			Sones	10.4	9.9																	
CUBE-300HP-10	1	610	CFM	5549	4731																	
			BHP	1.00	1.03																	
			Sones	12.4	11.3																	
CUBE-300HP-15	1½	700	CFM	6741	6149	5390																
			BHP	1.47	1.53	1.57																
			Sones	16.0	15.2	14.0																
CUBE-300HP-20	2	770	CFM	7613	7107	6535	5814	4684														
			BHP	1.91	2.00	2.06	2.09	1.99														
			Sones	18.6	18.1	17.4	16.2	16.0														
CUBE-300HP-30	3	828	CFM	8324	7879	7373	6776	6059														
			BHP	2.34	2.45	2.52	2.57	2.58														
			Sones	21	21	20	19.1	18.3														
		885	CFM	9014	8603	8150	7678	7062	6353													
			BHP	2.83	2.94	3.03	3.12	3.15	3.14													
			Sones	23	23	23	22	21	21													
CUBE-300HP-50	5	938	CFM	9649	9262	8859	8413	7923	7331	6624												
			BHP	3.34	3.46	3.57	3.66	3.73	3.76	3.73												
			Sones	26	26	26	25	24	23	23												
		991	CFM	10275	9913	9546	9133	8711	8201	7641	6946											
			BHP	3.90	4.03	4.16	4.26	4.35	4.41	4.44	4.39											
			Sones	30	29	29	28	28	27	26	25											
1045	CFM	10909	10570	10222	9855	9455	9054	8533	8002	7330	6463											
	BHP	4.54	4.68	4.82	4.94	5.04	5.13	5.17	5.21	5.15	4.99											
	Sones	35	34	34	33	32	31	31	30	28	27											

MAXIMUM BHP AT A GIVEN RPM = (RPM/602)³
 MAXIMUM RPM = 1045
 TIP SPEED (ft./min.) = RPM x 7.983
 MAXIMUM MOTOR FRAME SIZE = 213T
 AVERAGE DISCHARGE VELOCITY (FPM) = CFM/5.50

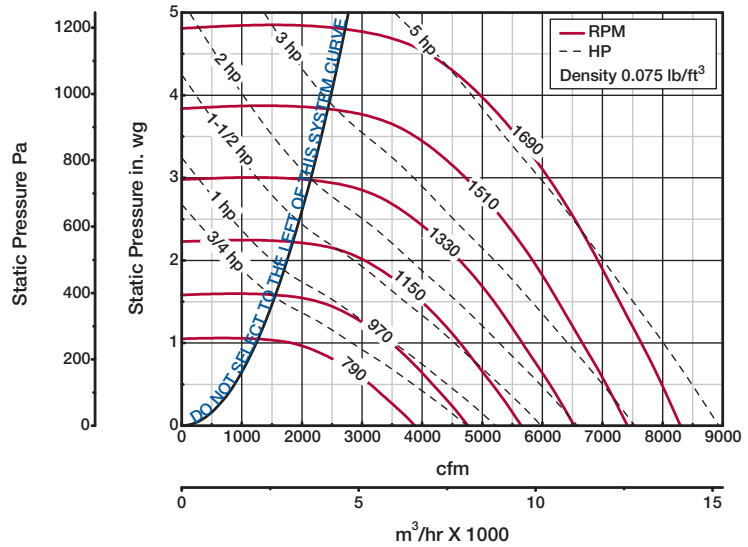
Performance certified is for installation type A: Free inlet, Free outlet. Power rating (BHP) does not include transmission losses. Performance ratings do not include the effects of appurtenances (accessories). The sound ratings shown are loudness values in fan sones at 5 ft. (1.5 m) in a hemispherical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

CUBE-300XP - Belt Drive



Damper Size = 30 x 30 (762 x 762)
 Roof Opening = 32½ x 32½ (826 x 826)
 Windband Thickness = 0.080 (2.0)
 Motor Cover Thickness = 0.051 (1.3)
 Curb Cap Thickness = 0.064 (1.6)
 ^Approximate Unit Weight = 313 lb. (142 kg)

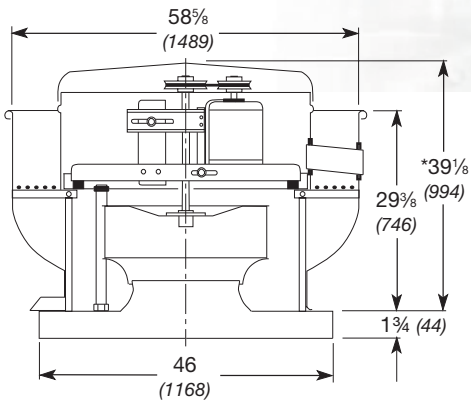
All dimensions in inches (millimeters).
 *May be greater depending on motor.
 ^Weight shown is largest cataloged Open Drip-Proof motor.



Model Number	Motor HP	Fan RPM	CFM / Static Pressure in Inches wg																				
			1	1.25	1.5	2	2.5	3	3.5	4	4.5	4.75											
CUBE-300XP-7	3/4	790	CFM	1776																			
			BHP	0.48																			
			Sones	9.4																			
		900	CFM	2958	2273																		
			BHP	0.79	0.75																		
			Sones	12.2	11.3																		
CUBE-300XP-10	1	990	CFM	3619	3167	2538																	
			BHP	1.04	1.05	1.00																	
			Sones	14.6	13.4	12.8																	
		1060	CFM	4073	3708	3255																	
			BHP	1.25	1.28	1.28																	
			Sones	16.5	15.3	14.4																	
CUBE-300XP-15	1½	1130	CFM	4511	4201	3833	2773																
			BHP	1.48	1.53	1.56	1.46																
			Sones	18.9	17.8	16.8	15.6																
		1245	CFM	5182	4930	4648	3943	2705															
			BHP	1.92	1.99	2.04	2.08	1.86															
			Sones	22	21	20	18.6	17.9															
CUBE-300XP-30	3	1335	CFM	5695	5465	5220	4648	3905															
			BHP	2.32	2.40	2.47	2.56	2.53															
			Sones	24	24	23	21	19.4															
		1425	CFM	6199	5983	5768	5286	4695	3886														
			BHP	2.78	2.86	2.95	3.07	3.14	3.03														
			Sones	27	26	25	24	22	21														
CUBE-300XP-50	5	1493	CFM	6574	6369	6164	5722	5200	4550	3646													
			BHP	3.16	3.25	3.34	3.49	3.58	3.57	3.37													
			Sones	29	28	28	26	24	23	22													
		1560	CFM	6941	6746	6549	6143	5684	5134	4441	3049												
			BHP	3.57	3.67	3.76	3.93	4.05	4.12	4.02	3.50												
			Sones	31	30	30	28	27	25	24	24												
1690	CFM	7643	7464	7284	6920	6528	6091	5587	4951	4100	3070												
	BHP	4.47	4.57	4.68	4.87	5.04	5.16	5.24	5.14	4.88	4.32												
	Sones	36	35	34	33	31	30	29	28	28	28												

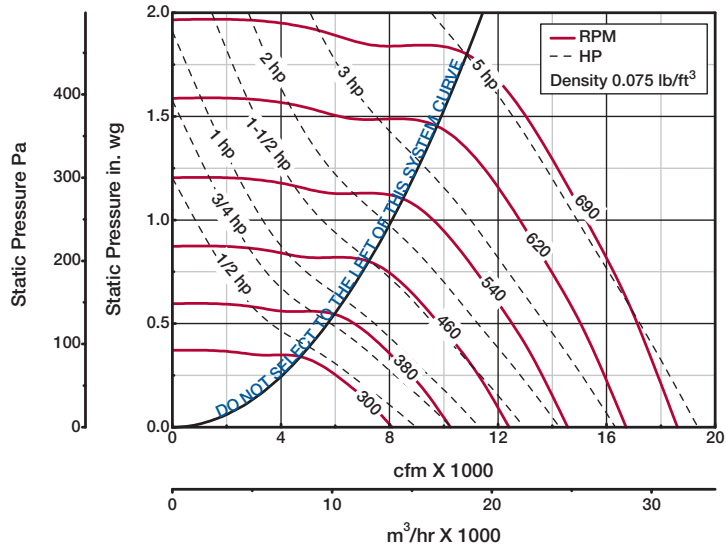
Performance certified is for installation type A: Free inlet, Free outlet. Power rating (BHP) does not include transmission losses. Performance ratings do not include the effects of appurtenances (accessories). The sound ratings shown are loudness values in fan sones at 5 ft. (1.5 m) in a hemispherical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

CUBE-360 - Belt Drive



Damper Size = 36 x 36 (914 x 914)
 Roof Opening = 38 1/2 x 38 1/2 (978 x 978)
 Windband Thickness = 0.080 (2.0)
 Motor Cover Thickness = 0.064 (1.6)
 Curb Cap Thickness = 0.080 (2.0)
 ^Approximate Unit Weight = 440 lb. (200 kg)

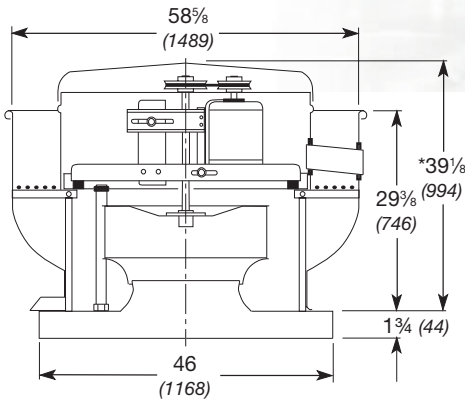
All dimensions in inches (millimeters).
 *May be greater depending on motor.
 ^Weight shown is largest cataloged Open Drip-Proof motor.



Model Number	Motor HP	Fan RPM	CFM / Static Pressure in Inches wg																	
			0	0.125	0.25	0.375	0.5	0.75	1	1.25	1.5	1.75								
CUBE-360-5	1/2	300	CFM	8092	7206	6023														
			BHP	0.37	0.42	0.43														
			Sones	6.9	5.9	5.4														
		320	CFM	8631	7820	6755	5256													
			BHP	0.44	0.50	0.52	0.51													
			Sones	7.7	6.8	6.0	6.6													
CUBE-360-7	3/4	365	CFM	9845	9142	8299	7286	5767												
			BHP	0.66	0.72	0.77	0.78	0.74												
			Sones	10.2	9.4	8.5	8.0	8.3												
CUBE-360-10	1	400	CFM	10789	10153	9426	8556	7575												
			BHP	0.87	0.94	0.99	1.02	1.02												
			Sones	12.7	11.9	11.1	10.3	9.9												
CUBE-360-15	1 1/2	460	CFM	12408	11862	11281	10587	9814	7809											
			BHP	1.32	1.40	1.48	1.53	1.55	1.52											
			Sones	16.8	16.5	15.8	15.1	14.5	13.5											
CUBE-360-20	2	505	CFM	13621	13125	12602	12022	11359	9878											
			BHP	1.74	1.83	1.92	1.99	2.04	2.06											
			Sones	20	20	19.8	19.0	18.6	17.9											
CUBE-360-30	3	543	CFM	14646	14184	13705	13209	12606	11302	9606										
			BHP	2.17	2.26	2.36	2.45	2.50	2.56	2.52										
			Sones	22	22	21	21	20	19.3	18.2										
		580	CFM	15644	15212	14769	14306	13783	12597	11287	9381									
			BHP	2.64	2.74	2.84	2.94	3.02	3.10	3.13	3.02									
			Sones	23	23	23	22	22	21	20	18.4									
CUBE-360-50	5	617	CFM	16642	16236	15826	15391	14942	13862	12684	11227									
			BHP	3.18	3.29	3.40	3.50	3.60	3.71	3.76	3.73									
			Sones	25	25	25	24	24	23	22	21									
		654	CFM	17640	17257	16873	16466	16056	15084	14000	12831	11217								
			BHP	3.78	3.90	4.02	4.13	4.24	4.39	4.46	4.48	4.38								
			Sones	27	27	27	26	26	25	23	22	21								
690	CFM	18611	18248	17884	17504	17115	16236	15243	14187	12985	11290									
	BHP	4.44	4.57	4.69	4.81	4.93	5.11	5.21	5.26	5.25	5.09									
	Sones	30	29	28	28	28	27	25	24	23	22									

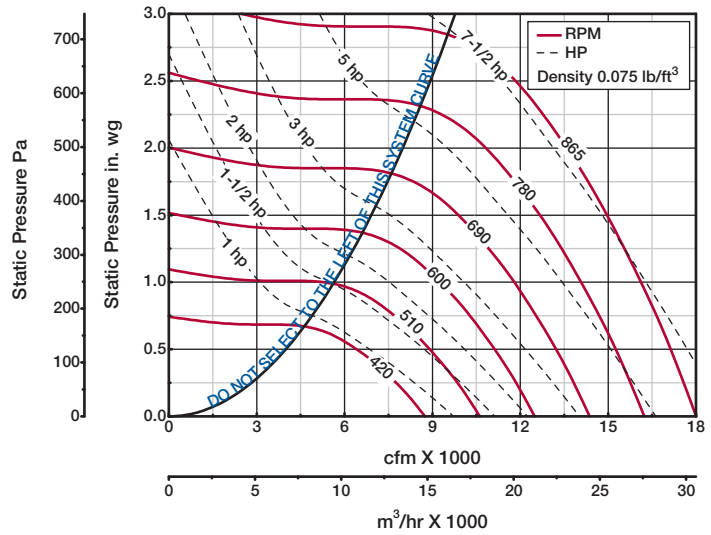
Performance certified is for installation type A: Free inlet, Free outlet. Power rating (BHP) does not include transmission losses. Performance ratings do not include the effects of appurtenances (accessories). The sound ratings shown are loudness values in fan sones at 5 ft. (1.5 m) in a hemispherical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

CUBE-360HP - Belt Drive



Damper Size = 36 x 36 (914 x 914)
 Roof Opening = 38½ x 38½ (978 x 978)
 Windband Thickness = 0.080 (2.0)
 Motor Cover Thickness = 0.064 (1.6)
 Curb Cap Thickness = 0.080 (2.0)
 ^Approximate Unit Weight = 440 lb. (200 kg)

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

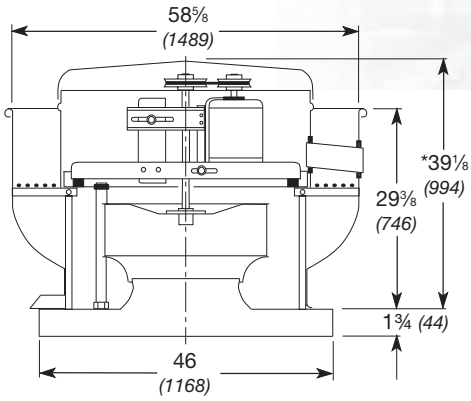


Model Number	Motor HP	Fan RPM	CFM / Static Pressure in Inches wg																			
			0.5	0.75	1	1.25	1.5	1.75	2	2.25	2.5	2.75										
CUBE-360HP-10	1	420	CFM	6407																		
			BHP	0.90																		
			Sones	9.6																		
		440	CFM	7003																		
			BHP	1.03																		
			Sones	10.8																		
CUBE-360HP-15	1½	505	CFM	8765	7539																	
			BHP	1.52	1.57																	
			Sones	15.3	14.3																	
CUBE-360HP-20	2	555	CFM	10029	9046	7766																
			BHP	1.97	2.06	2.08																
			Sones	17.2	16.2	15.4																
CUBE-360HP-30	3	595	CFM	10996	10129	9094	7488															
			BHP	2.40	2.50	2.57	2.49															
			Sones	18.9	17.7	16.8	16.1															
		635	CFM	11934	11157	10276	9171	7329														
			BHP	2.87	3.00	3.09	3.12	2.95														
			Sones	21	19.5	18.2	17.8	17.3														
CUBE-360HP-50	5	695	CFM	13321	12662	11902	11053	10026	8393													
			BHP	3.70	3.86	3.98	4.07	4.09	3.92													
			Sones	24	23	22	20	20	19.6													
		755	CFM	14688	14086	13434	12734	11922	10973	9593												
			BHP	4.68	4.86	5.01	5.14	5.23	5.24	5.10												
			Sones	28	27	26	25	24	23	22												
CUBE-360HP-75	7½	781	CFM	15275	14693	14086	13410	12681	11831	10852	9149											
			BHP	5.15	5.34	5.51	5.64	5.75	5.81	5.79	5.51											
			Sones	30	29	28	27	27	26	24	23											
		824	CFM	16232	15689	15137	14511	13869	13127	12290	11354	9683										
			BHP	6.00	6.20	6.40	6.54	6.69	6.78	6.82	6.79	6.48										
			Sones	31	29	27	28	29	28	26	25	24										
		865	CFM	17129	16631	16105	15544	14933	14315	13565	12738	11789	10197									
			BHP	6.89	7.11	7.32	7.50	7.64	7.79	7.87	7.89	7.83	7.50									
			Sones	33	32	30	29	29	29	28	27	25	23									

MAXIMUM BHP AT A GIVEN RPM = (RPM/434)³
 MAXIMUM RPM = 865
 TIP SPEED (ft/min.) = RPM x 9.425
 MAXIMUM MOTOR FRAME SIZE = 213T
 AVERAGE DISCHARGE VELOCITY (FPM) = CFM/7.25

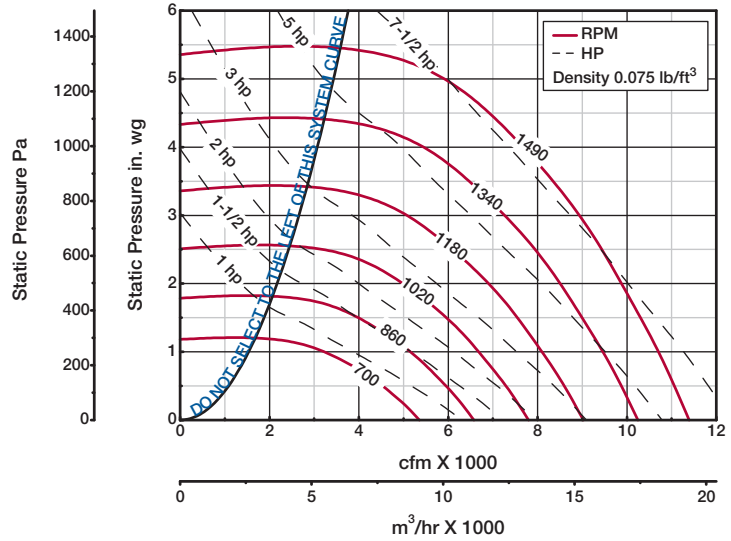
Performance certified is for installation type A: Free inlet, Free outlet. Power rating (BHP) does not include transmission losses. Performance ratings do not include the effects of appurtenances (accessories). The sound ratings shown are loudness values in fan sones at 5 ft. (1.5 m) in a hemispherical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

CUBE-360XP - Belt Drive



Damper Size = 36 x 36 (914 x 914)
 Roof Opening = 38½ x 38½ (978 x 978)
 Windband Thickness = 0.080 (2.0)
 Motor Cover Thickness = 0.064 (1.6)
 Curb Cap Thickness = 0.080 (2.0)
 ^Approximate Unit Weight = 440 lb. (200 kg)

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

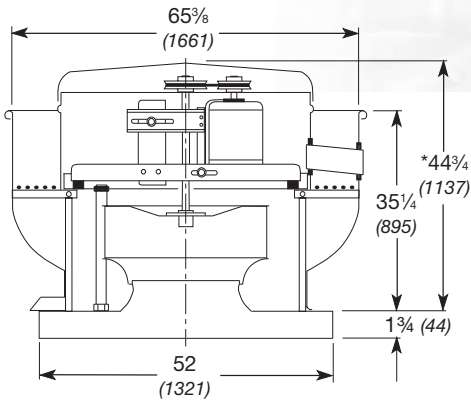


Model Number	Motor HP	Fan RPM	CFM / Static Pressure in Inches wg																			
			1	1.25	1.5	2	2.5	3	3.5	4	4.5	5										
CUBE-360XP-10	1	700	CFM	3210																		
			BHP	0.81																		
			Sones	10.5																		
		760	CFM	4020	3225																	
			BHP	1.05	1.01																	
			Sones	11.1	11.1																	
CUBE-360XP-15	1½	870	CFM	5243	4740	4112																
			BHP	1.53	1.57	1.55																
			Sones	13.6	12.7	12.3																
CUBE-360XP-20	2	955	CFM	6081	5679	5216	3949															
			BHP	1.97	2.04	2.08	1.98															
			Sones	15.4	15.4	14.2	13.0															
CUBE-360XP-30	3	1025	CFM	6722	6396	6001	5035	3264														
			BHP	2.38	2.47	2.54	2.55	2.18														
			Sones	17.1	16.5	16.2	14.5	13.4														
		1095	CFM	7351	7050	6724	5930	4905														
			BHP	2.85	2.95	3.03	3.13	3.07														
			Sones	19.2	18.4	17.8	16.4	15.4														
CUBE-360XP-50	5	1163	CFM	7945	7669	7386	6712	5867	4700													
			BHP	3.36	3.47	3.57	3.73	3.75	3.54													
			Sones	21	21	19.9	18.6	17.3	16.5													
		1231	CFM	8528	8278	8011	7422	6711	5824	4551												
			BHP	3.91	4.05	4.15	4.35	4.45	4.40	4.04												
			Sones	23	23	22	21	19.4	18.5	18.0												
1300	CFM	9113	8881	8635	8125	7502	6764	5867	4286													
	BHP	4.54	4.69	4.82	5.04	5.21	5.24	5.15	4.52													
	Sones	26	25	24	23	22	21	20	20													
CUBE-360XP-75	7½	1395	CFM	9910	9693	9477	9009	8490	7905	7193	6348	5143										
			BHP	5.50	5.67	5.83	6.08	6.30	6.48	6.48	6.37	5.87										
			Sones	29	28	27	26	25	24	23	23	23										
		1490	CFM	10699	10496	10294	9871	9429	8907	8340	7673	6881	5830									
			BHP	6.61	6.78	6.96	7.27	7.52	7.73	7.89	7.90	7.78	7.34									
			Sones	33	32	31	30	29	27	26	26	26										

MAXIMUM BHP AT A GIVEN RPM = (RPM/748)³
 MAXIMUM RPM = 1490
 TIP SPEED (ft/min.) = RPM x 7.069
 MAXIMUM MOTOR FRAME SIZE = 213T
 AVERAGE DISCHARGE VELOCITY (FPM) = CFM/7.25

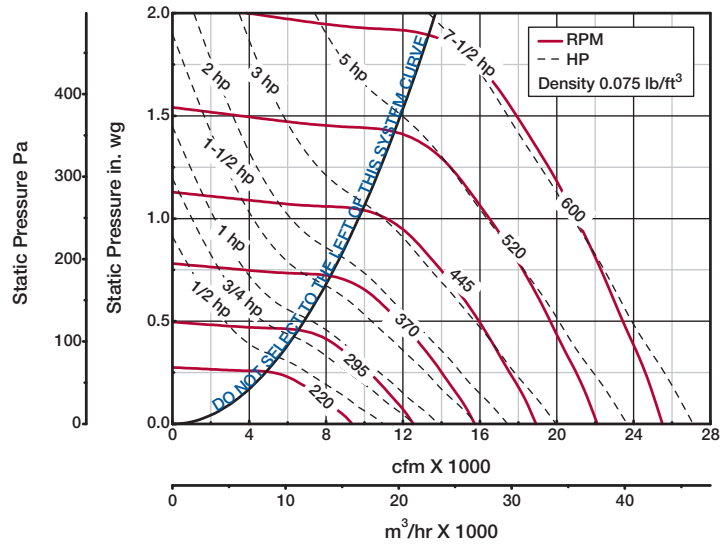
Performance certified is for installation type A: Free inlet, Free outlet. Power rating (BHP) does not include transmission losses. Performance ratings do not include the effects of appurtenances (accessories). The sound ratings shown are loudness values in fan sones at 5 ft. (1.5 m) in a hemispherical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

CUBE-420 - Belt Drive



Damper Size = 42 x 42 (1067 x 1067)
 Roof Opening = 44 1/2 x 44 1/2 (1130 x 1130)
 Windband Thickness = 0.080 (2.0)
 Motor Cover Thickness = 0.064 (1.6)
 Curb Cap Thickness = 0.100 (2.5)
 ^Approximate Unit Weight = 578 lb. (262 kg)

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

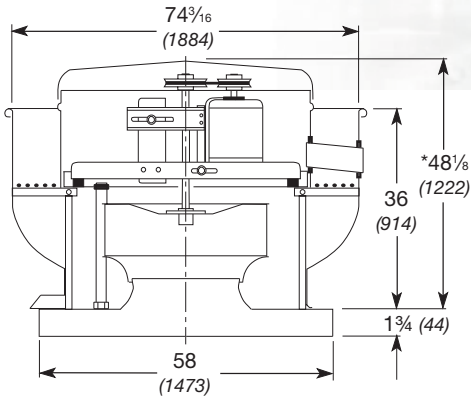


Model Number	Motor HP	Fan RPM		CFM / Static Pressure in Inches wg													
				0	0.125	0.25	0.375	0.5	0.75	1	1.25	1.5	1.75				
CUBE-420-5	1/2	220	CFM	9353	7846	5075											
			BHP	0.31	0.37	0.35											
			Sones	6.5	6.0	5.5											
		245	CFM	10416	9104	7304											
			BHP	0.43	0.50	0.53											
			Sones	7.2	6.7	6.1											
CUBE-420-7	3/4	280	CFM	11904	10785	9418	7419										
			BHP	0.64	0.73	0.78	0.77										
			Sones	8.3	7.7	7.1	6.6										
CUBE-420-10	1	305	CFM	12966	11959	10781	9272										
			BHP	0.82	0.94	1.00	1.02										
			Sones	9.4	8.8	8.0	7.3										
CUBE-420-15	1 1/2	350	CFM	14879	14037	13050	11925	10562									
			BHP	1.24	1.38	1.46	1.52	1.54									
			Sones	11.9	11.2	10.1	9.4	8.6									
CUBE-420-20	2	385	CFM	16367	15629	14731	13791	12701	9246								
			BHP	1.65	1.81	1.91	1.99	2.05	1.92								
			Sones	14.4	13.5	12.4	11.7	10.7	8.5								
CUBE-420-30	3	415	CFM	17643	16982	16148	15303	14363	12028								
			BHP	2.07	2.24	2.37	2.45	2.53	2.56								
			Sones	17.2	16.1	14.9	13.8	13.0	10.9								
		440	CFM	18706	18103	17316	16532	15691	13652	10151							
			BHP	2.47	2.65	2.81	2.89	2.98	3.07	2.82							
			Sones	17.7	17.1	16.0	14.7	14.6	12.8	10.6							
CUBE-420-50	5	525	CFM	22319	21817	21220	20560	19904	18497	16795	14802						
			BHP	4.19	4.41	4.61	4.78	4.88	5.10	5.20	5.16						
			Sones	23	22	22	21	20	19.1	18.1	17.6						
CUBE-420-75	7 1/2	565	CFM	24020	23553	23030	22417	21806	20544	19112	17437	15398					
			BHP	5.23	5.46	5.68	5.88	6.02	6.25	6.43	6.5	6.38					
			Sones	26	25	25	25	24	23	21	21	21					
		600	CFM	25508	25069	24604	24027	23451	22295	21023	19561	17884	15479				
			BHP	6.26	6.51	6.75	6.96	7.15	7.38	7.63	7.75	7.77	7.47				
			Sones	29	29	29	28	28	27	25	24	24	24				

MAXIMUM BHP AT A GIVEN RPM = (RPM/303)³
 MAXIMUM RPM = 600
 TIP SPEED (ft/min.) = RPM x 11.06
 MAXIMUM MOTOR FRAME SIZE = 213T
 AVERAGE DISCHARGE VELOCITY (FPM) = CFM/8.99

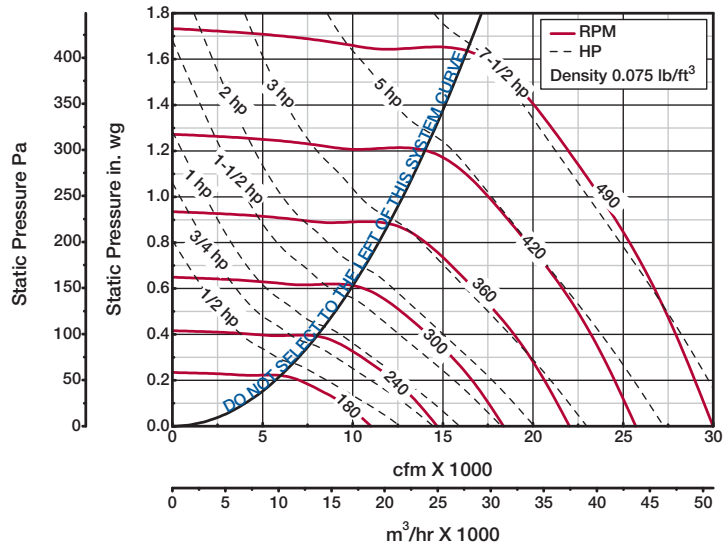
Performance certified is for installation type A: Free inlet, Free outlet. Power rating (BHP) does not include transmission losses. Performance ratings do not include the effects of appurtenances (accessories). The sound ratings shown are loudness values in fan sones at 5 ft. (1.5 m) in a hemispherical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

CUBE-480 - Belt Drive



Damper Size = 48 x 48 (1219 x 1219)
 Roof Opening = 50 1/2 x 50 1/2 (1283 x 1283)
 Windband Thickness = 0.080 (2.0)
 Motor Cover Thickness = 0.064 (1.6)
 Curb Cap Thickness = 0.100 (2.5)
 ^Approximate Unit Weight = 675 lb. (306 kg)

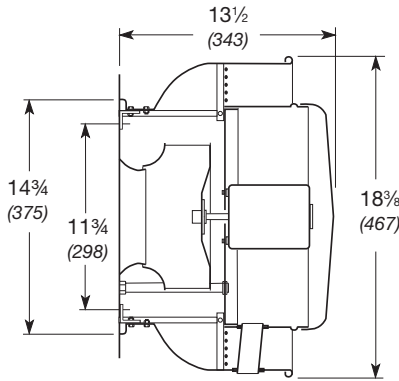
All dimensions in inches (millimeters).
 *May be greater depending on motor.
 ^Weight shown is largest cataloged Open Drip-Proof motor.



Model Number	Motor HP	Fan RPM	CFM / Static Pressure in Inches wg																			
			0	0.125	0.25	0.375	0.5	0.625	0.75	1	1.25	1.5										
CUBE-480-5	1/2	180	CFM	11016	8924																	
			BHP	0.33	0.39																	
			Sones	5.5	4.9																	
		200	CFM	12240	10490	7688																
			BHP	0.45	0.53	0.52																
			Sones	6.3	5.8	5.3																
CUBE-480-7	3/4	225	CFM	13770	12261	10132																
			BHP	0.65	0.73	0.76																
			Sones	7.5	7.0	6.6																
CUBE-480-10	1	250	CFM	15300	13988	12248	9988															
			BHP	0.88	0.98	1.04	1.03															
			Sones	9.0	8.5	8.2	7.9															
CUBE-480-15	1 1/2	285	CFM	17442	16332	14991	13240	11154														
			BHP	1.31	1.43	1.52	1.55	1.52														
			Sones	11.1	10.6	10.0	9.6	9.2														
CUBE-480-20	2	315	CFM	19278	18274	17116	15719	14033	11996													
			BHP	1.77	1.9	2.01	2.08	2.09	2.03													
			Sones	12.9	12.5	11.8	11.3	10.4	10.2													
CUBE-480-30	3	360	CFM	22032	21153	20222	19142	17848	16410	14749												
			BHP	2.64	2.79	2.93	3.05	3.10	3.12	3.08												
			Sones	16.8	16.5	16.1	15.3	14.7	13.7	12.7												
CUBE-480-50	5	395	CFM	24174	23373	22572	21605	20621	19343	18035	14722											
			BHP	3.49	3.65	3.81	3.94	4.07	4.11	4.13	3.97											
			Sones	21	20	20	19.2	18.5	17.6	16.6	14.9											
		425	CFM	26010	25266	24521	23679	22764	21766	20556	17922											
			BHP	4.35	4.52	4.69	4.85	4.98	5.09	5.12	5.09											
			Sones	22	21	21	20	19.4	18.7	17.7	15.6											
CUBE-480-75	7 1/2	460	CFM	28152	27464	26776	26064	25219	24373	23399	21163	18582										
			BHP	5.51	5.7	5.89	6.07	6.22	6.37	6.46	6.52	6.42										
			Sones	25	24	24	23	22	22	21	18.5	18.7										
		490	CFM	29988	29342	28697	28051	27291	26497	25704	23674	21437	18846									
			BHP	6.66	6.86	7.06	7.26	7.43	7.59	7.75	7.85	7.84	7.67									
			Sones	28	27	27	26	25	25	24	22	20	24									

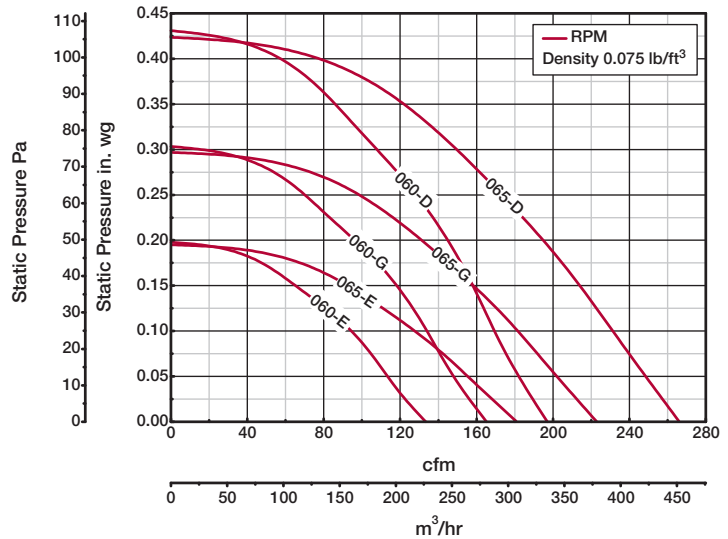
Performance certified is for installation type A: Free inlet, Free outlet. Power rating (BHP) does not include transmission losses. Performance ratings do not include the effects of appurtenances (accessories). The sound ratings shown are loudness values in fan sones at 5 ft. (1.5 m) in a hemispherical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

CW-060 and 065 - Direct Drive



Damper Size = 8 x 8 (203 x 203)
 Damper Frame Size = 10 x 10 (254 x 254)
 Wall Opening = 8 1/2 x 8 1/2 (216 x 216)
 ^Approximate Unit Weight = 26 lb. (12 kg)

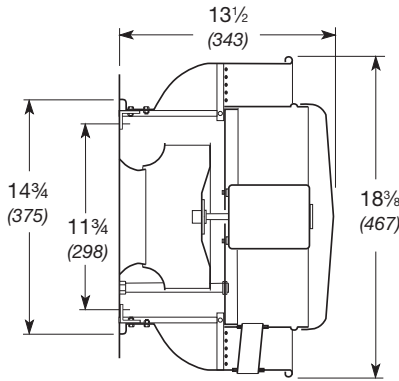
All dimensions in inches (millimeters).
 ^Weight shown is largest cataloged Open Drip-Proof motor.



Model Number	Motor HP	Fan RPM		CFM / Static Pressure in Inches wg										
				0	0.05	0.1	0.125	0.15	0.2	0.25	0.3	0.35	0.375	
CW-060-E	1/200	1050	CFM	133	113	94	81	65						
			BHP	0.01	0.01	0.01	0.01	0.01						
			Sones	1.7	1.7	1.7	1.7	1.7						
CW-060-G	1/100	1300	CFM	165	148	134	126	117	96	70				
			BHP	0.01	0.01	0.01	0.01	0.01	0.01	0.01				
			Sones	2.8	2.6	2.5	2.5	2.5	2.5	2.5				
CW-060-D	1/60	1550	CFM	197	183	169	164	158	143	128	107	85		
			BHP	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	
			Sones	4.2	3.9	3.9	3.9	3.9	4.0	4.0	4.0	4.0		
CW-065-E	1/100	1050	CFM	180	154	126	109	89						
			BHP	0.01	0.01	0.01	0.01	0.01						
			Sones	2.2	2.0	1.9	2.0	2.2						
CW-065-G	1/60	1300	CFM	223	202	181	170	158	129	97				
			BHP	0.02	0.02	0.02	0.02	0.02	0.02	0.02				
			Sones	3.2	3.2	3.1	3.1	3.0	3.0	2.9				
CW-065-D	1/30	1550	CFM	266	249	231	222	214	194	172	145	119	95	
			BHP	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	
			Sones	4.7	4.2	4.2	4.2	4.2	4.1	4.1	4.0	4.0	3.9	

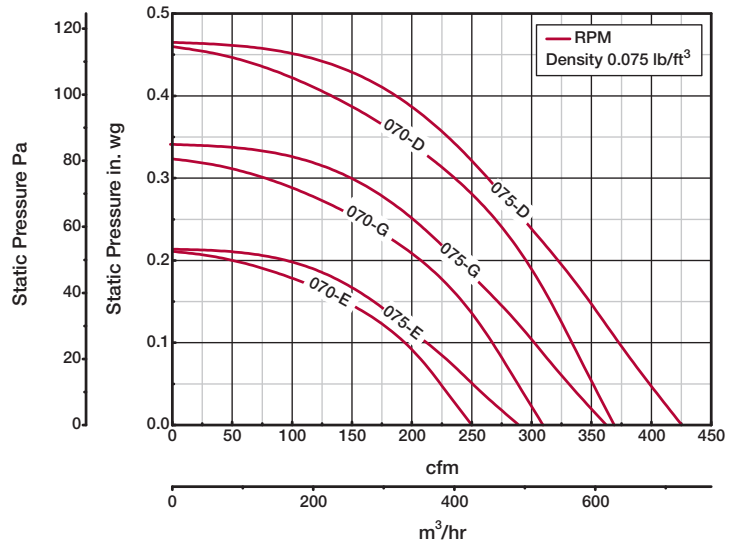
Performance certified is for installation type A: Free inlet, Free outlet. Performance ratings do not include the effects of appurtenances (accessories). The sound ratings shown are loudness values in fan sones at 5 ft. (1.5 m) in a hemispherical free field calculated per AMCA Standard 301. Values shown are for installation type A: Free inlet fan sone levels. The AMCA Certified Ratings Seal applies to sone ratings only.

CW-070 and 075 - Direct Drive



Damper Size = 8 x 8 (203 x 203)
 Damper Frame Size = 10 x 10 (254 x 254)
 Wall Opening = 8 1/2 x 8 1/2 (216 x 216)
 ^Approximate Unit Weight = 26 lb. (12 kg)

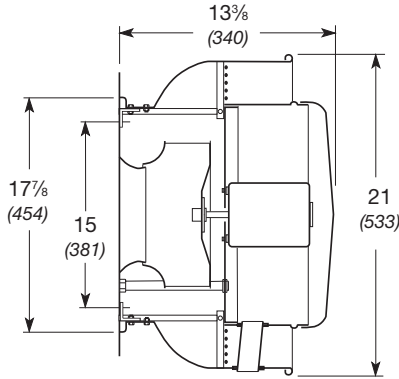
All dimensions in inches (millimeters).
 ^Weight shown is largest cataloged Open Drip-Proof motor.



Model Number	Motor HP	Fan RPM		CFM / Static Pressure in Inches wg										
				0	0.05	0.1	0.125	0.15	0.2	0.25	0.3	0.35	0.375	
CW-070-E	1/100	1050	CFM	250	224	193	171	143						
			BHP	0.01	0.01	0.01	0.01	0.01						
			Sones	2.6	2.1	1.6	1.4	1.2						
CW-070-G	1/60	1300	CFM	309	288	267	255	241	205	152				
			BHP	0.01	0.01	0.02	0.02	0.02	0.02	0.01				
			Sones	4.0	3.7	3.4	3.3	3.1	2.8	2.4				
CW-070-D	1/30	1550	CFM	369	351	333	325	316	293	269	234	187	160	
			BHP	0.02	0.02	0.03	0.03	0.03	0.03	0.03	0.03	0.02	0.02	
			Sones	5.5	5.4	5.2	5.1	5.1	4.9	4.7	4.4	4.1	3.9	
CW-075-E	1/80	1050	CFM	287	249	210	188	165						
			BHP	0.01	0.01	0.01	0.01	0.01						
			Sones	3.4	3.0	2.8	2.7	2.6						
CW-075-G	1/50	1300	CFM	356	324	294	279	262	227	185				
			BHP	0.02	0.02	0.02	0.02	0.02	0.02	0.02				
			Sones	4.0	3.8	3.7	3.7	3.7	3.6	3.4				
CW-075-D	1/25	1550	CFM	424	398	372	359	347	320	291	261	225	204	
			BHP	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	
			Sones	6.0	5.7	5.4	5.3	5.1	5.0	4.9	4.8	4.8	4.8	

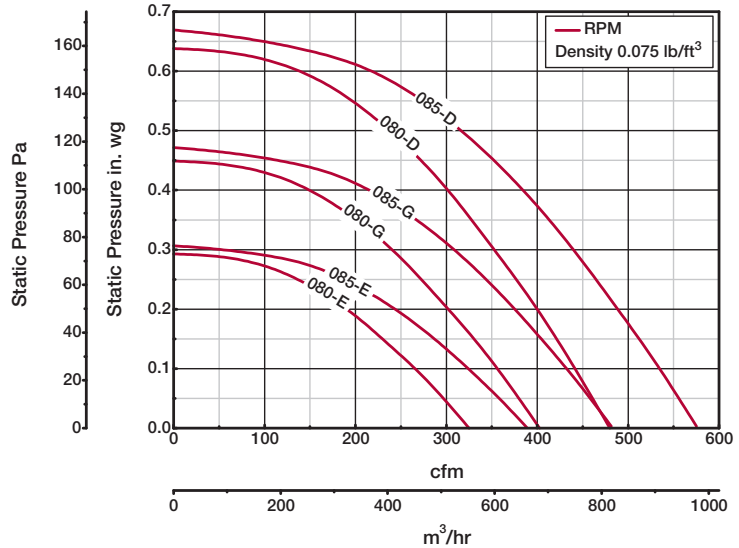
Performance certified is for installation type A: Free inlet, Free outlet. Performance ratings do not include the effects of appurtenances (accessories). The sound ratings shown are loudness values in fan sones at 5 ft. (1.5 m) in a hemispherical free field calculated per AMCA Standard 301. Values shown are for installation type A: Free inlet fan sone levels. The AMCA Certified Ratings Seal applies to sone ratings only.

CW-080 and 085 - Direct Drive



Damper Size = 10 x 10 (254 x 254)
 Damper Frame Size = 12 x 12 (305 x 305)
 Wall Opening = 10 1/2 x 10 1/2 (267 x 267)
 ^Approximate Unit Weight = 40 lb. (18 kg)

All dimensions in inches (millimeters).
 ^Weight shown is largest cataloged Open Drip-Proof motor.



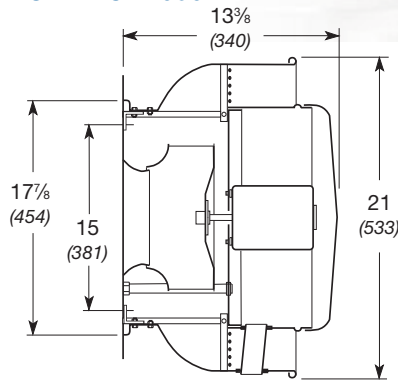
Model Number	Motor HP	Fan RPM		CFM / Static Pressure in Inches wg										
				0	0.1	0.125	0.15	0.2	0.25	0.3	0.375	0.5	0.625	
CW-080-E	1/40	1050	CFM	325	265	247	230	189	133					
			BHP	0.01	0.01	0.02	0.02	0.02	0.02					
			Sones	3.8	3.7	3.6	3.7	3.9	4.2					
CW-080-G	1/30	1300	CFM	403	356	343	330	302	272	239	173			
			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			
CW-080-D	1/20	1550	CFM	480	441	431	421	400	376	352	314	235		
			BHP	0.04	0.04	0.04	0.04	0.05	0.05	0.05	0.05	0.05		
			Sones	7.3	7.3	7.3	7.3	7.3	7.2	7.3	7.3	7.6		
CW-085-E	1/40	1050	CFM	389	323	305	286	242	182					
			BHP	0.01	0.02	0.02	0.02	0.02	0.02					
			Sones	4.0	3.9	3.9	3.9	4.1	4.3					
CW-085-G	1/30	1300	CFM	481	430	416	402	373	340	305	235			
			BHP	0.02	0.03	0.03	0.03	0.03	0.03	0.04	0.04			
			Sones	5.4	5.3	5.3	5.3	5.3	5.3	5.4	5.5			
CW-085-D	1/20	1550	CFM	574	532	520	509	486	461	437	395	312	161	
			BHP	0.04	0.04	0.05	0.05	0.05	0.05	0.06	0.06	0.06	0.05	
			Sones	7.5	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.6	8.1	

Performance certified is for installation type A: Free inlet, Free outlet. Performance ratings do not include the effects of appurtenances (accessories). The sound ratings shown are loudness values in fan 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 fan sone levels. The AMCA Certified Ratings Seal applies to sone ratings only.

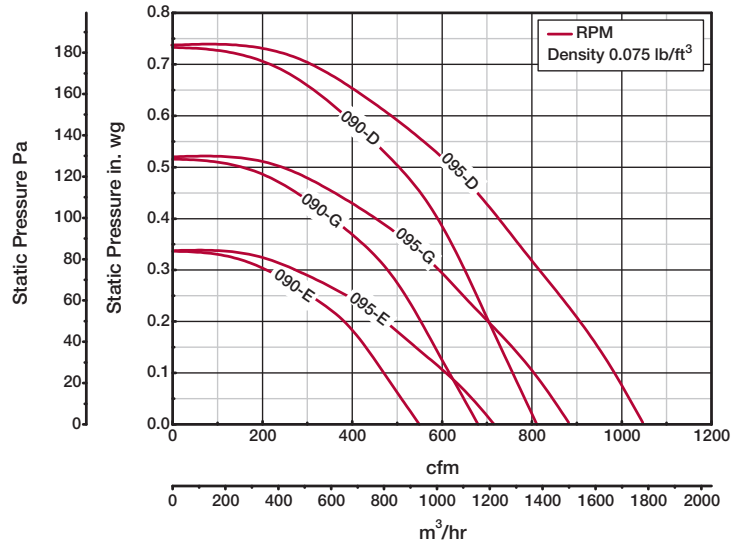
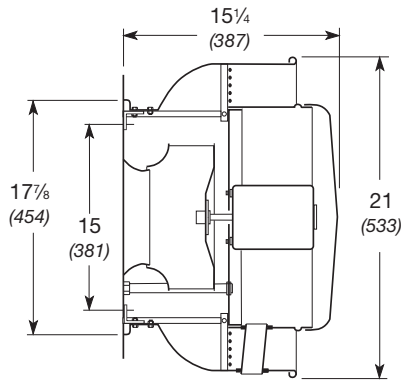
CW-090 and 095 - Direct Drive



MODEL CW-090



MODEL CW-095



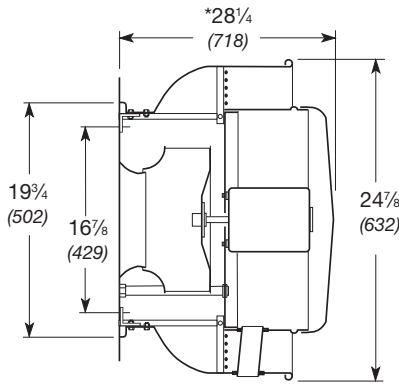
Damper Size = 10 x 10 (254 x 254)
 Damper Frame Size = 12 x 12 (305 x 305)
 Wall Opening = 10½ x 10½ (267 x 267)
 ^Approximate Unit Weight = 40 lb. (18 kg)

All dimensions in inches (millimeters).
 ^Weight shown is largest cataloged Open Drip-Proof motor.

Model Number	Motor HP	Fan RPM		CFM / Static Pressure in Inches wg										
				0	0.1	0.125	0.15	0.2	0.25	0.3	0.375	0.5	0.625	
CW-090-E	1/40	1050	CFM	549	470	451	429	381	306	204				
			BHP	0.02	0.02	0.02	0.03	0.03	0.03	0.03				
			Sones	4.1	3.9	3.9	3.9	4.0	4.2	4.5				
CW-090-G	1/25	1300	CFM	680	616	600	584	553	517	479	391			
			BHP	0.04	0.04	0.04	0.04	0.05	0.05	0.05	0.05			
			Sones	5.5	5.4	5.4	5.4	5.4	5.4	5.5	5.6			
CW-090-D	1/15	1550	CFM	811	757	744	731	704	677	651	604	501	347	
			BHP	0.06	0.07	0.07	0.07	0.07	0.08	0.08	0.08	0.09	0.08	
			Sones	7.8	7.6	7.6	7.5	7.5	7.5	7.5	7.4	7.4	7.8	
CW-095-E	1/30	1050	CFM	711	603	570	536	468	381	265				
			BHP	0.03	0.04	0.04	0.04	0.04	0.04	0.03				
			Sones	5.3	4.5	4.5	4.5	4.4	4.5	4.6				
CW-095-G	1/12	1300	CFM	880	797	774	750	696	641	587	484	199		
			BHP	0.06	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.05		
			Sones	7.5	6.8	6.7	6.6	6.5	6.4	6.4	6.4	6.8		
CW-095-D	1/8	1550	CFM	1049	983	964	944	905	861	816	747	616	442	
			BHP	0.10	0.11	0.11	0.11	0.11	0.12	0.12	0.12	0.12	0.11	
			Sones	9.6	9.3	9.3	9.2	8.8	8.5	8.4	8.3	8.1	7.8	

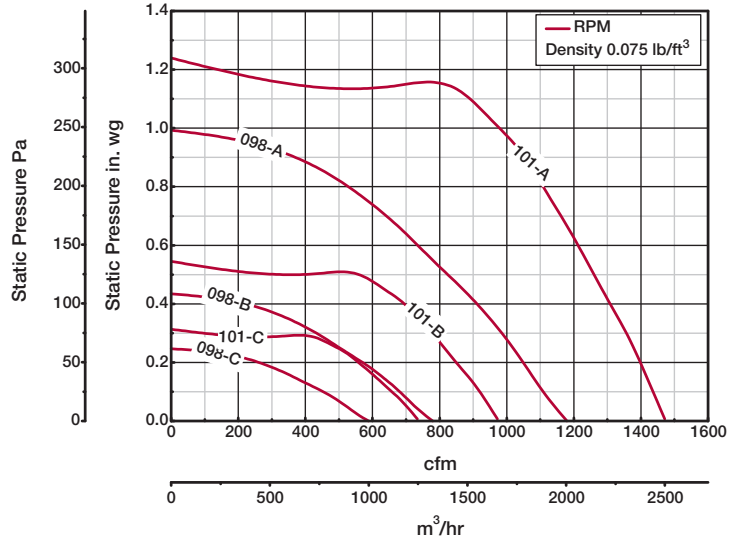
Performance certified is for installation type A: Free inlet, Free outlet. Performance ratings do not include the effects of appurtenances (accessories). The sound ratings shown are loudness values in fan sones at 5 ft. (1.5 m) in a hemispherical free field calculated per AMCA Standard 301. Values shown are for installation type A: Free inlet fan sone levels. The AMCA Certified Ratings Seal applies to sone ratings only.

CW-098 and 101 - Direct Drive



Damper Size = 12 x 12 (305 x 305)
 Damper Frame Size = 14 x 14 (356 x 356)
 Wall Opening = 12½ x 12½ (318 x 318)
 ^Approximate Unit Weight = 53 lb. (24 kg)

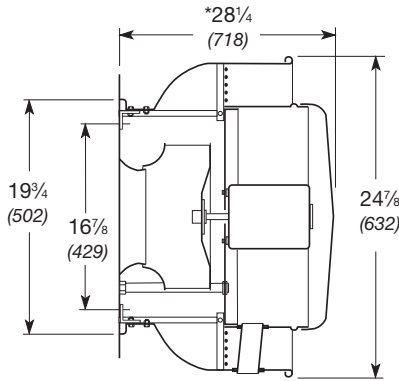
All dimensions in inches (millimeters).
 *May be greater depending on motor.
 ^Weight shown is largest cataloged Open Drip-Proof motor.



Model Number	Motor HP	Fan RPM		CFM / Static Pressure in Inches wg										
				0	0.1	0.125	0.25	0.3	0.375	0.5	0.625	0.75	1	
CW-098-C	1/8	860	CFM	588	453	409	MAXIMUM MOTOR FRAME SIZE = 56							
			BHP	0.02	0.02	0.02								
			Sones	8.4	8.5	8.7								
CW-098-B	1/6	1140	CFM	780	682	656	502	431	294					
			BHP	0.05	0.05	0.06	0.06	0.06	0.06					
			Sones	9.1	8.7	8.7	8.3	8.1	7.9					
CW-098-A	1/4	1725	CFM	1180	1109	1094	1017	984	929	824	712	586		
			BHP	0.18	0.18	0.18	0.18	0.19	0.20	0.20	0.20	0.20		
			Sones	13.8	13.5	13.4	13	12.9	12.7	12.2	12.1	12.3		
CW-101-C	1/8	860	CFM	732	649	625	481							
			BHP	0.03	0.03	0.04	0.04							
			Sones	4.6	8.5	11.7	111							
CW-101-B	1/6	1140	CFM	970	913	897	806	768	707					
			BHP	0.07	0.08	0.08	0.08	0.09	0.09					
			Sones	7.2	7.0	7.0	6.5	6.2	6.0					
CW-101-A	1/4	1725	CFM	1468	1431	1422	1373	1350	1315	1255	1195	1129	970	
			BHP	0.24	0.25	0.26	0.27	0.27	0.28	0.29	0.29	0.29	0.29	
			Sones	13.3	12.9	12.9	12.5	12.3	12.0	11.7	11.3	10.8	9.7	

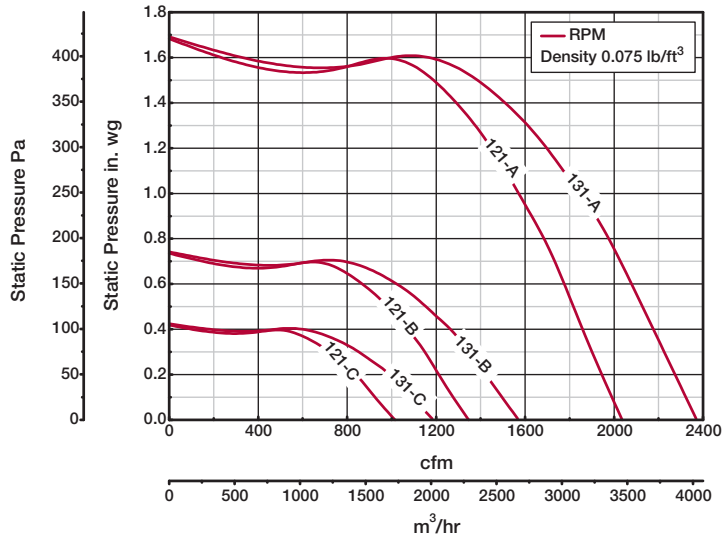
Performance certified is for installation type A: Free inlet, Free outlet. Performance ratings do not include the effects of appurtenances (accessories). The sound ratings shown are loudness values in fan sones at 5 ft. (1.5 m) in a hemispherical free field calculated per AMCA Standard 301. Values shown are for installation type A: Free inlet fan sone levels. The AMCA Certified Ratings Seal applies to sone ratings only.

CW-121 and 131 - Direct Drive



Damper Size = 12 x 12 (305 x 305)
 Damper Frame Size = 14 x 14 (356 x 356)
 Wall Opening = 12½ x 12½ (318 x 318)
 ^Approximate Unit Weight = 53 lb. (24 kg)

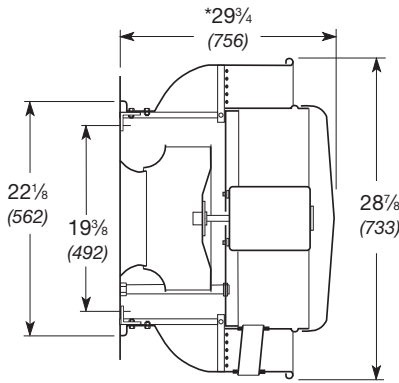
All dimensions in inches (millimeters).
 *May be greater depending on motor.
 ^Weight shown is largest cataloged Open Drip-Proof motor.



Model Number	Motor HP	Fan RPM		CFM / Static Pressure in Inches wg															
				0	0.125	0.25	0.375	0.5	0.625	0.75	1	1.25	1.5						
CW-121-C	1/8	860	CFM	1015	905	781	581	MAXIMUM MOTOR FRAME SIZE = 56											
			BHP	0.05	0.05	0.06	0.06												
			Sones	5.3	5.7	5.6	5.7												
CW-121-B	1/6	1140	CFM	1346	1261	1180	1091	981	833										
			BHP	0.11	0.12	0.13	0.13	0.14	0.14										
			Sones	7.4	7.9	8.2	8.2	8.0	8.1										
CW-121-A	1/2	1725	CFM	2037	1979	1923	1869	1816	1763	1710	1571	1406	1176						
			BHP	0.39	0.40	0.41	0.43	0.44	0.45	0.46	0.47	0.48	0.46						
			Sones	15.6	16.1	16.7	17.3	17.9	18.2	18.4	18.7	18.6	18.4						
CW-131-C	1/8	860	CFM	1180	1057	914	675												
			BHP	0.06	0.07	0.07	0.07												
			Sones	8.5	8.3	7.7	6.9												
CW-131-B	1/6	1140	CFM	1564	1471	1379	1280	1144	964										
			BHP	0.14	0.15	0.16	0.17	0.17	0.17										
			Sones	12.5	12.2	11.8	11.2	10.3	9.7										
CW-131-A	3/4	1725	CFM	2366	2305	2244	2183	2122	2061	1994	1838	1646	1365						
			BHP	0.50	0.51	0.53	0.54	0.56	0.57	0.58	0.60	0.60	0.57						
			Sones	18.8	18.6	18.4	18.2	18.0	17.6	17.2	16.4	15.3	14.1						

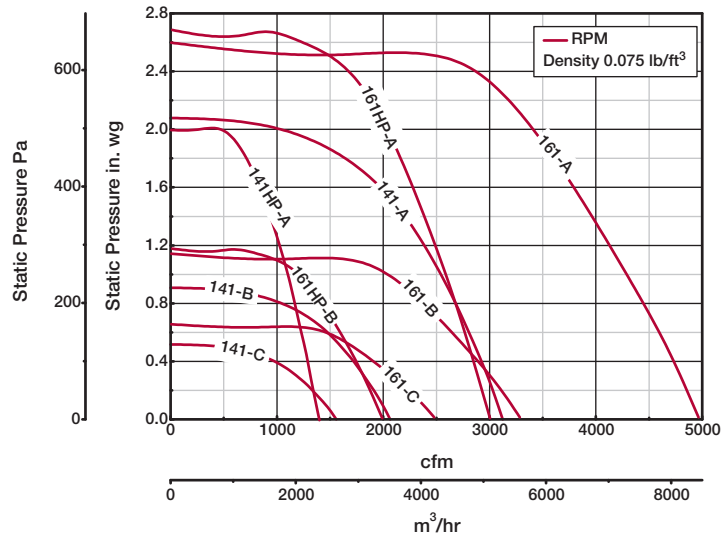
Performance certified is for installation type A: Free inlet, Free outlet. Performance ratings do not include the effects of appurtenances (accessories). The sound ratings shown are loudness values in fan sones at 5 ft. (1.5 m) in a hemispherical free field calculated per AMCA Standard 301. Values shown are for installation type A: Free inlet fan sone levels. The AMCA Certified Ratings Seal applies to sone ratings only.

CW-141, 141HP, 161 and 161HP - Direct Drive



Damper Size = 15 x 15 (381 x 381)
 Damper Frame Size = 17 x 17 (432 x 432)
 Wall Opening = 15 1/2 x 15 1/2 (394 x 394)
 ^Approximate Unit Weight = 90 lb. (41 kg)

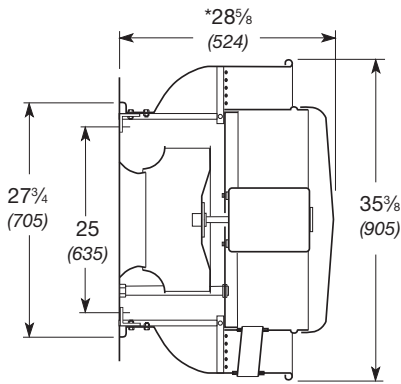
All dimensions in inches (millimeters).
 *May be greater depending on motor.
 ^Weight shown is largest cataloged Open Drip-Proof motor.



Model Number	Motor HP	Fan RPM		CFM / Static Pressure in Inches wg												
				0	0.25	0.5	0.75	1	1.25	1.5	1.75	2	2.25			
CW-141-C	1/8	860	CFM	1558	1264											
			BHP	0.11	0.12											
			Sones	7.3	7.1											
CW-141-B	1/4	1140	CFM	2065	1864	1605	1167									
			BHP	0.25	0.27	0.29	0.27									
			Sones	11.3	11.0	10.3	10.0									
CW-141-A	1	1725	CFM	3125	3005	2865	2711	2539	2339	2085	1704					
			BHP	0.87	0.90	0.94	0.97	0.99	1.00	0.98	0.91					
			Sones	26	22	24	15.1	13.4	14.3	13.8	13.8					
CW-141HP-A	1/2	1725	CFM	1394	1324	1256	1178	1098	999	879	747					
			BHP	0.34	0.36	0.38	0.40	0.42	0.43	0.43	0.42					
			Sones	16.6	16.3	16.1	15.4	15.0	14.9	14.7	15.7					
CW-161-C	1/4	860	CFM	2472	2126	1680										
			BHP	0.22	0.25	0.24										
			Sones	10.7	9.9	9.5										
CW-161-B	1/2	1140	CFM	3277	3035	2745	2421	1983								
			BHP	0.51	0.57	0.58	0.57	0.55								
			Sones	15.7	14.8	14.1	13.5	13.2								
CW-161-A	2	1725	CFM	4959	4806	4646	4463	4269	4070	3855	3631	3381	3057			
			BHP	1.77	1.88	1.97	1.98	2.00	2.01	1.99	1.97	1.96	1.92			
			Sones	30	29	28	27	27	27	26	26	25	25			
CW-161HP-B	1/3	1140	CFM	1976	1822	1645	1444	1175								
			BHP	0.26	0.28	0.31	0.32	0.32								
			Sones	13.5	12.8	12.5	11.9	11.1								
CW-161HP-A	1 1/2	1725	CFM	2990	2888	2787	2680	2560	2439	2310	2167	2003	1810			
			BHP	0.89	0.93	0.97	1.01	1.04	1.07	1.10	1.11	1.12	1.11			
			Sones	24	23	22	22	21	20	20	19.6	18.3	16.6			

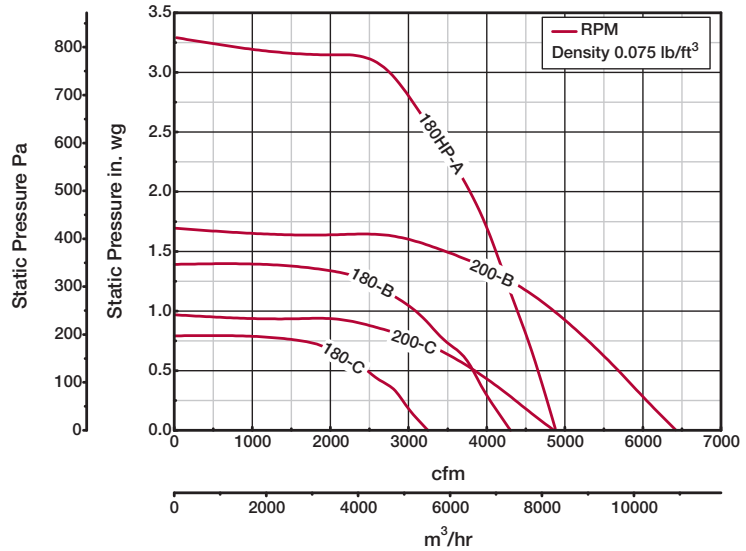
Performance certified is for installation type A: Free inlet, Free outlet. Performance ratings do not include the effects of appurtenances (accessories). The sound ratings shown are loudness values in fan sones at 5 ft. (1.5 m) in a hemispherical free field calculated per AMCA Standard 301. Values shown are for installation type A: Free inlet fan sone levels. The AMCA Certified Ratings Seal applies to sone ratings only.

CW-180, 180HP and 200 - Direct Drive



Damper Size = 17 x 17 (432 x 432)
 Damper Frame Size = 19 x 19 (483 x 483)
 Wall Opening = 17 1/2 x 17 1/2 (445 x 445)
 ^Approximate Unit Weight = 142 lb. (64 kg)

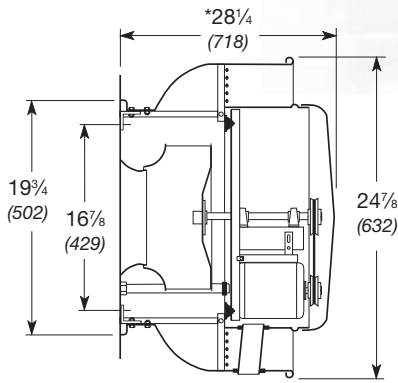
All dimensions in inches (millimeters).
 *May be greater depending on motor.
 ^Weight shown is largest cataloged Open Drip-Proof motor.



Model Number	Motor HP	Fan RPM		CFM / Static Pressure in Inches wg										
				0	0.25	0.5	0.75	1	1.25	1.5	2	2.5	3	
CW-180-C	1/2	860	CFM	3249	2922	2474	MAXIMUM MOTOR FRAME SIZE = 184T							
			BHP	0.34	0.39	0.40								
			Sones	12.3	11.1	10.2								
CW-180-B	1	1140	CFM	4307	4045	3822	3470	3072	2477					
			BHP	0.80	0.86	0.91	0.93	0.92	0.85					
			Sones	17.6	16.5	16.1	15.4	14.6	13.6					
CW-180HP-A	2	1725	CFM	4850	4732	4613	4493	4353	4215	4078	3740	3265	2695	
			BHP	1.77	1.84	1.92	1.99	2.06	2.12	2.18	2.23	2.25	2.16	
			Sones	30	29	28	27	26	26	25	24	23	21	
CW-200-C	3/4	860	CFM	4837	4346	3815	3084							
			BHP	0.71	0.74	0.75	0.73							
			Sones	15.7	14.6	12.9	11.9							
CW-200-B	2	1140	CFM	6412	6036	5674	5283	4837	4276	3445				
			BHP	1.65	1.70	1.74	1.74	1.74	1.73	1.63				
			Sones	24	23	22	21	20	19.2	19.9				

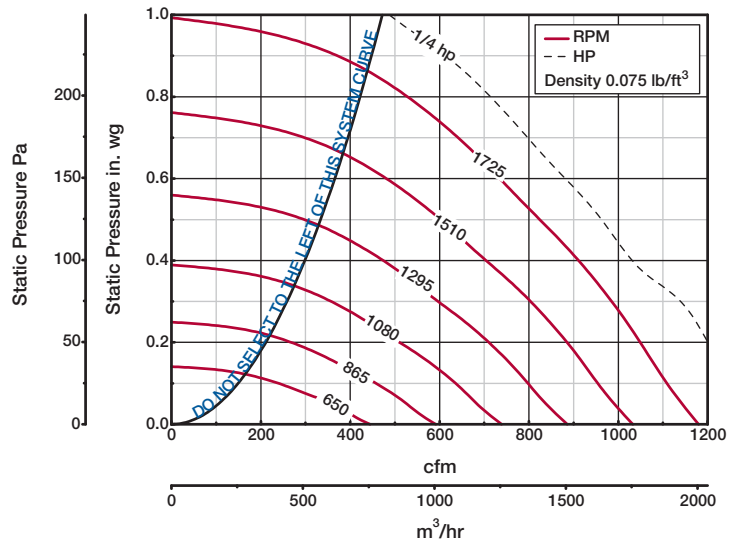
Performance certified for installation type A: Free inlet, Free outlet. Performance ratings do not include the effects of appurtenances (accessories). The sound ratings shown are loudness values in fan sones at 5 ft. (1.5 m) in a hemispherical free field calculated per AMCA Standard 301. Values shown are for installation type A: Free inlet fan sone levels. The AMCA Certified Ratings Seal applies to sone ratings only.

CWB-098 - Belt Drive



Damper Size = 12 x 12 (305 x 305)
 Damper Frame Size = 14 x 14 (356 x 356)
 Wall Opening = 12 1/2 x 12 1/2 (318 x 318)
 Windband Thickness = 0.051 (1.3)
 Motor Cover Thickness = 0.040 (1.0)
 ^Approximate Unit Weight = 58 lb. (26 kg)

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

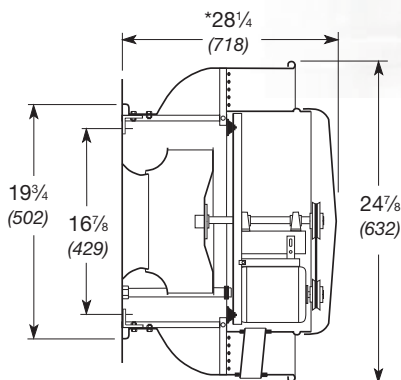


Model Number	Motor HP	Fan RPM	CFM / Static Pressure in Inches wg																							
			0	0.05	0.1	0.125	0.2	0.25	0.375	0.5	0.625	0.75														
CWB-098-4	1/4	650	CFM	445	357	239																				
			BHP	0.01	0.01	0.01																				
			Sones	8.1	8.5	9.9																				
		755	CFM	516	442	352	301																			
			BHP	0.02	0.02	0.02	0.02																			
			Sones	8.3	8.4	8.9	9.3																			
		860	CFM	588	523	453	409	258																		
			BHP	0.02	0.02	0.02	0.02	0.02																		
			Sones	8.4	8.4	8.5	8.7	9.1																		
		965	CFM	660	600	543	509	392	294																	
			BHP	0.03	0.03	0.03	0.04	0.04	0.04																	
			Sones	8.7	8.6	8.6	8.5	8.6	8.6																	
		1070	CFM	732	677	627	600	500	428																	
			BHP	0.04	0.04	0.04	0.05	0.05	0.05																	
			Sones	8.9	8.8	8.6	8.6	8.4	8.4																	
		1175	CFM	804	752	708	684	603	537	350																
			BHP	0.06	0.06	0.06	0.06	0.06	0.06	0.06																
			Sones	9.3	9.2	9.0	8.9	8.7	8.6	8.2																
		1280	CFM	875	828	787	766	696	642	488																
			BHP	0.07	0.07	0.07	0.07	0.08	0.08	0.08																
			Sones	10.2	10.1	9.9	9.8	9.7	9.5	9.3																
		1385	CFM	947	903	864	845	785	738	603	448															
			BHP	0.09	0.09	0.09	0.09	0.10	0.10	0.10	0.10															
			Sones	11.2	11.1	10.9	10.8	10.7	10.6	10.4	10.3															
1490	CFM	1019	978	940	923	868	829	710	578	409																
	BHP	0.12	0.12	0.12	0.12	0.12	0.13	0.13	0.13	0.13																
	Sones	12.3	12.2	11.9	12.0	11.8	11.8	11.5	11.5	11.6																
1595	CFM	1091	1053	1016	1000	950	914	813	692	560																
	BHP	0.14	0.14	0.14	0.14	0.14	0.15	0.16	0.16	0.16																
	Sones	13.2	13.1	12.8	12.8	12.5	12.5	12.3	12.1	12.2																
1725	CFM	1180	1144	1109	1094	1049	1017	929	824	712	586															
	BHP	0.18	0.18	0.18	0.18	0.18	0.18	0.20	0.20	0.20	0.20															
	Sones	13.8	13.6	13.5	13.4	13.1	13.0	12.7	12.2	12.1	12.3															

MAXIMUM BHP AT A GIVEN RPM = (RPM/3099)³
 MAXIMUM RPM = 1725
 TIP SPEED (ft/min.) = RPM x 2.846
 MAXIMUM MOTOR FRAME SIZE = 56
 AVERAGE DISCHARGE VELOCITY (FPM) = CFM/1.28

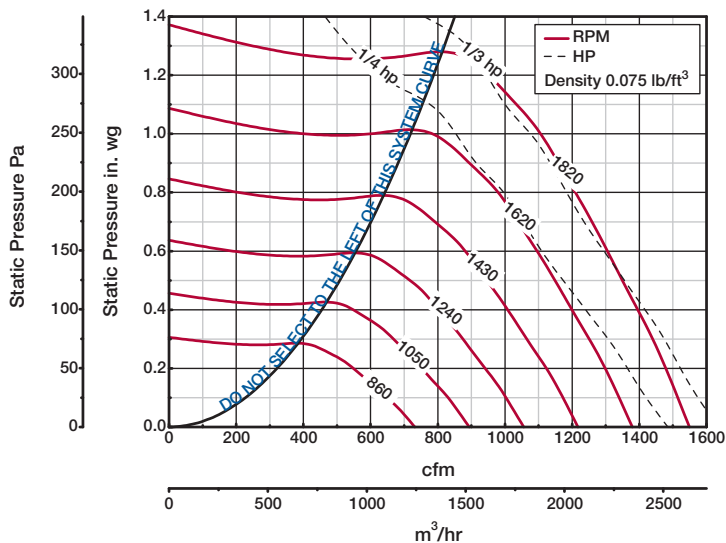
Performance certified is for installation type A: Free inlet, Free outlet. Power rating (BHP) does not include transmission losses. Performance ratings do not include the effects of appurtenances (accessories). The sound ratings shown are loudness values in fan sones at 5 ft. (1.5 m) in a hemispherical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

CWB-101 - Belt Drive



Damper Size = 12 x 12 (305 x 305)
 Damper Frame Size = 14 x 14 (356 x 356)
 Wall Opening = 12½ x 12½ (318 x 318)
 Windband Thickness = 0.051 (1.3)
 Motor Cover Thickness = 0.040 (1.0)
 ^Approximate Unit Weight = 58 lb. (26 kg)

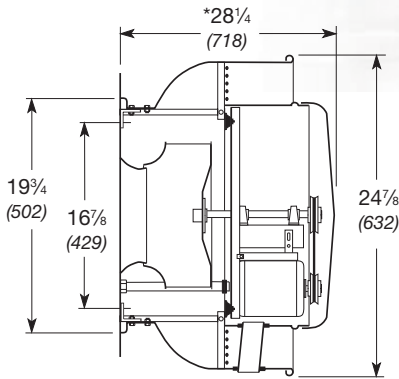
All dimensions in inches (millimeters).
 *May be greater depending on motor.
 ^Weight shown is largest cataloged Open Drip-Proof motor.



Model Number	Motor HP	Fan RPM	CFM / Static Pressure in Inches wg																
			0	0.125	0.25	0.375	0.5	0.625	0.75	0.875	1	1.25							
CWB-101-4	1/4	860	CFM	732	625	481													
			BHP	0.03	0.04	0.04													
			Sones	4.6	2.4	0.6													
		958	CFM	815	722	609													
			BHP	0.04	0.05	0.05													
			Sones	5.5	4.5	3.3													
		1056	CFM	899	817	718	593												
			BHP	0.06	0.06	0.07	0.07												
			Sones	6.6	6.3	5.7	5.4												
		1154	CFM	982	910	821	724	574											
			BHP	0.07	0.08	0.09	0.09	0.08											
			Sones	7.3	7.1	6.6	6.1	5.8											
		1252	CFM	1066	1000	920	834	732											
			BHP	0.09	0.10	0.11	0.11	0.11											
			Sones	8.0	8.0	7.6	6.9	6.5											
		1350	CFM	1149	1089	1016	940	856	745										
			BHP	0.12	0.13	0.13	0.14	0.14	0.14										
			Sones	8.9	8.9	8.6	8.1	7.5	7.0										
1448	CFM	1233	1176	1112	1040	966	886	763											
	BHP	0.14	0.15	0.16	0.17	0.17	0.17	0.17											
	Sones	10.3	10.2	9.9	9.5	9.0	8.3	8.0											
1546	CFM	1316	1264	1206	1139	1072	999	915	820										
	BHP	0.17	0.19	0.2	0.20	0.21	0.21	0.21	0.21										
	Sones	11.8	11.5	11.3	10.9	10.5	9.8	9.3	9.0										
1660	CFM	1413	1365	1313	1251	1189	1125	1056	974	861									
	BHP	0.22	0.23	0.24	0.25	0.26	0.26	0.26	0.26	0.25									
	Sones	12.7	12.3	12.0	11.6	11.3	10.8	10.2	9.6	9.4									
CWB-101-3	1/3	1740	CFM	1481	1435	1386	1329	1270	1210	1146	1093	991							
			BHP	0.25	0.26	0.27	0.28	0.29	0.30	0.30	0.30	0.30							
			Sones	13.4	13.0	12.6	12.1	11.8	11.4	10.9	10.5	9.7							
		1820	CFM	1549	1505	1459	1406	1350	1293	1234	1184	1106	900						
			BHP	0.28	0.30	0.31	0.32	0.33	0.34	0.35	0.35	0.35	0.33						
			Sones	14.3	13.7	13.4	12.7	12.4	12.0	11.6	11.3	10.6	10.1						

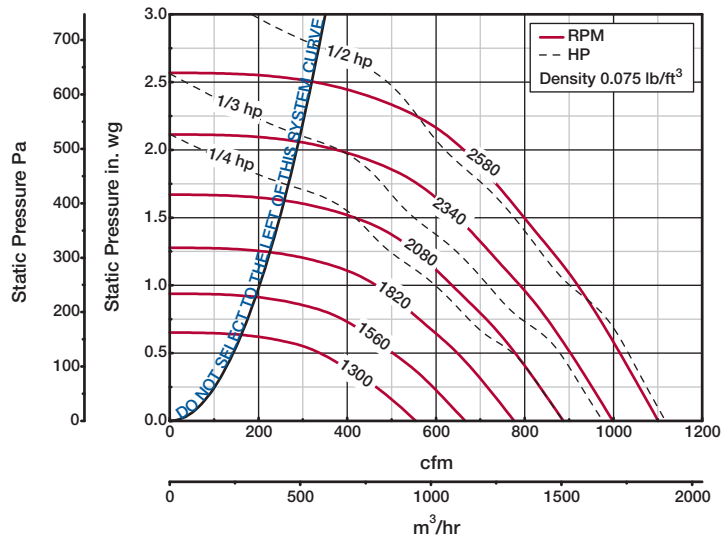
Performance certified is for installation type A: Free inlet, Free outlet. Power rating (BHP) does not include transmission losses. Performance ratings do not include the effects of appurtenances (accessories). The sound ratings shown are loudness values in fan sones at 5 ft. (1.5 m) in a hemispherical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

CWB-101HP - Belt Drive



Damper Size = 12 x 12 (305 x 305)
 Damper Frame Size = 14 x 14 (356 x 356)
 Wall Opening = 12 1/2 x 12 1/2 (318 x 318)
 Windband Thickness = 0.051 (1.3)
 Motor Cover Thickness = 0.040 (1.0)
 ^Approximate Unit Weight = 58 lb. (26 kg)

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

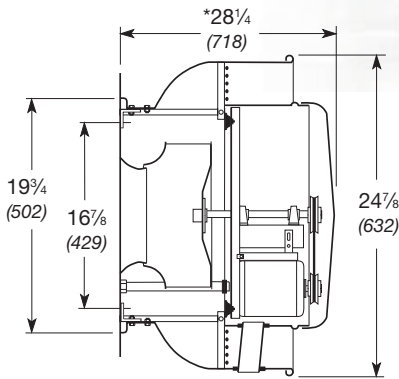


Model Number	Motor HP	Fan RPM	CFM / Static Pressure in Inches wg															
			0.5	0.625	0.75	1	1.25	1.5	1.75	2	2.25	2.5						
CWB-101HP-4	1/4	1300	CFM	335	182													
			BHP	0.07	0.06													
			Sones	6.0	6.3													
		1420	CFM	419	350	191												
			BHP	0.09	0.09	0.07												
			Sones	6.8	6.6	6.9												
		1540	CFM	491	438	371												
			BHP	0.11	0.11	0.11												
			Sones	7.8	7.5	7.3												
		1660	CFM	560	512	461	262											
			BHP	0.14	0.14	0.14	0.12											
			Sones	8.9	8.6	8.4	8.3											
1780	CFM	627	583	538	430													
	BHP	0.17	0.17	0.17	0.17													
	Sones	10.3	9.9	9.6	9.1													
1900	CFM	688	651	610	520	382												
	BHP	0.20	0.21	0.21	0.21	0.19												
	Sones	12.1	11.4	11.0	10.5	10.2												
2045	CFM	761	729	693	615	522	346											
	BHP	0.24	0.26	0.26	0.26	0.26	0.23											
	Sones	13.9	13.5	12.7	12.1	11.5	11.4											
CWB-101HP-3	1/3	2150	CFM	812	782	752	678	600	500									
			BHP	0.28	0.29	0.30	0.30	0.30	0.30									
			Sones	14.1	14.1	13.5	12.5	12.0	11.5									
		2250	CFM	860	832	804	737	665	579	456								
			BHP	0.32	0.33	0.34	0.35	0.35	0.35	0.32								
			Sones	14.4	14.4	14.2	13.2	12.5	11.9	11.6								
CWB-101HP-5	1/2	2415	CFM	938	914	887	831	765	697	614	498							
			BHP	0.39	0.39	0.41	0.43	0.43	0.43	0.43	0.40							
			Sones	15.1	15.0	15.0	14.5	13.7	12.9	12.2	12.0							
		2580	CFM	1014	992	969	919	861	799	735	655	550	323					
			BHP	0.48	0.48	0.49	0.52	0.53	0.53	0.53	0.53	0.49	0.43					
			Sones	16.8	16.4	16.0	15.7	15.1	14.4	13.7	13.2	12.9	12.5					

MAXIMUM BHP AT A GIVEN RPM = (RPM/3195)³
 MAXIMUM RPM = 2580
 TIP SPEED (ft./min.) = RPM x 2.913
 MAXIMUM MOTOR FRAME SIZE = 56
 AVERAGE DISCHARGE VELOCITY (FPM) = CFM/1.28

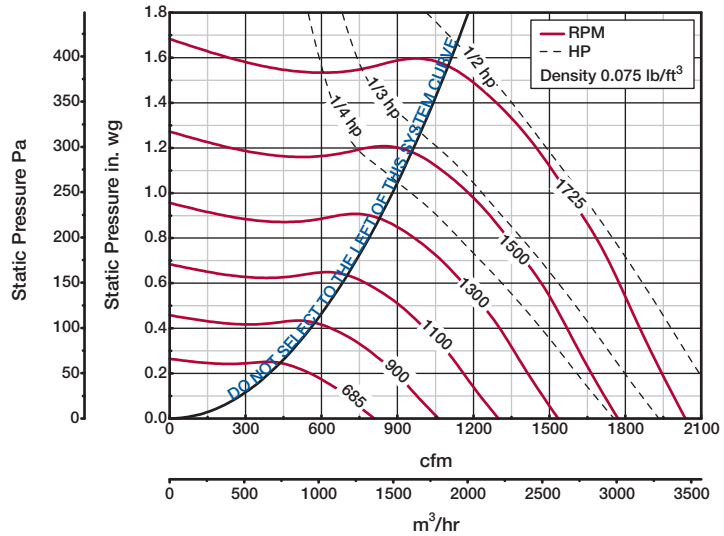
Performance certified is for installation type A: Free inlet, Free outlet. Power rating (BHP) does not include transmission losses. Performance ratings do not include the effects of appurtenances (accessories). The sound ratings shown are loudness values in fan sones at 5 ft. (1.5 m) in a hemispherical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

CWB-121 - Belt Drive



Damper Size = 12 x 12 (305 x 305)
 Damper Frame Size = 14 x 14 (356 x 356)
 Wall Opening = 12½ x 12½ (318 x 318)
 Windband Thickness = 0.051 (1.3)
 Motor Cover Thickness = 0.040 (1.0)
 ^Approximate Unit Weight = 66 lb. (30 kg)

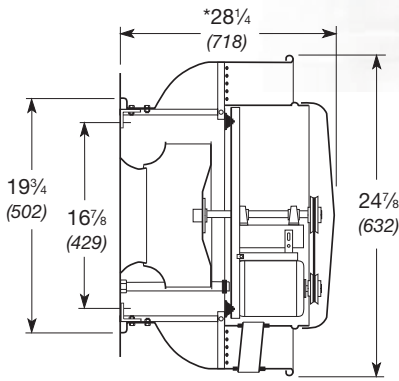
All dimensions in inches (millimeters).
 *May be greater depending on motor.
 ^Weight shown is largest cataloged Open Drip-Proof motor.



Model Number	Motor HP	Fan RPM	CFM / Static Pressure in Inches wg																			
			0	0.125	0.25	0.375	0.5	0.625	0.75	1	1.25	1.5										
CWB-121-4	1/4	685	CFM	809	670																	
			BHP	0.02	0.03																	
			Sones	4.4	4.4																	
		798	CFM	942	824	680																
			BHP	0.04	0.04	0.05																
			Sones	5.0	5.2	5.2																
	911	CFM	1076	971	861	703																
		BHP	0.06	0.06	0.07	0.07																
		Sones	5.6	6.0	6.0	6.0																
	1024	CFM	1209	1115	1025	910	755															
		BHP	0.08	0.09	0.10	0.10	0.10															
		Sones	6.4	6.8	7.0	6.9	6.9															
1137	CFM	1343	1257	1176	1087	976	825															
	BHP	0.11	0.12	0.13	0.13	0.14	0.13															
	Sones	7.3	7.8	8.1	8.2	8.0	8.1															
1250	CFM	1476	1397	1323	1250	1159	1053	916														
	BHP	0.15	0.16	0.17	0.17	0.18	0.18	0.18														
	Sones	8.8	9.3	9.9	9.9	10.0	9.8	9.8														
1410	CFM	1665	1595	1528	1463	1398	1315	1224	965													
	BHP	0.21	0.22	0.23	0.24	0.25	0.26	0.26	0.25													
	Sones	11.1	11.6	12.2	12.5	12.6	12.7	12.7	12.3													
CWB-121-3	1/3	1480	CFM	1748	1681	1617	1555	1493	1421	1338	1132											
			BHP	0.25	0.26	0.27	0.28	0.29	0.29	0.30	0.30											
			Sones	11.9	12.4	13.1	13.5	13.7	13.8	13.8	13.6											
	1545	CFM	1824	1760	1699	1639	1580	1518	1441	1262	990											
		BHP	0.28	0.29	0.30	0.31	0.32	0.33	0.34	0.34	0.33											
		Sones	12.8	13.4	14.0	14.5	14.7	14.8	14.9	14.9	14.6											
CWB-121-5	1/2	1635	CFM	1931	1870	1811	1755	1699	1643	1577	1424	1226										
			BHP	0.33	0.34	0.36	0.37	0.38	0.39	0.40	0.41	0.4										
			Sones	14.1	14.7	15.2	15.9	16.2	16.4	16.6	16.7	16.5										
	1725	CFM	2037	1979	1923	1869	1816	1763	1710	1571	1406	1176										
		BHP	0.39	0.40	0.41	0.43	0.44	0.45	0.46	0.47	0.48	0.46										
		Sones	15.6	16.1	16.7	17.3	17.9	18.2	18.4	18.7	18.6	18.4										

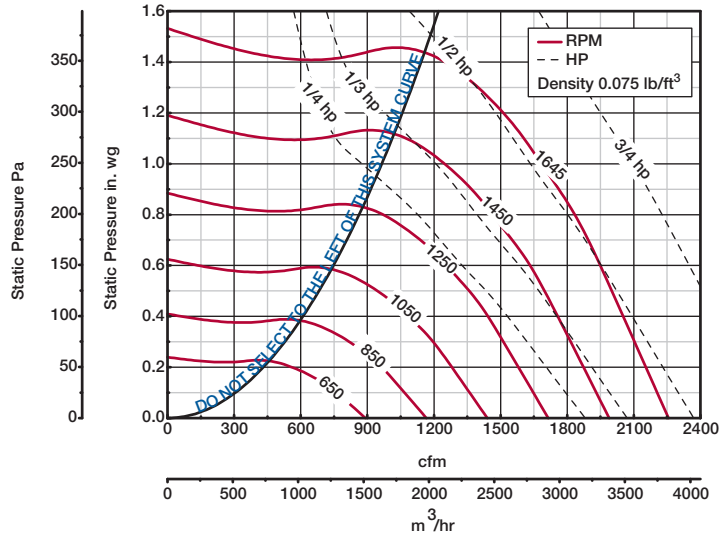
Performance certified is for installation type A: Free inlet, Free outlet. Power rating (BHP) does not include transmission losses. Performance ratings do not include the effects of appurtenances (accessories). The sound ratings shown are loudness values in fan sones at 5 ft. (1.5 m) in a hemispherical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

CWB-131 - Belt Drive



- Damper Size = 12 x 12 (305 x 305)
- Damper Frame Size = 14 x 14 (356 x 356)
- Wall Opening = 12 1/2 x 12 1/2 (318 x 318)
- Windband Thickness = 0.051 (1.3)
- Motor Cover Thickness = 0.040 (1.0)
- ^Approximate Unit Weight = 66 lb. (30 kg)

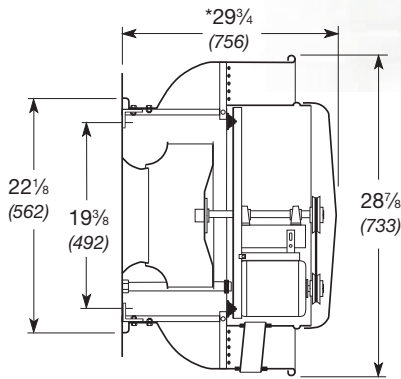
All dimensions in inches (millimeters).
 *May be greater depending on motor.
 ^Weight shown is largest cataloged Open Drip-Proof motor.



Model Number	Motor HP	Fan RPM	CFM / Static Pressure in Inches wg																			
			0	0.125	0.25	0.375	0.5	0.625	0.75	0.875	1	1.25										
CWB-131-4	1/4	650	CFM	892	724																	
			BHP	0.03	0.03																	
			Sones	6.2	6.0																	
		780	CFM	1070	935	756																
			BHP	0.05	0.05	0.06																
			Sones	7.5	7.3	6.6																
		910	CFM	1248	1133	1007	819															
			BHP	0.07	0.08	0.09	0.09															
			Sones	9.3	9.1	8.5	7.7															
		1040	CFM	1426	1325	1222	1094	919														
			BHP	0.11	0.12	0.13	0.13	0.13														
			Sones	11.3	11.0	10.5	9.8	9.0														
1170	CFM	1605	1515	1425	1329	1204	1045															
	BHP	0.16	0.17	0.18	0.18	0.19	0.18															
	Sones	12.9	12.6	12.2	11.7	10.8	10.1															
1305	CFM	1790	1709	1629	1547	1458	1340	1201	1003													
	BHP	0.22	0.23	0.24	0.25	0.26	0.26	0.26	0.24													
	Sones	14.6	14.3	13.9	13.5	13.0	12.0	11.5	10.8													
CWB-131-3	1/3	1435	CFM	1968	1895	1822	1749	1671	1586	1479	1358	1198										
			BHP	0.29	0.30	0.31	0.32	0.33	0.34	0.35	0.34	0.33										
			Sones	15.7	15.5	15.1	14.8	14.3	13.8	13.1	12.5	11.9										
CWB-131-5	1/2	1487	CFM	2039	1969	1898	1828	1754	1677	1579	1471	1339										
			BHP	0.32	0.33	0.34	0.36	0.37	0.38	0.38	0.38	0.39	0.38									
			Sones	16.2	15.9	15.7	15.4	14.9	14.5	13.9	13.2	12.7										
		1540	CFM	2112	2044	1976	1908	1838	1764	1678	1577	1465										
			BHP	0.35	0.37	0.38	0.39	0.41	0.42	0.42	0.43	0.43										
			Sones	16.7	16.5	16.2	16.0	15.6	15.2	14.6	14.0	13.4										
		1592	CFM	2183	2117	2052	1986	1920	1848	1774	1678	1578	1301									
			BHP	0.39	0.41	0.42	0.43	0.44	0.46	0.47	0.47	0.47	0.45									
			Sones	17.3	17.0	16.8	16.6	16.2	15.8	15.3	14.8	14.3	13.0									
		1645	CFM	2256	2192	2128	2065	2001	1933	1864	1778	1684	1455									
			BHP	0.43	0.45	0.46	0.47	0.49	0.50	0.51	0.52	0.52	0.51									
			Sones	17.9	17.6	17.4	17.2	16.9	16.5	16.1	15.6	15.1	13.9									

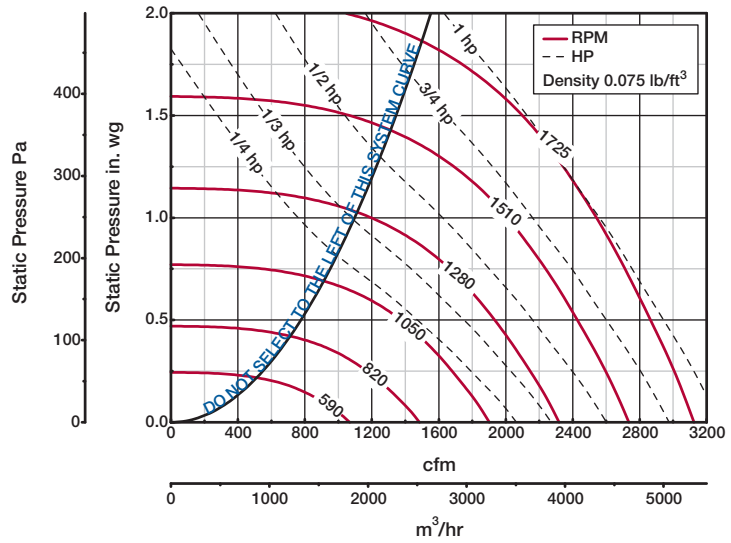
Performance certified is for installation type A: Free inlet, Free outlet. Power rating (BHP) does not include transmission losses. Performance ratings do not include the effects of appurtenances (accessories). The sound ratings shown are loudness values in fan sones at 5 ft. (1.5 m) in a hemispherical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

CWB-141 - Belt Drive



Damper Size = 15 x 15 (381 x 381)
 Damper Frame Size = 17 x 17 (432 x 432)
 Wall Opening = 15 1/2 x 15 1/2 (394 x 394)
 Windband Thickness = 0.051 (1.3)
 Motor Cover Thickness = 0.040 (1.0)
 ^Approximate Unit Weight = 84 lb. (38 kg)

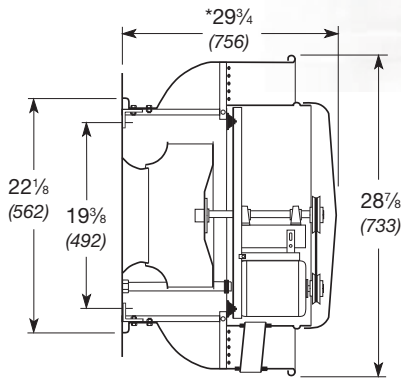
All dimensions in inches (millimeters).
 *May be greater depending on motor.
 ^Weight shown is largest cataloged Open Drip-Proof motor.



Model Number	Motor HP	Fan RPM	CFM / Static Pressure in Inches wg																			
			0	0.125	0.25	0.375	0.5	0.75	1	1.25	1.5	1.75										
CWB-141-4	1/4	590	CFM	1069	851																	
			BHP	0.04	0.04																	
			Sones	5.0	4.5																	
		715	CFM	1295	1130	885																
			BHP	0.06	0.07	0.07																
			Sones	6.0	6.0	5.1																
	840	CFM	1521	1387	1217	969																
		BHP	0.10	0.11	0.11	0.11																
		Sones	7.1	7.3	6.8	6.2																
	965	CFM	1748	1635	1499	1333	1103															
		BHP	0.15	0.16	0.17	0.17	0.17															
		Sones	8.6	8.7	8.5	8.1	7.7															
1105	CFM	2001	1906	1793	1667	1515	998															
	BHP	0.23	0.24	0.25	0.26	0.26	0.23															
	Sones	10.9	10.8	10.6	10.3	10.0	9.6															
CWB-141-3	1/3	1210	CFM	2192	2106	2006	1896	1773	1443													
			BHP	0.30	0.31	0.32	0.33	0.34	0.34													
			Sones	12.2	12.2	11.7	11.6	11.2	10.9													
CWB-141-5	1/2	1290	CFM	2337	2258	2166	2065	1957	1691	1221												
			BHP	0.36	0.38	0.39	0.40	0.41	0.42	0.37												
			Sones	13.2	13.3	12.7	12.6	12.3	12.0	11.3												
		1390	CFM	2518	2445	2362	2271	2174	1949	1643												
			BHP	0.45	0.47	0.48	0.50	0.51	0.52	0.51												
			Sones	14.9	14.7	14.2	13.2	12.9	12.1	11.0												
CWB-141-7	3/4	1495	CFM	2708	2640	2565	2483	2396	2202	1967	1617											
			BHP	0.56	0.58	0.6	0.61	0.62	0.64	0.65	0.61											
			Sones	17.2	16.5	16.3	15.6	13.9	12.5	12.2	10.8											
		1595	CFM	2889	2826	2757	2683	2602	2430	2225	1968	1568										
			BHP	0.69	0.70	0.72	0.74	0.75	0.77	0.79	0.78	0.72										
			Sones	20	19.0	18.5	19.5	16.1	13.3	12.3	12.6	11.6										
CWB-141-10	1	1725	CFM	3125	3066	3005	2936	2865	2711	2539	2339	2085	1704									
			BHP	0.87	0.88	0.90	0.92	0.94	0.97	0.99	1.00	0.98	0.91									
			Sones	26	23	22	24	24	15.1	13.4	14.3	13.8	13.8									

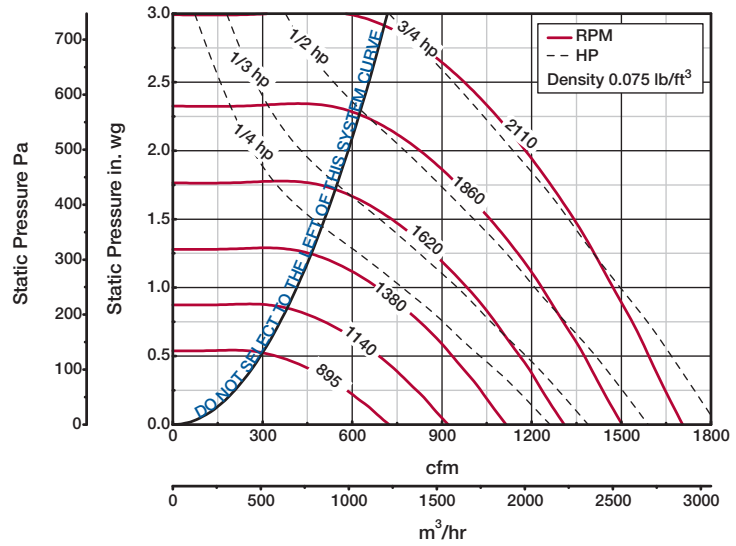
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CWB-141HP - Belt Drive



Damper Size = 15 x 15 (381 x 381)
 Damper Frame Size = 17 x 17 (432 x 432)
 Wall Opening = 15 1/2 x 15 1/2 (394 x 394)
 Windband Thickness = 0.051 (1.3)
 Motor Cover Thickness = 0.040 (1.0)
 ^Approximate Unit Weight = 84 lb. (38 kg)

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

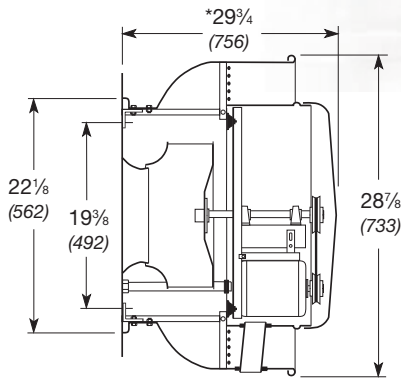


Model Number	Motor HP	Fan RPM	CFM / Static Pressure in Inches wg																			
			0.5	0.75	1	1.25	1.5	1.75	2	2.25	2.5	2.75										
CWB-141HP-4	1/4	895	CFM	331																		
			BHP	0.06																		
			Sones	6.1																		
		1037	CFM	566																		
			BHP	0.10																		
			Sones	6.7																		
	1179	CFM	733	563																		
		BHP	0.13	0.14																		
		Sones	8.9	9.2																		
		1321	CFM	878	756	591																
			BHP	0.18	0.19	0.19																
			Sones	12.1	11.6	13.6																
1465	CFM	1016	920	798	642																	
	BHP	0.24	0.26	0.26	0.26																	
	Sones	14.2	13.5	13.2	15.5																	
CWB-141HP-3	1/3	1605	CFM	1146	1063	965	846	704														
			BHP	0.31	0.33	0.34	0.34	0.34														
			Sones	15.2	14.4	14.2	14.0	15.2														
CWB-141HP-5	1/2	1725	CFM	1256	1178	1098	999	879	747													
			BHP	0.38	0.40	0.42	0.43	0.43	0.42													
			Sones	16.1	15.4	15.0	14.9	14.7	15.7													
		1845	CFM	1363	1292	1219	1137	1042	924	800												
			BHP	0.46	0.48	0.50	0.52	0.52	0.52	0.51												
			Sones	17.0	16.6	16.2	16.0	15.9	15.6	16.1												
CWB-141HP-7	3/4	1960	CFM	1463	1399	1330	1260	1176	1086	970	854											
			BHP	0.54	0.57	0.59	0.61	0.62	0.63	0.62	0.62											
			Sones	18.1	17.7	17.4	17.2	17.1	17.0	16.8	16.9											
		2035	CFM	1528	1468	1402	1335	1261	1175	1077	965	826										
			BHP	0.60	0.63	0.66	0.68	0.69	0.70	0.70	0.69	0.67										
			Sones	18.9	18.5	18.2	18.0	18.0	17.8	17.7	17.5	17.8										
		2110	CFM	1592	1536	1473	1409	1341	1262	1178	1073	965	804									
			BHP	0.67	0.70	0.72	0.75	0.77	0.78	0.78	0.78	0.77	0.73									
			Sones	19.8	19.3	19.1	19.0	18.9	18.8	18.6	18.5	18.3	20									

MAXIMUM BHP AT A GIVEN RPM = (RPM/2285)³
 MAXIMUM RPM = 2110
 TIP SPEED (ft/min.) = RPM x 3.829
 MAXIMUM MOTOR FRAME SIZE = 145T
 AVERAGE DISCHARGE VELOCITY (FPM) = CFM/1.72

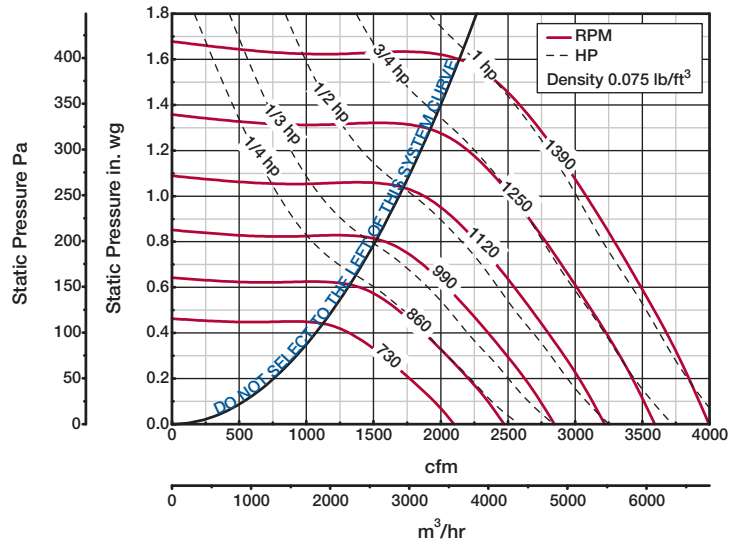
Performance certified is for installation type A: Free inlet, Free outlet. Power rating (BHP) does not include transmission losses. Performance ratings do not include the effects of appurtenances (accessories). The sound ratings shown are loudness values in fan sones at 5 ft. (1.5 m) in a hemispherical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

CWB-161 - Belt Drive



Damper Size = 15 x 15 (381 x 381)
 Damper Frame Size = 17 x 17 (432 x 432)
 Wall Opening = 15 1/2 x 15 1/2 (394 x 394)
 Windband Thickness = 0.051 (1.3)
 Motor Cover Thickness = 0.040 (1.0)
 ^Approximate Unit Weight = 87 lb. (39 kg)

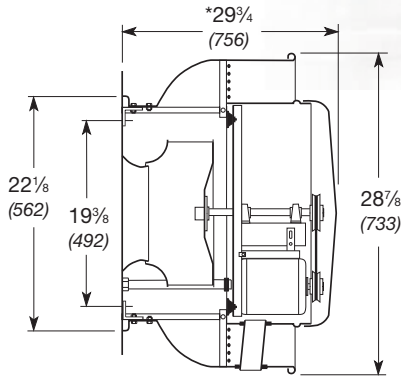
All dimensions in inches (millimeters).
 *May be greater depending on motor.
 ^Weight shown is largest cataloged Open Drip-Proof motor.



Model Number	Motor HP	Fan RPM	CFM / Static Pressure in Inches wg																	
			0	0.125	0.25	0.375	0.5	0.625	0.75	1	1.25	1.5								
CWB-161-4	1/4	730	CFM	2098	1905	1669	1389													
			BHP	0.13	0.15	0.15	0.15													
			Sones	8.1	8.0	7.8	7.8													
		778	CFM	2236	2058	1843	1596													
			BHP	0.16	0.18	0.19	0.18													
			Sones	8.9	8.7	8.5	8.4													
	826	CFM	2374	2209	2010	1790	1512													
		BHP	0.20	0.22	0.22	0.22	0.21													
		Sones	9.9	9.6	9.3	9.1	9.0													
	875	CFM	2515	2362	2177	1974	1744	1365												
		BHP	0.23	0.26	0.26	0.26	0.26	0.24												
		Sones	11.0	10.6	10.1	9.9	9.7	9.7												
CWB-161-3	1/3	965	CFM	2774	2637	2477	2300	2109	1893	1584										
			BHP	0.31	0.34	0.35	0.35	0.35	0.34	0.33										
			Sones	12.4	12.0	11.5	11.2	10.8	10.6	10.5										
CWB-161-5	1/2	1038	CFM	2984	2857	2712	2552	2382	2199	1992										
			BHP	0.39	0.42	0.43	0.44	0.44	0.43	0.43										
			Sones	13.7	13.3	12.8	12.4	12.1	11.8	11.6										
	1110	CFM	3191	3072	2941	2796	2641	2475	2297	1770										
		BHP	0.47	0.51	0.53	0.53	0.54	0.53	0.52	0.49										
		Sones	15.0	14.6	14.2	13.8	13.5	13.1	12.9	12.2										
CWB-161-7	3/4	1188	CFM	3415	3304	3186	3053	2911	2764	2606	2246									
			BHP	0.58	0.62	0.64	0.65	0.65	0.66	0.65	0.64									
			Sones	16.7	16.3	15.8	15.4	15.0	14.7	14.5	14.0									
	1265	CFM	3636	3532	3426	3301	3172	3036	2894	2583	2163									
		BHP	0.70	0.74	0.77	0.78	0.79	0.79	0.79	0.78	0.75									
		Sones	18.5	18.1	17.7	17.2	16.8	16.5	16.3	15.8	15.2									
CWB-161-10	1	1328	CFM	3817	3718	3619	3502	3383	3253	3124	2843	2510								
			BHP	0.81	0.85	0.89	0.90	0.91	0.91	0.92	0.90	0.89								
			Sones	20	19.6	19.2	18.7	18.3	18.0	17.8	17.4	16.9								
	1390	CFM	3996	3901	3806	3698	3584	3464	3340	3078	2785	2394								
		BHP	0.93	0.97	1.01	1.03	1.04	1.04	1.05	1.04	1.03	1.00								
		Sones	22	21	21	20	19.9	19.6	19.4	19.0	18.6	18.0								

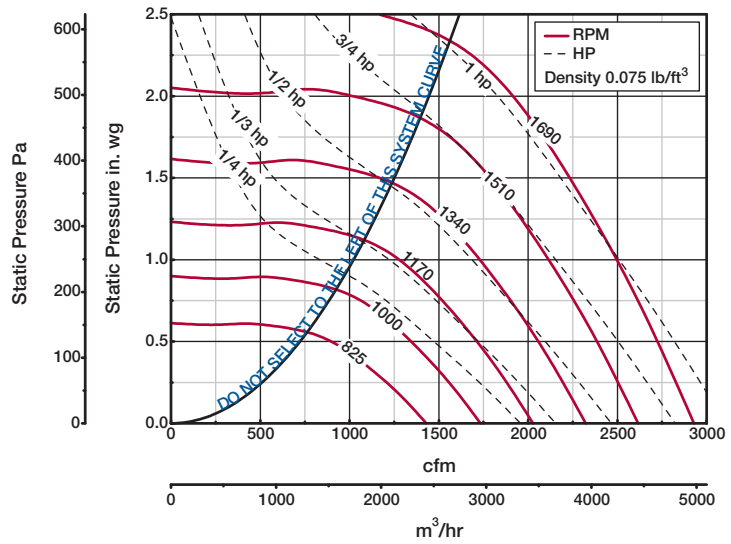
Performance certified is for installation type A: Free inlet, Free outlet. Power rating (BHP) does not include transmission losses. Performance ratings do not include the effects of appurtenances (accessories). The sound ratings shown are loudness values in fan sones at 5 ft. (1.5 m) in a hemispherical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

CWB-161HP - Belt Drive



Damper Size = 15 x 15 (381 x 381)
 Damper Frame Size = 17 x 17 (432 x 432)
 Wall Opening = 15 1/2 x 15 1/2 (394 x 394)
 Windband Thickness = 0.051 (1.3)
 Motor Cover Thickness = 0.040 (1.0)
 ^Approximate Unit Weight = 85 lb. (39 kg)

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

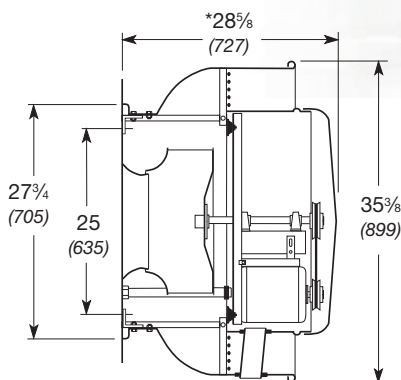


Model Number	Motor HP	Fan RPM	CFM / Static Pressure in Inches wg																				
			0.5	0.625	0.75	0.875	1	1.25	1.5	1.75	2	2.25											
CWB-161HP-4	1/4	825	CFM	889																			
			BHP	0.12																			
			Sones	7.0																			
		910	CFM	1129	956																		
			BHP	0.16	0.16																		
			Sones	8.3	7.8																		
	995	CFM	1331	1208	1042																		
		BHP	0.21	0.21	0.21																		
		Sones	9.6	9.3	8.8																		
	1065	CFM	1487	1377	1252	1093																	
		BHP	0.25	0.26	0.26	0.26																	
		Sones	11.0	10.6	10.2	9.8																	
CWB-161HP-3	1/3	1165	CFM	1697	1608	1504	1395	1252															
			BHP	0.32	0.33	0.34	0.34	0.34															
			Sones	12.8	12.7	12.2	11.7	11.3															
CWB-161HP-5	1/2	1255	CFM	1882	1799	1715	1617	1519	1218														
			BHP	0.40	0.41	0.42	0.43	0.43	0.42														
			Sones	13.1	12.8	12.5	12.0	11.5	10.6														
		1340	CFM	2053	1975	1897	1816	1724	1513														
			BHP	0.48	0.49	0.50	0.51	0.52	0.52														
			Sones	14.4	13.8	13.3	12.8	12.3	11.3														
CWB-161HP-7	3/4	1441	CFM	2253	2180	2108	2036	1961	1790	1577													
			BHP	0.59	0.60	0.61	0.63	0.64	0.65	0.65													
			Sones	16.3	15.8	15.2	14.7	14.3	13.5	12.3													
		1535	CFM	2433	2368	2301	2233	2165	2015	1855	1638												
			BHP	0.70	0.72	0.73	0.74	0.76	0.78	0.79	0.78												
			Sones	18.1	17.7	17.2	16.8	16.4	15.7	14.9	13.5												
CWB-161HP-10	1	1610	CFM	2573	2516	2452	2387	2322	2190	2037	1863	1651											
			BHP	0.80	0.82	0.83	0.85	0.86	0.89	0.90	0.91	0.90											
			Sones	19.6	19.2	18.8	18.4	18.1	17.5	16.9	15.8	14.3											
		1690	CFM	2722	2671	2611	2550	2488	2365	2228	2082	1899	1664										
			BHP	0.92	0.94	0.95	0.97	0.98	1.01	1.03	1.05	1.05	1.03										
			Sones	21	21	21	20	20	19.5	19.1	18.6	16.9	15.0										

MAXIMUM BHP AT A GIVEN RPM = (RPM/1660)³
 MAXIMUM RPM = 1690
 TIP SPEED (ft/min.) = RPM x 4.352
 MAXIMUM MOTOR FRAME SIZE = 145T
 AVERAGE DISCHARGE VELOCITY (FPM) = CFM/1.72

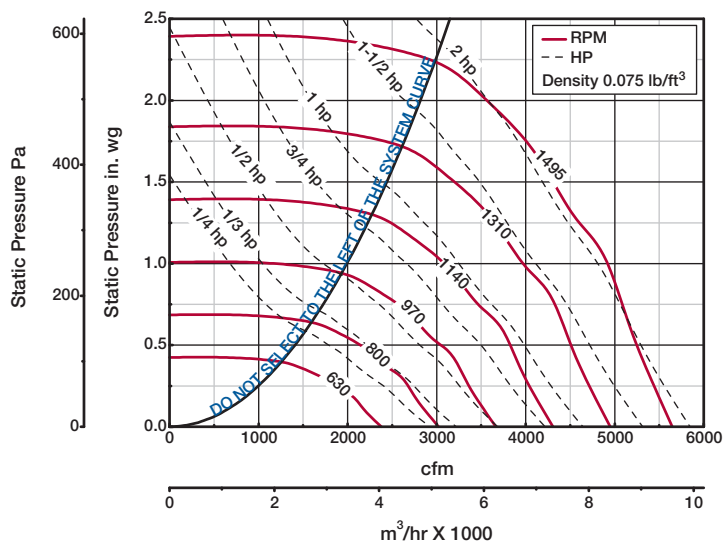
Performance certified is for installation type A: Free inlet, Free outlet. Power rating (BHP) does not include transmission losses. Performance ratings do not include the effects of appurtenances (accessories). The sound ratings shown are loudness values in fan sones at 5 ft. (1.5 m) in a hemispherical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

CWB-180 - Belt Drive



Damper Size = 17 x 17 (432 x 432)
 Damper Frame Size = 19 x 19 (483 x 483)
 Wall Opening = 17 1/2 x 17 1/2 (445 x 445)
 Windband Thickness = 0.051 (1.3)
 Motor Cover Thickness = 0.040 (1.0)
 ^Approximate Unit Weight = 126 lb. (57 kg)

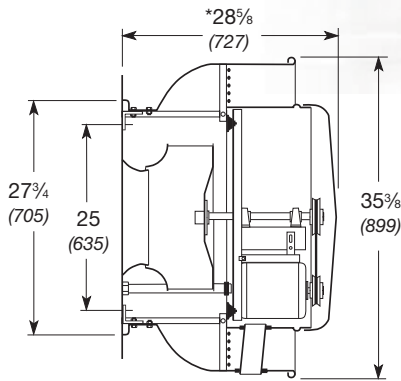
All dimensions in inches (millimeters).
 *May be greater depending on motor.
 ^Weight shown is largest cataloged Open Drip-Proof motor.



Model Number	Motor HP	Fan RPM	CFM / Static Pressure in Inches wg																			
			0	0.125	0.25	0.5	0.75	1	1.25	1.5	1.75	2										
CWB-180-4	1/4	630	CFM	2380	2154	1861																
			BHP	0.13	0.15	0.16																
			Sones	7.1	6.4	5.5																
		745	CFM	2815	2617	2448	1763															
			BHP	0.22	0.24	0.26	0.25															
			Sones	9.2	8.6	8.1	7.1															
CWB-180-3	1/3	820	CFM	3098	2916	2759	2257															
			BHP	0.30	0.32	0.34	0.34															
			Sones	11.2	10.4	10.0	9.0															
CWB-180-5	1/2	940	CFM	3551	3389	3243	2879	2363														
			BHP	0.45	0.47	0.49	0.52	0.50														
			Sones	13.8	13.5	13.1	12.4	11.2														
CWB-180-7	3/4	1010	CFM	3816	3664	3526	3242	2799	2105													
			BHP	0.56	0.58	0.61	0.65	0.64	0.58													
			Sones	15.4	15.2	14.9	14.7	13.7	11.8													
		1075	CFM	4061	3919	3786	3554	3141	2652													
			BHP	0.67	0.70	0.73	0.78	0.78	0.75													
			Sones	16.5	16.2	15.8	15.5	14.7	13.3													
CWB-180-10	1	1185	CFM	4477	4348	4224	4005	3703	3336	2841												
			BHP	0.90	0.93	0.96	1.01	1.04	1.04	0.99												
			Sones	18.5	17.9	17.1	16.5	16.0	15.2	14.4												
CWB-180-15	1 1/2	1275	CFM	4817	4697	4578	4369	4163	3799	3437	2930											
			BHP	1.12	1.15	1.19	1.24	1.30	1.30	1.28	1.22											
			Sones	21	20	19.5	18.7	18.2	17.5	16.7	15.9											
		1360	CFM	5138	5026	4913	4710	4532	4232	3912	3537	3023										
			BHP	1.36	1.39	1.43	1.49	1.56	1.58	1.58	1.54	1.46										
			Sones	23	23	22	21	21	20	19.2	18.3	17.3										
CWB-180-20	2	1430	CFM	5402	5296	5189	4993	4819	4593	4270	3968	3567	3001									
			BHP	1.58	1.62	1.66	1.72	1.79	1.83	1.83	1.83	1.76	1.66									
			Sones	25	25	25	24	23	22	22	21	19.5	18.2									
		1495	CFM	5648	5546	5443	5254	5082	4921	4598	4313	3983	3564									
			BHP	1.80	1.84	1.89	1.96	2.02	2.10	2.10	2.10	2.06	1.99									
			Sones	28	27	27	26	25	25	24	23	22	21									

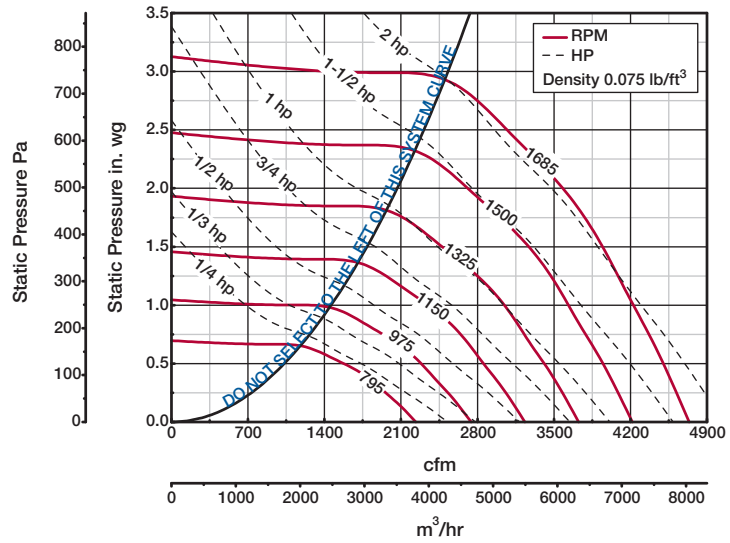
Performance certified is for installation type A: Free inlet, Free outlet. Power rating (BHP) does not include transmission losses. Performance ratings do not include the effects of appurtenances (accessories). The sound ratings shown are loudness values in fan sones at 5 ft. (1.5 m) in a hemispherical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

CWB-180HP - Belt Drive



Damper Size = 17 x 17 (432 x 432)
 Damper Frame Size = 19 x 19 (483 x 483)
 Wall Opening = 17 1/2 x 17 1/2 (445 x 445)
 Windband Thickness = 0.051 (1.3)
 Motor Cover Thickness = 0.040 (1.0)
 ^Approximate Unit Weight = 126 lb. (57 kg)

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

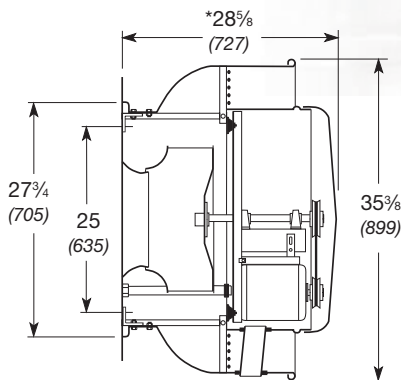


Model Number	Motor HP	Fan RPM	CFM / Static Pressure in Inches wg																			
			0.5	0.75	1	1.25	1.5	1.75	2	2.25	2.5	2.75										
CWB-180HP-4	1/4	795	CFM	1570																		
			BHP	0.22																		
			Sones	8.3																		
		845	CFM	1799																		
			BHP	0.26																		
			Sones	9.5																		
CWB-180HP-3	1/3	925	CFM	2104	1688																	
			BHP	0.34	0.35																	
			Sones	10.8	9.8																	
CWB-180HP-5	1/2	1065	CFM	2581	2323	1933																
			BHP	0.50	0.52	0.53																
			Sones	13.8	12.5	12.4																
CWB-180HP-7	3/4	1215	CFM	3063	2868	2626	2286	1854														
			BHP	0.72	0.76	0.78	0.79	0.75														
			Sones	15.0	14.5	14.0	13.4	12.9														
CWB-180HP-10	1	1275	CFM	3253	3066	2853	2566	2209														
			BHP	0.82	0.87	0.89	0.91	0.89														
			Sones	16.7	15.8	15.4	14.9	14.3														
		1335	CFM	3441	3261	3075	2839	2523	2156													
			BHP	0.93	0.98	1.02	1.04	1.04	1.04													
			Sones	18.7	17.4	17.0	16.6	16.1	15.6													
CWB-180HP-15	1 1/2	1430	CFM	3735	3566	3401	3206	2964	2669	2320												
			BHP	1.13	1.19	1.23	1.26	1.27	1.28	1.24												
			Sones	22	21	19.7	19.3	18.9	18.4	17.9												
		1530	CFM	4005	3853	3696	3538	3338	3089	2807	2479											
			BHP	1.34	1.40	1.46	1.50	1.52	1.53	1.54	1.49											
			Sones	23	22	21	21	20	19.7	19.1	18.4											
CWB-180HP-20	2	1610	CFM	4273	4136	3986	3840	3674	3485	3233	2965	2656										
			BHP	1.58	1.64	1.70	1.76	1.79	1.81	1.82	1.82	1.78										
			Sones	25	24	23	23	22	21	21	20	19.2										
		1685	CFM	4495	4369	4226	4085	3945	3768	3575	3325	3061	2766									
			BHP	1.79	1.86	1.93	1.99	2.04	2.07	2.08	2.09	2.08	2.04									
			Sones	27	26	25	26	24	23	22	21	21	20									

MAXIMUM BHP AT A GIVEN RPM = (RPM/1315)³
 MAXIMUM RPM = 1685
 TIP SPEED (ft/min.) = RPM x 4.843
 MAXIMUM MOTOR FRAME SIZE = 184T
 AVERAGE DISCHARGE VELOCITY (FPM) = CFM/2.92

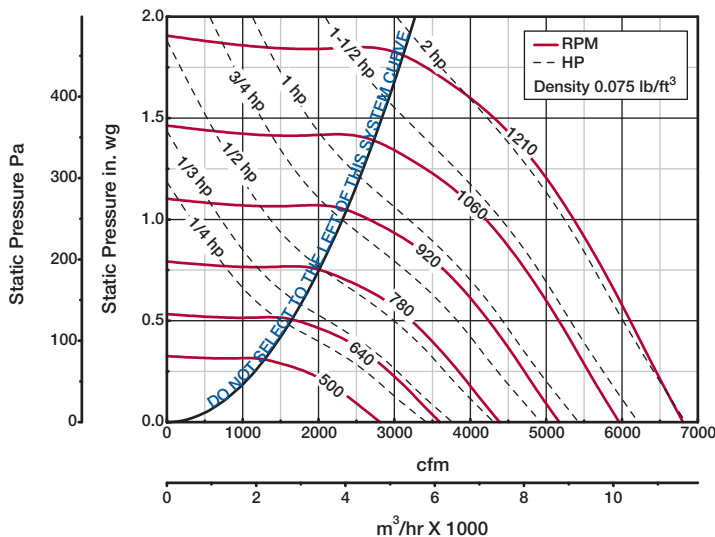
Performance certified is for installation type A: Free inlet, Free outlet. Power rating (BHP) does not include transmission losses. Performance ratings do not include the effects of appurtenances (accessories). The sound ratings shown are loudness values in fan sones at 5 ft. (1.5 m) in a hemispherical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

CWB-200 - Belt Drive



Damper Size = 17 x 17 (432 x 432)
 Damper Frame Size = 19 x 19 (483 x 483)
 Wall Opening = 17 1/2 x 17 1/2 (445 x 445)
 Windband Thickness = 0.051 (1.3)
 Motor Cover Thickness = 0.040 (1.0)
 ^Approximate Unit Weight = 142 lb. (64 kg)

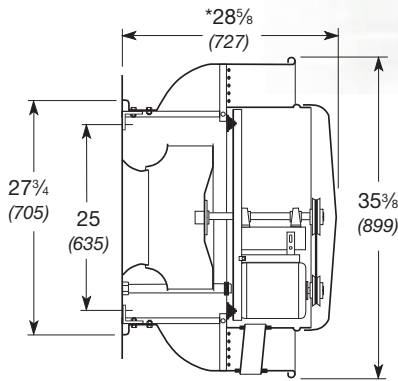
All dimensions in inches (millimeters).
 *May be greater depending on motor.
 ^Weight shown is largest cataloged Open Drip-Proof motor.



Model Number	Motor HP	Fan RPM	CFM / Static Pressure in Inches wg														
			0	0.125	0.25	0.375	0.5	0.75	1	1.25	1.5	1.75					
CWB-200-4	1/4	500	CFM	2812	2386	1822											
			BHP	0.14	0.15	0.15											
			Sones	6.2	5.4	4.6											
		605	CFM	3403	3054	2675	2144										
			BHP	0.25	0.26	0.26	0.25										
			Sones	8.1	7.4	6.7	6.1										
CWB-200-3	1/3	665	CFM	3740	3422	3096	2699	2073									
			BHP	0.33	0.34	0.35	0.35	0.33									
			Sones	9.4	8.8	8.1	7.5	7.0									
CWB-200-5	1/2	760	CFM	4275	3994	3718	3413	3048									
			BHP	0.49	0.51	0.52	0.52	0.51									
			Sones	12.1	11.7	10.9	10.1	9.4									
CWB-200-7	3/4	820	CFM	4612	4350	4098	3828	3523	2606								
			BHP	0.61	0.63	0.65	0.65	0.65	0.61								
			Sones	14.1	14.1	13.0	12.2	11.4	10.7								
		875	CFM	4922	4676	4439	4192	3922	3240								
			BHP	0.75	0.77	0.78	0.79	0.79	0.78								
			Sones	16.3	16.3	15.2	14.7	13.5	12.4								
CWB-200-10	1	960	CFM	5400	5176	4958	4742	4508	3985	3169							
			BHP	0.98	1.01	1.03	1.04	1.04	1.04	1.00							
			Sones	18.7	18.4	17.7	17.0	16.4	15.0	14.4							
CWB-200-15	1 1/2	1030	CFM	5793	5585	5380	5179	4968	4503	3917	2972						
			BHP	1.22	1.24	1.26	1.28	1.29	1.29	1.27	1.18						
			Sones	21	21	20	19.2	18.7	17.5	16.4	16.8						
		1100	CFM	6187	5992	5798	5610	5421	5006	4529	3861						
			BHP	1.48	1.51	1.53	1.55	1.57	1.57	1.57	1.53						
			Sones	23	23	23	22	21	20	19.3	18.6						
CWB-200-20	2	1155	CFM	6496	6311	6125	5946	5767	5383	4948	4410	3629					
			BHP	1.72	1.74	1.77	1.79	1.81	1.81	1.81	1.80	1.71					
			Sones	24	24	23	23	22	21	20	19.2	19.9					
		1210	CFM	6806	6628	6451	6279	6108	5748	5350	4892	4289	3365				
			BHP	1.97	2.00	2.03	2.05	2.07	2.09	2.09	2.08	2.04	1.88				
			Sones	25	24	23	23	22	21	21	19.8	19.7	21				

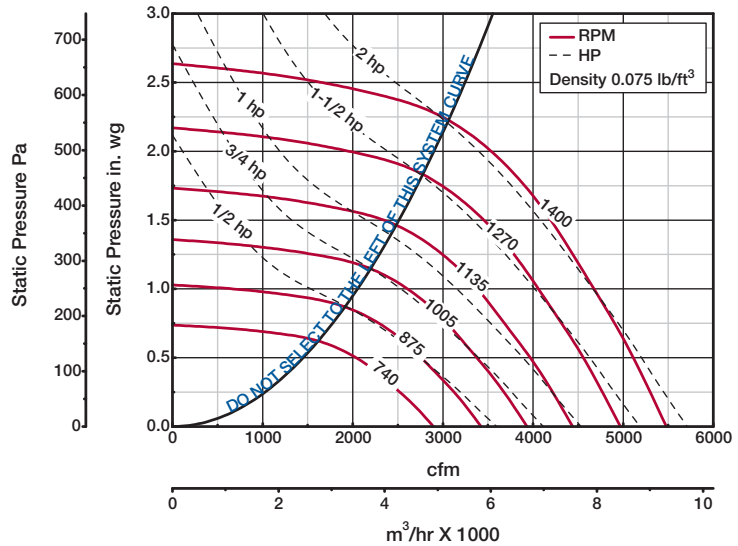
Performance certified is for installation type A: Free inlet, Free outlet. Power rating (BHP) does not include transmission losses. Performance ratings do not include the effects of appurtenances (accessories). The sound ratings shown are loudness values in fan sones at 5 ft. (1.5 m) in a hemispherical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

CWB-200HP - Belt Drive



Damper Size = 17 x 17 (432 x 432)
 Damper Frame Size = 19 x 19 (483 x 483)
 Wall Opening = 17 1/2 x 17 1/2 (445 x 445)
 Windband Thickness = 0.051 (1.3)
 Motor Cover Thickness = 0.040 (1.0)
 ^Approximate Unit Weight = 142 lb. (64 kg)

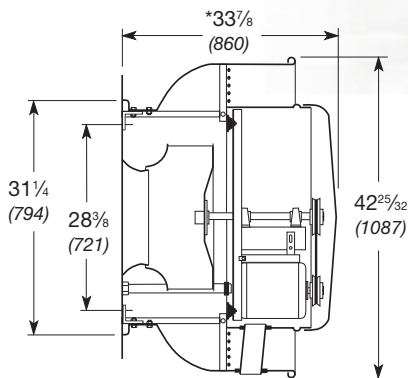
All dimensions in inches (millimeters).
 *May be greater depending on motor.
 ^Weight shown is largest cataloged Open Drip-Proof motor.



Model Number	Motor HP	Fan RPM	CFM / Static Pressure in Inches wg																			
			0.5	0.625	0.75	0.875	1	1.25	1.5	1.625	1.75	2										
CWB-200HP-5	1/2	740	CFM	2024																		
			BHP	0.31																		
			Sones	8.1																		
		810	CFM	2431	2156																	
			BHP	0.40	0.41																	
			Sones	9.3	8.7																	
		880	CFM	2779	2578	2317	1922															
			BHP	0.51	0.52	0.52	0.50															
			Sones	10.5	10.1	9.5	8.7															
CWB-200HP-7	3/4	945	CFM	3094	2915	2711	2468	2092														
			BHP	0.62	0.64	0.64	0.64	0.62														
			Sones	12.2	11.8	11.5	11.1	10.6														
		1010	CFM	3397	3235	3067	2865	2637														
			BHP	0.75	0.77	0.78	0.79	0.79														
			Sones	14.5	14.1	13.7	13.5	13.2														
CWB-200HP-10	1	1060	CFM	3625	3476	3316	3157	2944	2370													
			BHP	0.86	0.88	0.89	0.91	0.91	0.88													
			Sones	16.0	15.7	15.3	15.1	14.9	14.6													
		1110	CFM	3851	3710	3561	3409	3242	2806													
			BHP	0.98	1.00	1.02	1.03	1.04	1.04													
			Sones	16.9	16.5	16.2	15.9	15.7	15.5													
CWB-200HP-15	1 1/2	1190	CFM	4207	4075	3944	3803	3661	3321	2850												
			BHP	1.20	1.22	1.24	1.25	1.27	1.29	1.26												
			Sones	19.0	18.5	18.1	17.7	17.5	17.3	17.5												
		1270	CFM	4558	4435	4312	4188	4055	3789	3433	3237	2944										
			BHP	1.44	1.47	1.49	1.51	1.53	1.56	1.56	1.56	1.53										
			Sones	22	21	21	20	20	19.7	19.3	19.4	19.8										
CWB-200HP-20	2	1335	CFM	4837	4724	4606	4489	4369	4116	3826	3654	3482	2946									
			BHP	1.67	1.69	1.71	1.74	1.76	1.79	1.82	1.82	1.82	1.75									
			Sones	23	23	23	22	22	21	21	21	21	21	22								
		1400	CFM	5110	5009	4898	4786	4674	4436	4195	4044	3880	3515									
			BHP	1.91	1.94	1.96	1.98	2.01	2.05	2.09	2.09	2.09	2.08									
			Sones	24	24	24	24	24	23	21	22	22	22	23								

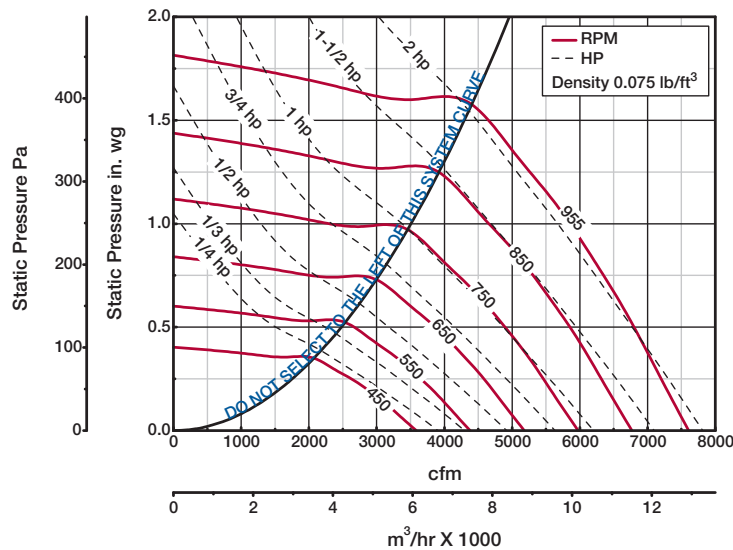
Performance certified is for installation type A: Free inlet, Free outlet. Power rating (BHP) does not include transmission losses. Performance ratings do not include the effects of appurtenances (accessories). The sound ratings shown are loudness values in fan sones at 5 ft. (1.5 m) in a hemispherical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

CWB-220 - Belt Drive



Damper Size = 20 x 20 (508 x 508)
 Damper Frame Size = 22 x 22 (559 x 559)
 Wall Opening = 20 1/2 x 20 1/2 (521 x 521)
 Windband Thickness = 0.064 (1.6)
 Motor Cover Thickness = 0.051 (1.3)
 ^Approximate Unit Weight = 174 lb. (79 kg)

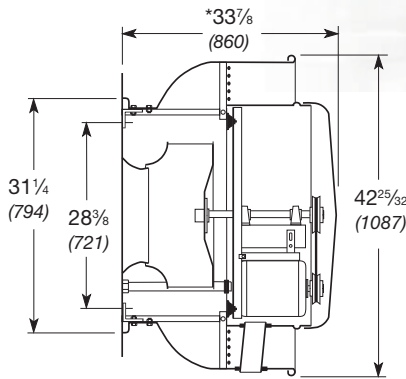
All dimensions in inches (millimeters).
 *May be greater depending on motor.
 ^Weight shown is largest cataloged Open Drip-Proof motor.



Model Number	Motor HP	Fan RPM	CFM / Static Pressure in Inches wg																			
			0	0.125	0.25	0.375	0.5	0.625	0.75	1	1.25	1.5										
CWB-220-4	1/4	450	CFM	3585	3155	2624																
			BHP	0.19	0.21	0.22																
			Sones	7.3	6.6	6.0																
		475	CFM	3784	3377	2896	2268															
			BHP	0.23	0.25	0.26	0.25															
			Sones	7.9	7.2	6.5	6.1															
CWB-220-3	1/3	520	CFM	4142	3771	3357	2845															
			BHP	0.30	0.32	0.34	0.34															
			Sones	9.3	8.4	7.6	7.1															
CWB-220-5	1/2	600	CFM	4779	4457	4124	3736	3279														
			BHP	0.46	0.48	0.51	0.52	0.52														
			Sones	12.0	11.0	10.0	9.3	8.8														
CWB-220-7	3/4	645	CFM	5138	4838	4539	4194	3811	3346													
			BHP	0.57	0.60	0.63	0.64	0.65	0.64													
			Sones	13.4	12.6	11.8	11.1	10.4	9.9													
		685	CFM	5457	5174	4893	4581	4234	3836	3383												
			BHP	0.68	0.71	0.74	0.76	0.78	0.78	0.77												
			Sones	14.8	14.0	13.4	12.9	12.1	11.6	11.1												
CWB-220-10	1	755	CFM	6014	5758	5502	5239	4944	4620	4258												
			BHP	0.91	0.94	0.98	1.01	1.03	1.04	1.04												
			Sones	17.3	16.7	16.3	16.0	15.5	14.8	14.3												
CWB-220-15	1 1/2	810	CFM	6452	6213	5975	5737	5470	5185	4883	4156											
			BHP	1.13	1.16	1.20	1.24	1.26	1.28	1.29	1.27											
			Sones	18.7	18.1	17.7	17.3	16.9	16.2	15.6	14.7											
		865	CFM	6890	6667	6443	6220	5987	5729	5453	4835	4111										
			BHP	1.37	1.41	1.45	1.49	1.52	1.54	1.56	1.57	1.53										
			Sones	20	19.9	19.3	18.9	18.5	17.8	17.2	16.3	15.9										
CWB-220-20	2	910	CFM	7249	7036	6823	6612	6400	6158	5909	5365	4704										
			BHP	1.6	1.64	1.68	1.72	1.76	1.78	1.81	1.83	1.81										
			Sones	23	22	22	21	21	19.9	19.1	18.0	17.1										
		955	CFM	7607	7405	7202	7000	6799	6580	6347	5844	5261	4602									
			BHP	1.85	1.89	1.93	1.97	2.02	2.05	2.07	2.11	2.11	2.07									
			Sones	25	25	24	24	23	23	22	20	19.0	18.6									

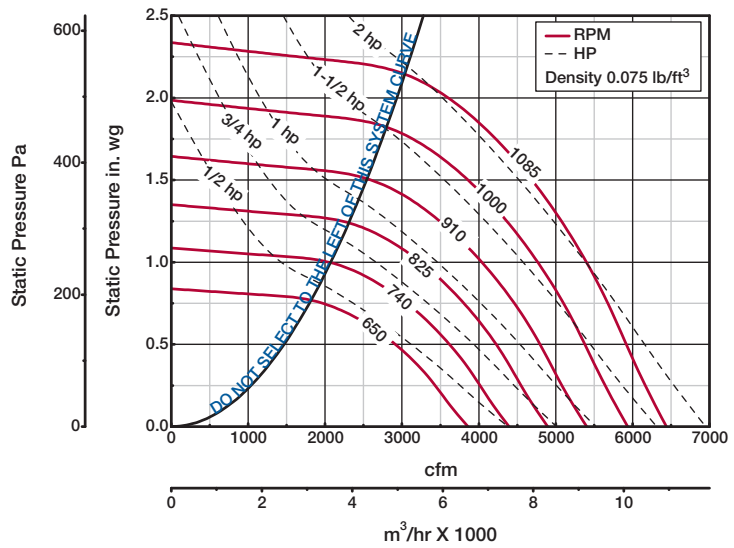
Performance certified is for installation type A: Free inlet, Free outlet. Power rating (BHP) does not include transmission losses. Performance ratings do not include the effects of appurtenances (accessories). The sound ratings shown are loudness values in fan sones at 5 ft. (1.5 m) in a hemispherical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

CWB-220HP - Belt Drive



Damper Size = 20 x 20 (508 x 508)
 Damper Frame Size = 22 x 22 (559 x 559)
 Wall Opening = 20 1/2 x 20 1/2 (521 x 521)
 Windband Thickness = 0.064 (1.6)
 Motor Cover Thickness = 0.051 (1.3)
 ^Approximate Unit Weight = 174 lb. (79 kg)

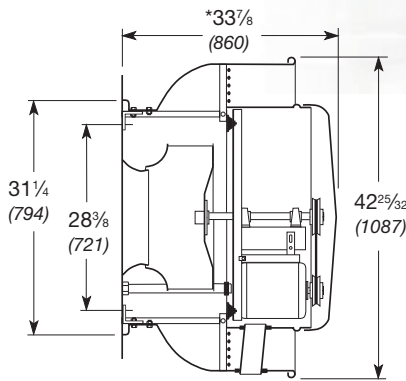
All dimensions in inches (millimeters).
 *May be greater depending on motor.
 ^Weight shown is largest cataloged Open Drip-Proof motor.



Model Number	Motor HP	Fan RPM	CFM / Static Pressure in Inches wg																			
			0.5	0.625	0.75	0.875	1	1.25	1.5	1.625	1.75	2										
CWB-220HP-5	1/2	650	CFM	2909	2534	1940																
			BHP	0.45	0.45	0.42																
			Sones	8.6	7.9	7.5																
		680	CFM	3151	2830	2405																
			BHP	0.51	0.52	0.51																
			Sones	9.6	9.0	8.6																
CWB-220HP-7	3/4	730	CFM	3545	3279	2958	2545															
			BHP	0.62	0.64	0.64	0.63															
			Sones	11.5	10.9	10.6	10.3															
		780	CFM	3902	3680	3427	3114	2716														
			BHP	0.74	0.76	0.78	0.78	0.77														
			Sones	13.2	12.6	12.2	12.1	11.9														
CWB-220HP-10	1	820	CFM	4182	3992	3757	3493	3181														
			BHP	0.85	0.88	0.90	0.91	0.90														
			Sones	13.8	13.4	13.1	12.9	12.7														
		860	CFM	4459	4277	4075	3850	3578	2863													
			BHP	0.96	1.00	1.02	1.04	1.05	1.01													
			Sones	14.8	14.2	14.1	13.9	13.7	12.9													
CWB-220HP-15	1 1/2	902	CFM	4743	4573	4400	4188	3969	3386													
			BHP	1.10	1.13	1.17	1.19	1.20	1.20													
			Sones	16.1	15.5	15.1	15.0	14.9	14.2													
		944	CFM	5016	4865	4699	4521	4315	3834	3169												
			BHP	1.24	1.28	1.32	1.35	1.37	1.38	1.34												
			Sones	17.4	16.8	16.2	16.2	16.1	15.6	14.6												
CWB-220HP-20	2	985	CFM	5281	5146	4988	4829	4642	4220	3674	3340	2825										
			BHP	1.39	1.44	1.48	1.51	1.54	1.57	1.56	1.53	1.46										
			Sones	18.8	18.3	17.6	17.3	17.2	16.9	16.2	15.5	14.6										
		1035	CFM	5602	5476	5335	5184	5033	4659	4209	3937	3630										
			BHP	1.60	1.65	1.69	1.73	1.77	1.81	1.82	1.81	1.79										
			Sones	21	20	19.5	18.7	18.6	18.5	18.1	17.7	17.0										
1085	CFM	5920	5800	5678	5534	5390	5061	4679	4454	4210	3573											
	BHP	1.82	1.87	1.92	1.96	2.00	2.06	2.10	2.10	2.09	2.03											
	Sones	23	22	21	21	20	20	19.8	19.6	19.3	17.8											

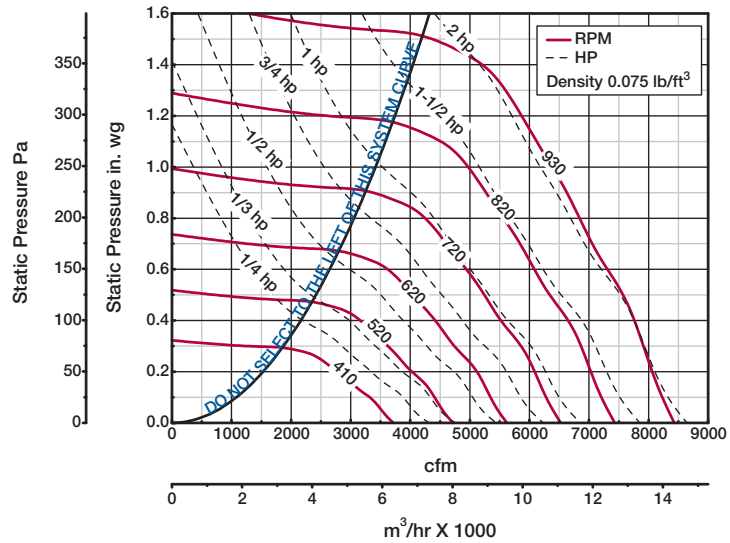
Performance certified is for installation type A: Free inlet, Free outlet. Power rating (BHP) does not include transmission losses. Performance ratings do not include the effects of appurtenances (accessories). The sound ratings shown are loudness values in fan sones at 5 ft. (1.5 m) in a hemispherical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

CWB-240 - Belt Drive



Damper Size = 20 x 20 (508 x 508)
 Damper Frame Size = 22 x 22 (559 x 559)
 Wall Opening = 20 1/2 x 20 1/2 (521 x 521)
 Windband Thickness = 0.064 (1.6)
 Motor Cover Thickness = 0.051 (1.3)
 ^Approximate Unit Weight = 175 lb. (79 kg)

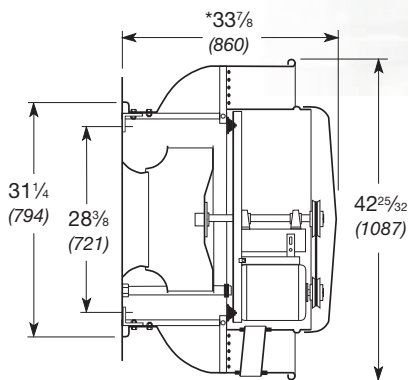
All dimensions in inches (millimeters).
 *May be greater depending on motor.
 ^Weight shown is largest cataloged Open Drip-Proof motor.



Model Number	Motor HP	Fan RPM	CFM / Static Pressure in Inches wg																	
			0	0.125	0.25	0.375	0.5	0.625	0.75	1	1.25	1.5								
CWB-240-4	1/4	410	CFM	3717	3170	2471														
			BHP	0.16	0.18	0.18														
			Sones	6.4	5.8	5.3														
		465	CFM	4216	3768	3188	2162													
			BHP	0.23	0.25	0.26	0.23													
			Sones	7.6	7.0	6.3	5.9													
CWB-240-3	1/3	510	CFM	4623	4243	3717	3134													
			BHP	0.31	0.33	0.34	0.34													
			Sones	8.9	8.1	7.3	6.9													
CWB-240-5	1/2	585	CFM	5303	4961	4540	4093	3565												
			BHP	0.46	0.49	0.51	0.52	0.51												
			Sones	11.5	10.5	9.5	8.8	8.4												
CWB-240-7	3/4	628	CFM	5693	5368	5010	4590	4141	3600											
			BHP	0.57	0.61	0.63	0.64	0.65	0.63											
			Sones	12.9	11.9	11.1	10.4	9.8	9.4											
		670	CFM	6074	5763	5461	5052	4659	4202	3524										
			BHP	0.69	0.74	0.76	0.78	0.79	0.78	0.73										
			Sones	14.3	13.4	12.8	12.2	11.5	11.0	10.6										
CWB-240-10	1	735	CFM	6663	6370	6133	5764	5409	5037	4618										
			BHP	0.92	0.97	0.99	1.01	1.03	1.04	1.03										
			Sones	16.6	15.9	15.5	15.1	14.6	13.9	13.4										
		790	CFM	7162	6883	6661	6361	6011	5693	5332	4453									
			BHP	1.14	1.20	1.22	1.25	1.27	1.28	1.29	1.24									
			Sones	18.2	17.5	17.2	16.8	16.3	15.7	15.0	14.3									
CWB-240-15	1 1/2	845	CFM	7660	7400	7184	6947	6615	6304	6002	5282									
			BHP	1.39	1.46	1.49	1.51	1.54	1.56	1.57	1.56									
			Sones	19.6	19.0	18.6	18.2	17.6	17.0	16.4	15.4									
CWB-240-20	2	888	CFM	8050	7802	7590	7394	7083	6772	6489	5854	5088								
			BHP	1.62	1.69	1.72	1.75	1.78	1.81	1.82	1.83	1.77								
			Sones	21	21	21	20	19.5	18.7	18.0	17.0	16.4								
		930	CFM	8431	8194	7985	7798	7536	7233	6953	6375	5706	4324							
			BHP	1.86	1.93	1.98	2.00	2.03	2.06	2.08	2.10	2.07	1.83							
			Sones	24	23	23	22	22	21	19.9	18.7	17.8	17.9							

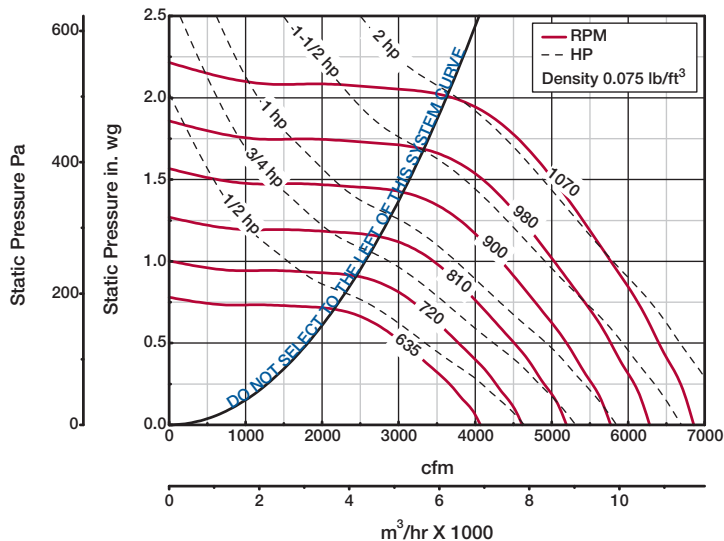
Performance certified is for installation type A: Free inlet, Free outlet. Power rating (BHP) does not include transmission losses. Performance ratings do not include the effects of appurtenances (accessories). The sound ratings shown are loudness values in fan sones at 5 ft. (1.5 m) in a hemispherical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

CWB-240HP - Belt Drive



Damper Size = 20 x 20 (508 x 508)
 Damper Frame Size = 22 x 22 (559 x 559)
 Wall Opening = 20 1/2 x 20 1/2 (521 x 521)
 Windband Thickness = 0.064 (1.6)
 Motor Cover Thickness = 0.051 (1.3)
 ^Approximate Unit Weight = 174 lb. (79 kg)

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

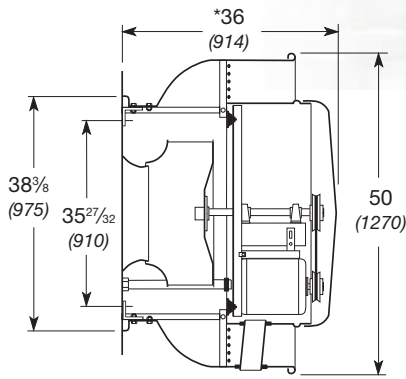


Model Number	Motor HP	Fan RPM	CFM / Static Pressure in Inches wg														
			0.5	0.625	0.75	0.875	1	1.25	1.5	1.625	1.75	2					
CWB-240HP-5	1/2	635	CFM	3046	2673												
			BHP	0.43	0.43												
			Sones	8.1	7.4												
		675	CFM	3405	3070	2607											
			BHP	0.51	0.52	0.51											
			Sones	9.4	8.8	8.4											
CWB-240HP-7	3/4	725	CFM	3824	3547	3222	2751										
			BHP	0.62	0.64	0.65	0.63										
			Sones	11.3	10.7	10.3	10.1										
		775	CFM	4233	3979	3704	3400	2940									
			BHP	0.75	0.77	0.78	0.79	0.77									
			Sones	13.1	12.5	12.1	12.0	11.8									
CWB-240HP-10	1	813	CFM	4529	4295	4054	3771	3481									
			BHP	0.85	0.88	0.90	0.91	0.91									
			Sones	13.7	13.2	13.0	12.7	12.5									
		850	CFM	4812	4599	4367	4123	3846	3025								
			BHP	0.96	0.99	1.01	1.03	1.04	1.00								
			Sones	14.5	14.0	13.8	13.7	13.4	12.6								
CWB-240HP-15	1 1/2	892	CFM	5129	4932	4717	4497	4250	3687								
			BHP	1.09	1.13	1.16	1.18	1.20	1.20								
			Sones	15.7	15.1	14.9	14.8	14.6	14.0								
		934	CFM	5443	5255	5061	4850	4640	4140	3359							
			BHP	1.23	1.28	1.31	1.34	1.37	1.38	1.33							
			Sones	17.1	16.5	16.0	15.9	15.8	15.3	14.2							
975	CFM	5737	5567	5387	5190	4988	4539	4006	3542								
	BHP	1.39	1.43	1.48	1.51	1.53	1.56	1.56	1.52								
	Sones	18.4	17.9	17.3	17.0	16.9	16.6	15.9	15.0								
CWB-240HP-20	2	1023	CFM	6075	5927	5756	5581	5389	4995	4533	4296	3854					
			BHP	1.59	1.63	1.68	1.72	1.75	1.80	1.81	1.82	1.77					
			Sones	20	19.6	19.0	18.3	18.3	18.1	17.7	17.3	16.4					
		1070	CFM	6404	6272	6112	5949	5775	5407	4990	4770	4550	3625				
			BHP	1.80	1.84	1.89	1.94	1.98	2.04	2.07	2.07	2.08	1.95				
			Sones	22	22	21	20	19.7	19.7	19.4	19.1	18.8	16.6				

MAXIMUM BHP AT A GIVEN RPM = (RPM/837)³
 MAXIMUM RPM = 1070
 TIP SPEED (ft/min.) = RPM x 6.413
 MAXIMUM MOTOR FRAME SIZE = 184T
 AVERAGE DISCHARGE VELOCITY (FPM) = CFM/3.76

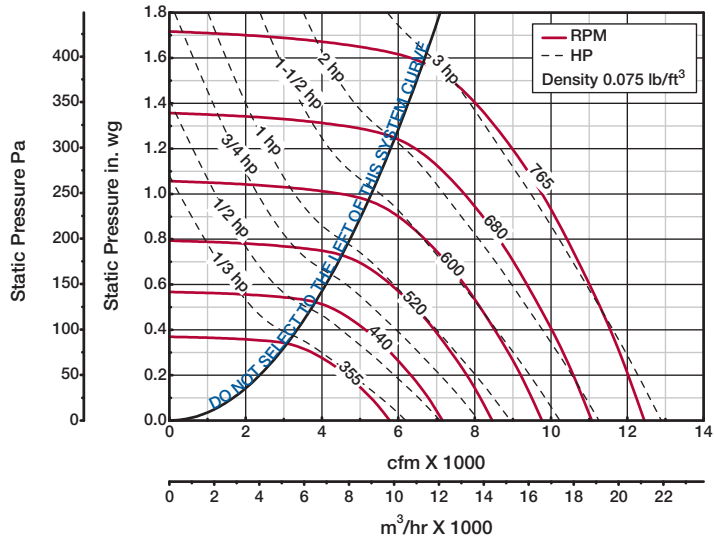
Performance certified is for installation type A: Free inlet, Free outlet. Power rating (BHP) does not include transmission losses. Performance ratings do not include the effects of appurtenances (accessories). The sound ratings shown are loudness values in fan sones at 5 ft. (1.5 m) in a hemispherical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

CWB-300 - Belt Drive



Damper Size = 25 x 25 (635 x 635)
 Damper Frame Size = 27 x 27 (686 x 686)
 Wall Opening = 25 1/2 x 25 1/2 (648 x 648)
 Windband Thickness = 0.064 (1.6)
 Motor Cover Thickness = 0.051 (1.3)
 ^Approximate Unit Weight = 313 lb. (142 kg)

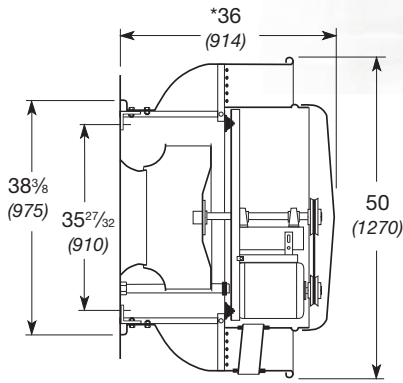
All dimensions in inches (millimeters).
 *May be greater depending on motor.
 ^Weight shown is largest cataloged Open Drip-Proof motor.



Model Number	Motor HP	Fan RPM	CFM / Static Pressure in Inches wg														
			0	0.125	0.25	0.375	0.5	0.625	0.75	1	1.25	1.5					
CWB-300-3	1/3	355	CFM	5777	5132	4227											
			BHP	0.27	0.30	0.31											
			Sones	6.9	6.3	5.3											
		365	CFM	5940	5316	4464											
			BHP	0.29	0.33	0.34											
			Sones	7.2	6.5	5.7											
CWB-300-5	1/2	420	CFM	6835	6314	5660	4820										
			BHP	0.45	0.49	0.52	0.52										
			Sones	9.0	8.2	7.5	6.9										
CWB-300-7	3/4	480	CFM	7811	7377	6844	6231	5440									
			BHP	0.67	0.72	0.76	0.78	0.77									
			Sones	11.0	10.5	9.9	9.3	8.5									
CWB-300-10	1	530	CFM	8625	8231	7772	7245	6636	5879								
			BHP	0.90	0.95	1.00	1.03	1.05	1.04								
			Sones	13.3	12.7	12.2	11.7	11.2	10.2								
CWB-300-15	1 1/2	568	CFM	9243	8876	8463	7996	7477	6842	6052							
			BHP	1.11	1.17	1.22	1.26	1.28	1.29	1.26							
			Sones	15.2	14.6	14.0	13.6	13.2	12.4	11.5							
		605	CFM	9845	9501	9127	8705	8226	7708	7084							
			BHP	1.34	1.40	1.46	1.51	1.54	1.56	1.55							
			Sones	17.0	16.4	15.7	15.2	14.8	14.3	13.5							
CWB-300-20	2	635	CFM	10334	10005	9662	9259	8823	8359	7798	6334						
			BHP	1.55	1.61	1.68	1.73	1.77	1.79	1.80	1.72						
			Sones	18.5	17.9	17.1	16.6	16.1	15.7	15.1	13.4						
		665	CFM	10822	10508	10193	9808	9411	8968	8495	7271						
			BHP	1.77	1.85	1.92	1.97	2.02	2.05	2.07	2.04						
			Sones	20	19.7	18.6	18.0	17.5	17.1	16.7	15.1						
CWB-300-30	3	715	CFM	11635	11344	11052	10713	10356	9963	9551	8572	7241					
			BHP	2.21	2.28	2.36	2.42	2.48	2.52	2.55	2.57	2.47					
			Sones	22	22	21	19.9	19.3	18.9	18.5	17.8	15.8					
		765	CFM	12449	12176	11904	11607	11273	10939	10554	9743	8756	7352				
			BHP	2.70	2.78	2.86	2.94	3.00	3.06	3.09	3.15	3.14	2.98				
			Sones	24	24	23	22	22	21	21	20	18.7	17.0				

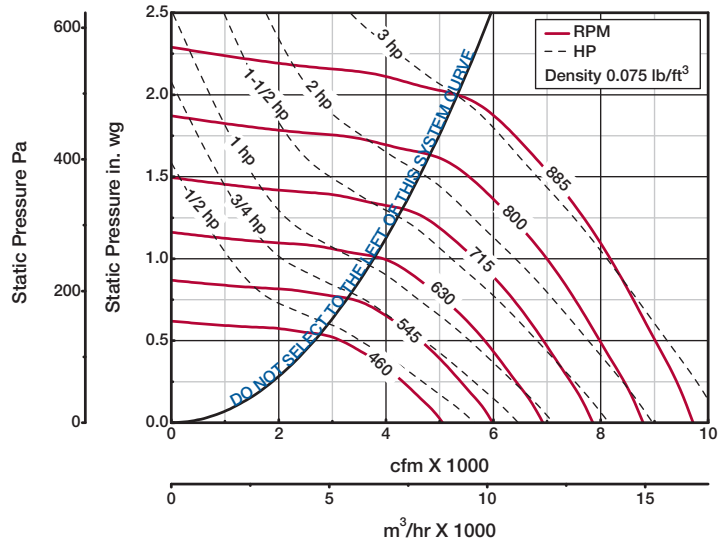
Performance certified is for installation type A: Free inlet, Free outlet. Power rating (BHP) does not include transmission losses. Performance ratings do not include the effects of appurtenances (accessories). The sound ratings shown are loudness values in fan sones at 5 ft. (1.5 m) in a hemispherical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

CWB-300HP - Belt Drive



Damper Size = 25 x 25 (635 x 635)
 Damper Frame Size = 27 x 27 (686 x 686)
 Wall Opening = 25 1/2 x 25 1/2 (648 x 648)
 Windband Thickness = 0.064 (1.6)
 Motor Cover Thickness = 0.051 (1.3)
 ^Approximate Unit Weight = 313 lb. (142 kg)

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



Model Number	Motor HP	Fan RPM	CFM / Static Pressure in Inches wg														
			0.5	0.625	0.75	0.875	1	1.125	1.25	1.5	1.625	1.75					
CWB-300HP-5	1/2	460	CFM	3125													
			BHP	0.44													
			Sones	7.3													
		485	CFM	3639													
			BHP	0.52													
			Sones	7.9													
CWB-300HP-7	3/4	555	CFM	4788	4288	3651											
			BHP	0.77	0.78	0.76											
			Sones	10.4	9.8	9.9											
		583	CFM	5180	4751	4233											
			BHP	0.88	0.90	0.90											
			Sones	11.3	10.8	10.2											
CWB-300HP-10	1	610	CFM	5549	5187	4731	4165										
			BHP	1.00	1.02	1.03	1.02										
			Sones	12.4	11.9	11.3	10.9										
		655	CFM	6154	5835	5470	5046	4513									
			BHP	1.22	1.25	1.27	1.28	1.26									
			Sones	14.3	13.8	13.3	12.7	12.2									
CWB-300HP-15	1 1/2	700	CFM	6741	6448	6149	5787	5390	4896								
			BHP	1.47	1.50	1.53	1.55	1.57	1.55								
			Sones	16.0	15.6	15.2	14.7	14.0	13.5								
		770	CFM	7613	7377	7107	6835	6535	6175	5814	4684						
			BHP	1.91	1.96	2.00	2.03	2.06	2.07	2.09	1.99						
			Sones	18.6	18.3	18.1	17.8	17.4	16.7	16.2	16.0						
CWB-300HP-30	3	809	CFM	8092	7867	7628	7369	7110	6808	6465	5668	5206					
			BHP	2.19	2.25	2.29	2.33	2.37	2.39	2.41	2.39	2.35					
			Sones	20	19.9	19.7	19.6	19.2	18.8	18.1	17.5	17.5					
		848	CFM	8567	8352	8138	7895	7648	7401	7100	6445	6023	5582				
			BHP	2.50	2.56	2.61	2.66	2.70	2.74	2.76	2.79	2.76	2.72				
			Sones	22	21	21	21	21	21	20	19.1	19.1	19.1				
		885	CFM	9014	8808	8603	8387	8150	7914	7678	7062	6748	6353				
			BHP	2.83	2.88	2.94	2.99	3.03	3.08	3.12	3.15	3.17	3.14				
			Sones	23	23	23	23	23	23	22	21	21	21				

MAXIMUM BHP AT A GIVEN RPM = (RPM/602)³
 MAXIMUM RPM = 885
 TIP SPEED (ft/min.) = RPM x 7.983
 MAXIMUM MOTOR FRAME SIZE = 213T
 AVERAGE DISCHARGE VELOCITY (FPM) = CFM/5.50

Performance certified is for installation type A: Free inlet, Free outlet. Power rating (BHP) does not include transmission losses. Performance ratings do not include the effects of appurtenances (accessories). The sound ratings shown are loudness values in fan 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 fan sone levels. The AMCA Certified Ratings Seal applies to sone ratings only.

Direct Drive Specifications

Spun aluminum exhaust fans shall be upblast centrifugal direct drive type. The fan wheel shall be centrifugal backward-inclined, constructed of aluminum and shall include a wheel cone carefully matched to the inlet cone for precise running tolerances. Wheels shall be statically and dynamically balanced. The fan housing shall be constructed of heavy-gauge aluminum with a rigid internal support structure.

Motors shall be mounted out of the airstream on vibration isolators. Fresh air for motor cooling shall be drawn into the motor compartment free of discharge contaminants. Motors shall be readily accessible for maintenance.

A disconnect switch shall be factory installed and wired from the fan motor to a junction box within the motor compartment. A conduit chase shall be provided through the curb cap to the motor compartment for ease of electrical wiring.

All fans shall bear the AMCA Certified Ratings Seal for Sound and Air performance.

Each fan shall bear a permanently affixed manufacturer's engraved metal nameplate containing the model number and individual serial number for future identification.

Specifier to select one of the following mounting configurations:

Roof Mounted Upblast Exhaust Fans

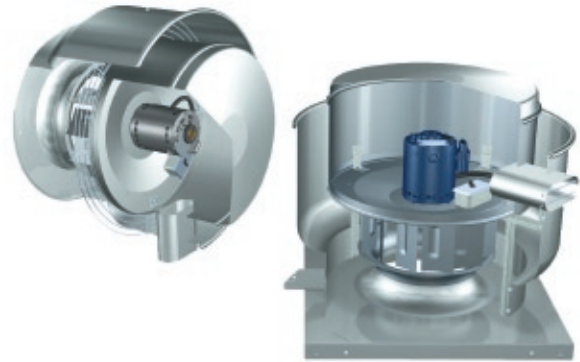
A leakproof fan housing shall be constructed with a one-piece windband with an integral rolled bead for added strength.

Fans shall be model CUE or CUE-HP as manufactured by Greenheck Fan Corporation, Schofield, WI.

Sidewall Mounted Exhaust Fans

A leakproof fan housing shall be constructed with a one-piece windband with an integral rolled bead for added strength. Fan shall be provided with a mounting plate, which is to be attached and sealed to the wall prior to locating the entire unit.

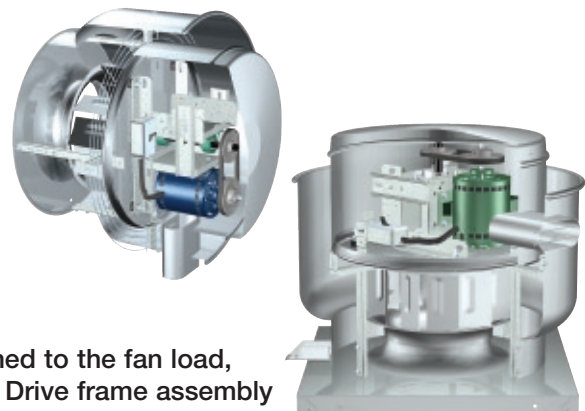
Fans shall be model CW or CW-HP as manufactured by Greenheck Fan Corporation, Schofield, WI.



Belt Drive Specifications

Spun aluminum exhaust fans shall be centrifugal belt driven type. The fan wheel shall be centrifugal backward-inclined, constructed of aluminum and shall include a wheel cone carefully matched to the inlet cone for precise running tolerances. Wheels shall be statically and dynamically balanced. The fan housing shall be constructed of heavy-gauge aluminum with a rigid internal support structure. The windband shall be welded to the one-piece curb cap and on all sizes with UL/cUL 762.

Motors shall be heavy-duty ball bearing type, carefully matched to the fan load, and furnished at the specified voltage, phase and enclosure. Drive frame assembly shall be constructed of heavy-gauge steel. Motors and drives shall be mounted on vibration isolators, out of the airstream where no steel-to-steel contact between rotating components and the base shall occur. Fresh air for motor cooling shall be drawn into the motor compartment through a ten square inch tube free of discharge contaminants. Motors and drives shall be readily accessible for maintenance.



Precision ground and polished fan shafts shall be mounted in permanently sealed, lubricated pillow block ball bearings. Bearings shall be selected for a minimum L_{10} life in excess of 100,000 hours (L_{50} life of 500,000 hours) at maximum cataloged operating speed. Drives shall be sized for a minimum of 150% of driven horsepower. Pulleys shall be of the cast type, keyed and securely attached to the wheel and motor shafts. Motor pulleys shall be adjustable for final system balancing. A disconnect switch shall be factory installed and wired from the fan motor to a junction box installed within the motor compartment. A conduit chase shall be provided through the base to the motor compartment for ease of electrical wiring.

All fans shall bear the AMCA Certified Ratings Seal for Sound and Air performance.

Each fan shall bear a permanently affixed manufacturer's engraved metal nameplate containing the model number and individual serial number for future identification.

Specifier to select one of the following mounting configurations:

Roof Mounted Upblast Exhaust Fans

A leakproof fan housing shall be constructed with a one-piece windband with an integral rolled bead for added strength and shall be joined to the curb cap with a continuously welded seam.

Fans shall be model CUBE, CUBE-HP, or CUBE-XP as manufactured by Greenheck Fan Corporation, Schofield, WI.

Sidewall Mounted Exhaust Fans

A leakproof fan housing shall be constructed with a one-piece windband with an integral rolled bead for added strength. Fan shall be provided with a mounting plate, which is attached and sealed to the wall prior to locating the entire unit.

Fans shall be model CWB or CWB-HP as manufactured by Greenheck Fan Corporation, Schofield, WI.

Options and Accessories For Belt and Direct Drives

UL/cUL Listed

Fans shall be Listed by Underwriters Laboratory for UL/cUL 705 for all electrical components.

Fans shall be Listed by Underwriters Laboratory for UL/cUL 762 for all electrical components and grease removal

Curb Extensions

Shall be mounted between roof curb and roof mounted fans to meet NFPA requirements of 40 inches minimum discharge above the roof when mounted on a minimum 8-inch high roof curb.

Grease Containers

Drain connection shall be constructed of aluminum and allow for single-point drainage of grease, water or other residues.

Grease trap shall include the drain connection and shall be constructed from aluminum. The unit shall collect grease and water from the fan and extract the grease from the water for ease of grease disposal.

Easy Clean Options

Hinge kit shall be constructed of heavy-gauge aluminum hinges and shall include hold open cables for field installation.

Non-stick wheel shall be constructed of aluminum with a non-stick coating similar to Teflon® as manufactured by Dupont™.

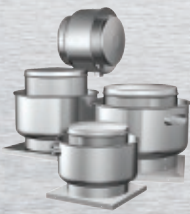
Clean-Out Port shall have a hole on the outside of the windband and a grease repellent compression rubber fit, allowing access to entire wheel for cleaning.

Windband Extension

Shall be constructed from heavy gauge aluminum tube that raises the discharge an additional 36 inches.



Additional Exhaust Solutions



Models CUE, CUBE, CW, and CWB, Series C, are commonly used for general clean air, mild grease, and fume hood exhaust applications. Both Roof Upblast and Sidewall configurations are specifically designed to discharge air directly away from the mounting surface. These models are constructed of aluminum and use an aluminum backward inclined wheel. They are UL/cUL Listed for electrical or grease. Performance ranges up to 5 in. wg (1245 Pa) and up to 30,000 cfm (51,000 m³/hr).



Model USGF is ideal for heavy grease exhaust applications as found in char broilers, solid fuel cooking, and oriental cooking. Sizes range from 140 to 200HP. All are UL Listed for electrical and grease applications and are capable of exhausting 400°F (204°C) continuously. The unit is constructed entirely of steel and includes the non-stick coated steel wheel, NEMA-3R disconnect, hinged curb cap, and clean-out port. Performance ranges up to 3.25 in. wg (810 Pa) and up to 6,800 cfm (11,600 m³/hr).



Model SWB centrifugal backward inclined belt driven utility fans are designed for supply, exhaust and return air applications requiring higher discharge velocities and high static pressures. The SWB Series 100 is for general clean air applications. The SWB Series 200 fans are constructed with heavy gauge steel. Designed for light industrial duty and grease applications, it's capacities range up to 27,000 cfm (45,900 m³/hr) and up to 5 in. wg (1245 Pa) of static pressure. SWB fans can be mounted indoors or outdoors.



Model TCB inline belt driven fans are the ideal choice for installations with straight-through airflow in ducted systems. The wheels used are designed to provide higher efficiencies and lower sound levels. The fan itself can be mounted horizontally or vertically. Performance ranges up to 24,000 cfm (40,800 m³/hr) and up to 4.5 in. wg (1120 Pa) of static pressure.



Building Value in Air

Greenheck delivers value to mechanical engineers by helping them solve virtually any air quality challenges their clients face with a comprehensive selection of

top quality, innovative air-related equipment. We offer extra value to contractors by providing easy-to-install, competitively priced, reliable products that arrive on time.

And building owners and occupants value the energy efficiency, low maintenance and quiet dependable operation they experience long after the construction project ends.

Our Warranty

Greenheck warrants this equipment to be free from defects in material and workmanship for a period of one year from the purchase date. Any units or parts which prove defective during the warranty period will be replaced at our option when returned to our factory, transportation prepaid. Motors are warranted by the motor manufacturer for a period of one year. Should motors furnished by Greenheck prove defective during this period, they should be returned to the nearest authorized motor service station. Greenheck will not be responsible for any removal or installation costs.

As a result of our commitment to continuous improvement, Greenheck reserves the right to change specifications without notice.



Prepared to Support Green Building Efforts

