

THE NEW YORK BLOWER COMPANY 7660 Quincy Street Willowbrook, IL 60527-5530

Visit us on the Web: http://www.nyb.com Phone: (800) 208-7918 Email: nyb@nyb.com INSTALLATION MAINTENANCE, OPERATING INSTRUCTIONS

IM-120

DUCT FANS - TUBEAXIAL FANS - VANEAXIAL FANS TUBULAR ACOUSTAFOIL FANS



WORD ABOUT SAFETY

Beginning in June 2012, the above **WARNING** signage has been placed on all **nyb** fans, as specified by ISO and recommended by the European Union. Air moving equipment involves electrical wiring, moving parts, sound, and air velocity or pressure which can create safety hazards if the equipment is not properly installed, operated and maintained. To minimize this danger, follow these instructions as well as the additional instructions and warnings on the equipment itself.

All installers, operators and maintenance personnel should study AMCA Publication 410, "Recommended Safety Practices for Air Moving Devices", which is included as part of every shipment. Additional copies can be obtained by writing to New York Blower Company, 7660 Quincy St., Willowbrook, IL 60527.

ELECTRICAL DISCONNECTS

Every motor driven fan should have an independent disconnect switch to isolate the unit from the electrical supply. It should be near the fan and must be capable of being locked by maintenance personnel while servicing the unit, in accordance with OSHA procedures.

MOVING PARTS

All moving parts must have guards to protect personnel. Safety requirements vary, so the number and type of guards needed to meet company, local and OSHA standards must be determined and specified by the user. Never start a fan without having all safety guards installed. Check regularly for damaged or missing guards and do not operate any fan with guards removed. Fans can also become dangerous because of potential "windmilling", even though all electrical power is disconnected. Always block the rotating assembly before working on any moving parts.

SOUND

Some fans can generate sound that could be hazardous to exposed personnel. It is the responsibility of the system designer and user to determine sound levels of the system, the degree of personnel exposure, and to comply with applicable safety requirements to protect personnel from excessive noise. Consult **nyb** for fan sound power level ratings.

AIR PRESSURE AND SUCTION

In addition to the normal dangers of rotating machinery, fans present another hazard from the suction created at the fan inlet. This suction can draw materials into the fan where they become high velocity projectiles at the outlet. It can also be extremely dangerous to persons in close proximity to the inlet, as the forces involved can overcome the strength of most individuals. Inlets and outlets that are not ducted should be screened to prevent entry and discharge of solid objects.



Danger: Do Not Enter/Confined Space

ACCESS DOORS

The above DANGER decal is placed on all **nyb** cleanout doors. These doors, as well as access doors to the duct system, should never be opened while the fan is in operation. Serious injury could result from the effects of air pressure or suction. Quick-opening doors must have the door handle bolts securely tightened to prevent accidental or unauthorized opening. Bolted doors must be tightened for the same reason.

RECEIVING AND INSPECTION

The fan and accessories should be inspected on receipt for any shipping damage. Turn the wheel by hand to see that it rotates freely and does not bind. If dampers or shutters are provided, check these accessories for free operation of all moving parts. F.O.B. factory shipping terms require that the receiver be responsible for inspecting the equipment upon arrival. Note damage or shortages on the Bill of Lading and file any claims for damage or loss in transit. **nyb** will assist the customer as much as possible; however, claims must be originated at the point of delivery.

HANDLING AND STORAGE

Fans should be lifted by the base, mounting supports, or lifting eyes only. Never lift a fan by the wheel, shaft, motor, motor bracket, housing inlet, outlet, or any fan part not designed for lifting. A spreader should be used to avoid damage.

Whenever possible, fans and accessories should be stored in a clean, dry location to prevent rust and corrosion of steel components. If outdoor storage is necessary, protection should be provided. Cover the inlet and outlet to prevent accumulation of dirt and moisture. Cover motors with waterproof material. Refer to the bearing section for further instructions.

Check dampers for free operation and lubricate moving parts prior to storage. Inspect the stored unit periodically. Rotate the wheel by hand every two weeks to redistribute grease on internal bearing parts.

FAN INSTALLATION

nyb wheels are dynamically balanced when fabricated. Fully assembled fans are test run at operating speeds to check the entire assembly for conformance to nyb vibration limits. Nevertheless, all units must be adequately supported for smooth operation. Ductwork or stacks should be independently supported as excess weight may distort the fan housing and cause contact between moving parts. Where vibration isolators are used, consult the nyb certified drawing for proper location and adjustment. Access panels should be provided in the work immediately adjacent to the fan inlet and outlet to facilitate inspection and maintenance of internal parts.

Slab-Mounted Units

A correctly designed and level concrete foundation provides the best means of installing floor-mounted fans. The mass of the base must maintain the fan/driver alignment, absorb normal vibration, and resist lateral loads. The overall dimensions of the concrete base should extend at least six inches beyond the base of the fan. The weight of the slab should be two to three times the weight of the rotating assembly, including the motor. The foundation requires firmly anchored fasteners such as the anchor bolts shown in Figure 1. Anchor bolts should be one standard size smaller than bolt hole diameter shown on sales drawings. Hammer-drilled expansion fasteners can be used in less demanding applications.

Move the fan to the mounting location and lower it over the anchor securely.

Elevated Units

When we elevated or suspended structural steel platform is used, it must have sufficient bracing to support the unit load and prevent side sway. The platform should be of welded construction to maintain permanent alignment of all members.

Duct Mounted Units

Duct mounted units may be mounted directly to the duct system in any position provided the supporting duct is structurally adequate. Mount the fan to the duct with the appropriate bolts.

Roof Mounted Units

Before mounting roof mounted units, the curb must be prepared. For details, see Figure 2.

Move the roof mounted fan to its mounting location and lower it over the curb. Tap the curb cap until the unit rests flat on the curb. Using 3/8" lag screws with neoprene washers and flat washers, anchor the unit to the curb.

Guy wire bracing must be provided when necessary on large roof mounted units to prevent side sway.

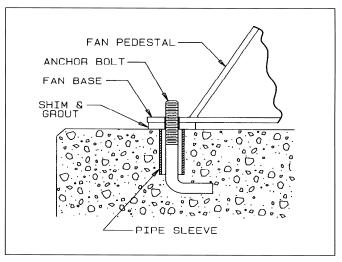


Figure 1

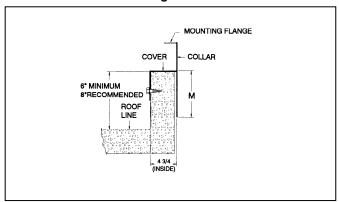


Figure 2

M- Dimension

Tubular AcoustaFoil Fans: Sizes $12 \rightarrow 22 - 4$ 1/2", $24 \rightarrow 49-5$ ", $54 \rightarrow 73 - 6$ " Duct, Tubeaxial, and Vaneaxial Fans: Sizes $12 \rightarrow 27 - 4$ 1/2", $29 \rightarrow 60 - 5$ "

V-BELT DRIVE

Installation

- 1. Remove all foreign material from the fan and motor shafts. Coat shafts with machine oil for easier mounting.
- Check sheaves bores and bushings for nicks or burrs and mount sheaves on shaft. Avoid using force. If resistance is encountered, lightly polish the shaft with emery cloth until the sheave slides on freely. Leave the bushing bolts loose for alignment.
- Adjust the motor on its base to a position closest to the fan shaft. Install belts by working each one over the sheave grooves until all are in position. Never pry the belts into place. On nyb packaged fans, sufficient motor adjustment is provided for easy installation of the proper size balls.
- Adjust sheaves so that the sheave faces are in the same plane. Check this by placing a straightedge across the faces of the sheaves. Any gap between the edge and sheave faces indicates misalignment. IMPORTANT: This method is only valid when the width of the surface between the belt edge and the sheave face is the same for both sheaves. When they are not equal, or when using adjustable-pitch sheaves, adjust so that all belts have approximately equal tension. Both shafts should be at right angles to the center belt. Tighten the tapered bushing bolts sequentially so that equal torque is applied to each.

Belt Tensioning

- Check belt tension with a tensioning gage and adjust using the positive screw adjustment feature. Excess tension shortens bearing life while insufficient tension shortens belt life, can reduce fan performance and may cause vibration. The lowest allowable tension is that which prevents slippage under full load. Belts may slip during start-up, but slipping should stop as soon as the fan reaches full speed. For more precise tensioning methods, consult the drive manufacturer's literature.
- 2. Recheck setscrews, rotate the drive by hand and check for rubbing. Complete the installation by installing the belt guard.
- Belts tend to stretch somewhat after installation. Recheck tension after several days of operation. Check sheave alignment as well as setscrew and/or bushing bolt tightness.

START-UP

Safe operation and maintenance includes the selection and use of appropriate safety accessories for the specific installation. This is the responsibility of the system designer and requires consideration of equipment location and accessibility as well as adjacent components. All safety accessories must be installed properly prior to start-up.

Safe operating speed is a function of system temperature and wheel design. Do not under any circumstances exceed the maximum safe fan speed published in the **nyb** bulletin, which is available from your **nyb** field sales representative.

Procedure

- If the drive components are not supplied by nyb, verify with the manufacturer that the motor's starting torque is adequate for the speed and inertia of the fan.
- 2. Inspect the installation prior to starting the fan. Check for any loose items or debris that could be drawn into the fan or dislodged by the fan discharge. Check the interior of the fan as well. Turn the wheel by hand to check for binding.
- 3. Check drive installation and belt tension.
- Check the tightness of all setscrews, nuts and bolts. When furnished, tighten hub setscrews with the wheel oriented so that the setscrew is positioned underneath the shaft.
- Install all remaining safety devices and guards. Verify that the supply voltage is correct and wire the motor. "Bump" the starter to check for proper wheel rotation.
- 6. Use extreme caution when testing the fan with ducting disconnected. Apply power and check for unusual sounds or excessive vibration. If either exists, see the section on Common Fan Problems. To avoid motor overload, do not run the fan for more than a few seconds if ductwork is not fully installed. On larger fans, normal operating speed may not be attained without motor overload unless ductwork is attached. Check for correct fan speed and complete the installation. Ductwork and guards must be fully installed for safety.
- Setscrews should be rechecked after a few minutes, eight hours and two weeks of operation (see Tables 1 & 2 for correct tightening torques).

NOTE: Shut the fan down immediately if there is any sudden increase in fan vibration.

Table 1 - WHEEL SETSCREW TORQUES

Setscrew Size	Carbon Steel Setscrew Torque*						
Diameter (in.)	lbin.	lbft.					
1/4	75	6.2					
5/16	144	12					
3/8	252	21					
7/16	396	33					
1/2	600	50					
5/8	1164	97					
3/4	2016	168					
7/8	3204	267					
1	4800	400					

^{*} Stainless Steel setscrews are not hardened and should not be tightened to more than 1/2 the values shown.

Table 2 - BEARING SETSCREW TORQUE, Ib.-in.

Setscrew		Manufacturer										
Diameter	Link-Belt Sealmaster		SKF	McGill	Dodge							
#10	40		35	35								
1/4	90	65	50	85								
5/16	185	125	165	165	160							
3/8	325	230	290	290	275							
7/16	460	350	350									
1/2	680	500	620		600							
5/8	1350	1100	1325		1200							
3/4	2350				2000							

FAN MAINTENANCE

nyb fans are manufactured to high standards with quality materials and components. Proper maintenance will ensure a long and trouble-free service life.

Do not attempt any maintenance on a fan unless the electrical supply has been completely disconnected and locked. In many cases, a fan can windmill despite removal of all electrical power. The rotating assembly should be blocked securely before attempting maintenance of any kind.

The key to good fan maintenance is regular and systematic inspection of all fan parts. Inspection frequency is determined by the severity of the application and local conditions. Strict adherence to an inspection schedule is essential.

Regular fan maintenance should include the following:

- Check the fan wheel for any wear or corrosion, as either can cause catastrophic failures. Check also for the build-up of material which can cause unbalance resulting in vibration, bearing wear and serious safety hazards. Clean or replace the wheel as required.
- Check the V-belt drive for proper alignment and tension (see section on V-belt drives). If belts are worn, replace them as a set, matched to within manufacturer's tolerances.

- 3. Lubricate the bearings, but do not over lubricate (see the bearing section for detailed specifications).
- Ceramic-felt shaft seals require no maintenance, although worn seals should be replaced. When lip-type shaft seals are provided, lubricate them with "NEVER-SEEZ" or other anti-seize compound.
- During any routine maintenance, all setscrews and bolts should be checked for tightness. See the table for correct torques.
- When installing a new Tubular AcoustaFoil wheel or inlet cone, the proper wheel-to-inlet cone clearance must be maintained (see Figure 3 for correct full-width wheel dimensions).

BEARING

Storage

Any stored bearing can be damaged by condensation caused by temperature variations. Therefore, **nyb** fan bearings are filled with grease at the factory to exclude air and moisture. Such protection is adequate for shipment and subsequent immediate installation.

For long term or outdoor storage, mounted bearings should be regreased. Rotate the fan wheel by hand at least every two weeks to redistribute grease on internal bearing parts. Each month the bearings should be purged with new grease to remove condensation, since even a filled bearing can accumulate moisture. Use caution when purging, as excessive pressure can damage the seals. Rotate the shaft while slowly adding grease.

Operation

Check the setscrew torque before start-up (see table for correct values). Since bearings are completely filled with grease at the factory, they may run at an elevated temperature during initial operation. Surface temperatures may reach 180°F. and grease may bleed from the bearing seals. This is normal and no attempt should be made to replace lost grease. Bearing surface temperatures will decrease when the internal grease quantity reaches a normal operating level. Relubrication should follow the recommended schedule.

Disposal of material should be made in accordance to local government regulations.

FULL WIDTH TUBULAR ACOUSTAFOIL FAN WHEEL-CONE CLEARANCES

(contact nyb for partial width dimensions)

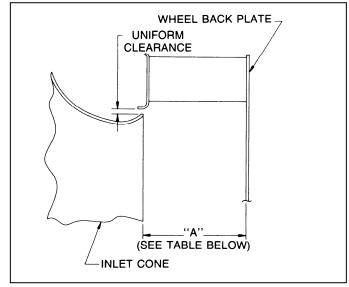


Figure 3

Fan Size	"A" Dimension	Fan Size	"A" Dimension
12	41/2	36	133/8
15	51/2	40	14 13/16
18	7	44	161/4
22	81/4	49	17 15/16
24	95/16	54	19 13/16
27	103/16	60	2113/16
30	111/4	66	24
33	121/4	73	26 9/16

Lubrication

Use the table for relubrication scheduling according to operating speed and shaft diameter. Bearings should be lubricated with a premium quality lithium-based grease conforming to NLGI Grade 2. Examples are:

Mobil - Mobilgrease XHP
Texaco - Premium RB
Chevron - Amolith #2
Shell - Alvania #2

These greases are for bearing surface temperatures of 40°F. to 180°F. For surface temperatures of 181°F. to 230°F. use Mobilith SHC220.

Do not use "high temperature" greases, as many are not formulated to be compatible with fan bearings.

Add grease to the bearing while running the fan or rotating the shaft by hand. Be sure all guards are in place if lubrication is performed while the fan is operating. Add just enough grease to cause a slight purging at the seals. Except on split pillowblocks. Completely filled bearings will run hotter until a sufficient amount of grease is purged out of the seals.

Split pillowblock bearings (Link-Belt P-LB6800 & P-LB6900, SKF SAF 22500, Dodge SAF-XT) should be cleaned and repacked at approximately every eighth lubrication interval. This requires removal of the bearing cap. Clean out old grease and repack the bearing with fresh grease. Pack the bearing fully and fill the housing reservoir to the bottom of the shaft on both sides of the bearing. Replace the bearing cap, being careful not to mix caps as they are not interchangeable from one bearing to another. **Do not over lubricate.**

BEARING LUBRICATION INTERVAL Duct, Tubeaxial, Vaneaxial and Inline Centrifugal Fans (months)

					RF	PM				
Shaft	1-500	501-1000	1001-1500	1501-2000	2001-2500	2501-3000	3001-3500	3501-4000	4001-4500	4501-5000
1	6	6	5-6	5-6	4-6	4-6	3-4	3-4	2	2
1 3/16 thru 1 7/16	6	6 4	5-6	4-6	4-6	3-5	2-4 1	2-4	1-2	1 1/2
1 11/16 thru 1 15/16	6 6	6 4	4-6	4-6	2-4	2-4 1	2 1/2	1-2		
2 3/16	6	5-6	4-6	3-4	2-4					
2 7/16	6 4	4-6	4-6	3-4				& Split Pillov ler Bearings	wblock	
2 11/16 & 2 15/16	5-6	4-6	2-4	2 1						
3 7/16 thru 4 3/16	4-6	3-5	2-4			•		lit Pillowbloc Bearings	k Spherical	

NOTE:

- 1. These are general recommendations only; specific manufacturer's recommendations may vary slightly.
- 2. Assumes clean environment, -20°F to 120°F
 - a. Consult The New York Blower Company for operation below -20°F ambient.
 - b. Ambient temperatures greater than 120°F. will shorten bearing life.
 - c. Under extremely dirty conditions, lubricate more frequently.
- 3. Assumes horizontal mounting configuration. For vertically mounted applications, lubricate twice as frequently.

BEARING LUBRICATION INTERVAL – Fixed Pitch Vaneaxial Fan (months)

Horizontal Orientation

SHAFT BEARING TYPES		RECOMMENDED	FAN SPEED RANGE (RPM)								
	GREASE AMOUNTS (OUNCES)	1-500	501-1000	1001-1500	1501-2000	2001-2500	2501-3000	3001-3500	3501-4000	4000-4500	
1 3/16	BALL	0.50	17	11	9	7	6	5 1/2	5	4 1/2	4
1 7/16	SPHERICAL ROLLER	0.50	4	2 1/2	13/4	1 1/4	1	1/2	1/2	1/4	1/4
1 11/16	SPHERICAL ROLLER	0.50	4	2 1/2	1 1/2	1	3/4	1/2	1/4	1/4	1/4
1 15/16	SPHERICAL ROLLER	0.50	4	2 1/2	1 1/2	1	3/4	1/4	1/4	1/4	1/4
2 3/16	SPHERICAL ROLLER	0.50	3 3/4	2 1/4	1 1/4	3/4	1/2	1/4	1/4	1/4	
2 7/16	SPHERICAL ROLLER	0.75	3 1/2	2	1	3/4	1/4	1/4	1/4		
2 11/16	SPHERICAL ROLLER	1.25	3 1/2	2	1	1/2	1/4	1/4			

Vertical Orientation

SHAFT BEARING TYPES	RECOMMENDED	FAN SPEED RANGE (RPM)									
		GREASE AMOUNTS (OUNCES)	1-500	501-1000	1001-1500	1501-2000	2001-2500	2501-3000	3001-3500	3501-4000	4000-4500
1 3/16	BALL	0.50	8 1/2	5 1/2	4 1/2	3 1/2	3	2 3/4	2 1/2	2 1/4	2
1 7/16	SPHERICAL ROLLER	0.50	2	13/4	3/4	3/4	1/2	1/4	1/4	1/8	1/8
1 11/16	SPHERICAL ROLLER	0.50	2	1 1/4	3/4	1/2	1/2	1/4	1/8	1/8	1/8
1 15/16	SPHERICAL ROLLER	0.50	2	1 1/4	3/4	1/2	1/2	1/8	1/8	1/8	1/8
2 3/16	SPHERICAL ROLLER	0.50	13/4	1	3/4	1/4	1/4	1/8	1/8	1/8	
2 7/16	SPHERICAL ROLLER	0.75	13/4	1	1/2	1/4	1/8	1/8	1/8		
2 11/16	SPHERICAL ROLLER	1.25	1 3/4	1	1/2	1/4	1/8	1/8			

NOTE:

- 3. These are general recommendations only; specific manufacturer's recommendations may vary slightly.
- 4. Assumes clean environment, -20°F to 120°F
 - a. Consult The New York Blower Company for operation below -20°F ambient.
- Ambient temperatures greater than 120°F. will shorten bearing life.
- c. Under extremely dirty conditions, lubricate more frequently.

COMMON FAN PROBLEMS

Excessive Vibration

A common complaint regarding industrial fans is "excessive vibration". **nyb** is careful to ensure that each unit is precisely balanced prior to shipment; however, there are many other causes of vibration including:

- 1. Loose mounting bolts, setscrews, bearings or couplings.
- 2. Misalignment or excessive wear of couplings or bearings.
- 3. Misaligned or unbalanced motor.
- 4. Bent shaft due to mishandling or material impact.
- 5. Accumulation of foreign material on the wheel.
- 6. Excessive wear or erosion of the wheel.
- Excessive system pressure or restriction of airflow due to closed dampers.
- Inadequate structural support, mounting procedures or materials.
- 9. Externally transmitted vibration.

Inadequate Performance

- 1. Incorrect testing procedures or calculations.
- 2. Fan running too slowly.
- Fan wheel rotating in wrong direction or installed back-wards on shaft.
- 4. Wheel not properly centered relative to inlet cone.
- 5. Damaged or incorrectly installed cut off sheet or diverter.
- Poor system design, closed dampers, air leaks, clogged filters, or coils.
- 7. Obstructions or sharp elbows near inlets.
- 8. Sharp deflection of airstream at fan outlet.

Excessive Noise

- Fan operating near "stall" due to incorrect system design or installation.
- 2. Vibration originating elsewhere in the system.
- 3. System resonance or pulsation.
- 4. Improper location or orientation of fan intake and discharge.
- 5. Inadequate or faulty design of supporting structures.
- 6. Nearby sound reflecting surfaces.
- 7. Loose accessories or components.
- 8. Loose drive belts.
- 9. Worn bearings.

Premature Component Failure

- Prolonged or major vibration.
- 2. Inadequate or improper maintenance.
- Abrasive or corrosive elements in the airstream or surrounding environment.
- Misalignment or physical damage to rotating components or bearings.
- Bearing failure from incorrect or contaminated lubricant or grounding through the bearings while arc welding.
- 6. Excessive fan speed.
- 7. Extreme ambient or airstream temperatures.
- 8. Improper belt tension.
- 9. Improper tightening of wheel setscrews.

REPLACEMENT PARTS

It is recommended that only factory-supplied replacement parts be used. **nyb** fan parts are built to be fully compatible with the original fan, using specific alloys and tolerances. These parts carry a standard **nyb** warranty.

When ordering replacement parts, specify the part name, **nyb** shop and control number, fan size, type, rotation (viewed from drive end), arrangement and bearing size or bore. Most of this information is on the metal nameplate attached to the fan base.

For assistance in selecting replacement parts, contact your local **nyb** representative or visit: http://www.nyb.com.

Example: Part required: Wheel

Shop/control number: B-10106-100

Fan description: Size 66 Tubular AcoustaFoil

Rotation: Clockwise Arrangement: 9M

Suggested replacement parts include:

Wheel Component parts: Damper Shaft Motor

Bearings Shaft Seal Sheaves V-Belts

LIMITED PRODUCT WARRANTY

All products are warranted by **nyb** to be free from defects in materials and workmanship for a period of one (1) year after shipment from its plant, provided buyer demonstrates to satisfaction of **nyb** that the product was properly installed and maintained in accordance with **nyb**'s instructions and recommendations and that it was used under normal operating conditions.

This warranty is limited to the replacing and/or repairing by **nyb** of any part or parts which have been returned to **nyb** with **nyb**'s written authorization and which in **nyb**'s opinion are defective. Parts not manufactured by **nyb** but installed by **nyb** in equipment sold to the buyer shall carry the original manufacturer's warranty only. All transportation charges and any and all sales and use taxes, duties, imports or excises for such part or parts shall be paid for by the buyer. **nyb** shall have the sole right to determine whether defective parts shall be repaired or replaced.

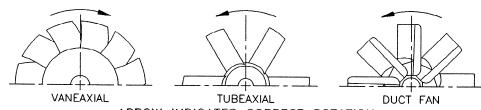
This warranty does not cover any customer labor charges for replacement of parts, adjustments or repairs, or any other work unless such charges shall be assumed or authorized in advance, in writing, by **nyb**.

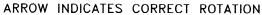
This warranty does not cover any product which, in the judgement of **nyb**, has been subject to misuse or neglect, or which has been repaired or altered outside **nyb**'s plant in any way which may have impaired its safety, operation or efficiency, or any product which has been subject to accident.

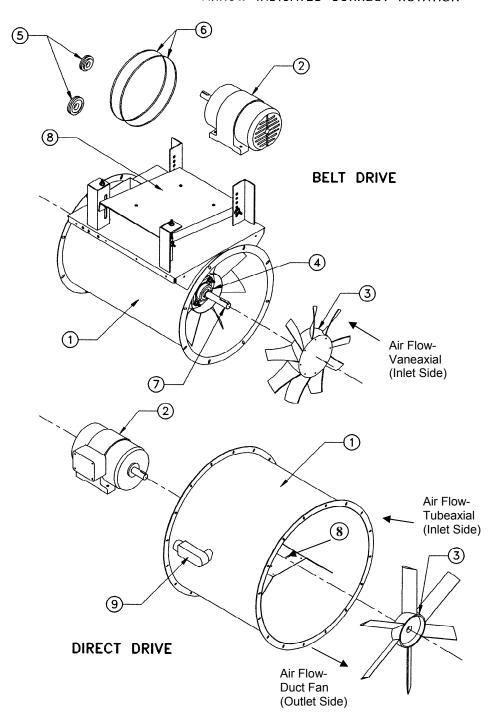
This warranty shall be null and void if any part not manufactured or supplied by **nyb** for use in any of its products shall have been substituted and used in place of a part manufactured or supplied by **nyb** for such use.

There are no warranties, other than those appearing on the acknowledgement form INCLUDING NO WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, given in connection with the sale of the goods sold hereunder. The buyer agrees that his sole and exclusive remedy, and the limit of **nyb**'s liability for loss from any cause whatsoever, shall be the purchase price of the goods sold hereunder for which a claim is made.

AXIAL FANS WHEEL ROTATION AS VIEWED FROM DISCHARGE END





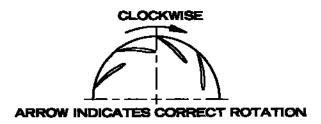


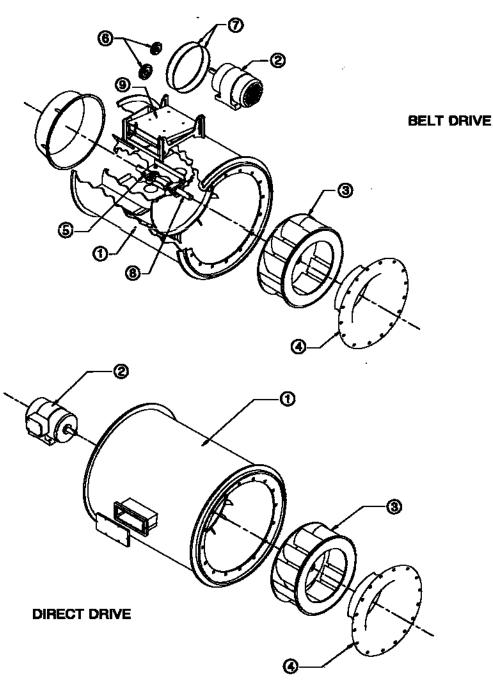
Parts List

- 1. Housing
- 2. Motor
- 3. Wheel
- 4. Bearings
- 5. Sheaves
- 6. Belts
- 7. Shaft
- 8. Motor Platform
- 9. External Conduit Box

For assistance in selecting replacement parts, contact your local **nyb** representative or visit: http://www.nyb.com.

TUBULAR ACOUSTAFOIL FANS WHEEL ROTATION AS VIEWED FROM DISCHARGE END





Parts List

- 1. Housing
- 2. Motor
- 3. Wheel*
- 4. Inlet Cone with Diverters*
- 5. Bearings
- 6. Sheaves
- 7. Belts
- 8. Shaft
- 9. Motor Platform
- * Orders for parts must specify rotation.

For assistance in selecting replacement parts, contact your local **nyb** representative or visit: http://www.nyb.com.

Form 1216 MJW