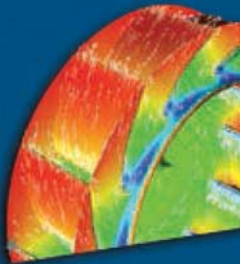


Plenum Fans

Models APM and APH

Belt and Direct Drive



 **GREENHECK**
Building Value in Air.

June
2015

Quiet & Efficient Plenum Fans

Models APM and APH plenum fans are designed and engineered to provide superior performance and reliability in commercial or industrial applications. Our products are manufactured with state-of-the-art laser, forming, spinning and welding equipment, and endure our quality control testing to ensure trouble free start-up. They are designed for unhooused operation, resulting in a savings of the space normally occupied by the fan housing. Additional space savings are realized when multiple duct takeoffs are required. Ductwork is connected directly to the pressurized plenum without intermediate transitions.

Typical applications include:

- Custom air handlers
- Built-up air handlers
- Packaged air handlers
- Parking garages
- General supply and return system



Greenheck Fan Corporation certifies that the Model APM and APH plenum 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.

Benefits of Greenheck's plenum fans

- Designed, engineered, and tested prior to shipment to provide years of smooth, vibration-free operation with minimal maintenance.
- Tiered model approach gives you flexibility in size, performance, and construction, matching the appropriate model to your application.
- 12-bladed aluminum airfoil wheel for better sound quality, higher efficiency, and lighter weight, allowing your fan to produce more airflow while using less energy.
- Quick and easy selection options along with AutoCAD® and Revit™ models available for download and integration into plan drawings, custom equipment schedules and specifications.
- CAPS™ selection software leads the industry in providing selection details, options, accessories, and full submittal packages. Or use eCAPS®, an easy-to-use cloud based cross-model selection program. eCAPS quickly ranks the tiered models based on performance, providing detailed estimated first cost, operating costs, weights, and dimensions.
- Easy installation with integral lifting points.



Made in U.S.A.

Models APM and APH plenum fans are designed and built in one of two manufacturing locations, Schofield, WI and Shelby, NC. Multiple manufacturing locations enables us to build fans and get them to you, our customer faster.



Lead-Time

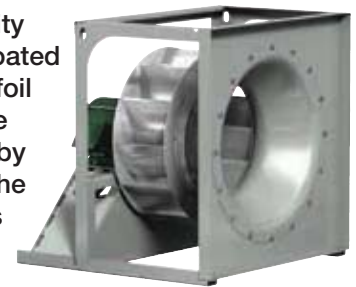
With the time between quote, order, and delivery getting shorter, Greenheck is introducing new programs to speed delivery of fans to keep your project on schedule. Fast Pass, when available on common configurations, speeds up lead-time to 15 days with no price impact. Quick Build can get your fan shipped fast. If time is critical, your fan can ship in as little as 5 or 10 days.

Program	Lead-Time
Standard	4 – 6 weeks
Fast Pass	15 Day (3 weeks)
Quick Build	5 Day, 10 Day

APM and APH – two solutions for your plenum design needs.

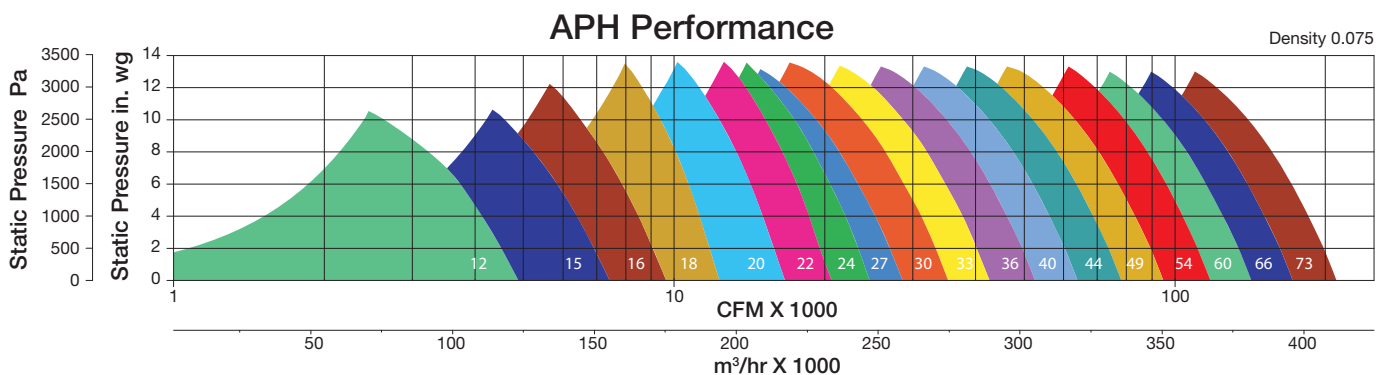
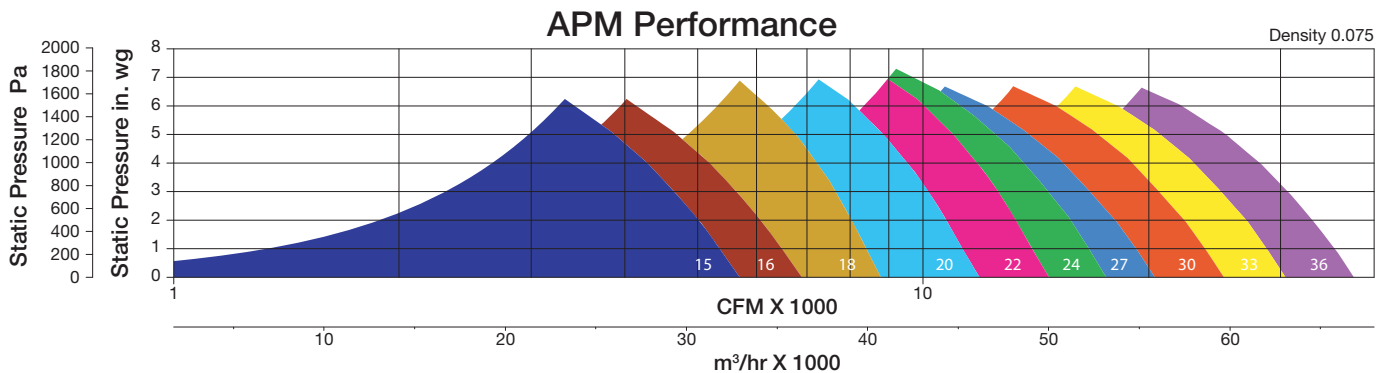
APM plenum fans are an ideal cost-effective solution for performances required in Class I and the majority of Class II ranges. Fan selection is simplified with one fan design for belt drive and one design for direct drive. Both designs feature the motor mounted directly to the fan to reduce the fan's footprint. The APM utilizes a bolt-together framework that is either galvanized or coated steel and features a high-efficiency, low sound 12-bladed aluminum airfoil wheel, making it the perfect selection for light and medium duty applications.

APH plenum fans are designed and engineered for superior performance and reliability for industrial applications. Model APH features welded construction and a powder coated framework. Quiet and efficient operation is achieved through the same 12-bladed airfoil aluminum wheel utilized on the model APM, thereby offering the highest performance capabilities. This wheel design saves energy and improves the overall sound quality by reducing low frequency tones which are difficult to attenuate. In addition to sharing the same high-efficiency and low sound wheel design as the APM, the APH also features longer life L₁₀ 80,000 hour bearings, and a wider range of mounting options and accessories. Available up to Class III.



Model Performance

Charts show performance capabilities by model and size. For complete AMCA licensed performance, refer to Greenheck's CAPS or eCAPS programs.



Drive Frame

All plenum fans feature a laser cut and formed framework. Model APM utilizes galvanized steel construction, while the APH features a fully welded design with Permator™, an electrostatically applied polyester urethane powder coat finish.

Fan Shaft

Shafting through 2 inches (50.8 mm) diameter is AISI (American Iron & Steel Institute) 1018 steel. Larger shafts are AISI 1045 steel. All shafts are turned, ground, polished and sized so the first critical speed is 150% of the maximum operating speed for increased bearing life and decreased vibration.

Premium Quality Bearings

Belt drive plenum fans are supplied with air handling quality bearings, which are 100% inspected to be within tolerance for swivel torque, noise levels, and bore size specifications. Other APH bearing design features include concentric mounting collars, which provide superior grip force between the collar and the fan shaft, and zerk fittings for lubrication.

Single Pressure Tap

A single pressure tap comes standard with the APH/APM on the inlet cone venturi for easy field airflow measurements.

12-Bladed Wheels

Traditional plenum centrifugal wheels utilize 9-blade wheel designs. Both the APH and APM plenums feature the same high efficiency and low sound 12-bladed airfoil design. The aluminum wheel reduces start-up torque requirements and shaft loading during operation. Blades for sizes 12-49 are constructed of 6063-T5 aluminum extrusions, while sizes 54-73 utilize precision laser cut and die formed 5052 aluminum blades to improve efficiency and reduce vibration. All wheels are balanced to grade G6.3 per ANSI S2.19. The two performance examples below demonstrate the superior performance of the 12-bladed design.



Size 18 Performance Criteria of 5,500 cfm @ 5 in. wg

Wheel Type	RPM	Brake HP	Motor HP Size	Static Efficiency	dBA*
9-Blade	2607	7.76	10	56%	85
12-Blade	2400	6.37	7.5	68%	79

*Overall A-weighted inlet sound pressure levels @ 5 feet

Size 33 Performance Criteria of 21,500 cfm @ 5 in. wg

Wheel Type	RPM	Brake HP	Motor HP Size	Static Efficiency	dBA*
9-Blade	1469	26.9	30	63%	85
12-Blade	1416	23.9	25	71%	81

*Overall A-weighted inlet sound pressure levels @ 5 feet

Quality Assurance

All plenum fans are tested at the design speed in the factory after final assembly. Fans are checked for amp draw with levels recorded. APH (APM optional) are also subjected to a complete vibration analysis in three planes. The recorded filter-in vibration levels at the FRPM meet the requirements of AMCA/ANSI Standard 204-05 (Balance Quality and Vibration Levels for Fans). A permanent record of the test is kept on file at the factory for future reference. A copy of the test report is available upon request.

AMCA/ANSI
Standard 204-05

Drive	Standard	In/sec. (mm/sec.)
Belt	BV-3	0.15 (3.81)
Direct	BV-5	0.08 (2.03)

AMCA Air and Sound Certification

AMCA Certification assures that all Greenheck plenum fans will perform as cataloged. Fans are rated for air performance, as well as sound levels (inlet and outlet).

Model	Performance		Frame Type	Finish	Bearing Type	Bearing Life	Single Pressure Tap	Vibration Testing
	Volume (CFM)	Static Pressure In. wg						
APM	1,150-36,000	Up to 5	Bolted	Galvanized	Set Screw	L ₁₀ 40,000 Hours	Included	Optional
APH	1,150-210,000	Up to 12	Welded	Painted	Concentric	L ₁₀ 80,000 Hours	Included	Included

Fan Monitoring System

Greenheck's Fan Monitoring System (FMS) is designed to allow facilities and maintenance managers the ability to stay connected with their critical ventilation products. The FMS package includes a pre-programmed monitor along with a wide selection of commonly applied sensors to monitor the overall equipment health, plan maintenance, and energy usage.

Fan Monitoring System Benefits

- Pre-programmed electronics with commonly applied sensors
- Applicable to any fan type in easy-to-access or remote locations
- Connects with Building Management System (BMS)
- Customizable to unique installations and applications
- Schedule maintenance based on operation, not calendar dates

Sensor Packages:

- Vibration (fan/motor)
- Bearing temperature
- System pressures
- System temperatures (airstream)
- Amp draw
- Fan RPM

System Integration



Sure-Aire™



The Sure-Aire airflow monitoring station measures fan flow within an accuracy of 3%. Unlike traditional flow probes mounted in the fan venturi that create a system effect hindering a fan's performance, Sure-Aire does not interfere with airflow and will not impact the fan's air or

sound performance. This option is available on APM and APH models and ships completely assembled from our factory.

An electronics package with pressure transmitter and digital read out is available with the Sure-Aire system. The electronic kits are available for 50 or 60 Hz power supplies and provide a 4-20 mA or 0-10 volt output that can be tied into the building's management system.

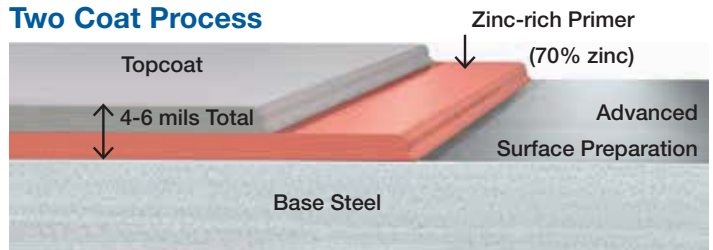


Standard and Special Coatings

Standard powder coatings are thermosetting polyester urethane, electrostatically applied before assembly so each manufactured component is coated inside and out. Our standard color is concrete grey, RAL 7023. Consult Greenheck's Product Application Guide, Performance Coatings for Ventilation Products for a complete listing of coatings and a relative resistance chart.

Special coatings are available for protective purposes. For higher levels of corrosion resistance, use Greenheck's zinc-rich basecoat. Our advanced two-coat powder application includes a basecoat of zinc-rich epoxy powder and a topcoat of Greenheck's Permator™ or Hi-Pro Polyester.

Two Coat Process



Vibration Isolators and Isolation Bases

Greenheck offers a complete package of vibration isolators and isolation bases to simplify field assembly and reduce transmitted vibrations. Refer to Mounting Bases and Vibration Isolation catalog on www.greenheck.com.

Neoprene Rubber Mounts

Mountings consist of a steel top plate and base plate completely embedded in colored (oil-resistant) neoprene for easy identification of capacity. Mountings are furnished with a tapped hole in the center, allowing the equipment to be bolted securely to the rubber mount.



Neoprene

Free Standing

These isolators are unshoused laterally stable steel springs, equipped with a top-mounted adjusting bolt and an acoustical non-skid base. The polyester powder coated springs are color coded to indicate load capacity. Designed with 50% overload capacity.



Free Standing

Restrained Spring Mounts

These isolators are laterally stable free standing springs, assembled into a hot dip galvanized steel housing. The springs provide 50% overload capacity and are color coded to indicate load capacity. These assemblies are designed for vertical and horizontal motion restraint to withstand 1.0 g acceleration force, and are recommended for equipment subject to wind loading or large torquing forces.



Restrained

Isolation (Unitary) Bases

Bases provide additional mass and rigidity to the fan assembly. They dampen vibration and are required on fans with independently mounted motors, or motor on base configurations.

Isolation bases consist of formed steel members welded into a rigid one piece base. Motor slide rails are included where applicable.

Isolation bases are available with or without isolators. When spring isolators are used, optional height savings brackets reduce the overall operating height of the fan.



Unitary Base
(shown with optional isolators)



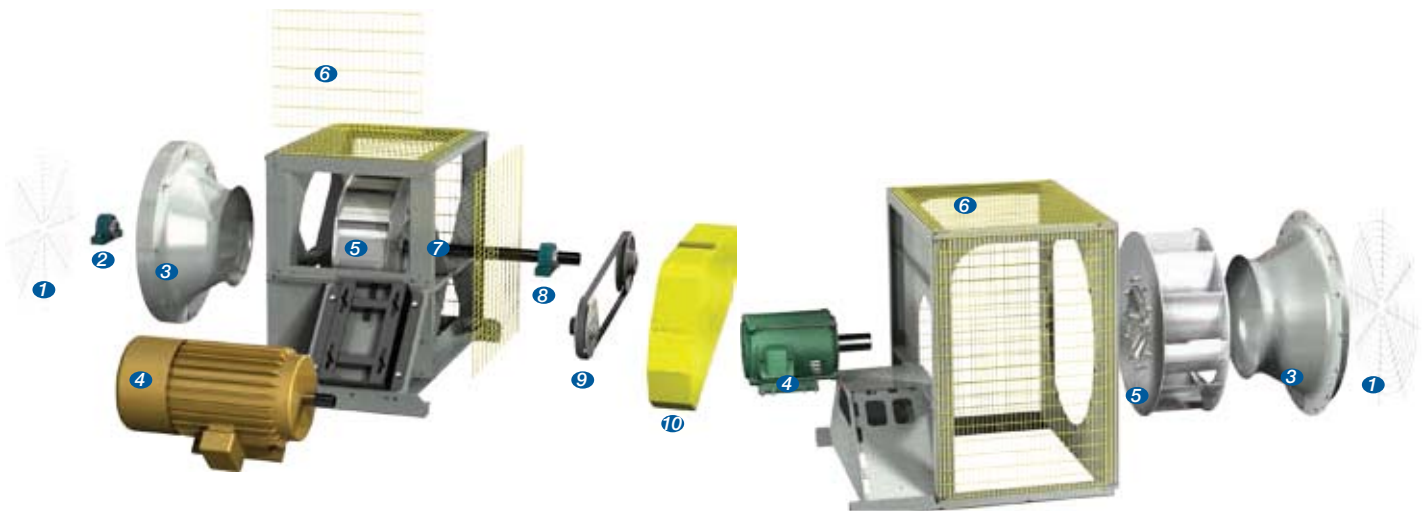
Isolation Base with Height Savings Brackets
(shown with isolators)



APM Arr. 3 Motor On Top (MOT)
with guards



APH Arr. 4, Horizontal, shown being vibration tested



- 1. Inlet Guard
- 2. Opposite Drive Side Bearing
- 3. Inlet Cone
- 4. Motor
- 5. Airfoil Wheel
- 6. Protective Cage (4 sided)
- 7. Shaft
- 8. Drive Side Bearing
- 9. Belt(s), Shaft Pulley, Motor Pulley
- 10. Belt Guard

Accessories										
Model	Inlet Guards	Protective Cage	Belt Guards	Sure-Aire	Isolators	Vibration Test	Isolation Base	Extended Life Bearings	Painted Construction	Fan Monitoring System
APM	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	NA	Option for 80K	<input type="checkbox"/>	<input type="checkbox"/>
APH	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Option for 200K	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Standard Optional

Extended Lube Line Kit

Allow for bearing lubrication from a remote location. Ideal for guarded fans or for relocating all lubrication requirements to a single, readily accessible location.

Factory Selected Drives

Cast iron sheaves and matched belts are standard with a 1.5 drive service factor. Installed and aligned to provide reduced vibration levels and minimize installation costs.

Motor for use with Variable Frequency Drive

All motors meet EISA or NEMA Premium efficiencies and are available in VFD compatible construction.

Additional option to include is shaft grounding for VFD motor protection against harmful induced voltages. Shaft grounding provides an alternate “path of least resistance” for shaft currents to ground, not through your motor bearings.

Extended Life Bearings

Air handling quality, pillow block bearings meet a basic rating fatigue life L_{10} , per ABMA standards. Extended life bearings are in excess of 40,000 hours for APM and 80,000 hours for APH at maximum operating speed. Equivalent to average or L_{50} life 400,000 hours and 1,000,000 hours respectively.

Inlet Guard

Assembled and mounted low-pressure loss, zinc coated guards.

Belt Guard

Custom guarding with two tachometer holes and belt tension inspection door, assembled and mounted.

Protective Cage

Enclosed guard to protect personnel from unshoused spinning wheel. Provided in safety yellow. Typically packaged with a belt guard and shaft guard to provide complete protection. Not available on arrangement 4.

Shaft Guard

Formed guard that covers the shaft between the belt guard and the plenum cage (arrangement 1 only).

Motor On Base (MOB)



Arrangement 1

*Shown on base by Greenheck or others



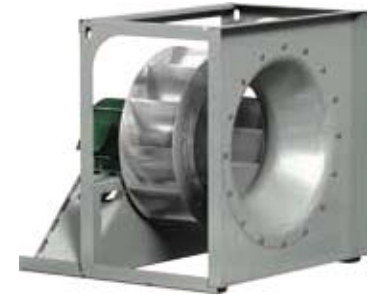
Arrangement 3

*Shown on base by Greenheck or others

Motor On Frame



Arrangement 3, Motor On Side (MOS)



Arrangement 4, Horizontal



Arrangement 3, Motor On Top (MOT)



Arrangement 4, Vertical

Arrangement 1

Belt drive with both fan shaft bearings on the drive side of the wheel. All service to motor, drives and bearings is performed on back side of the housing. The motor is mounted independently of the housing framework with an isolation base required for this arrangement. Accommodates larger motor frame sizes and horsepowers.

Arrangement 3

Belt drive operation in a space-saving arrangement compared arrangement 1. Fan shaft bearings are located at inlet and on drive side which reduces overall length. Option to have the motor mounted on the frame or on an isolation base. Base configurations accommodate larger motor frame sizes and horsepower.

Arrangement 4

Direct drive operation offers a compact design, small footprint, and smooth operation. Available in horizontal or vertical configuration with wheel mounted to the motor shaft. Minimal maintenance is required on motor.

Arrangement	4	4	3 MOT	3 MOS	3 MOB	1 MOB
Orientation	Horizontal	Vertical	Horizontal	Horizontal	Horizontal	Horizontal
APM Sizes	15-36	15-24	18-36	18-36	-	-
APH Sizes	15-60	15-40	18-44	18-44	18-73	12-73

Motor Positions - Motor positions as viewed from drive side



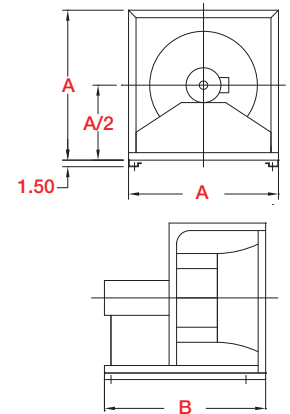
Arrangement 3
Motor On Side (MOS)



Arrangement 1 or 3
Motor On Base (MOB)

APM Arrangement 4, Horizontal

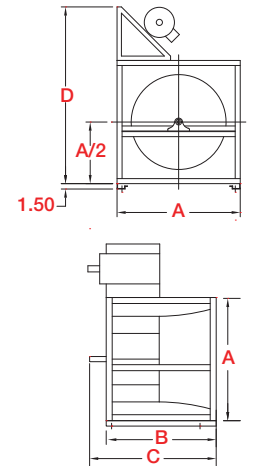
Size	A	A/2	B*	Motor Frame Size			Weight* (lbs.)		
				Min		Max	Class		
				Class I	Class II		Class I	Class II	Class III
15	21.0	10.5	29.3	143	143	215	85	85	85
16	23.1	11.6	30.4	143	143	215	94	94	94
18	25.6	12.8	35.9	143	143	256	116	116	118
20	28.0	14.0	37.3	182	182	256	131	131	133
22	31.2	15.6	38.9	182	213	256	151	156	160
24	34.3	17.2	40.6	182	213	256	194	199	204
27	37.8	18.9	42.5	213	213	256	229	229	239
30	42.0	21.0	46.8	213	213	286	315	318	326
33	46.2	23.1	49.0	254	254	286	371	388	396
36	46.2	23.1	51.6	254	254	286	416	416	419



* Based on maximum motor frame size

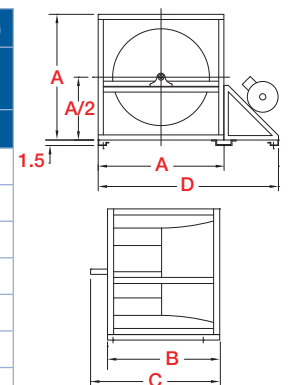
APM Arrangement 3, Motor on Top (MOT)

Size	A	A/2	B	C		D		Motor Frame Sizes				Weight (lbs.)	
				Class		Class		Min - Class		Max - Class		Class	
				I	II	I	II	I	II	I	II	I	II
18	25.6	12.8	23.9	27.3	27.9	36.9	36.9	56	145	184	184	165	176
20	28.0	14.0	25.3	28.6	29.3	41.0	41.0	56	182	215	215	199	206
22	31.2	15.6	28.9	32.3	32.9	44.1	44.1	56	182	215	215	238	252
24	34.3	17.2	30.6	34.0	35.3	49.2	49.2	56	184	254	254	334	348
27	37.8	18.9	32.5	35.9	37.1	52.7	52.7	56	213	256	256	378	390
30	42.0	21.0	34.8	38.8	39.4	56.9	58.3	56	213	256	286	498	533
33	46.2	23.1	38.5	42.5	43.8	62.5	62.5	56	215	284	286	621	653
36	46.2	23.1	41.1	45.1	46.4	62.5	64.6	143	215	284	326	666	726



APM Arrangement 3, Motor on Side (MOS)

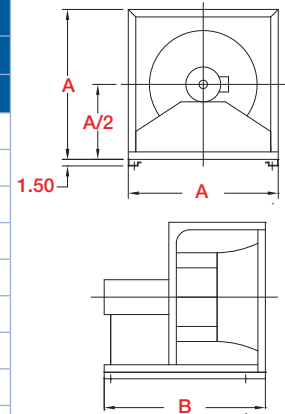
Size	A	A/2	B	C		D		Motor Frame Sizes				Weight* (lbs.)	
				Class		Class		Min - Class		Max - Class		Class	
				I	II	I	II	I	II	I	II	I	II
18	25.6	12.8	23.9	27.3	27.9	36.9	36.9	56	145	184	184	168	179
20	28.0	14.0	25.3	28.6	29.3	41.0	41.0	56	182	215	215	202	209
22	31.2	15.6	28.9	32.3	32.9	44.1	44.1	56	182	215	215	242	257
24	34.3	17.2	30.6	34.0	35.3	49.2	49.2	56	184	254	254	339	354
27	37.8	18.9	32.5	35.9	37.1	52.7	52.7	56	213	256	256	384	396
30	42.0	21.0	34.8	38.8	39.4	56.9	58.3	56	213	256	286	507	542
33	46.2	23.1	38.5	42.5	43.8	62.5	62.5	56	215	284	286	632	663
36	46.2	23.1	41.1	45.1	46.4	62.5	64.6	143	215	284	326	677	737



APH Arrangement 4, Horizontal

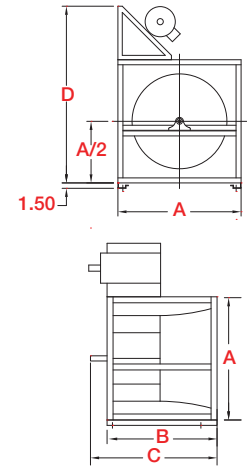
Size	A	A/2	B*			Motor Frame Sizes						Weight* (lbs.)		
			Class			Min - Class			Max - Class			Class		
			I	II	III	I	II	III	I	II	III	I	II	III
15	21.0	10.5	29.3	29.3	33.0	143	143	143	215	215	256	82	82	87
16	23.1	11.6	34.1	34.1	34.1	143	143	143	256	256	256	96	96	96
18	25.6	12.8	35.9	35.9	37.4	143	143	143	256	256	286	117	117	139
20	28.0	14.0	37.3	37.3	40.3	182	182	182	256	256	326	131	131	184
22	31.2	15.6	38.9	40.4	41.9	182	213	213	256	286	326	152	183	216
24	34.3	17.2	40.6	42.1	43.6	182	213	213	256	286	326	178	212	248
27	37.8	18.9	42.5	44.0	45.5	213	213	213	256	286	326	267	306	351
30	42.0	21.0	46.8	48.3	49.1	213	213	213	286	326	365	382	432	437
33	46.2	23.1	50.5	51.4	51.4	254	254	254	326	365	365	507	521	529
36	46.2	23.1	54.0	54.0	56.3	254	254	254	365	365	405	549	549	556
40	51.1	25.6	56.8	56.8	62.7	284	284	284	365	365	445	711	711	757
44	56.4	28.2	62.3	62.3	65.9	284	284	284	405	405	445	857	868	905
49	62.3	31.2	69.8	69.8	69.8	324	324	324	445	445	445	1162	1181	1233
54	68.6	34.3	73.7	73.7	73.7	324	324	324	445	445	445	1340	1396	1406
60	76.0	38.0	78.5	78.5	78.5	364	364	364	445	445	445	1324	1683	1755

* Based on maximum motor frame size



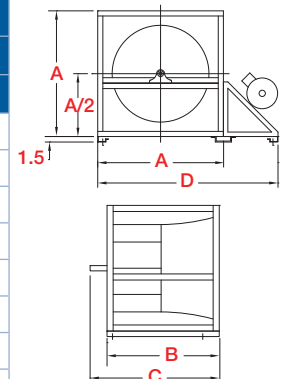
APH Arrangement 3, Motor on Top (MOT)

Size	A	A/2	B	C		D		Motor Frame Size				Weight (lbs.)	
				Class		Class		Min - Class		Max - Class		Class	
				I	II	I	II	I	II	I	II	I	II
18	25.6	12.8	23.9	27.3	27.9	36.9	36.9	143	145	184	184	141	152
20	28.0	14.0	25.3	28.6	29.3	41.0	41.0	143	182	215	215	168	175
22	31.2	15.6	28.9	32.3	32.9	44.1	44.1	143	182	215	215	205	219
24	34.3	17.2	30.6	34.0	35.3	49.2	49.2	143	184	254	254	281	295
27	37.8	18.9	32.5	35.9	37.1	52.7	52.7	143	213	256	256	324	336
30	42.0	21.0	34.8	38.8	39.4	56.9	58.3	143	213	256	286	449	475
33	46.2	23.1	38.5	42.5	43.8	62.5	62.5	143	215	284	286	564	596
36	46.2	23.1	41.1	45.1	46.4	62.5	64.6	143	215	284	326	607	654
40	51.1	25.6	43.9	48.6	49.2	67.4	69.5	145	254	286	326	844	886
44	56.4	28.2	49.4	54.0	55.3	74.8	74.8	145	256	324	326	1065	1115



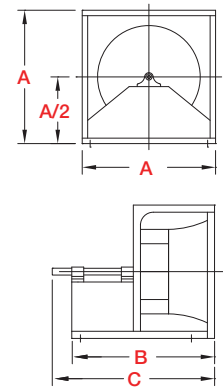
APH Arrangement 3, Motor on Side (MOS)

Size	A	A/2	B	C		D		Motor Frame Size				Weight (lbs.)	
				Class		Class		Min - Class		Max - Class		Class	
				I	II	I	II	I	II	I	II	I	II
18	25.6	12.8	23.9	27.3	27.9	36.9	36.9	143	145	184	184	147	158
20	28.0	14.0	25.3	28.6	29.3	41.0	41.0	143	182	215	215	175	182
22	31.2	15.6	28.9	32.3	32.9	44.1	44.1	143	182	215	215	212	227
24	34.3	17.2	30.6	34.0	35.3	49.2	49.2	143	184	254	254	293	308
27	37.8	18.9	32.5	35.9	37.1	52.7	52.7	143	213	256	256	337	348
30	42.0	21.0	34.8	38.8	39.4	56.9	58.3	143	213	256	286	467	493
33	46.2	23.1	38.5	42.5	43.8	62.5	62.5	143	215	284	286	584	616
36	46.2	23.1	41.1	45.1	46.4	62.5	64.6	143	215	284	326	628	675
40	51.1	25.6	43.9	48.6	49.2	67.4	69.5	145	254	286	326	873	915
44	56.4	28.2	49.4	54.0	55.3	74.8	74.8	145	256	324	326	1102	1152



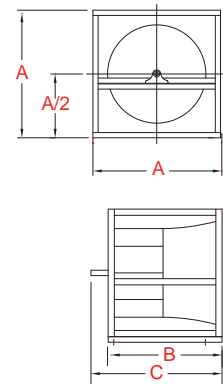
APH Arrangement 1, Motor on Base (MOB)

Size	A	A/2	B	C*			Weights (lbs.)		
				Class			Class		
				I	II	III	I	II	III
12	21.0	10.5	21.2	24.0	24.6	-	64	68	-
15	21.0	10.5	23.1	25.8	26.4	27.1	72	81	81
16	23.1	11.6	24.7	27.5	28.1	28.7	80	86	89
18	25.6	12.8	27.2	30.6	31.2	31.8	100	107	110
20	28.0	14.0	29.2	32.5	33.2	34.4	121	126	130
22	31.2	15.6	31.7	35.1	35.7	36.9	143	153	165
24	34.3	17.2	34.2	37.6	38.8	39.4	168	179	202
27	37.8	18.9	37.0	40.4	41.6	42.2	243	252	272
30	42.0	21.0	40.9	44.9	45.5	46.7	300	312	338
33	46.2	23.1	44.2	48.2	49.5	50.1	367	395	431
36	46.2	23.1	48.1	52.1	53.4	55.4	414	435	458
40	51.1	25.6	52.3	57.0	57.6	59.6	541	554	597
44	56.4	28.2	57.1	61.7	63.0	65.6	619	656	696
49	62.3	31.2	62.6	67.9	68.5	71.1	851	890	980
54	68.6	34.3	68.5	73.8	75.8	77.0	1134	1212	1235
60	76.0	38.0	75.5	80.7	84.0	84.0	1394	1475	1606
66	84.0	42.0	82.2	88.1	90.7	90.7	1741	1864	1877
73	92.4	46.2	90.0	95.9	98.5	98.5	1953	2075	2128



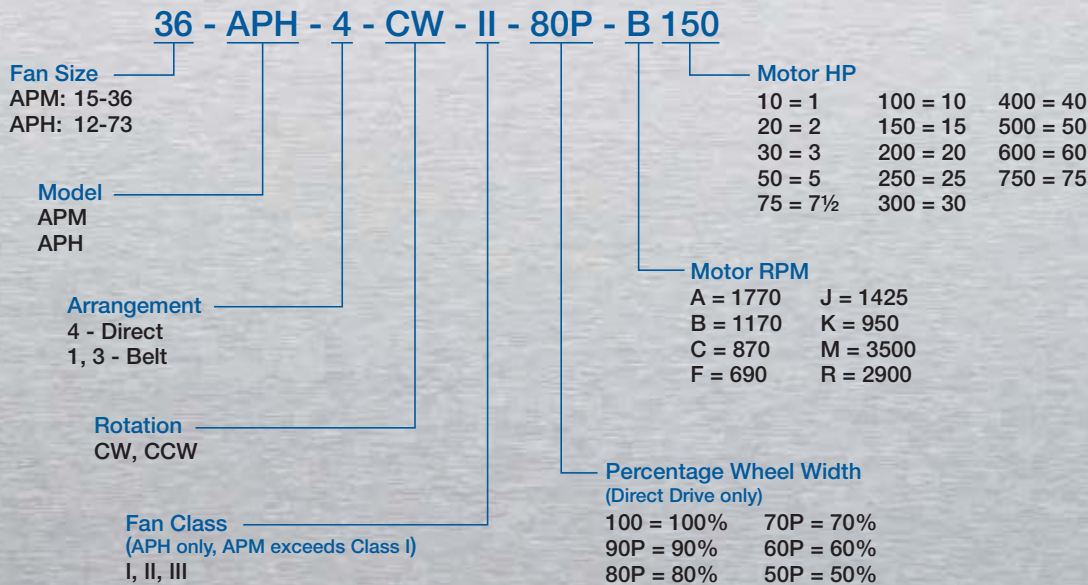
APH Arrangement 3, Motor on Base (MOB)

Size	A	A/2	B	C*			Weights (lbs.)		
				Class			Class		
				I	II	III	I	II	III
18	25.6	12.8	20.9	24.3	24.9	25.6	109	120	124
20	28.0	14.0	22.3	25.6	26.3	27.5	127	134	137
22	31.2	15.6	25.9	29.3	29.9	31.2	160	174	187
24	34.3	17.2	27.6	31.0	32.3	32.9	218	233	261
27	37.8	18.9	29.5	32.9	34.1	34.8	260	272	293
30	42.0	21.0	31.8	35.8	36.4	37.6	370	386	417
33	46.2	23.1	35.5	39.5	40.8	41.4	471	502	543
36	46.2	23.1	38.1	42.1	43.4	45.4	513	540	566
40	51.1	25.6	40.9	45.6	46.2	48.2	722	740	785
44	56.4	28.2	46.4	51.0	52.3	54.9	905	954	996
49	62.3	31.2	49.8	55.0	55.6	58.3	1069	1112	1221
54	68.6	34.3	53.7	58.9	60.9	62.2	1223	1311	1350
60	76.0	38.0	58.0	63.3	66.5	66.5	1446	1539	1682
66	84.0	42.0	62.5	68.4	71.0	71.0	1794	1863	1944
73	92.4	46.2	67.8	73.6	76.3	76.3	2112	2188	2318



APM and APH Model Code

Plenum Model Number Code:



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

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

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