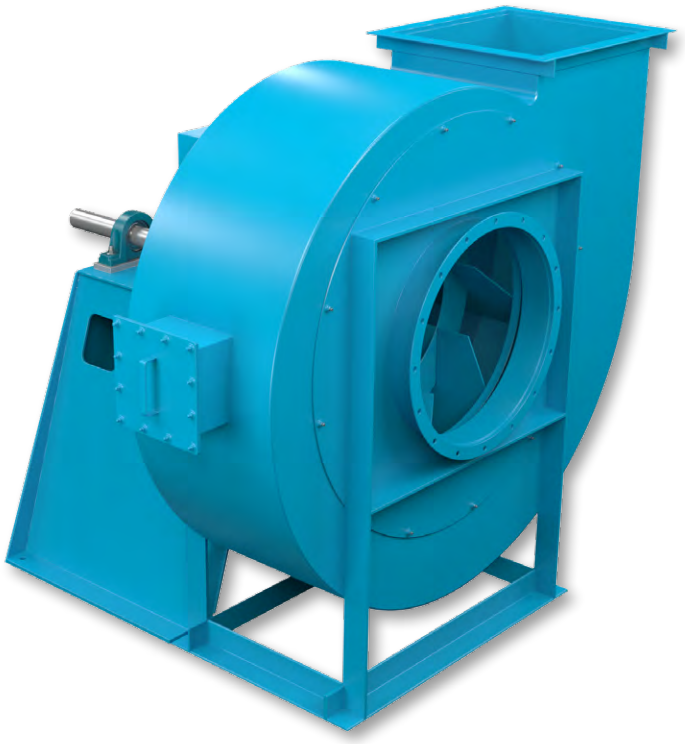
TCF

TWIN CITY FAN

INDUSTRIAL PROCESS AND
COMMERCIAL VENTILATION SYSTEMS

INDUSTRIAL FANS

RBA | RBO | RBR | RBW | RBP



CATALOG 902 | NOVEMBER 2017

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OVERVIEW

RBA I RBO I RBR I RBW I RBP

RBA
Arrangement 1

RBW
Arrangement 8

The Radial Bladed Industrial Fans are designed for applications with moderate air volumes of moderate to high pressures, such as exhaust, material conveying, pollution control, air circulation, combustion air, moisture blow-off, incinerators, oven and dryer exhaust and scrubber exhaust. The heavy gauge, all-welded construction has earned it the reputation of being the "workhorse" of the industry—a design proven by years of service handling dirty, abrasive, sticky or bulky particulate laden airstreams. With multiple sizes, materials and four (4) wheel types available for a multitude of different processes, there is a fan available to meet your applications needs.

Typical Industries Include

Aerospace, Agriculture, Air Pollution Control, Asphalt, Automotive, Boilers, Brick, Cement, Chemical, Coal, Composting, Ethanol, Foundry, General Manufacturing, Glass, Industrial Processes, Metal & Minerals, Mining, Nuclear, OEM, Petrochemical, Pharmaceutical, Power Generation, Pulp & Paper, Recycling, Textile, Water Treatment

Arrangements

Available in Arrangements 1, 4 (excl. RBO/RBR/RBP), 4VI (excl. RBO/RBR/RBP), 8, 9A, 9B (excl. RBP), 9, 9F, 9H, 10

Wheel Types

Fabricated Air Handling Wheels, Paddle Wheels, Wool Wheels with Backplate & Heavy Gusseted Bulk Material Handling Wheels

Optional Construction

Abrasion Resistant Construction, High Temperature Construction, Nominally Leak-Tight Construction, Spark Resistant Construction (Type A, B and C), Special Materials, Split Housings

Certifications

AMCA Air and FEG

Twin City Fan & Blower certifies that the Model RBO/RBR/RBA/RBW 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 comply with the requirements of the AMCA Certified Ratings Program.

For complete product performance, drawings and available accessories, download our Fan Selector program at tcf.com.

OVERVIEW

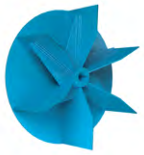
RBA I RBO I RBR I RBW I RBP

Efficiency is critical in most applications, and it is important that the fan size is selected so that it will operate at or near its maximum efficiency point. This is particularly important with the units that have lower efficiency in general, such as the RBO and RBW wheels.

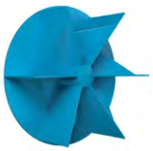
Models

RBA (Air Handling)
12.25" to 104.25" wheel diameters
Airflow to 141,800 CFM
Static pressure to 46" w.g.

RBO/RBR (Radial Paddle)
8.75" to 104.25" wheel diameters
Airflow to 141,800 CFM
Static pressure to 46" w.g.



RBW (Radial Backplate Wool)
8.75" to 104.25" wheel diameters
Airflow to 141,800 CFM
Static pressure to 46" w.g.



RBP (Radial Paper Handling)
19.13" to 45.13" wheel diameters
Airflow to 26,500 CFM
Static pressure to 32" w.g.

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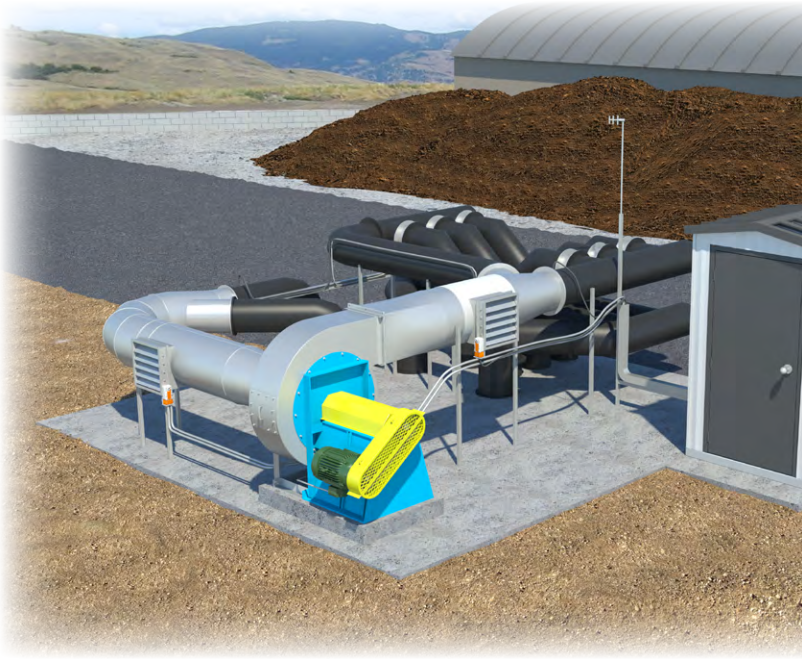
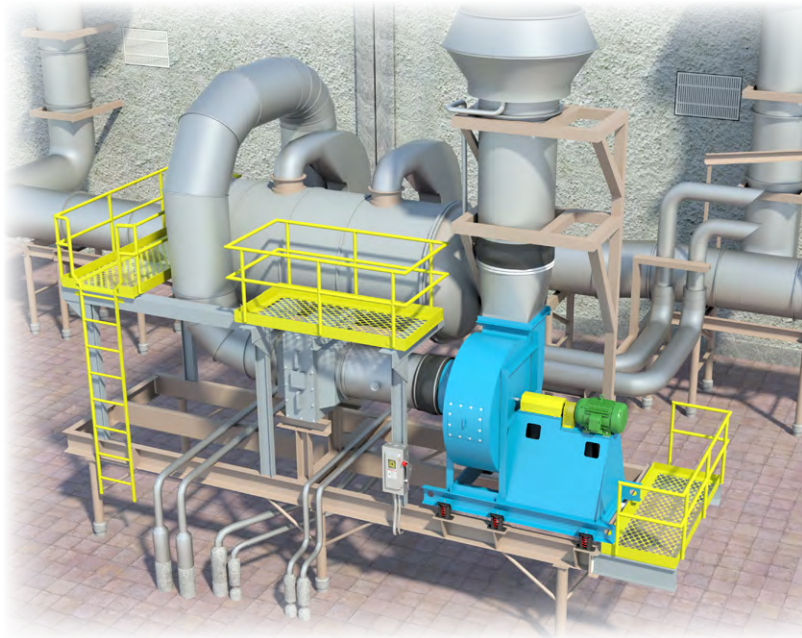


RBA - Compost Aeration



RBO - Energy Recovery System

CONSTRUCTION FEATURES

Housing Construction

All fan housings are continuously welded to provide strength and durability for extended service life. All housings are reinforced with rigid bracing to increase structural integrity. All fans sizes 921 and larger feature a punched outlet flange. RBP fans include a punched inlet flange and bearing stop blocks as standard. RBP fans are supplied with a relieved inlet transition to smooth the flow of paper trim and similar material through the fan.

Shafts

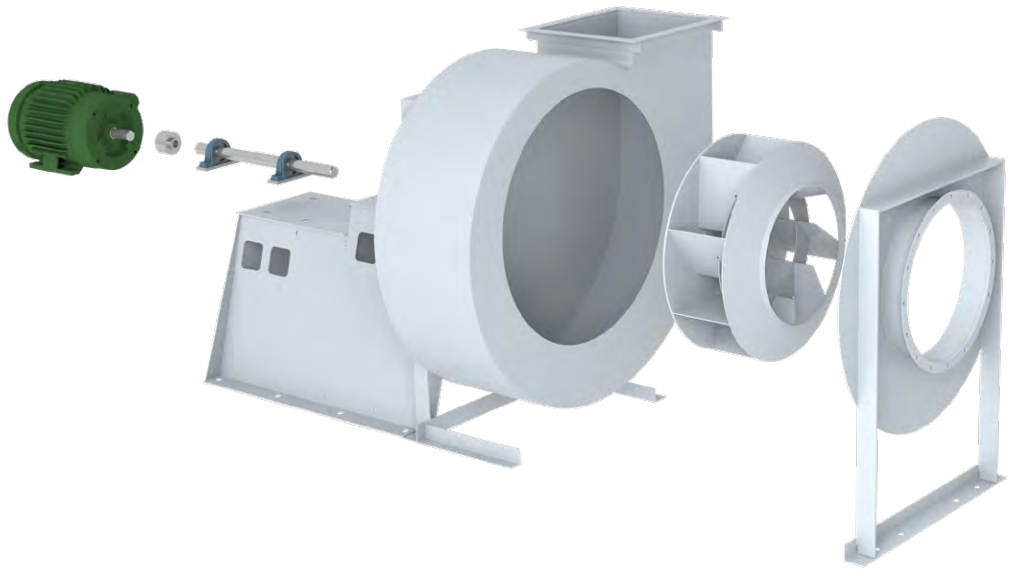
Shafts are AISI Grade 1045 hot-rolled steel accurately turned, ground, polished, and ring gauged for accuracy. Shafts are sized for a first critical speed of at least 1.43 times the maximum speed for the class.

Bearings

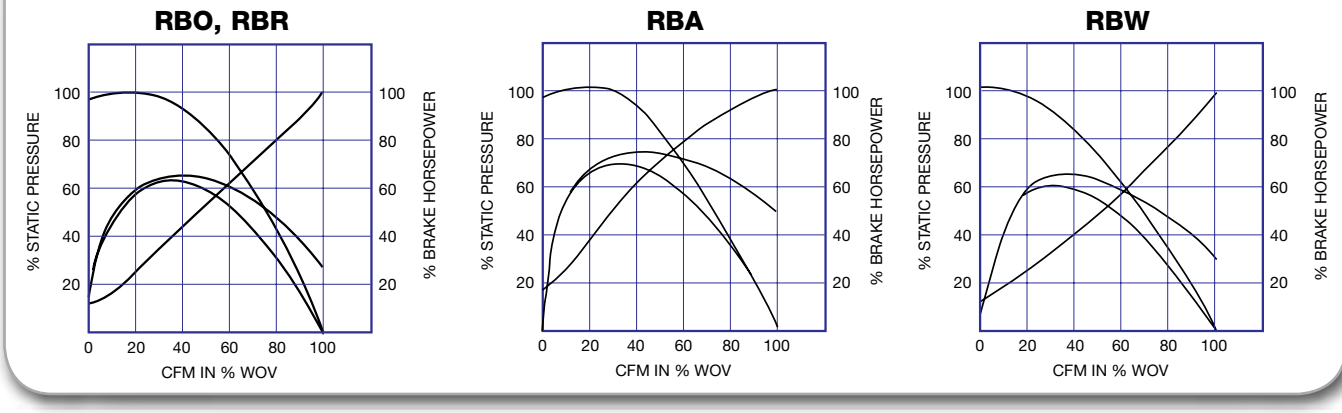
Bearings are sized and selected to have a minimum average life of 200,000 hours based on ABMA rating designations. The bearings are pillow block type, heavy-duty, anti-friction, self-aligning ball or roller type.

Optional Construction:

- Abrasion Resistant Construction
- Spark Resistant Construction
- Split Housings (Sizes 921 and larger)
- High Temperature Construction (excluding RBP)
- Nominally Leak-Tight Construction
- Special Materials



Typical Performance Characteristic Curves for Industrial Wheels



1. Class 22 – suitable for applications involving performance to approximately 22" SP.
2. Class 32 – for performance to 32" SP.
3. Class 45 – high pressure fans capable of reaching performance of approximately 45" SP.

Twin City Fan & Blower offers a complete series of wheels to meet the needs of most industrial process and material handling applications. Each wheel is statically and dynamically balanced on electronic equipment prior to being assembled in the fan. In addition, each unit is run at or near operating speed after assembly and the balance is fine-tuned as a complete assembly.

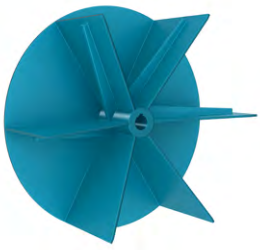
The typical performance characteristics for different wheels offered in the industrial fans are illustrated on page 4. It should be noted that all wheels essentially have overloading characteristic type brake horsepower curves; however, type RBA wheels have this to a lesser degree than other types.

While the general pressure characteristic curve is similar for all industrial wheels, the RBA type wheel is considerably more efficient than other industrial wheels. Therefore, the RBA wheel is the first choice where brake horsepower savings are important, but the RBA wheel is limited to handling relatively clean air or gases.

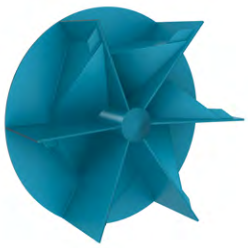
RBA

RB0

RBR



RBW



RBP

RBA Industrial Air Handling Wheel

The RBA wheel is the most efficient wheel in the RB family and is used when handling relatively clean air, fumes, vapor exhaust and air with a light contaminant. The wheel is constructed with heavy-gauge blades welded to both backplate and front ring.

RBO and RBR Industrial Radial Paddle Wheel

The radial paddle wheel design is extremely rugged using heavy-gauge steel components. RBO wheels are open-type while RBR wheels add blade end rings for larger sizes and higher RPM. RBO construction is standard on all Class 22 fans and on sizes 923 and smaller, Class 32 and 45 fans. RBR construction is standard on size 926 and larger Class 32 and 45 fans. All wheels are welded with care to ensure the maximum in strength and reliability. RBO and RBR wheels are suitable for general handling of coarse, sticky, heavy and/or abrasive materials.

RBW Industrial Radial Backplate Wool Wheel

The RBW wheel is constructed to prevent long, stringy, fibrous and other similar material from hanging up on and wrapping around the gussets and blades.

RBP Industrial Radial Paper Handling Wheel

The RBP is a modified RBW wheel featuring trapezoidal gussets for the extra rugged construction necessary when handling corrugated paper trims, fibrous material, metal trim and other high impact loading material. A paper deflector cone over the face of the hub helps prevent wrapping of paper around the hub or leading edge of the blades. Due to the nature of the applications, RBP Class 32 construction is limited to 22" SP and RBP Class 45 construction is limited to 32" SP. Use RBW performance tables for RBP fans. The RBP fan is not AMCA licensed.

Arrangement 1

Arrangement 1 fans are available in either direct drive (see Arrangement 8 below) or belt driven installations. The belt driven configuration allows the motor to be mounted in any of the four standard motor positions shown on page 12. The choice of a belt driven installation provides greater performance flexibility with the use of belts and sheaves of differing sizes.

Arrangement 4

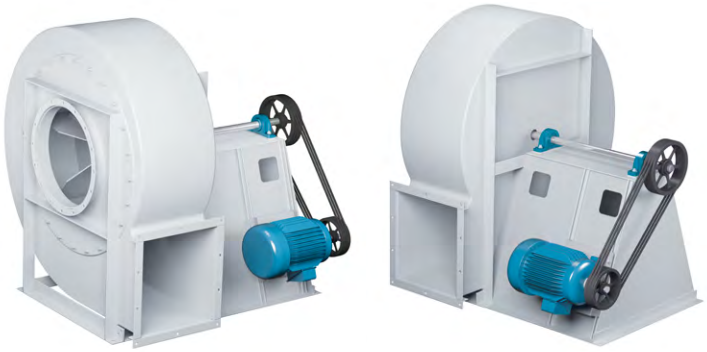
Arrangement 4 is a direct drive fan with the wheel mounted directly on the motor shaft. This drive arrangement is the most compact and requires minimum maintenance and service, as there are no fan bearings, fan shaft or drive parts to maintain. Standard Arrangement 4 fans are suitable to 200°F operating temperature.

Arrangement 4VI (Vertical)

Arrangement 4VI is a modified Arrangement 4 fan designed to mount directly on the inlet of the fan. The Arrangement 4VI fan features reinforced inlets and removable motor side to allow the rotating assemblies to be removed without removing the housing from the mounting structure. Arrangement 4VI fans utilize a vertical airflow into the fan (vertical motor shaft).

Arrangement 8

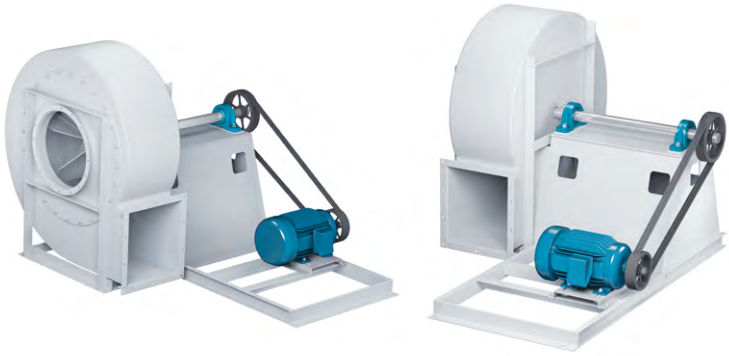
Arrangement 8 fans use a fan shaft and motor direct coupled via a flexible coupling. The integral motor subbase is fabricated of heavy gauge steel and securely reinforced for rigidity. Twin City Fan & Blower can supply wheels in a variety of diameters and differing widths to give the greatest efficiency for any given application. If desired, an Arrangement 1 fan can be set up for direct drive. This requires a concrete motor pedestal to be built in the field.



Arrangement 9

Arrangement 9 fans include a motor slide base mounted on the side of the motor pedestal. The motor and drive can be installed at the factory or field installed. Class 22 fans up to size 929 are offered in Arrangements 9A (shorter pedestal for small motors) and 9B (longer pedestals for larger motors). Maximum motor frame sizes for Arrangement 9A and 9B fans are listed in the table on page 17.

Unless otherwise specified, the motor will be installed on the left (L) side of the pedestal on CW fans and on the right (R) side on CCW fans.



Arrangement 9F

Arrangement 9F (floor mount) fans are recommended when a packaged unit is desired, but required motors are too large to be mounted on the side of the bearing pedestal. In this arrangement, the base is extended to facilitate motor mounting in a horizontal position similar to an Arrangement 1 fan. This arrangement is preferred over Arrangement 9 when larger horsepower motors are being employed. Maximum motor frame sizes for Arrangment 9F fans are listed in the table on page 17.

Unless otherwise specified, the motor will be installed on the left (L) side of the pedestal on CW fans and on the right (R) side on CCW fans. Arrangement 9F requires a separate subbase when vibration isolation is required.

Arrangement 9H

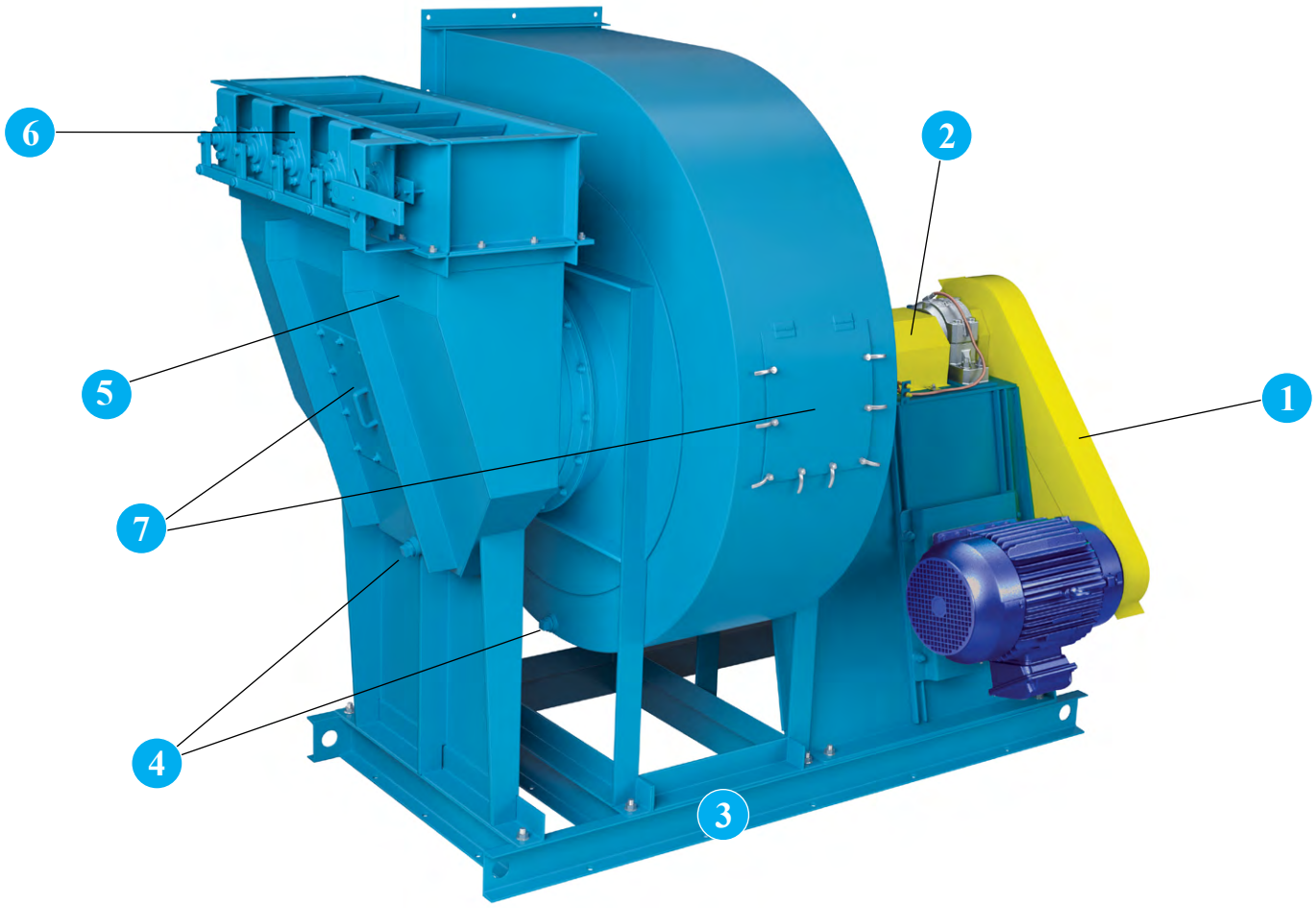
Arrangement 9H fans include a motor slide base mounted on the horizontal motor pedestal. The motor and drive can be installed at the factory or field installed.

Unless otherwise specified, the motor will be installed on the left (L) side of the pedestal on CW fans and on the right (R) side on CCW fans.

Arrangement 10

Arrangement 10 fans are suitable for roof or outdoor installations. A weather cover, not shown, provides complete weather protection for motor, shaft, bearings, and drives. This arrangement is limited to Class 22, sizes 905 through 919. Maximum motor sizes allowable in this arrangement are listed in the table on page 17. Larger fan sizes in this arrangement, or larger motor sizes for smaller fans, may be available on special request from the factory. All usual accessories are available in this arrangement.

OPTIONS/ACCESSORIES



1 **Belt Guard** Belt guard protects personnel from the moving drive parts. OSHA and quick access guards are available.

2 **Shaft Guard (Exposed Bearings)** A metal guard spanning the shaft between the bearings, allowing open access to the bearings for lubrication and vibration or temperature monitoring. A metal guard covering shaft and bearing is available.

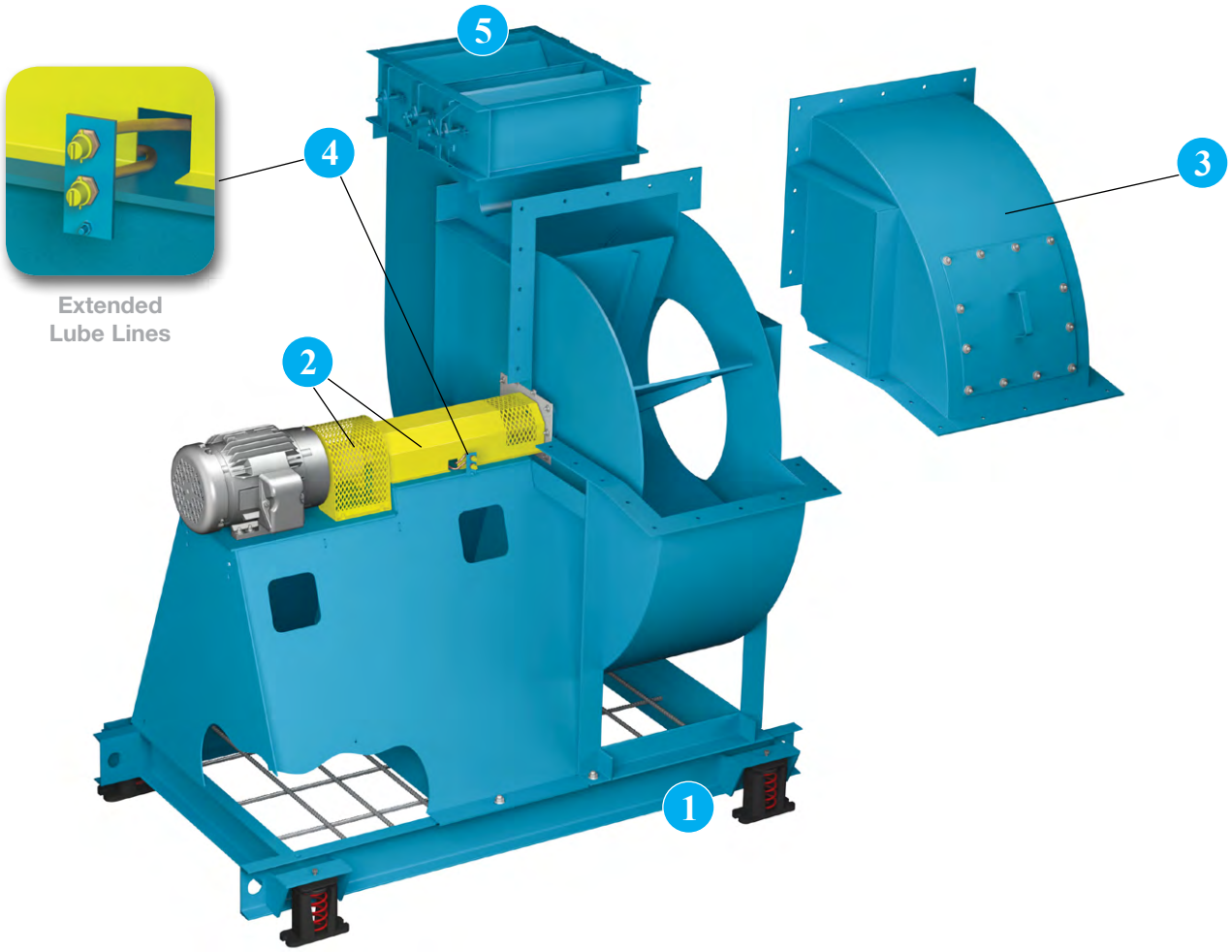
3 **Unitary Base** A structural steel base provides common support to fan, motor and drive including guards. This style of base is designed for use without isolators and requires adequate foundation integrity for proper operation.

4 **Drain** A 3/4" NPT coupling can be welded to the lowest point in the housing scroll and inlet box to allow wash water or condensation to drain.

5 **Inlet Box** An inlet box is designed to minimize pressure drop and airflow losses. Inlet boxes are recommended for applications where uniform flow is difficult to obtain due to limited space or where the air must enter the fan at an angle. Inlet boxes can be either detached or integral to the fan. This option is available with an inlet box damper to provide increased airflow control.

6 **Inlet Box Damper** The inlet box damper pre-spins the air in the direction of wheel rotation, resulting in a savings in horsepower at reduced loads.

7 **Access Door** Bolted and quick-opening access doors are available for easy access to the fan interior for inspection or cleaning. All access doors are gasketed and are constructed with either evenly-spaced studs or heavy duty hinges and handle-type nuts which require no tools to open. Raised bolted access doors are available for use where insulation is being applied to the outside of the fan.



1 **Inertia Bases** provide a common support to fan, motor and drive including guards and utilize heavy duty structural channel with spring isolators. Inertia bases incorporate reinforcing rods and require customer supplied concrete. Inertia bases are typically used on longer, direct drive fans to mitigate assembly deflection, maintaining proper alignment between the motor, coupling, shaft and bearings. Flexible connectors at inlet and outlet are required.

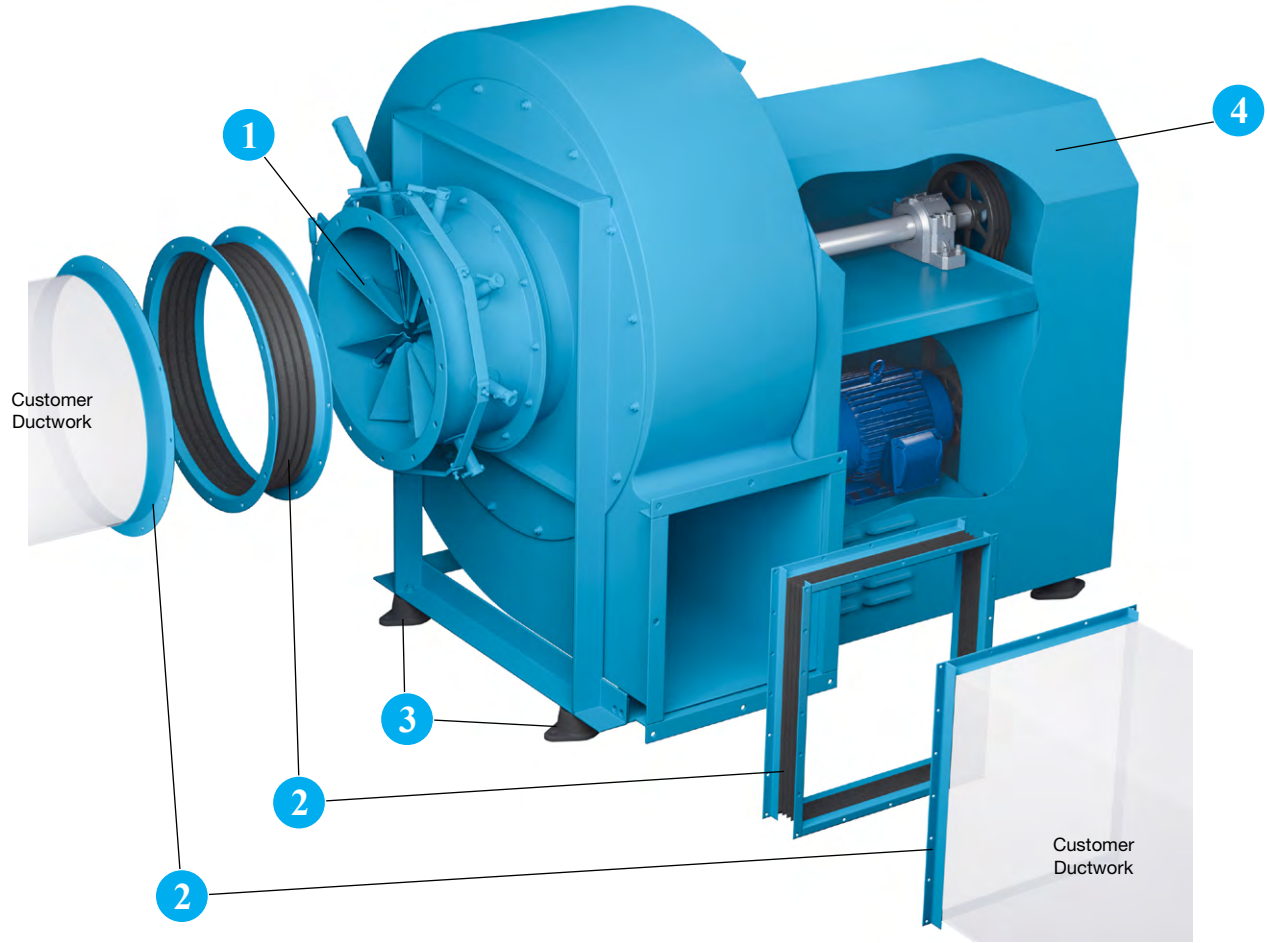
2 **Shaft, Bearing, Coupling Guards** Sheet metal guards cover shaft and bearings. An exposed bearing shaft guard spanning the shaft between the bearings is available to provide open access to bearings for lubrication and vibration or temperature monitoring. Coupling guards are designed to cover the rotating shaft and coupling components.

3 **Pie-Shaped Split Housings** allow fan wheel and shaft removal without disconnecting ductwork.

4 **Extended Lube Lines** Allow for easy lubrication of bearings on belt driven units without disassembly of guards by extending lubrication lines from fan bearings to common point.

5 **Opposed Blade Outlet Damper** Outlet dampers add resistance to the fan by shifting the operating point to the left of the rating point. The horsepower savings depends on the relative position on the fan curve and is usually much less than other methods. Outlet dampers are typically the least expensive option and should be considered when infrequent operation at lesser capacity is desired or when handling hot, humid or particulate laden air. Opposed blade dampers are recommended for systems where volume is modulated over the entire range. Opposed blades reduce air volume in a closer relationship to the control arm movement. Outlet dampers are available to 750°F construction.

OPTIONS/ACCESSORIES



1 **External Inlet Vanes** for reduced flow situations with relatively clean air, inlet vane type dampers are available to maintain fan efficiency. The inlet vanes are external type attached to the inlet of the fan. Standard construction inlet vanes are suitable in applications up to 300°F. High temperature inlet vanes are also available for temperatures up to 600°F.

2 **Inlet/Outlet Companion Flanges & Flex Connectors (Round & Rectangular)** Companion flanges are commonly connected to a user's duct for easy installation of flexible connections between the fan and duct. Companion flanges and flex connectors are punched to match the fan's inlet or outlet hole patterns.

3 **RIS Isolators** are designed to limit forces transmitted to the support structure of an operating fan. Constructed of structural angle, the optional rails extend the distance between mounting points distributing a more even load to the isolators. Spring isolators are also available. Flexible connectors at inlet and outlet are required.

4 **Weather Cover** For outdoor installations, the weather cover completely encloses the motor and V-belt drive from the elements. Provided with slots for ventilation, the cover is easily removable for inspection and maintenance. Weather covers are available on Arrangement 10 fans.

Other Options/Accessories Include:

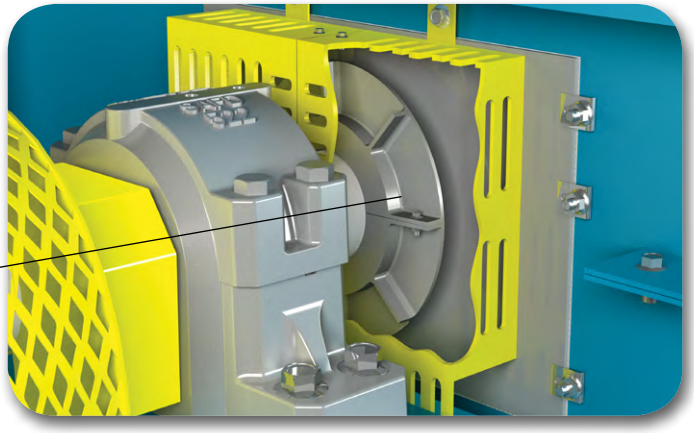
- Integrated Inlet Boxes
- Raised Access Door
- Special Width & Diameter Wheels
- Abrasion Resistance Steel
- Insulation Pins
- Spark Resistant Construction
- Variable Frequency Drives
- Shaft Seal
- V-Belts
- Bearing RTD
- Vibration Sensors
- Steel Wall & Aluminum Clad Housing
- Bearing Upgrades
- Inlet Bell With Inlet Screen
- Inlet/Outlet Screens
- Isolation Base
- Special Materials/Coatings
- Breaker Tabs (RBP Only)

High Temperature Construction

Fan design options are available to handle airstream temperatures to 800°F. Consult your Twin City Fan & Blower representative for applications over 800°F. The fan bearings should be kept outside of the hot airstream and below 130°F ambient. High temperature operating limits, available arrangements, and necessary modifications are shown in Table 1.

Shaft Cooler (Heat Slinger)

Cast aluminum shaft cooler dissipates the heat transferred to the shaft from the airstream protecting the fan bearings. Recommended for applications over 300°F.



Shaft Cooler & Safety Guard

Table 1. High Temperature Construction Requirements

TEMPERATURE (°F)	TYPE OF BEARING	LUBRICATION	OTHER REQUIREMENTS	AVAILABLE ARRANGEMENTS
–20° to 300°	Ball or Roller	Grease	Standard Fan	Arr. 1, 8, 9 & 10; Arr. 4 limited to 180°F
300° to 500°	Ball or Roller	High Temp. Grease	Shaft Cooler, Shaft Seal Expansion & Non-Expansion Bearings	Arr. 1, 8, 9 and 10*
500° to 800°	Ball or Roller	High Temp. Grease	High Temp. Aluminum Paint, Shaft Cooler, Shaft Seal, Expansion and Non-Expansion Bearings	Arr. 1, 8, 9 & 10*; (Arr. 9 & 10 limited to 600°F unless fan is insulated.)
800° to 1000°	Ball or Roller	High Temp. Grease	Consult Factory	

*Arrangement 10 includes insulated pedestal

Derating Factors For High Temperature

When elevated temperatures are encountered, maximum RPMs allowable as shown on page 16 must be derated according to Table 2. Standard steel construction is suitable for use in gas temperatures up to 800°F. Aluminum wheels are suitable for temperatures up to 250°F only. For higher maximum RPM or elevated temperatures consult factory.

Table 2. Derating Factors For High Temperature

TEMP. (°F)	DERATING FACTOR					
	RBO (22, 32); RBA (22); RBW (22, 32)		RBA (32); RBP (32)		RBO (45); RBA (45); RBP (45)	
	STD STEEL	STAINLESS	50 KSI	STAINLESS	50 KSI	STAINLESS
70	1.000	0.970	1.000	0.786	1.000	0.786
200	0.990	0.890	0.990	0.747	0.990	0.747
300	0.975	0.840	0.975	0.720	0.975	0.720
400	0.955	0.810	0.957	0.690	0.955	0.690
500	0.930	0.770	0.931	0.661	0.930	0.661
600	0.900	0.760	0.904	0.636	0.904	0.636
700	0.800	0.740	0.880	0.611	0.880	0.611
800	0.600	0.720	0.837	0.593	0.837	0.593
900	—	0.710	—	0.576	—	0.576
1000	—	0.680	—	0.550	—	0.550

TCF TWIN CITY FAN

STANDARD CONFIGURATIONS

CLOCKWISE (CW) - ROTATION & DISCHARGE (ROTATION VIEW FROM DRIVE SIDE)

UBD
Upblast
CW 360

TAU
Top Angular Up
CW 45

THD
Top Horizontal
CW 90

TAD
Top Angular Down
CW 135

DBD
Downblast
CW 180

BHD
Bottom Horizontal
CW 270

BAU
Bottom Angular Up
CW 315

COUNTER CLOCKWISE (CCW) - ROTATION & DISCHARGE (ROTATION VIEW FROM DRIVE SIDE)

UBD
Upblast
CCW 360

TAU
Top Angular Up
CCW 45

THD
Top Horizontal
CCW 90

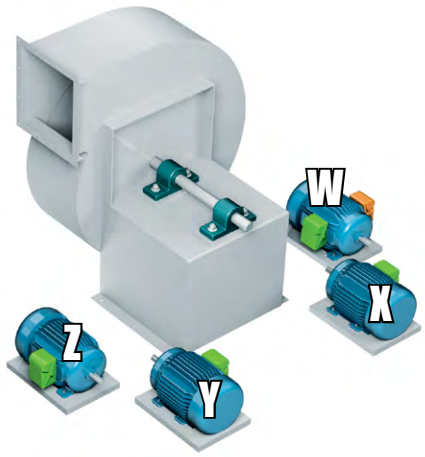
TAD
Top Angular Down
CCW 135

DBD
Downblast
CCW 180

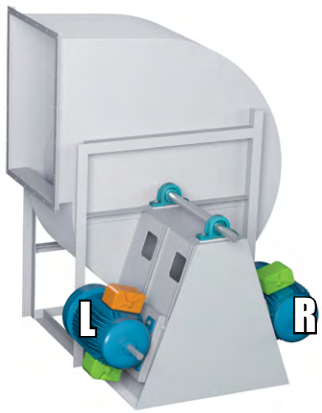
BHD
Bottom Horizontal
CCW 270

BAU
Bottom Angular Up
CCW 315

MOTOR POSITIONS

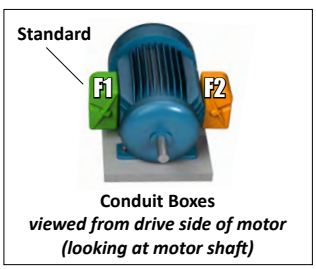


Arrangement 1



Arrangement 9

Arrangement 9F



Conduit Boxes
viewed from drive side of motor (looking at motor shaft)

Rotatable and Reversible Configuration

The table below identifies fans that are rotatable or reversible. A fan available in a rotatable configuration indicates that the fan can be rotated in the field to any of the standard discharge locations. A fan available in a reversible configuration indicates that the wheel rotation can be changed in the field from a clockwise to a counterclockwise direction or vice versa. This is possible only on rotatable housings and requires the wheel housing to be removed and reversed. Consult the factory before reversing a fan.

RB Series Availability

SIZE	WHEEL TYPE	ROTATABLE HOUSING DISCHARGE	REVERSIBLE ROTATION	CLASS 22 ARRANGEMENTS	CLASS 32 ARRANGEMENTS	CLASS 45 ARRANGEMENTS
905	RBO	Yes	Yes	1, 8, 10, 9A, 9B	—	—
907-909		Yes	Yes	1, 8, 10, 9A, 9B, 9F	—	—
911		Yes	Yes	1, 8, 10, 9A, 9B, 9F	1, 8, 9, 9F	—
913-919		Yes	Yes	1, 8, 10, 9A, 9B, 9F	1, 8, 9, 9F	1, 8, 9, 9F
921		No	No	1, 8, 10, 9A, 9B, 9F, 9H	1, 8, 9, 9F, 9H	1, 8, 9, 9F, 9H
923		No	No	1, 8, 10, 9A, 9B, 9F, 9H	1, 8, 9, 9F, 9H	1, 8, 9, 9F, 9H
926		No	No	1, 8, 10, 9A, 9B, 9F, 9H	—	—
929		No	No	1, 8, 9A, 9B, 9F, 9H	—	—
933-960		No	No	1, 8, 9, 9F, 9H	—	—
926-941	RBR	No	No	—	1, 8, 9, 9F, 9H	1, 8, 9, 9F, 9H
945-949		No	No	—	1, 8, 9, 9F, 9H	—
907-909	RBA, RBW *	Yes	No	1, 4, 8, 10, 4VI, 9A, 9B, 9F	—	—
911		Yes	No	1, 4, 8, 10, 4VI, 9A, 9B, 9F	1, 4, 8, 9, 4VI, 9F	—
913-919		Yes	No	1, 4, 8, 10, 4VI, 9A, 9B, 9F	1, 4, 8, 9, 4VI, 9F	1, 8, 9, 9F
921		No	No	1, 4, 8, 10, 4VI, 9A, 9B, 9F, 9H	1, 4, 8, 9, 4VI, 9F, 9H	1, 8, 9, 9F, 9H
923-926		No	No	1, 8, 10, 9A, 9B, 9F, 9H	1, 8, 9, 9F, 9H	1, 8, 9, 9F, 9H
929		No	No	1, 8, 9A, 9B, 9F, 9H	1, 8, 9, 9F, 9H	1, 8, 9, 9F, 9H
933-941		No	No	1, 8, 9, 9F, 9H	1, 8, 9, 9F, 9H	1, 8, 9, 9F, 9H
945-949		No	No	1, 8, 9, 9F, 9H	1, 8, 9, 9F, 9H	—
954-960		No	No	1, 8, 9, 9F, 9H	—	—
911	RBP	Yes	No	—	1, 9, 9F	—
913-919		Yes	No	—	1, 9, 9F	1, 9, 9F
921-949		No	No	—	1, 9, 9F, 9H	

* Note: RBW fans are Class 22 and 32 only.

Industrial fan housings are constructed in all usual arrangements and conform to AMCA Standard 2404-72 (Drive Arrangements for Centrifugal Fans). The fan sizes and wheel diameters conform to AMCA Standard 2402-66 (Sizes for Industrial Centrifugal Fans).

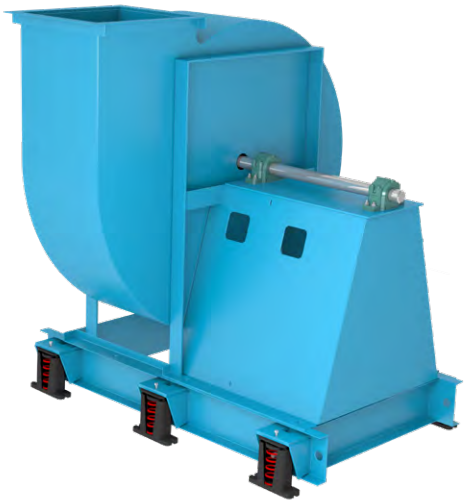
AMCA does not have a standard for industrial fans designating class of operation. Twin City Fan & Blower offers three basic categories, based on performance, of industrial fans.

TCF
TWIN CITY FAN

VIBRATION ISOLATION

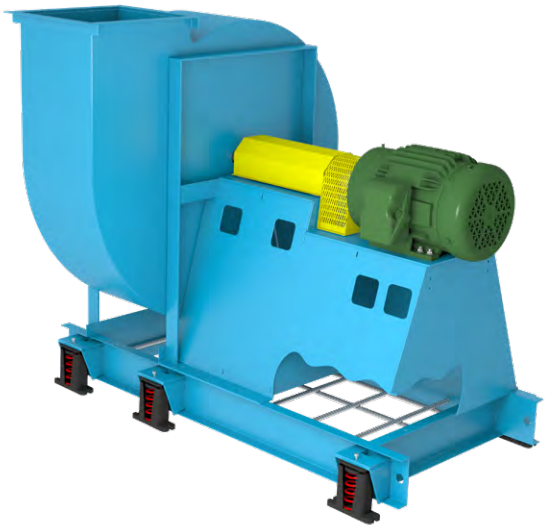
Unitary Bases

A structural steel base provides common support to fan, motor and drive including guards. This style of base is designed for use without isolators and requires adequate foundation integrity for proper operation.



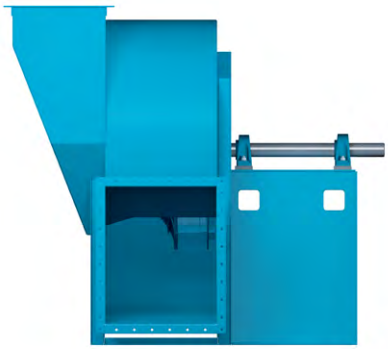
Isolation Bases

Isolation bases provide a common support to fan, motor and drive, including guards. Constructed with heavy duty structural channels and includes spring isolations. Not available on Arrangement 8. Flexible connectors at inlet and outlet are required.

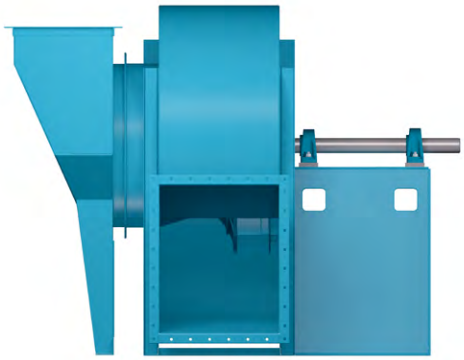


Inertia Bases

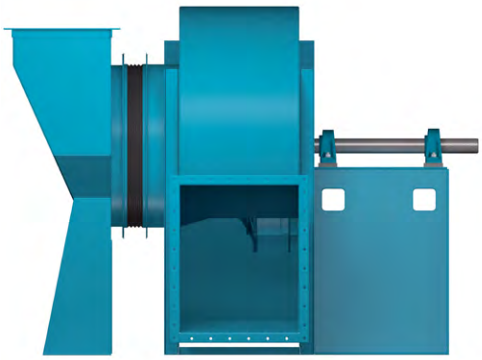
Inertia bases provide a common support to fan, motor and drive including guards and utilize heavy duty structural channel with spring isolators. Inertia bases incorporate reinforcing rods and require customer supplied concrete. Inertia bases are typically used on longer, direct drive fans to mitigate assembly deflection, maintaining proper alignment between the motor, coupling, shaft and bearings. Flexible connectors at inlet and outlet are required.



INTEGRAL INLET BOX
(ATTACHED)



DETACHED INLET BOX
(BOLT ON)



DETACHED INLET BOX
(FREE STANDING)

Inlet Box Positions for Centrifugal Fans

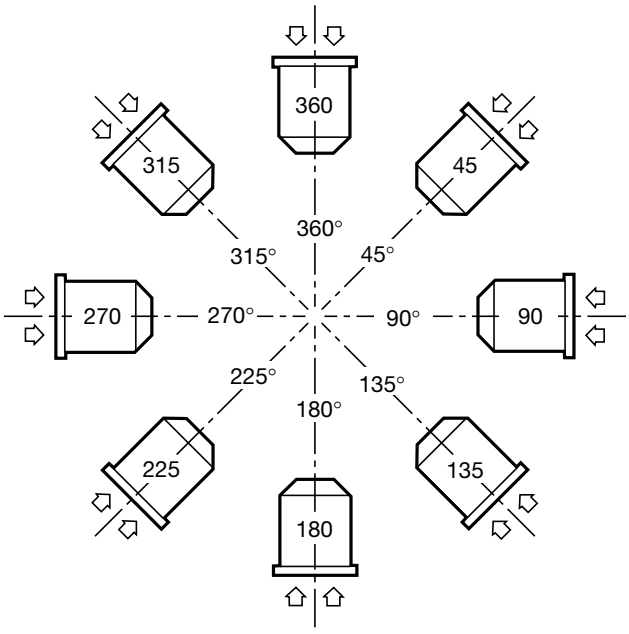
INLET BOX POSITIONS AND DESCRIPTIONS
45 — Angular Down Intake
90 — Horizontal Right Intake
135 — Angular Up Intake
180 — Bottom Up Intake
225 — Angular Up Intake
270 — Horizontal Left Intake
315 — Angular Down Intake
360 — Top Down Intake

Reference line is the Top Vertical Axis through center of fan shaft.

Position of inlet box and air entry to inlet box is determined from drive side of fan.

Position of inlet box is designated in degrees clockwise from Top Vertical Axis as shown.

Positions 135° to 225° in some cases interfere seriously with floor structure.



TCF
TWIN CITY FAN

Maximum RPM, Wheel Weights and WR^2 (Moment of Inertia)

FAN SIZE	MODEL RBO/RBR									MODEL RBW					
	WHEEL WT. (LB)			WR^2 (LB-FT^2)			MAX. RPM			WHEEL WT. (LB)		WR^2 (LB-FT^2)		MAX. RPM	
	CL 22	CL 32	CL 45	CL 22	CL 32	CL 45	CL 22	CL 32	CL 45	CL 22	CL 32	CL 22	CL 32	CL 22	CL 32
905	8	—	—	0.39	—	—	5500	—	—	—	—	—	—	—	—
907	13.3	—	—	1.39	—	—	5296	—	—	18	—	2.4	—	5457	—
909	16.5	—	—	2.32	—	—	4156	—	—	30	—	6.3	—	4192	—
911	43.9	44.8	—	8.7	8.77	—	3283	3844	—	64	69	21	22	3495	4016
913	51.5	51.5	63	13.7	13.7	27.6	2822	3378	4000	87	93	39	42	2922	3373
915	81.6	105	78	32.2	38.4	45.3	2485	2923	3500	135	146	81	88	2531	2921
917	125	126	108	62.7	62.8	80.7	2191	2577	3092	173	188	133	144	2232	2576
919	155	165	158	95.9	99.4	146	1951	2315	2777	227	245	216	233	2004	2313
921	202	202	190	167	167	215	1778	2092	2510	305	330	355	385	1791	2091
923	223	255	230	215	232	312	1623	1910	2292	375	406	525	568	1635	1912
926	266	427	448	461	740	776	1439	1693	2032	461	501	822	894	1449	1696
929	332	551	550	719	1196	1192	1286	1513	1815	586	637	1308	1422	1295	1515
933	509	785	790	1433	2207	2222	1129	1329	1594	1000	1086	2894	3142	1137	1330
937	620	983	983	2186	3465	3465	1009	1187	1424	1252	1362	4541	4941	1015	1188
941	795	1214	1265	3435	5244	5464	911	1072	1286	1546	1670	6867	7463	917	1024
945	1212	1715	—	6314	8936	—	837	976	—	1844	2009	9883	10763	835	978
949	1418	2047	—	8768	12653	—	757	896	—	2236	2432	14220	15469	767	900
954	2754	—	—	20590	—	—	692	—	—	2685	—	20655	—	696	—
960	3355	—	—	31014	—	—	622	—	—	3381	—	32161	—	627	—

FAN SIZE	MODEL RBP						MODEL RBA								
	WHEEL WT. (LB)		WR^2 (LB-FT^2)		MAX. RPM		WHEEL WT. (LB)			WR^2 (LB-FT^2)			MAX. RPM		
	CL 32	CL 45	CL 32	CL 45	CL 32	CL 45	CL 22	CL 32	CL 45	CL 22	CL 32	CL 45	CL 22	CL 32	CL 45
905	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
907	—	—	—	—	—	—	14	—	—	2	—	—	5273	—	—
909	—	—	—	—	—	—	26	—	—	7	—	—	4134	—	—
911	80	—	C.F.	—	3495	—	46	50	—	17	17	—	3373	4000	—
913	125	133	C.F.	C.F.	2922	3373	68	70	91	34	34	46	2812	3337	4000
915	174	186	C.F.	C.F.	2531	2921	104	107	138	70	71	92	2521	2910	3240
917	220	235	C.F.	C.F.	2232	2576	110	154	190	96	131	163	2147	2566	3092
919	277	297	C.F.	C.F.	2004	2313	166	192	235	178	202	250	1928	2304	2777
921	327	349	C.F.	C.F.	1791	2091	224	254	306	291	327	398	1733	2083	2510
923	384	413	C.F.	C.F.	1635	1912	268	338	363	419	532	567	1581	1905	2292
926	539	586	C.F.	C.F.	1449	1696	342	434	452	680	875	900	1402	1689	2032
929	—	—	—	—	—	—	486	542	590	1201	1366	1468	1253	1509	1815
933	—	—	—	—	—	—	713	848	888	2280	2745	2866	1100	1325	1594
937	—	—	—	—	—	—	962	1060	1100	3851	4299	4455	983	1184	1424
941	—	—	—	—	—	—	1178	1318	1592	5780	6542	7892	888	1070	1286
945	—	—	—	—	—	—	1800	1636	—	10901	9766	—	809	974	—
949	—	—	—	—	—	—	2114	2191	—	14938	15560	—	743	894	—
954	—	—	—	—	—	—	2580	—	—	21989	—	—	674	—	—
960	—	—	—	—	—	—	3462	—	—	36440	—	—	607	—	—

C.F. = Consult Factory

Bare Fan Weights (lb)

FAN SIZE	ARRANGEMENTS																
	CLASS 22								CLASS 32					CLASS 45			
	1	4	4VI	8	9	9A, 9B	9F	10	1	4	4VI	8	9, 9F	1	4	8	9 & 9F
905	100	—		130	—	107	—	107	—	—		—	—	—	—	—	—
907	133	126		173	—	183	183	183	—	—		—	—	—	—	—	—
909	174	165		226	—	244	244	244	—	—		—	—	—	—	—	—
911	333	316		433	—	423	423	423	379	360		493	491	—	—	—	—
913	421	400		547	—	528	528	528	501	476		651	658	584	584	759	797
915	612	581		796	—	711	711	711	716	680		931	841	805	805	1047	1061
917	747	710		971	—	859	859	859	876	832		1139	1014	1006	1006	1308	1256
919	943	896		1226	—	1086	1086	1086	1104	1049		1435	1313	1201	—	1561	1410
921	1626	1545		2114	—	1746	1746	1746	1737	1650		2258	1955	1867	—	2427	2084
923	1956	—		2543	—	2088	2088	2088	2273	—		2955	2575	2445	—	3179	2667
926	2456	—		3193	—	2608	2608	2608	2773	—		3605	3077	3086	—	4012	3319
929	2982	—		3877	—	3142	3142	—	3602	—		4683	3962	3818	—	4963	4093
933	3435	—		4466	3512	—	3512	—	4135	—		5376	4379	4536	—	5897	4699
937	4333	—		5633	4437	—	4437	—	5219	—		6785	5489	5495	—	7144	5676
941	5502	—		7153	5821	—	5821	—	6330	—		8229	6712	6770	—	8801	7072
945	6758	—		8785	7087	—	7087	—	7776	—		10109	8166	—	—	—	—
949	8932	—		11612	9632	—	9632	—	9179	—		11933	9601	—	—	—	—
954	11835	—		15386	12667	—	12667	—	—	—		—	—	—	—	—	—
960	14430	—		18759	15374	—	15374	—	—	—		—	—	—	—	—	—

NOTE: Weights are less motor, drives and accessories

Maximum Motor Frame Size

FAN SIZE	CLASS 22					CLASS 32		CLASS 45	
	9A	9B	9	9F	10	9	9F	9	9F
905	—	—	—	—	145T	—	—	—	—
907	184T	215T	—	215T	184T	—	—	—	—
909	184T	256T	—	256T	215T	—	—	—	—
911	215T	256T	—	284T	256T	256T	286T	—	—
913	215T	286T	—	324T	256T	286T	326T	286T	326T
915	256T	286T	—	324T	286T	286T	326T	286T	326T
917	256T	326T	—	326T	286T	326T	365T	326T	365T
919	286T	365T	—	365T	326T	365T	405T	365T	405T
921	326T	365T	—	365T	—	365T	405T	365T	405T
923	326T	365T	—	365T	—	365T	445T	365T	445T
926	365T	405T	—	405T	—	405T	445T	405T	445T
929	365T	405T	—	444T	—	405T	445T	405T	445T
933	—	—	405T	445T	—	405T	445T	405T	445T
937	—	—	405T	445T	—	405T	445T	405T	445T
941	—	—	405T	445T	—	405T	445T	405T	445T
945	—	—	405T	445T	—	405T	445T	—	—
949	—	—	405T	445T	—	405T	445T	—	—
954	—	—	405T	445T	—	—	—	—	—
960	—	—	405T	445T	—	—	—	—	—

TCF
TWIN CITY FAN

Material Specifications

FAN SIZE	HOUSING								
	CLASS 22			CLASS 32			CLASS 45		
	SIDES	SIDE PLATES	SCROLL	SIDES	SIDE PLATES	SCROLL	SIDES	SIDE PLATES	SCROLL
905	12 GA.	10 GA.	12 GA.	—	—	—	—	—	—
907	12 GA.	10 GA.	12 GA.	—	—	—	—	—	—
909	12 GA.	10 GA.	12 GA.	—	—	—	—	—	—
911	10 GA.	10 GA.	10 GA.	7 GA.	7 GA.	7 GA.	—	—	—
913	10 GA.	10 GA.	10 GA.	7 GA.	7 GA.	7 GA.	7 GA.	7 GA.	7 GA.
915	10 GA.	10 GA.	10 GA.	7 GA.	7 GA.	7 GA.	7 GA.	7 GA.	7 GA.
917	10 GA.	10 GA.	10 GA.	7 GA.	7 GA.	7 GA.	0.25	7 GA.	0.25
919	10 GA.	10 GA.	10 GA.	7 GA.	7 GA.	7 GA.	0.25	7 GA.	0.25
921	10 GA.	7 GA.	10 GA.	7 GA.	7 GA.	7 GA.	0.25	7 GA.	0.25
923	7 GA.	7 GA.	7 GA.	0.25	0.25	7 GA.	0.25	7 GA.	0.25
926	7 GA.	7 GA.	7 GA.	0.25	0.25	0.25	0.25	0.25	0.25
929	7 GA.	7 GA.	7 GA.	0.25	0.25	0.25	0.25	0.25	0.25
933	7 GA.	7 GA.	7 GA.	0.25	0.25	0.25	0.25	0.25	0.25
937	0.25	0.25	7 GA.	0.25	0.25	0.25	0.25	0.25	0.25
941	0.25	0.25	7 GA.	0.25	0.25	0.25	0.31	0.25	0.25
945	0.25	0.25	7 GA.	0.25	0.25	0.25	—	—	—
949	0.25	0.25	0.25	0.25	0.25	0.25	—	—	—
954	0.31	0.31	0.31	—	—	—	—	—	—
960	0.31	0.31	0.31	—	—	—	—	—	—

FAN SIZE	RBO / RBR WHEEL (SEE NOTE 1)					RBW WHEEL (SEE NOTE 1)			RBA WHEEL (SEE NOTE 1)						
	BLADE			RBR RIM		BACK-PLATES	BLADE		BACKPLATES		WHEEL CONE		BLADE		
	CL. 22	CL. 32	CL. 45	CL. 32	CL. 45		CL. 22	CL. 32	CL. 22 CL. 32	CL. 45	CL. 22 CL. 32	CL. 45	CL. 22	CL. 32	CL. 45
905	10 GA.	—	—	—	—	0.25	0.19	—	—	—	—	—	—	—	—
907	10 GA.	—	—	—	—	0.25	0.19	—	0.19	—	10 GA.	—	10 GA.	—	—
909	10 GA.	—	—	—	—	0.25	0.19	—	0.19	—	10 GA.	—	7 GA.	—	—
911	7 GA.	0.25	—	—	—	0.25	0.25	0.25	0.25	—	10 GA.	—	7 GA.	7 GA.	—
913	7 GA.	0.25	0.25	—	—	0.25	0.25	0.25	0.25	0.25	10 GA.	10 GA.	7 GA.	7 GA.	7 GA.
915	0.25	0.25	0.25	—	—	0.31	0.31	0.31	0.31	0.31	7 GA.	7 GA.	7 GA.	7 GA.	7 GA.
917	0.25	0.25	0.25	—	—	0.31	0.31	0.31	0.31	0.31	7 GA.	7 GA.	7 GA.	0.25	0.25
919	0.31	0.31	0.31	—	—	0.31	0.31	0.31	0.31	0.31	7 GA.	7 GA.	7 GA.	0.25	0.25
921	0.31	0.31	0.31	—	—	0.38	0.38	0.38	0.38	0.38	7 GA.	7 GA.	7 GA.	0.25	0.25
923	0.31	0.31	0.31	—	—	0.38	0.38	0.38	0.38	0.38	7 GA.	7 GA.	7 GA.	0.25	0.25
926	0.31	0.31	0.31	0.25	0.25	0.38	0.38	0.38	0.38	0.38	7 GA.	7 GA.	7 GA.	0.25	0.25
929	0.31	0.31	0.31	0.25	0.25	0.38	0.38	0.38	0.38	0.38	7 GA.	7 GA.	0.25	0.25	0.25
933	0.38	0.38	0.38	0.25	0.25	0.50	0.50	0.50	0.50	0.50	7 GA.	7 GA.	0.25	0.25	0.25
937	0.38	0.38	0.38	0.25	0.25	0.50	0.50	0.50	0.50	0.50	7 GA.	7 GA.	0.25	0.25	0.25
941	0.38	0.38	0.38	0.25	0.25	0.50	0.50	0.50	0.50	0.50	7 GA.	7 GA.	0.25	0.31	0.31
945	0.50	0.50	—	0.25	—	0.50	0.50	—	0.63	—	0.25	—	0.25	0.31	—
949	0.50	0.50	—	0.25	—	0.50	0.50	—	0.63	—	0.25	—	0.25	0.38	—
954	0.75	—	—	—	—	0.50	0.50	—	0.63	—	0.25	—	0.31	—	—
960	0.75	—	—	—	—	0.50	0.50	—	0.75	—	0.25	—	0.31	—	—

NOTE:
1. Gauges listed are for standard steel wheel; steel alloy will vary with size and class.

TCF
TWIN CITY FAN

Bearings

FAN SIZE	RBO / RBR / RBA / RBW - ARRANGEMENTS 1, 9, 9F, 10						RBA - ARRANGEMENT 8					
	CL. 22		CL. 32		CL. 45		CL. 22		CL. 32		CL. 45	
	SHAFT DIA.	BRG TYPE	SHAFT DIA.	BRG TYPE	SHAFT DIA.	BRG TYPE	SHAFT DIA.	BRG TYPE	SHAFT DIA.	BRG TYPE	SHAFT DIA.	BRG TYPE
905	1	HDB	—	—	—	—	—	—	—	—	—	—
907	1-7/16	HDB	—	—	—	—	1	SDB-C	—	—	—	—
909	1-7/16	HDB	—	—	—	—	1-3/16	SDB-C	—	—	—	—
911	1-11/16	HDB	1-15/16	RB-C & RB-CE	—	—	1-7/16	SDB-C	1-11/16	SDB-C	—	—
913	1-11/16	HDB	1-15/16	RB-C & RB-CE	2-3/16	RB-C & RB-CE	1-11/16	SDB-C	1-15/16	SDB-C	2-3/16	HDB-C
915	2-3/16	HDB-C	2-7/16	RB-C & RB-CE	2-7/16	RB-C & RB-CE	1-15/16	SDB-C	2-3/16	SDB-C	2-7/16	SDB-C
917	2-3/16	HDB-C	2-7/16	RB & RB-E	2-11/16	RB-C & RB-CE	2-3/16	SDB-C	2-7/16	SDB-C	2-15/16	RB-C & RB-CE
919	2-3/16	RB & RB-E	2-15/16	RB-C & RB-CE	2-15/16	RB-C & RB-CE	2-3/16	RB & RB-E	2-7/16	RB-C & RB-CE	2-15/16	RB-C & RB-CE
921	2-7/16	RB & RB-E	2-15/16	RB & RB-E	2-15/16	RB-C & RB-CE	2-3/16	RB & RB-E	2-7/16	RB-C & RB-CE	2-15/16	RB-C & RB-CE
923	2-7/16	RB & RB-E	3-7/16	RB & RB-E	3-7/16	RB-C & RB-CE	2-3/16	RB & RB-E	2-11/16	RB-C & RB-CE	3-7/16	RB-C & RB-CE
926	2-15/16	RB & RB-E	3-7/16	RB-C & RB-CE	3-15/16	RB-C & RB-CE	2-7/16	RB-C & RB-CE	2-11/16	RB-C & RB-CE	3-7/16	RB-C & RB-CE
929	3-7/16	RB & RB-E	3-15/16	RB-C & RB-CE	3-15/16	SRB	2-7/16	RB-C & RB-CE	2-15/16	RB-C & RB-CE	3-7/16	RB-C & RB-CE
933	3-7/16	RB & RB-E	3-15/16	RB-C & RB-CE	4-7/16	SRB	2-15/16	RB & RB-E	3-7/16	RB-C & RB-CE	3-15/16	RB-C & RB-CE
937	3-7/16	RB & RB-E	4-15/16	SRB	4-15/16	SRB	3-7/16	RB & RB-E	3-7/16	RB & RB-E	3-15/16	RB-C & RB-CE
941	3-15/16	SRB	4-15/16	SRB	5-7/16	SRB	3-7/16	RB & RB-E	3-15/16	RB & RB-E	4-15/16	RB-C & RB-CE
945	3-15/16	SRB	4-15/16	SRB	—	—	3-15/16	RB & RB-E	4-7/16	RB & RB-E	—	—
949	4-7/16	SRB	5-7/16	SRB	—	—	4-7/16	RB & RB-E	4-15/16	RB & RB-E	—	—
954	5-7/16	SRB	—	—	—	—	4-15/16	RB & RB-E	—	—	—	—
960	5-15/16	SRB	—	—	—	—	5-7/16	SRB	—	—	—	—

FAN SIZE	RBO / RBR - ARRANGEMENT 8						RBW - ARRANGEMENT 8				RBP
	CL. 22		CL. 32		CL. 45		CL. 22		CL. 32		
	SHAFT DIA.	BRG TYPE	SHAFT DIA.	BRG TYPE	SHAFT DIA.	BRG TYPE	SHAFT DIA.	BRG TYPE	SHAFT DIA.	BRG TYPE	
905	—	—	—	—	—	—	—	—	—	—	—
907	1-3/16	SDB-C	—	—	—	—	1	SDB-C	—	—	—
909	1-7/16	SDB-C	—	—	—	—	1-7/16	SDB-C	—	—	—
911	1-11/16	SDB-C	1-15/16	SDB-C	—	—	1-11/16	SDB-C	1-11/16	SDB-C	
913	1-11/16	SDB-C	1-15/16	SDB-C	2-3/16	HDB-C	1-7/16	SDB-C	1-11/16	SDB-C	
915	1-15/16	SDB-C	2-7/16	SDB-C	2-3/16	SDB-C	1-11/16	SDB-C	2-3/16	HDB-C	
917	2-3/16	SDB-C	2-7/16	SDB-C	2-7/16	SDB-C	2-3/16	HDB-C	2-3/16	RB-C & RB-CE	CONSULT FACTORY
919	2-3/16	SDB	2-7/16	SDB-C	2-11/16	HDB-C	1-15/16	RB-C & RB-CE	2-3/16	RB-C & RB-CE	
921	2-7/16	SDB-C	2-11/16	HDB-C	3-7/16	SHDB	2-3/16	RB & RB-E	2-11/16	RB-C & RB-CE	
923	2-7/16	SDB-C	2-15/16	HDB-C	3-7/16	SHDB	2-7/16	RB-C & RB-CE	2-11/16	RB-C & RB-CE	
926	2-7/16	SDB	3-7/16	HDB-C	3-15/16	RB-C & RB-CE	2-7/16	RB-C & RB-CE	2-15/16	RB-C & RB-CE	
929	2-11/16	SDB	3-15/16	RB-C & RB-CE	3-15/16	RB-C & RB-CE	2-7/16	RB-C & RB-CE	2-15/16	RB-C & RB-CE	
933	2-15/16	HDB	4-7/16	RB-C & RB-CE	4-15/16	RB-C & RB-CE	3-7/16	RB & RB-E	3-7/16	RB-C & RB-CE	—
937	3-7/16	HDB	4-7/16	RB-C & RB-CE	4-15/16	RB-C & RB-CE	3-7/16	RB & RB-E	3-7/16	RB & RB-E	—
941	3-7/16	RB & RB-E	4-7/16	RB-C & RB-CE	5-7/16	SRB	3-15/16	RB & RB-E	3-15/16	RB & RB-E	—
945	3-15/16	RB & RB-E	4-15/16	RB-C & RB-CE	—	—	3-15/16	RB & RB-E	4-7/16	RB & RB-E	—
949	4-7/16	RB & RB-E	5-7/16	SRB	—	—	4-7/16	RB & RB-E	4-7/16	RB & RB-E	—
954	5-7/16	SRB	—	—	—	—	4-15/16	RB & RB-E	—	—	—
960	5-15/16	SRB	—	—	—	—	5-7/16	SRB	—	—	—

Dimensions are in inches unless otherwise noted.

NOTES:

1. Bearing Codes: HDB = Heavy Duty Ball Bearing
   HDB-C = Concentric Heavy Duty Ball Bearing
   RB = Roller Bearing
   RB-C & RB-CE = Concentric Roller Bearing
   SDB = Standard Duty Ball Bearing
   SDB-C = Concentric Standard Duty Ball Bearing
   SHDB = Special Heavy Duty Ball Bearing
   SRB = Spherical Roller Bearings with Split Pillow Block Housings (Bearing Races Not Split)
2. Bearing selection is made on the basis of L-10 bearing life to be in no case less than 40,000 hours minimum or L-50 life of 200,000 hours.
3. Bearing selection is made at standard temperature. For operating temperatures above 300°F, consult Twin City Fan & Blower.

905

Wheel Diameter: 8.75"
Tip Speed (FPM): 2.29 x RPM

Inlet Area: 0.14 ft²
Inlet Diameter: 5" O.D.

Outlet Area: 0.15 ft²
Outlet Dimension: 4 5/16" x 4 11/16"

RBO 905

Fan Efficiency Grade = FEG63

CFM	OV	0.5" SP		1" SP		1.5" SP		2" SP		2.5" SP		3" SP		3.5" SP		4" SP		4.5" SP		5" SP		5.5" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
182	1200	1338	0.04	1724	0.07	2042	0.10	2313	0.13	2554	1.00	2774	0.20	2979	0.24	3170	0.28	3350	0.32	3521	0.36	3684	0.40
243	1600	1523	0.06	1854	0.10	2150	0.13	2412	0.17	2648	0.21	2864	0.26	3062	0.30	3248	0.35	3423	0.39	3590	0.44	3750	0.49
304	2000	1733	0.10	2029	0.14	2287	0.19	2529	0.23	2755	0.28	2964	0.33	3159	0.38	3343	0.43	3516	0.48	3680	0.54	3835	0.59
365	2400	1968	0.15	2223	0.20	2462	0.26	2678	0.30	2883	0.36	3081	0.41	3269	0.47	3447	0.53	3615	0.58	3777	0.65	3932	0.71
426	2800	2214	0.23	2436	0.28	2653	0.34	2857	0.40	3044	0.46	3223	0.52	3397	0.58	3566	0.64	3730	0.71	3886	0.77	4036	0.84
486	3200	2465	0.32	2664	0.38	2855	0.44	3044	0.51	3223	0.58	3390	0.65	3549	0.71	3704	0.78	3857	0.85	4006	0.92	4152	1.00
547	3600	2725	0.43	2906	0.50	3077	0.57	3246	0.64	3414	0.72	3575	0.80	3727	0.88	3872	0.95	4012	1.02	4149	1.10	4285	1.18
608	4000	2989	0.58	3154	0.65	3312	0.73	3465	0.80	3617	0.89	3767	0.97	3914	1.06	4054	1.15	4187	1.23	4317	1.32	4443	1.40
669	4400	3256	0.75	3408	0.83	3555	0.92	3695	1.00	3833	1.08	3971	1.18	4108	1.27	4243	1.37	4373	1.47	4498	1.56	4618	1.65
730	4800	3526	0.96	3667	1.05	3803	1.14	3934	1.23	4062	1.32	4188	1.41	4314	1.51	4440	1.62	4564	1.72	4685	1.83	4803	1.94
790	5200	3793	1.20	3924	1.30	4052	1.39	4175	1.49	4295	1.59	4412	1.69	4528	1.79	4645	1.90	4761	2.01	4876	2.12	4990	2.24
851	5600	4066	1.49	4188	1.59	4308	1.69	4424	1.80	4537	1.90	4648	2.01	4756	2.11	4864	2.22	4972	2.33	5080	2.45	5187	2.57
912	6000	4340	1.81	4455	1.92	4568	2.03	4678	2.15	4785	2.26	4889	2.37	4991	2.48	5092	2.59	5193	2.71	5293	2.83		
973	6400	4615	2.18	4724	2.30	4830	2.42	4934	2.54	5036	2.66	5135	2.78	5232	2.90								
1034	6800	4891	2.60	4994	2.73	5094	2.86	5193	2.98	5290	3.11												
1094	7200	5164	3.07	5261	3.20																		

CFM	OV	6" SP		6.5" SP		7" SP		7.5" SP		8" SP		8.5" SP		9" SP		9.5" SP		10" SP		10.5" SP		11" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
182	1200	3840	0.44	3989	0.49	4134	0.54	4273	0.58	4408	0.63	4539	0.68	4666	0.73	4790	0.78	4911	0.84	5029	0.89	5144	0.94
243	1600	3903	0.54	4051	0.59	4193	0.64	4331	0.69	4464	0.75	4593	0.80	4719	0.86	4842	0.92	4961	0.97	5078	1.03	5192	1.09
304	2000	3985	0.65	4128	0.70	4267	0.76	4402	0.82	4533	0.88	4660	0.94	4784	1.00	4905	1.07	5023	1.13	5139	1.19	5251	1.26
365	2400	4080	0.77	4222	0.83	4359	0.90	4492	0.96	4620	1.03	4744	1.10	4865	1.16	4983	1.23	5099	1.30	5212	1.37		
426	2800	4181	0.91	4321	0.98	4456	1.05	4588	1.12	4715	1.20	4839	1.27	4959	1.35	5076	1.42	5190	1.50				
486	3200	4293	1.07	4429	1.15	4561	1.22	4689	1.30	4814	1.38	4936	1.46	5055	1.54	5171	1.62	5284	1.71				
547	3600	4419	1.26	4550	1.34	4679	1.42	4804	1.51	4926	1.59	5045	1.68	5160	1.77	5274	1.85						
608	4000	4567	1.48	4689	1.56	4810	1.65	4930	1.74	5048	1.83	5164	1.93	5277	2.02								
669	4400	4735	1.74	4850	1.83	4963	1.92	5075	2.01	5186	2.11	5295	2.20										
730	4800	4916	2.04	5027	2.14	5134	2.23	5240	2.33														
790	5200	5101	2.35	5208	2.46																		
851	5600	5293	2.70																				
912	6000																						
973	6400																						
1034	6800																						
1094	7200																						

MAXIMUM RPM: 5296

Selections above 4000 RPM not recommended. Consult factory.

Performance certified is for installation type B & D: Free or ducted inlet, ducted outlet.
Power ratings (BHP) do not include transmission losses.
Performance ratings do not include the effects of appurtenances (accessories).

Underlined figures indicate maximum static efficiency.
Regular face to left of Class 32 = Class 22
Regular face in light shaded area = Class 32

TCF
TWIN CITY FAN

907

Wheel Diameter: 12.25"
Tip Speed (FPM): 3.21 x RPM

Inlet Area: 0.26 ft²
Inlet Diameter: 7" O.D.

Outlet Area: 0.27 ft²
Outlet Dimension: 5⅞" x 6⅝"

RBO 907

Fan Efficiency Grade = FEG67

CFM	OV	1" SP		2" SP		4" SP		6" SP		8" SP		12" SP		16" SP		20" SP		24" SP		28" SP		32" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
324	1200	1179	0.10	1592	0.20	2198	0.41	2666	0.65	3063	0.90												
432	1600	1265	0.15	1650	0.26	2239	0.53	2703	0.81	3096	1.11	3758	1.75										
540	2000	1371	0.21	1728	0.35	2289	0.65	2744	0.98	3134	1.33	3791	2.06	4346	2.84	4837	3.68	5282	4.57				
648	2400	1491	0.29	1821	0.45	2356	0.80	2794	1.17	3177	1.57	3829	2.40	4381	3.27	4868	4.17						
756	2800	1622	0.40	1929	0.58	2435	0.97	2858	1.38	3228	1.82	3870	2.74	4419	3.72	4903	4.72						
864	3200	1762	0.53	2048	0.73	2525	1.16	2933	1.62	3291	2.10	3917	3.11	4459	4.17	4941	5.28						
972	3600	1909	0.69	2173	0.92	2626	1.39	3017	1.89	3365	2.41	3973	3.51	4504	4.66	4982	5.85						
1080	4000	2062	0.89	2307	1.14	2737	1.66	3110	2.20	3446	2.76	4039	3.94	4557	5.18	5026	6.46						
1188	4400	2219	1.12	2446	1.40	2854	1.97	3211	2.55	3535	3.15	4113	4.40	4619	5.73	5078	7.10						
1296	4800	2380	1.40	2591	1.71	2977	2.31	3320	2.94	3632	3.59	4193	4.92	4688	6.32	5137	7.78						
1404	5200	2543	1.72	2739	2.05	3106	2.71	3436	3.38	3736	4.07	4279	5.48	4764	6.95	5204	8.49						
1512	5600	2709	2.09	2892	2.45	3239	3.16	3556	3.87	3846	4.60	4371	6.10	4845	7.65	5276	9.25						
1620	6000	2877	2.52	3048	2.90	3377	3.66	3681	4.42	3962	5.19	4470	6.77	4931	8.40								
1728	6400	3046	3.00	3207	3.40	3519	4.22	3810	5.02	4082	5.83	4575	7.50	5023	9.22								
1836	6800	3216	3.54	3368	3.97	3664	4.83	3942	5.69	4205	6.54	4684	8.29	5119	10.09								
1944	7200	3387	4.15	3531	4.60	3812	5.51	4079	6.42	4332	7.32	4799	9.15	5222	11.04								

MAXIMUM RPM: CLASS 22 = 5296

Selections above 4000 RPM not recommended. Consult factory.

RBA 907

Fan Efficiency Grade = FEG80

CFM	OV	1" SP		2" SP		4" SP		6" SP		8" SP		12" SP		16" SP		20" SP		24" SP		28" SP		32" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
324	1200	1163	0.08	1574	0.17																		
432	1600	1251	0.12	1626	0.22	2217	0.46	2697	0.72														
540	2000	1351	0.16	1708	0.29	2258	0.56	2716	0.86	3116	1.18												
648	2400	1463	0.22	1800	0.36	2323	0.67	2756	1.01	3141	1.36	3810	2.13										
756	2800	1583	0.29	1902	0.45	2407	0.80	2817	1.17	3184	1.56	3831	2.40	4395	3.30								
864	3200	1710	0.38	2012	0.56	2497	0.95	2895	1.36	3244	1.78	3866	2.68	4414	3.65	4909	4.67						
972	3600	1843	0.48	2128	0.68	2594	1.11	2982	1.56	3320	2.03	3916	3.00	4447	4.02	4930	5.11						
1080	4000	1980	0.61	2249	0.83	2697	1.29	3073	1.78	3405	2.29	3980	3.34	4493	4.43	4962	5.58						
1188	4400	2122	0.76	2375	1.00	2806	1.50	3171	2.03	3494	2.58	4057	3.70	4550	4.87	5006	6.08						
1296	4800	2269	0.95	2506	1.20	2919	1.74	3273	2.30	3588	2.88	4141	4.10	4620	5.33	5060	6.62						
1404	5200	2419	1.16	2640	1.43	3036	2.00	3380	2.60	3687	3.22	4227	4.51	4699	5.83	5125	7.18						
1512	5600	2571	1.40	2777	1.69	3157	2.30	3490	2.93	3789	3.59	4318	4.95	4783	6.36	5201	7.79						
1620	6000	2726	1.68	2918	1.98	3282	2.63	3605	3.30	3896	3.99	4413	5.42	4870	6.92								
1728	6400	2882	1.99	3061	2.31	3410	3.00	3722	3.70	4006	4.42	4512	5.93	4960	7.50								
1836	6800	3040	2.35	3208	2.68	3541	3.40	3843	4.14	4119	4.90	4614	6.48	5053	8.11								
1944	7200	3198	2.74	3357	3.09	3674	3.85	3966	4.63	4235	5.42	4719	7.06	5150	8.76								

MAXIMUM RPM: CLASS 22 = 5273

Selections above 4000 RPM not recommended. Consult factory.

RBW 907

Fan Efficiency Grade = FEG67

CFM	OV	1" SP		2" SP		4" SP		6" SP		8" SP		12" SP		16" SP		20" SP		24" SP		28" SP		32" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
324	1200	1206	0.10	1607	0.18	2208	0.37	2679	0.57	3080	0.80												
432	1600	1306	0.14	1683	0.25	2257	0.49	2717	0.73	3110	0.99	3776	1.56										
540	2000	1420	0.21	1777	0.34	2324	0.62	2768	0.91	3153	1.22	3808	1.85	4365	2.53	4859	3.26	5308	4.05				
648	2400	1543	0.29	1884	0.44	2408	0.77	2835	1.11	3207	1.45	3850	2.19	4400	2.94	4887	3.73	5330	4.56				
756	2800	1674	0.39	1999	0.57	2504	0.94	2916	1.33	3277	1.72	3901	2.53	4443	3.39	4924	4.26	5362	5.16				
864	3200	1812	0.53	2120	0.73	2609	1.14	3008	1.57	3357	2.01	3965	2.92	4493	3.85	4968	4.82	5401	5.81				
972	3600	1954	0.68	2247	0.92	2720	1.37	3107	1.85	3447	2.33	4039	3.34	4555	4.35	5020	5.40	5446	6.48				
1080	4000	2101	0.87	2380	1.14	2836	1.64	3214	2.16	3545	2.69	4122	3.78	4627	4.90	5081	6.03						
1188	4400	2252	1.10	2517	1.40	2956	1.95	3325	2.51	3648	3.08	4213	4.27	4705	5.47	5151	6.70						
1296	4800	2409	1.37	2658	1.69	3081	2.31	3440	2.91	3757	3.52	4309	4.79	4791	6.09	5227	7.41						
1404	5200	2570	1.69	2801	2.02	3210	2.70	3559	3.35	3870	4.01	4410	5.36	4884	6.75	5311	8.15						
1512	5600	2733	2.05	2948	2.40	3342	3.14	3681	3.85	3985	4.55	4516	5.98	4980	7.45	5401	8.95						
1620	6000	2899	2.48	3098	2.84	3478	3.64	3807	4.39	4104	5.15	4626	6.66	5082	8.22								
1728	6400	3066	2.96	3252	3.33	3617	4.18	3937	5.00	4226	5.80	4739	7.40	5187	9.03								
1836	6800	3235	3.50	3409	3.88	3758	4.79	4069	5.66	4351	6.51	4853	8.20	5296	9.91								
1944	7200	3405	4.10	3570	4.51	3901	5.44	4204	6.38	4479	7.29	4971	9.07	5407	10.86								

MAXIMUM RPM: CLASS 22 = 5457

Selections above 4000 RPM not recommended. Consult factory.

Performance certified is for installation type B & D: Free or ducted inlet, ducted outlet.
Power ratings (BHP) do not include transmission losses.
Performance ratings do not include the effects of appurtenances (accessories).

Underlined figures indicate maximum static efficiency.
Regular face to left of Class 32 = Class 22
Regular face in light shaded area = Class 32

909

Wheel Diameter: 15.625"
Tip Speed (FPM): 4.09 x RPM

Inlet Area: 0.43 ft²
Inlet Diameter: 9" O.D.

Outlet Area: 0.44 ft²
Outlet Dimension: 7½" x 8⁷⁄₁₆"

RBO 909

Fan Efficiency Grade = FEG63

CFM	OV	1" SP		2" SP		4" SP		6" SP		8" SP		12" SP		16" SP		20" SP		24" SP		28" SP		32" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
528	1200	925	0.16	1248	0.32	1723	0.67	2091	1.05	2402	1.47												
704	1600	992	0.24	1294	0.43	1755	0.86	2119	1.32	2427	1.80	2946	2.85										
880	2000	1075	0.34	1355	0.56	1795	1.06	2152	1.60	2457	2.17	2972	3.36	3408	4.63	3793	5.99	4141	7.44				
1056	2400	1170	0.47	1429	0.74	1847	1.30	2191	1.91	2491	2.55	3002	3.90	3435	5.32	3817	6.80						
1232	2800	1273	0.65	1513	0.94	1910	1.57	2241	2.25	2531	2.97	3035	4.47	3465	6.05	3844	7.68						
1408	3200	1383	0.86	1607	1.20	1981	1.90	2300	2.64	2581	3.42	3071	5.07	3497	6.80	3874	8.60						
1584	3600	1499	1.13	1706	1.50	2060	2.28	2366	3.08	2639	3.93	3115	5.72	3532	7.59	3906	9.53						
1760	4000	1618	1.45	1810	1.87	2147	2.71	2439	3.59	2703	4.50	3167	6.42	3574	8.44	3941	10.52						
1936	4400	1742	1.83	1920	2.29	2240	3.21	2519	4.16	2773	5.14	3225	7.17	3622	9.34	3982	11.57						
2112	4800	1868	2.29	2033	2.78	2336	3.78	2605	4.80	2849	5.85	3288	8.01	3677	10.30	4029	12.68						
2288	5200	1997	2.81	2150	3.35	2437	4.43	2696	5.52	2931	6.64	3356	8.94	3736	11.33	4081	13.84						
2464	5600	2127	3.42	2270	4.00	2542	5.16	2790	6.31	3018	7.51	3429	9.95	3800	12.47	4138	15.08						
2640	6000	2258	4.11	2393	4.73	2650	5.97	2888	7.21	3108	8.46	3507	11.05	3868	13.70								
2816	6400	2391	4.90	2517	5.56	2762	6.88	2989	8.19	3202	9.51	3589	12.24	3940	15.04								
2992	6800	2525	5.79	2644	6.48	2875	7.88	3094	9.29	3300	10.68	3675	13.53	4016	16.47								
3168	7200	2660	6.78	2772	7.51	2992	9.00	3201	10.48	3399	11.94	3765	14.93	4096	18.00								

MAXIMUM RPM: CLASS 22 = 4156

Selections above 4000 RPM not recommended. Consult factory.

RBA 909

Fan Efficiency Grade = FEG75

CFM	OV	1" SP		2" SP		4" SP		6" SP		8" SP		12" SP		16" SP		20" SP		24" SP		28" SP		32" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
528	1200	912	0.14	1234	0.28																		
704	1600	981	0.19	1275	0.36	1738	0.75	2114	1.18														
880	2000	1060	0.26	1340	0.47	1770	0.91	2130	1.40	2443	1.92												
1056	2400	1148	0.36	1412	0.59	1822	1.10	2161	1.64	2463	2.22	2987	3.47										
1232	2800	1242	0.47	1492	0.74	1888	1.31	2209	1.91	2497	2.55	3003	3.90	3445	5.37								
1408	3200	1342	0.62	1578	0.91	1958	1.55	2271	2.22	2544	2.91	3031	4.37	3461	5.94	3849	7.61						
1584	3600	1446	0.79	1669	1.11	2035	1.81	2339	2.55	2604	3.30	3071	4.89	3487	6.56	3865	8.32						
1760	4000	1554	1.00	1765	1.36	2116	2.11	2411	2.91	2671	3.74	3121	5.43	3523	7.22	3891	9.09						
1936	4400	1666	1.25	1864	1.64	2201	2.45	2487	3.31	2741	4.21	3182	6.04	3568	7.93	3925	9.91						
2112	4800	1781	1.54	1967	1.97	2290	2.83	2568	3.75	2815	4.71	3248	6.68	3623	8.69	3968	10.78						
2288	5200	1899	1.89	2072	2.34	2383	3.27	2651	4.24	2892	5.25	3316	7.36	3686	9.51	4019	11.70						
2464	5600	2019	2.29	2180	2.76	2478	3.76	2738	4.78	2973	5.85	3387	8.07	3752	10.38	4079	12.69						
2640	6000	2140	2.74	2290	3.23	2576	4.30	2828	5.38	3056	6.50	3462	8.84	3820	11.28								
2816	6400	2263	3.26	2403	3.77	2676	4.90	2921	6.04	3143	7.21	3540	9.67	3890	12.22								
2992	6800	2387	3.84	2518	4.37	2779	5.56	3015	6.76	3232	7.99	3619	10.55	3964	13.22								
3168	7200	2511	4.48	2636	5.05	2883	6.28	3112	7.55	3323	8.84	3702	11.51	4040	14.29								

MAXIMUM RPM: CLASS 22 = 4134

Selections above 4000 RPM not recommended. Consult factory.

RBW 909

Fan Efficiency Grade = FEG67

CFM	OV	1" SP		2" SP		4" SP		6" SP		8" SP		12" SP		16" SP		20" SP		24" SP		28" SP		32" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
528	1200	946	0.16	1260	0.30	1731	0.60	2101	0.94	2415	1.31												
704	1600	1025	0.23	1320	0.41	1769	0.79	2130	1.20	2438	1.62	2960	2.53										
880	2000	1114	0.34	1394	0.55	1823	1.01	2170	1.48	2472	1.98	2985	3.02	3423	4.12	3810	5.31	4162	6.60				
1056	2400	1211	0.47	1478	0.72	1889	1.25	2223	1.80	2515	2.37	3019	3.56	3450	4.80	3832	6.08	4179	7.43				
1232	2800	1314	0.64	1568	0.93	1964	1.54	2287	2.16	2569	2.81	3059	4.13	3484	5.53	3861	6.95						
1408	3200	1422	0.86	1663	1.19	2046	1.86	2359	2.56	2633	3.29	3109	4.76	3523	6.27	3896	7.86						
1584	3600	1534	1.12	1763	1.50	2134	2.24	2437	3.01	2704	3.81	3168	5.44	3572	7.10	3936	8.80						
1760	4000	1649	1.42	1867	1.86	2225	2.68	2521	3.52	2780	4.39	3233	6.17	3628	7.99	3984	9.82						
1936	4400	1768	1.79	1975	2.28	2319	3.19	2609	4.10	2862	5.03	3304	6.95	3690	8.92	4039	10.92						
2112	4800	1891	2.23	2086	2.76	2417	3.76	2699	4.74	2947	5.74	3380	7.81	3758	9.92	4100	12.08						
2288	5200	2018	2.76	2199	3.31	2518	4.40	2792	5.47	3036	6.54	3459	8.74	3831	11.00	4165	13.29						
2464	5600	2146	3.36	2314	3.93	2623	5.13	2888	6.28	3126	7.42	3543	9.76	3906	12.15								
2640	6000	2276	4.05	2432	4.63	2729	5.94	2987	7.17	3220	8.40	3629	10.86	3986	13.40								
2816	6400	2408	4.83	2553	5.44	2839	6.84	3089	8.16	3316	9.47	3717	12.06	4069	14.73								
2992	6800	2540	5.72	2677	6.35	2950	7.82	3193	9.24	3414	10.63	3808	13.38	4154	16.16								
3168	7200	2674	6.71	2802	7.36	3062	8.89	3299	10.42	3514	11.89	3900	14.80										

MAXIMUM RPM: CLASS 22 = 4192

Selections above 4000 RPM not recommended. Consult factory.

Performance certified is for installation type B & D: Free or ducted inlet, ducted outlet.
Power ratings (BHP) do not include transmission losses.
Performance ratings do not include the effects of appurtenances (accessories).

Underlined figures indicate maximum static efficiency.
Regular face to left of Class 32 = Class 22
Regular face in light shaded area = Class 32

911

Wheel Diameter: 19.125"
Tip Speed (FPM): 5.01 x RPM

Inlet Area: 0.64 ft²
Inlet Diameter: 11" O.D.

Outlet Area: 0.66 ft²
Outlet Dimension: 9 3/16" x 10 5/16"

RBO 911

Fan Efficiency Grade = FEG60

CFM	OV	1" SP		2" SP		4" SP		6" SP		8" SP		12" SP		16" SP		20" SP		24" SP		28" SP		32" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
792	1200	756	0.24	1020	0.48	1408	1.00	1708	1.58	1962	2.21												
1056	1600	811	0.36	1057	0.64	1434	1.28	1731	1.97	1983	2.70	2407	4.27	2766	6.02								
1320	2000	879	0.51	1107	0.85	1466	1.59	1758	2.40	2008	3.25	2428	5.03	2784	6.94	3099	8.98	3383	11.16				
1584	2400	957	0.71	1168	1.10	1510	1.95	1790	2.87	2035	3.82	2453	5.86	2806	7.98	3118	10.19	3401	12.53	3661	14.97		
1848	2800	1041	0.97	1237	1.42	1561	2.36	1831	3.38	2068	4.45	2479	6.70	2831	9.08	3141	11.53	3422	14.05	3680	16.66		
2112	3200	1131	1.30	1313	1.80	1619	2.85	1880	3.96	2109	5.14	2509	7.61	2857	10.20	3165	12.89	3444	15.65	3701	18.48		
2376	3600	1225	1.69	1394	2.26	1684	3.42	1934	4.63	2157	5.90	2546	8.59	2886	11.39	3191	14.29	3469	17.31	3725	20.39		
2640	4000	1323	2.18	1480	2.80	1755	4.07	1994	5.39	2209	6.75	2588	9.63	2920	12.66	3220	15.78	3495	18.99	3749	22.29		
2904	4400	1424	2.75	1570	3.44	1831	4.82	2059	6.25	2266	7.71	2636	10.77	2960	14.01	3253	17.35	3524	20.78	3776	24.29		
3168	4800	1528	3.44	1663	4.19	1910	5.68	2129	7.20	2329	8.78	2687	12.02	3005	15.45	3292	19.01	3557	22.66	3805	26.38		
3432	5200	1633	4.23	1758	5.03	1992	6.65	2204	8.28	2396	9.97	2743	13.42	3053	17.00	3335	20.77	3595	24.63	3838	28.57		
3696	5600	1739	5.14	1856	6.00	2078	7.75	2281	9.48	2467	11.27	2803	14.94	3105	18.70	3382	22.64	3637	26.70				
3960	6000	1847	6.18	1957	7.12	2167	8.98	2361	10.82	2541	12.71	2866	16.58	3161	20.56	3432	24.66	3682	28.89				
4224	6400	1956	7.37	2059	8.36	2258	10.34	2444	12.31	2618	14.29	2933	18.36	3220	22.57	3485	26.85	3731	31.24				
4488	6800	2065	8.70	2162	9.74	2351	11.85	2529	13.94	2697	16.03	3004	20.31	3282	24.71	3541	29.20	3782	33.75				
4752	7200	2175	10.19	2267	11.29	2446	13.51	2617	15.73	2779	17.94	3077	22.41	3348	27.02	3600	31.71	3837	36.48				

MAXIMUM RPM: CLASS 22 = 3283 CLASS 32 = 3844

RBA 911

Fan Efficiency Grade = FEG71

CFM	OV	1" SP		2" SP		4" SP		6" SP		8" SP		12" SP		16" SP		20" SP		24" SP		28" SP		32" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
792	1200	746	0.21	1009	0.42																		
1056	1600	802	0.29	1042	0.55	1420	1.12	1727	1.77														
1320	2000	867	0.40	1095	0.71	1447	1.37	1740	2.09	1996	2.88												
1584	2400	938	0.53	1154	0.89	1489	1.65	1766	2.46	2012	3.32	2441	5.21										
1848	2800	1015	0.71	1220	1.11	1543	1.97	1805	2.87	2040	3.82	2454	5.85	2815	8.05								
2112	3200	1097	0.92	1290	1.36	1601	2.32	1856	3.33	2079	4.36	2477	6.56	2828	8.91	3145	11.42	3435	14.01				
2376	3600	1183	1.19	1365	1.67	1663	2.72	1911	3.82	2128	4.96	2509	7.32	2849	9.83	3158	12.48	3443	15.28	3707	18.13		
2640	4000	1271	1.50	1443	2.04	1730	3.17	1970	4.37	2183	5.61	2550	8.15	2879	10.84	3179	13.63	3457	16.56	3716	19.60	3961	22.75
2904	4400	1362	1.88	1524	2.46	1799	3.67	2033	4.96	2240	6.31	2600	9.06	2916	11.90	3207	14.86	3478	17.93	3732	21.11	3972	24.43
3168	4800	1456	2.32	1608	2.95	1872	4.25	2099	5.63	2300	7.05	2654	10.02	2961	13.04	3242	16.17	3506	19.41	3754	22.73	3988	26.15
3432	5200	1553	2.84	1694	3.51	1948	4.91	2167	6.36	2364	7.88	2710	11.04	3012	14.27	3284	17.55	3540	20.96	3782	24.46		
3696	5600	1651	3.44	1782	4.14	2026	5.64	2239	7.18	2430	8.78	2768	12.11	3066	15.56	3333	19.04	3580	22.58	3815	26.24		
3960	6000	1750	4.12	1873	4.86	2106	6.45	2312	8.07	2498	9.76	2830	13.28	3122	16.92	3386	20.62	3627	24.32	3855	28.14		
4224	6400	1851	4.90	1965	5.66	2188	7.35	2388	9.07	2569	10.83	2893	14.51	3180	18.34	3440	22.25	3678	26.16	3901	30.14		
4488	6800	1952	5.77	2059	6.57	2272	8.35	2465	10.15	2642	12.00	2958	15.84	3240	19.84	3496	23.96	3732	28.10	3951	32.26		
4752	7200	2054	6.74	2155	7.58	2358	9.44	2544	11.34	2716	13.26	3026	17.28	3302	21.44	3553	25.72	3786	30.08				

MAXIMUM RPM: CLASS 22 = 3373 CLASS 32 = 4000

RBW 911

Fan Efficiency Grade = FEG63

CFM	OV	1" SP		2" SP		4" SP		6" SP		8" SP		12" SP		16" SP		20" SP		24" SP		28" SP		32" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
792	1200	773	0.24	1030	0.45	1415	0.91	1716	1.40	1973	1.96												
1056	1600	838	0.35	1078	0.62	1446	1.19	1740	1.79	1992	2.43	2419	3.80										
1320	2000	911	0.51	1139	0.83	1490	1.51	1773	2.22	2020	2.97	2439	4.52	2796	6.18	3113	7.97	3400	9.89				
1584	2400	990	0.71	1208	1.08	1544	1.88	1817	2.71	2055	3.55	2466	5.34	2819	7.19	3131	9.12	3414	11.13	3676	13.27	3920	15.52
1848	2800	1074	0.97	1282	1.40	1605	2.30	1869	3.25	2100	4.22	2500	6.20	2846	8.28	3155	10.42	3435	12.60	3693	14.86	3935	17.21
2112	3200	1163	1.29	1360	1.79	1673	2.80	1928	3.85	2151	4.92	2541	7.14	2879	9.41	3183	11.79	3460	14.20	3716	16.65	3955	19.16
2376	3600	1254	1.67	1441	2.25	1744	3.36	1992	4.52	2210	5.71	2588	8.16	2919	10.65	3216	13.20	3489	15.85	3742	18.53	3979	21.25
2640	4000	1348	2.14	1527	2.79	1818	4.02	2061	5.29	2272	6.58	2642	9.25	2965	11.99	3256	14.74	3523	17.55	3772	20.45	4006	23.42
2904	4400	1446	2.70	1615	3.42	1896	4.79	2132	6.15	2339	7.55	2700	10.43	3015	13.38	3301	16.39	3563	19.41	3807	22.47		
3168	4800	1547	3.36	1706	4.15	1976	5.65	2206	7.12	2409	8.62	2762	11.72	3071	14.89	3350	18.12	3608	21.39	3848	24.66		
3432	5200	1650	4.14	1798	4.97	2059	6.62	2282	8.21	2481	9.81	2827	13.12	3131	16.51	3404	19.95	3656	23.43	3893	26.97		
3696	5600	1755	5.05	1892	5.90	2144	7.71	2361	9.43	2556	11.15	2896	14.65	3193	18.25	3462	21.90	3709	25.60	3941	29.35		
3960	6000	1861	6.08	1989	6.97	2232	8.93	2442	10.77	2632	12.61	2966	16.29	3258	20.11	3522	23.97	3766	27.89	3993	31.85		
4224	6400	1969	7.26	2088	8.17	2321	10.27	2525	12.25	2710	14.21	3039	18.12	3326	22.12	3585	26.19	3825	30.31				
4488	6800	2078	8.60	2189	9.53	2412	11.75	2610	13.87	2791	15.96	3112	20.08	3396	24.28	3651	28.56	3887	32.90				
4752	7200	2187	10.09	2292	11.06	2503	13.34	2697	15.65	2873	17.86	3188	22.23	3467	26.60	3719	31.09	3950	35.61				

MAXIMUM RPM: CLASS 22 = 3495 CLASS 32 = 4016

Performance certified is for installation type B & D: Free or ducted inlet, ducted outlet.
Power ratings (BHP) do not include transmission losses.
Performance ratings do not include the effects of appurtenances (accessories).

Underlined figures indicate maximum static efficiency.
Regular face to left of Class 32 = Class 22
Regular face in light shaded area = Class 32

913

Wheel Diameter: 22.625"
Tip Speed (FPM): 5.92 x RPM

Inlet Area: 0.87 ft²
Inlet Diameter: 13" O.D.

Outlet Area: 0.93 ft²
Outlet Dimension: 10⅞" x 12³⁄₁₆"

RBO 913

Fan Efficiency Grade = FEG67

CFM	OV	1" SP		2" SP		4" SP		6" SP		8" SP		12" SP		16" SP		20" SP		24" SP		28" SP		32" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
1116	1200	632	0.31	852	0.60	1181	1.25	1439	1.98														
1488	1600	674	0.46	884	0.83	1198	1.61	1450	2.47	1666	3.38	2029	5.36										
1860	2000	726	0.65	923	1.09	1227	2.03	1469	3.02	1679	4.06	2038	6.28	2343	8.68	2612	11.26						
2232	2400	784	0.89	970	1.42	1262	2.51	1497	3.64	1700	4.81	2052	7.32	2353	9.95	2620	12.73	2862	15.66	3084	18.74		
2604	2800	847	1.19	1022	1.80	1301	3.04	1531	4.33	1730	5.66	2071	8.42	2367	11.34	2631	14.36	2871	17.52	3092	20.79	3298	24.20
2976	3200	914	1.57	1079	2.26	1346	3.66	1569	5.10	1764	6.59	2097	9.61	2386	12.80	2646	16.12	2883	19.52	3102	23.03	3306	26.64
3348	3600	984	2.04	1139	2.80	1396	4.37	1610	5.95	1801	7.59	2129	10.94	2411	14.37	2665	17.95	2898	21.64	3115	25.42	3317	29.27
3720	4000	1057	2.60	1203	3.43	1449	5.16	1657	6.92	1841	8.69	2164	12.36	2441	16.07	2689	19.88	2918	23.84	3131	27.90	3331	32.04
4092	4400	1131	3.27	1271	4.19	1505	6.06	1707	7.98	1885	9.90	2200	13.85	2475	17.91	2719	22.00	2943	26.19	3151	30.47	3348	34.90
4464	4800	1208	4.06	1340	5.05	1564	7.07	1759	9.15	1933	11.24	2240	15.48	2510	19.84	2752	24.25	2972	28.70	3177	33.24	3369	37.85
4836	5200	1286	4.97	1410	6.03	1626	8.22	1814	10.45	1984	12.71	2283	17.24	2548	21.90	2787	26.63	3005	31.39	3207	36.20	*3396*	*41.06*
5208	5600	1366	6.04	1483	7.17	1690	9.50	1872	11.89	2037	14.31	2329	19.15	2588	24.09	2823	29.10	3039	34.18	3239	39.30	*3426*	*44.45*
5580	6000	1448	7.27	1556	8.44	1756	10.93	1932	13.47	2092	16.04	2378	21.22	2630	26.41	2861	31.72	3075	37.12	3273	42.55	*3458*	*47.99*
5952	6400	1530	8.65	1632	9.89	1824	12.52	1994	15.22	2149	17.92	2429	23.44	2676	28.93	2902	34.51	3112	40.19	3308	45.92	*3492*	*51.69*
6324	6800	1613	10.21	1709	11.51	1894	14.30	2058	17.13	2208	19.97	2481	25.80	2724	31.63	2945	37.47	3151	43.41	3344	49.42	*3526*	*55.48*
6696	7200	1696	11.94	1787	13.31	1964	16.23	2123	19.20	2270	22.24	2536	28.36	2774	34.50	2991	40.64	3193	46.85	*3383*	*53.14*	*3563*	*59.51*

CFM	OV	33" SP		34" SP		35" SP		36" SP		37" SP		38" SP		40" SP		42" SP		44" SP		46" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
2790	3000	3351	26.29	*3399*	*27.18*	*3447*	*28.09*	*3494*	*29.01*	*3540*	*29.92*	*3586*	*30.86*	*3676*	*32.75*	*3764*	*34.67*	*3849*	*36.60*		
3348	3600	3366	30.25	*3414*	*31.24*	*3461*	*32.22*	*3507*	*33.20*	*3553*	*34.20*	*3599*	*35.23*	*3688*	*37.26*	*3774*	*39.29*	*3859*	*41.38*	*3942*	*43.48*
3906	4200	*3387*	*34.54*	*3434*	*35.62*	*3481*	*36.72*	*3527*	*37.81*	*3572*	*38.89*	*3617*	*40.00*	*3704*	*42.18*	*3790*	*44.42*	*3874*	*46.68*	*3956*	*48.95*
4464	4800	*3416*	*39.04*	*3462*	*40.23*	*3508*	*41.44*	*3553*	*42.64*	*3597*	*43.82*	*3641*	*45.03*	*3727*	*47.44*	*3812*	*49.90*	*3894*	*52.32*	*3975*	*54.79*
5022	5400	*3456*	*43.99*	*3500*	*45.23*	*3544*	*46.49*	*3588*	*47.78*	*3631*	*49.06*	*3674*	*50.36*	*3758*	*52.95*	*3840*	*55.56*	*3921*	*58.23*	*4000*	*60.89*
5580	6000	*3503*	*49.37*	*3547*	*50.74*	*3590*	*52.09*	*3633*	*53.48*	*3675*	*54.84*	*3716*	*56.19*	*3798*	*58.95*	*3878*	*61.73*	*3957*	*64.55*		
6138	6600	*3553*	*55.05*	*3597*	*56.56*	*3639*	*58.01*	*3682*	*59.53*	*3723*	*60.99*	*3764*	*62.47*	*3845*	*65.46*	*3924*	*68.45*	*4000*	*71.38*		
6696	7200	*3606*	*61.08*	*3649*	*62.68*	*3691*	*64.27*	*3733*	*65.88*	*3774*	*67.47*	*3815*	*69.09*	*3895*	*72.31*	*3973*	*75.52*				

MAXIMUM RPM: CLASS 22 = 2822 CLASS 32 = 3378 CLASS 45 = 4000

RBA 913

Fan Efficiency Grade = FEG80

CFM	OV	1" SP		2" SP		4" SP		6" SP		8" SP		12" SP		16" SP		20" SP		24" SP		28" SP		32" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
1116	1200	622	0.27	840	0.53																		
1488	1600	668	0.38	870	0.71	1184	1.43	1440	2.24														
1860	2000	721	0.53	912	0.92	1207	1.75	1450	2.66	1664	3.65												
2232	2400	778	0.70	961	1.17	1242	2.13	1473	3.14	1677	4.23	2034	6.59										
2604	2800	839	0.92	1015	1.47	1285	2.56	1507	3.70	1701	4.88	2044	7.43	2346	10.20								
2976	3200	903	1.18	1071	1.80	1333	3.04	1547	4.31	1735	5.62	2064	8.35	2356	11.32	2620	14.46	2862	17.74				
3348	3600	971	1.51	1130	2.18	1384	3.59	1592	4.99	1774	6.42	2093	9.39	2374	12.52	2630	15.84	2868	19.35	3088	22.95	3295	26.70
3720	4000	1039	1.89	1191	2.63	1439	4.20	1640	5.73	1818	7.30	2128	10.51	2401	13.87	2648	17.34	2879	21.02	3095	24.83	3299	28.79
4092	4400	1110	2.36	1256	3.16	1495	4.86	1692	6.56	1865	8.25	2167	11.72	2433	15.30	2674	19.00	2897	22.82	3108	26.82	3307	30.95
4464	4800	1181	2.90	1322	3.76	1552	5.58	1746	7.45	1915	9.29	2210	13.01	2470	16.85	2705	20.77	2922	24.78	3126	28.92	3321	33.24
4836	5200	1254	3.52	1389	4.44	1612	6.38	1802	8.43	1967	10.41	2256	14.40	2510	18.48	2740	22.64	2953	26.89	3152	31.23	*3340*	*35.65*
5208	5600	1328	4.24	1458	5.23	1673	7.28	1858	9.46	2022	11.64	2304	15.88	2553	20.22	2778	24.61	2987	29.11	3182	33.66	*3366*	*38.29*
5580	6000	1403	5.06	1528	6.11	1736	8.28	1916	10.57	2077	12.93	2355	17.48	2599	22.07	2820	26.72	3024	31.43	3216	36.24	*3397*	*41.10*
5952	6400	1479	5.99	1598	7.10	1801	9.39	1975	11.78	2133	14.29	2407	19.17	2647	24.03	2864	28.93	3064	33.88	3252	38.90	*3430*	*44.00*
6324	6800	1555	7.02	1670	8.20	1867	10.62	2036	13.12	2190	15.73	2461	20.98	2696	26.09	2910	31.26	3107	36.46	3291	41.71	*3466*	*47.05*
6696	7200	1632	8.18	1742	9.42	1934	11.96	2099	14.59	2249	17.31	2516	22.89	2748	28.31	2957	33.69	3152	39.18	3333	44.66	*3504*	*50.20*

CFM	OV	33" SP		34" SP		35" SP		36" SP		37" SP		38" SP		40" SP		42" SP		44" SP		46" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
3906	4200	3351	30.88	*3399*	*31.92*	*3446*	*32.95*	*3493*	*34.00*	*3539*	*35.05*	*3585*	*36.12*	*3675*	*38.27*	*3762*	*40.42*				
4464	4800	3368	34.33	*3414*	*35.42*	*3461*	*36.56*	*3506*	*37.66*	*3551*	*38.79*	*3596*	*39.94*	*3683*	*42.20*	*3769*	*44.52*	*3853*	*46.86*	*3935*	*49.20*
5022	5400	*3398*	*38.12*	*3442*	*39.25*	*3487*	*40.45*	*3530*	*41.59*	*3574*	*42.80*	*3617*	*44.00*	*3702*	*46.42*	*3785*	*48.85*	*3867*	*51.34*	*3947*	*53.82*
5580	6000	*3440*	*42.30*	*3484*	*43.56*	*3526*	*44.77*	*3568*	*46.00*	*3610*	*47.25*	*3651*	*48.49*	*3733*	*51.03*	*3813*	*53.57*	*3892*	*56.16*	*3969*	*58.75*
6138	6600	*3491*	*46.85*	*3533*	*48.16*	*3574*	*49.45*	*3616*	*50.81*	*3656*	*52.10*	*3696*	*53.42*	*3775*	*56.08*	*3853*	*58.79*	*3929*	*61.48*		
6696	7200	*3546*	*51.61*	*3587*	*53.01*	*3627*	*54.39*	*3668*	*55.83*	*3708*	*57.26*	*3747*	*58.66*	*3824*	*61.48*	*3900*	*64.34*	*3974*	*67.19*		

MAXIMUM RPM: CLASS 22 = 2812 CLASS 32 = 3337 CLASS 45 = 4000

Performance certified is for installation type B & D: Free or ducted inlet, ducted outlet.
Power ratings (BHP) do not include transmission losses.
Performance ratings do not include the effects of appurtenances (accessories).

Underlined figures indicate maximum static efficiency.
Regular face to left of Class 32 = Class 22
Regular face in light shaded area = Class 32
Italic face to right of Class 32 = Class 45

RBW 913

Fan Efficiency Grade = FEG67

CFM	OV	1" SP		2" SP		4" SP		6" SP		8" SP		12" SP		16" SP		20" SP		24" SP		28" SP		32" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
1116	1200	646	0.31	870	0.60	1194	1.23	1447	1.93														
1488	1600	692	0.46	904	0.81	1222	1.59	1470	2.42	1681	3.30	2038	5.25										
1860	2000	744	0.65	946	1.08	1253	2.00	1498	2.98	1707	4.00	2058	6.15	2357	8.49	2622	11.02						
2232	2400	800	0.89	995	1.40	1290	2.46	1529	3.58	1735	4.75	2084	7.20	2379	9.76	2640	12.46	2877	15.32	3096	18.34		
2604	2800	859	1.20	1048	1.79	1334	3.01	1565	4.26	1767	5.57	2112	8.31	2405	11.16	2664	14.11	2898	17.16	3114	20.35	3316	23.67
2976	3200	921	1.59	1103	2.26	1381	3.63	1606	5.03	1803	6.47	2142	9.48	2433	12.64	2690	15.88	2922	19.18	3136	22.58	3336	26.10
3348	3600	987	2.07	1161	2.82	1432	4.34	1652	5.90	1843	7.48	2175	10.75	2462	14.17	2717	17.72	2949	21.34	3161	24.99	3359	28.74
3720	4000	1058	2.64	1220	3.47	1486	5.15	1700	6.86	1887	8.59	2211	12.13	2494	15.82	2746	19.62	2976	23.54	3188	27.53		
4092	4400	1132	3.32	1281	4.23	1541	6.08	1751	7.93	1934	9.82	2252	13.65	2529	17.60	2777	21.65	3005	25.83	3215	30.10		
4464	4800	1208	4.13	1345	5.11	1597	7.11	1804	9.12	1984	11.17	2296	15.31	2567	19.51	2812	23.84	3036	28.26	3244	32.78		
4836	5200	1285	5.06	1414	6.13	1656	8.29	1859	10.46	2036	12.65	2342	17.09	2608	21.57	2848	26.14	3070	30.85	3275	35.61		
5208	5600	1364	6.15	1484	7.26	1715	9.60	1914	11.92	2089	14.26	2390	19.02	2652	23.79	2888	28.63	3106	33.59	3309	38.63		
5580	6000	1445	7.41	1557	8.57	1775	11.06	1971	13.54	2143	16.04	2440	21.08	2698	26.18	2931	31.31	3145	36.51	3344	41.77		
5952	6400	1526	8.82	1632	10.04	1837	12.68	2030	15.33	2199	17.99	2492	23.32	2746	28.73	2975	34.14	3186	39.61				
6324	6800	1608	10.42	1708	11.69	1902	14.47	2089	17.29	2255	20.08	2545	25.72	2795	31.41	3021	37.14	3229	42.89				
6696	7200	1691	12.21	1786	13.54	1969	16.44	2148	19.41	2313	22.38	2598	28.30	2846	34.29	3069	40.35	3274	46.37				

MAXIMUM RPM: CLASS 22 = 2922 CLASS 32 = 3373

Performance certified is for installation type B & D: Free or ducted inlet, ducted outlet.
Power ratings (BHP) do not include transmission losses.
Performance ratings do not include the effects of appurtenances (accessories).

Underlined figures indicate maximum static efficiency.
Regular face to left of Class 32 = Class 22
Regular face in light shaded area = Class 32
Italic face to right of Class 32 = Class 45

TCF
TWIN CITY FAN

915

Wheel Diameter: 26.125"
Tip Speed (FPM): 6.84 x RPM

Inlet Area: 1.17 ft²
Inlet Diameter: 15" O.D.

Outlet Area: 1.24 ft²
Outlet Dimension: 12 9/16" x 14 1/16"

RBO 915

Fan Efficiency Grade = FEG67

CFM	OV	1" SP		2" SP		4" SP		6" SP		8" SP		12" SP		16" SP		20" SP		24" SP		28" SP		32" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
1488	1200	547	0.42	738	0.81	1023	1.67	1246	2.63														
1984	1600	584	0.61	766	1.10	1038	2.15	1256	3.29	1442	4.49	1757	7.14										
2480	2000	629	0.87	799	1.45	1062	2.70	1272	4.02	1454	5.42	1765	8.37	2029	11.57	2262	15.01						
2976	2400	679	1.19	840	1.89	1093	3.34	1296	4.85	1472	6.41	1777	9.75	2038	13.27	2269	16.97	2479	20.90	2671	24.99		
3472	2800	733	1.59	885	2.40	1127	4.06	1326	5.78	1498	7.54	1793	11.21	2050	15.12	2279	19.16	2486	23.34	2678	27.73	2856	32.26
3968	3200	792	2.10	934	3.01	1166	4.88	1359	6.81	1528	8.79	1816	12.82	2066	17.06	2291	21.48	2497	26.04	2686	30.69	2863	35.51
4464	3600	853	2.72	987	3.74	1209	5.82	1395	7.95	1559	10.11	1844	14.59	2088	19.16	2308	23.93	2510	28.86	2697	33.87	2873	39.04
4960	4000	915	3.46	1042	4.58	1255	6.89	1435	9.22	1594	11.58	1874	16.47	2114	21.43	2329	26.52	2527	31.79	2712	37.23	2885	42.73
5456	4400	980	4.36	1100	5.58	1304	8.09	1478	10.64	1633	13.21	1906	18.49	2144	23.90	2355	29.34	2548	34.89	2729	40.63	2900	46.55
5952	4800	1046	5.41	1160	6.73	1355	9.44	1524	12.22	1674	14.99	1940	20.65	2174	26.46	2384	32.37	2574	38.27	2751	44.30	2918	50.49
6448	5200	1114	6.64	1222	8.06	1408	10.96	1571	13.93	1718	16.94	1977	22.99	2206	29.17	2413	35.47	2603	41.88	2777	48.25	*2941*	*54.74*
6944	5600	1183	8.05	1284	9.56	1464	12.68	1621	15.84	1764	19.07	2017	25.54	2241	32.11	2445	38.81	2632	45.58	2805	52.39	*2967*	*59.26*
7440	6000	1254	9.69	1348	11.26	1521	14.58	1673	17.96	1812	21.39	2059	28.28	2278	35.23	2478	42.31	2663	49.50	2835	56.76	*2995*	*64.00*
7936	6400	1325	11.53	1413	13.18	1580	16.70	1727	20.29	1861	23.89	2103	31.23	2317	38.55	2513	46.01	2695	53.58	2865	61.23	*3024*	*68.91*
8432	6800	1397	13.61	1480	15.34	1640	19.05	1782	22.82	1913	26.67	2149	34.41	2359	42.17	2551	49.99	2729	57.89	2896	65.89	*3054*	*74.00*
8928	7200	1469	15.92	1547	17.72	1701	21.65	1839	25.62	1965	29.61	2196	37.80	2402	45.98	2590	54.17	*2765*	*62.45*	*2930*	*70.87*	*3085*	*79.29*

CFM	OV	33" SP		34" SP		35" SP		36" SP		37" SP		38" SP		40" SP		42" SP		44" SP		46" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
3720	3000	2902	35.05	*2944*	*36.25*	*2985*	*37.45*	*3026*	*38.68*	*3066*	*39.91*	*3106*	*41.16*	*3184*	*43.68*	*3259*	*46.20*	*3334*	*48.83*		
4464	3600	2915	40.34	*2956*	*41.63*	*2997*	*42.95*	*3037*	*44.26*	*3077*	*45.60*	*3116*	*46.93*	*3194*	*49.68*	*3269*	*52.41*	*3342*	*55.17*	*3414*	*57.98*
5208	4200	*2933*	*46.04*	*2974*	*47.49*	*3014*	*48.92*	*3054*	*50.39*	*3093*	*51.84*	*3132*	*53.31*	*3208*	*56.26*	*3282*	*59.22*	*3355*	*62.24*	*3426*	*65.26*
5952	4800	*2958*	*52.04*	*2998*	*53.62*	*3038*	*55.25*	*3077*	*56.85*	*3115*	*58.43*	*3153*	*60.03*	*3228*	*63.27*	*3301*	*66.51*	*3372*	*69.74*	*3442*	*73.02*
6696	5400	*2993*	*58.65*	*3031*	*60.30*	*3070*	*62.03*	*3107*	*63.69*	*3145*	*65.44*	*3182*	*67.16*	*3254*	*70.57*	*3326*	*74.12*	*3396*	*77.66*	*3464*	*81.18*
7440	6000	*3034*	*65.84*	*3071*	*67.60*	*3109*	*69.46*	*3146*	*71.28*	*3182*	*73.08*	*3218*	*74.90*	*3289*	*78.59*	*3359*	*82.34*	*3427*	*86.07*	*3493*	*89.78*
8184	6600	*3077*	*73.40*	*3115*	*75.41*	*3152*	*77.38*	*3188*	*79.32*	*3225*	*81.37*	*3260*	*83.31*	*3330*	*87.28*	*3398*	*91.24*	*3465*	*95.24*		
8928	7200	*3123*	*81.45*	*3160*	*83.57*	*3197*	*85.73*	*3233*	*87.85*	*3268*	*89.93*	*3304*	*92.13*	*3373*	*96.39*	*3440*	*100.63*				

MAXIMUM RPM: CLASS 22 = 2485 CLASS 32 = 2923 CLASS 45 = 3500

RBA 915

Fan Efficiency Grade = FEG75

CFM	OV	1" SP		2" SP		4" SP		6" SP		8" SP		12" SP		16" SP		20" SP		24" SP		28" SP		32" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
1488	1200	539	0.36	728	0.71																		
1984	1600	578	0.51	754	0.94	1025	1.90	1247	2.99														
2480	2000	624	0.70	790	1.22	1045	2.33	1256	3.55	1441	4.87												
2976	2400	674	0.94	832	1.56	1076	2.84	1276	4.19	1452	5.63	1762	8.80										
3472	2800	726	1.22	879	1.95	1113	3.41	1305	4.93	1473	6.50	1771	9.92	2032	13.61								
3968	3200	782	1.57	928	2.40	1154	4.05	1339	5.74	1503	7.50	1788	11.15	2040	15.08	2269	19.27	2479	23.67				
4464	3600	841	2.01	979	2.91	1199	4.79	1379	6.66	1536	8.55	1813	12.53	2056	16.70	2278	21.13	2484	25.80	2675	30.63	2854	35.62
4960	4000	900	2.53	1032	3.51	1246	5.59	1421	7.65	1574	9.72	1843	14.02	2079	18.48	2293	23.12	2493	28.02	2681	33.13	2857	38.38
5456	4400	961	3.14	1087	4.20	1295	6.49	1465	8.73	1615	11.00	1877	15.63	2107	20.40	2315	25.31	2509	30.43	2691	35.74	2864	41.27
5952	4800	1023	3.86	1145	5.01	1344	7.44	1512	9.94	1658	12.38	1914	17.35	2139	22.46	2343	27.70	2531	33.05	2707	38.55	2876	44.31
6448	5200	1086	4.70	1203	5.92	1396	8.51	1560	11.23	1704	13.90	1954	19.21	2173	24.62	2373	30.19	2557	35.84	2730	41.65	2893	47.56
6944	5600	1150	5.65	1263	6.98	1449	9.71	1609	12.61	1751	15.51	1996	21.20	2211	26.96	2406	32.82	2587	38.82	2756	44.89	*2915*	*51.05*
7440	6000	1215	6.75	1323	8.15	1504	11.05	1659	14.09	1799	17.24	2039	23.29	2251	29.43	2442	35.62	2619	41.91	2785	48.31	*2942*	*54.81*
7936	6400	1281	7.99	1384	9.46	1560	12.53	1711	15.72	1847	19.04	2085	25.58	2292	32.03	2480	38.56	2653	45.14	2816	51.85	*2971*	*58.70*
8432	6800	1347	9.37	1446	10.93	1617	14.16	1763	17.48	1897	20.99	2131	27.96	2335	34.80	2520	41.68	2691	48.63	2850	55.60	*3002*	*62.75*
8928	7200	1414	10.93	1509	12.57	1675	15.95	1818	19.46	1947	23.05	2179	30.52	2379	37.71	2561	44.93	2729	52.20	2886	59.52	*3035*	*66.96*

CFM	OV	33" SP		34" SP		35" SP		36" SP		37" SP		38" SP		40" SP		42" SP		44" SP		46" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
5208	4200	2902	41.17	*2944*	*42.57*	*2985*	*43.96*	*3025*	*45.33*	*3065*	*46.74*	*3105*	*48.17*	*3182*	*51.00*						
5952	4800	*2917*	*45.79*	*2957*	*47.24*	*2997*	*48.73*	*3036*	*50.20*	*3075*	*51.70*	*3114*	*53.23*	*3190*	*56.29*						
6696	5400	*2943*	*50.83*	*2981*	*52.34*	*3020*	*53.94*	*3057*	*55.46*	*3095*	*57.06*	*3132*	*58.64*	*3206*	*61.89*						
7440	6000	*2980*	*56.45*	*3017*	*58.06*	*3054*	*59.71*	*3090*	*61.33*	*3127*	*63.04*	*3162*	*64.66*	*3233*	*68.04*						
8184	6600	*3023*	*62.44*	*3060*	*64.23*	*3096*	*65.98*	*3131*	*67.71*	*3166*	*69.46*	*3201*	*71.24*								
8928	7200	*3071*	*68.82*	*3106*	*70.65*	*3141*	*72.51*	*3176*	*74.40*	*3211*	*76.33*										

MAXIMUM RPM: CLASS 22 = 2521 CLASS 32 = 2910 CLASS 45 = 3240

Performance certified is for installation type B & D: Free or ducted inlet, ducted outlet.
Power ratings (BHP) do not include transmission losses.
Performance ratings do not include the effects of appurtenances (accessories).

Underlined figures indicate maximum static efficiency.
Regular face to left of Class 32 = Class 22
Regular face in light shaded area = Class 32
Italic face to right of Class 32 = Class 45

RBW 915

Fan Efficiency Grade = FEG67

CFM	OV	1" SP		2" SP		4" SP		6" SP		8" SP		12" SP		16" SP		20" SP		24" SP		28" SP		32" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
1488	1200	559	0.41	753	0.80	1034	1.64	1253	2.58														
1984	1600	599	0.61	783	1.09	1058	2.12	1273	3.23	1456	4.41	1765	7.00										
2480	2000	645	0.86	820	1.44	1085	2.66	1298	3.98	1478	5.34	1783	8.21	2041	11.32	2270	14.68						
2976	2400	693	1.19	862	1.87	1117	3.28	1324	4.77	1503	6.34	1805	9.60	2060	13.00	2287	16.63	2492	20.44	2681	24.45		
3472	2800	744	1.61	908	2.40	1155	4.01	1355	5.67	1530	7.42	1829	11.08	2083	14.89	2307	18.81	2510	22.89	2697	27.13	2871	31.54
3968	3200	797	2.12	956	3.02	1196	4.84	1391	6.70	1561	8.62	1855	12.64	2107	16.86	2329	21.16	2531	25.59	2716	30.11	2889	34.80
4464	3600	855	2.76	1005	3.75	1241	5.80	1430	7.86	1596	9.97	1883	14.32	2132	18.90	2353	23.62	2554	28.45	2738	33.34	2909	38.31
4960	4000	916	3.51	1057	4.63	1287	6.87	1472	9.15	1634	11.45	1915	16.17	2160	21.10	2378	26.16	2578	31.42	2761	36.71		
5456	4400	980	4.43	1109	5.64	1334	8.09	1517	10.59	1675	13.10	1950	18.19	2190	23.46	2405	28.86	2602	34.43	2785	40.17		
5952	4800	1046	5.50	1165	6.81	1383	9.48	1563	12.18	1718	14.89	1988	20.40	2223	26.01	2435	31.78	2629	37.67	2809	43.69		
6448	5200	1113	6.75	1224	8.16	1434	11.05	1610	13.95	1763	16.86	2028	22.78	2259	28.77	2467	34.88	2658	41.10	2836	47.47		
6944	5600	1182	8.22	1286	9.70	1485	12.79	1658	15.90	1809	19.02	2070	25.36	2297	31.74	2501	38.17	2690	44.79	2865	51.47		
7440	6000	1251	9.87	1349	11.44	1537	14.74	1707	18.05	1856	21.38	2113	28.10	2337	34.92	2538	41.74	2723	48.65	2896	55.69		
7936	6400	1322	11.77	1413	13.38	1591	16.90	1758	20.44	1904	23.97	2158	31.08	2378	38.30	2577	45.55	2759	52.80				
8432	6800	1393	13.90	1479	15.58	1647	19.29	1809	23.04	1953	26.78	2204	34.30	2421	41.91	2617	49.57	2797	57.22				
8928	7200	1465	16.30	1546	18.03	1706	21.95	1861	25.91	2003	29.84	2250	37.74	2465	45.73	2658	53.80	2836	61.87				

MAXIMUM RPM: CLASS 22 = 2531 CLASS 32 = 2921

Performance certified is for installation type B & D: Free or ducted inlet, ducted outlet.
Power ratings (BHP) do not include transmission losses.
Performance ratings do not include the effects of appurtenances (accessories).

Underlined figures indicate maximum static efficiency.
Regular face to left of Class 32 = Class 22
Regular face in light shaded area = Class 32
Italic face to right of Class 32 = Class 45

TCF
TWIN CITY FAN

917

Wheel Diameter: 29.625"
Tip Speed (FPM): 7.76 x RPM

Inlet Area: 1.58 ft²
Inlet Diameter: 17" O.D.

Outlet Area: 1.59 ft²
Outlet Dimension: 14¼" x 16"

RBO 917

Fan Efficiency Grade = FEG67

CFM	OV	1" SP		2" SP		4" SP		6" SP		8" SP		12" SP		16" SP		20" SP		24" SP		28" SP		32" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
1908	1200	482	0.54	650	1.03	902	2.14	1099	3.38														
2544	1600	514	0.78	675	1.41	915	2.76	1107	4.21	1272	5.77	1549	9.16										
3180	2000	554	1.11	704	1.86	936	3.46	1121	5.15	1282	6.95	1557	10.76	1789	14.84	1995	19.28						
3816	2400	598	1.52	740	2.42	963	4.28	1143	6.22	1298	8.23	1567	12.52	1797	17.02	2001	21.78	2186	26.82	2355	32.07		
4452	2800	646	2.04	780	3.08	993	5.20	1169	7.41	1320	9.66	1581	14.39	1808	19.40	2009	24.56	2192	29.95	2361	35.56	2518	41.39
5088	3200	697	2.68	823	3.85	1027	6.24	1197	8.71	1346	11.24	1601	16.44	1822	21.90	2020	27.55	2201	33.37	2369	39.41	2525	45.59
5724	3600	750	3.47	869	4.78	1065	7.45	1229	10.17	1374	12.96	1625	18.68	1840	24.53	2035	30.70	2213	37.00	2378	43.44	2533	50.06
6360	4000	805	4.42	918	5.87	1106	8.83	1264	11.80	1405	14.84	1652	21.12	1864	27.49	2053	33.99	2228	40.77	2391	47.73	2544	54.82
6996	4400	862	5.56	969	7.14	1148	10.34	1302	13.61	1439	16.92	1680	23.70	1889	30.59	2076	37.61	2247	44.77	2406	52.11	2557	59.71
7632	4800	920	6.90	1021	8.59	1193	12.07	1342	15.62	1475	19.19	1710	26.47	1916	33.89	2101	41.46	2269	49.06	2425	56.78	2573	64.77
8268	5200	980	8.47	1075	10.28	1240	14.02	1384	17.83	1514	21.71	1742	29.44	1945	37.42	2127	45.47	2294	53.64	2448	61.85	*2593*	*70.21*
8904	5600	1041	10.28	1130	12.20	1289	16.21	1428	20.28	1554	24.41	1777	32.69	1975	41.13	2155	49.74	2320	58.42	2473	67.19	*2615*	*75.92*
9540	6000	1103	12.36	1186	14.37	1339	18.63	1473	22.95	1596	27.37	1814	36.20	2007	45.09	2184	54.21	2347	63.41	2499	72.75	*2640*	*82.02*
10176	6400	1165	14.69	1244	16.85	1391	21.35	1521	25.96	1639	30.56	1853	40.00	2042	49.40	2215	58.97	2375	68.63	2525	78.44	*2666*	*88.36*
10812	6800	1229	17.37	1302	19.58	1444	24.37	1569	29.18	1684	34.07	1893	44.04	2078	53.95	2248	64.03	2405	74.16	2553	84.48	*2692*	*94.85*
11448	7200	1292	20.31	1362	22.67	1497	27.64	1619	32.74	1731	37.91	1934	48.35	2116	58.84	2282	69.35	2437	80.04	*2582*	*90.77*	*2719*	*101.59*

CFM	OV	33" SP		34" SP		35" SP		36" SP		37" SP		38" SP		40" SP		42" SP		44" SP		46" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
4770	3000	2559	44.98	*2596*	*46.52*	*2632*	*48.05*	*2668*	*49.62*	*2704*	*51.24*	*2739*	*52.83*	*2807*	*56.02*	*2874*	*59.31*	*2940*	*62.68*		
5724	3600	2570	51.73	*2607*	*53.43*	*2643*	*55.12*	*2678*	*56.79*	*2713*	*58.49*	*2748*	*60.24*	*2816*	*63.72*	*2882*	*67.21*	*2947*	*70.79*	*3010*	*74.37*
6678	4200	*2586*	*59.05*	*2622*	*60.89*	*2658*	*62.78*	*2693*	*64.64*	*2728*	*66.55*	*2762*	*68.41*	*2829*	*72.19*	*2894*	*75.97*	*2958*	*79.81*	*3021*	*83.73*
7632	4800	*2608*	*66.74*	*2643*	*68.75*	*2678*	*70.81*	*2713*	*72.92*	*2747*	*74.98*	*2780*	*76.99*	*2846*	*81.14*	*2911*	*85.35*	*2974*	*89.53*	*3035*	*93.67*
8586	5400	*2638*	*75.15*	*2672*	*77.30*	*2706*	*79.49*	*2739*	*81.65*	*2772*	*83.84*	*2805*	*86.08*	*2869*	*90.51*	*2932*	*95.01*	*2994*	*99.58*	*3055*	*104.20*
9540	6000	*2674*	*84.35*	*2708*	*86.73*	*2741*	*89.07*	*2773*	*91.35*	*2805*	*93.67*	*2837*	*96.04*	*2900*	*100.81*	*2961*	*105.54*	*3021*	*110.33*	*3080*	*115.17*
10494	6600	*2712*	*94.05*	*2746*	*96.68*	*2778*	*99.14*	*2811*	*101.76*	*2842*	*104.21*	*2874*	*106.82*	*2935*	*111.83*	*2995*	*116.91*	*3054*	*122.03*		
11448	7200	*2753*	*104.41*	*2785*	*107.06*	*2818*	*109.88*	*2849*	*112.51*	*2881*	*115.31*	*2912*	*118.04*	*2973*	*123.52*	*3033*	*129.07*	*3091*	*134.54*		

MAXIMUM RPM: CLASS 22 = 2191 CLASS 32 = 2577 CLASS 45 = 3092

RBA 917

Fan Efficiency Grade = FEG80

CFM	OV	1" SP		2" SP		4" SP		6" SP		8" SP		12" SP		16" SP		20" SP		24" SP		28" SP		32" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
1908	1200	475	0.46	642	0.91																		
2544	1600	509	0.65	664	1.21	904	2.44	1100	3.84														
3180	2000	550	0.90	696	1.57	921	2.99	1107	4.55	1271	6.25												
3816	2400	593	1.19	733	1.99	948	3.64	1125	5.38	1280	7.22	1554	11.29										
4452	2800	640	1.56	774	2.50	981	4.37	1150	6.32	1299	8.35	1561	12.71	1792	17.47								
5088	3200	689	2.02	817	3.07	1017	5.20	1180	7.35	1325	9.61	1576	14.29	1799	19.36	2001	24.74	2186	30.38				
5724	3600	740	2.57	862	3.73	1056	6.12	1215	8.53	1354	10.97	1598	16.05	1812	21.39	2009	27.12	2190	33.09	2359	39.31		
6360	4000	792	3.23	909	4.49	1098	7.17	1252	9.80	1387	12.46	1625	17.99	1833	23.70	2022	29.67	2198	35.93	2364	42.51	2519	49.23
6996	4400	846	4.02	957	5.37	1140	8.29	1291	11.20	1423	14.09	1654	20.02	1858	26.19	2041	32.46	2212	39.03	2373	45.87	2525	52.92
7632	4800	900	4.93	1008	6.41	1184	9.52	1332	12.72	1461	15.86	1687	22.24	1885	28.78	2065	35.50	2231	42.37	2387	49.46	2535	56.79
8268	5200	956	6.00	1059	7.57	1229	10.88	1374	14.37	1501	17.79	1722	24.62	1915	31.55	2092	38.72	2254	45.95	2406	53.36	2550	60.96
8904	5600	1012	7.22	1112	8.92	1276	12.42	1417	16.13	1542	19.85	1758	27.12	1948	34.52	2120	42.04	2280	49.74	2429	57.53	*2570*	*65.48*
9540	6000	1069	8.61	1165	10.42	1324	14.13	1461	18.03	1584	22.05	1797	29.86	1983	37.68	2152	45.64	2308	53.70	2455	61.94	*2593*	*70.24*
10176	6400	1127	10.20	1218	12.09	1373	16.01	1507	20.13	1627	24.39	1837	32.77	2020	41.06	2186	49.45	2339	57.92	2482	66.47	*2619*	*75.27*
10812	6800	1185	11.96	1273	13.98	1424	18.12	1553	22.39	1671	26.88	1878	35.85	2057	44.56	2221	53.43	2371	62.28	2512	71.28	*2646*	*80.44*
11448	7200	1244	13.95	1328	16.06	1475	20.41	1600	24.85	1715	29.51	1919	39.05	2096	48.30	2257	57.59	2405	66.90	2544	76.33	*2675*	*85.80*

CFM	OV	33" SP		34" SP		35" SP		36" SP		37" SP		38" SP		40" SP		42" SP		44" SP		46" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
6678	4200	2559	52.83	*2596*	*54.62*	*2632*	*56.39*	*2668*	*58.21*	*2703*	*59.99*	*2738*	*61.82*	*2806*	*65.45*	*2873*	*69.16*				
7632	4800	*2572*	*58.74*	*2607*	*60.59*	*2643*	*62.55*	*2677*	*64.41*	*2712*	*66.38*	*2746*	*68.32*	*2813*	*72.23*	*2878*	*76.15*	*2942*	*80.13*	*3005*	*84.18*
8586	5400	*2594*	*65.15*	*2628*	*67.12*	*2662*	*69.13*	*2696*	*71.19*	*2729*	*73.21*	*2762*	*75.26*	*2827*	*79.41*	*2890*	*83.54*	*2953*	*87.82*	*3014*	*92.07*
9540	6000	*2627*	*72.38*	*2659*	*74.40*	*2692*	*76.54*	*2724*	*78.64*	*2756*	*80.77*	*2788*	*82.95*	*2850*	*87.24*	*2911*	*91.58*	*2971*	*95.98*	*3031*	*100.52*
10494	6600	*2665*	*80.09*	*2697*	*82.32*	*2729*	*84.59*	*2760*	*86.81*	*2791*	*89.07*	*2822*	*91.37*	*2882*	*95.88*	*2941*	*100.45*	*2999*	*105.05*	*3056*	*109.69*
11448	7200	*2706*	*88.14*	*2738*	*90.60*	*2769*	*93.00*	*2800*	*95.44*	*2830*	*97.82*	*2860*	*100.24*	*2919*	*105.08*	*2977*	*109.97*	*3034*	*114.89*	*3089*	*119.72*

MAXIMUM RPM: CLASS 22 = 2147 CLASS 32 = 2566 CLASS 45 = 3092

Performance certified is for installation type B & D: Free or ducted inlet, ducted outlet.
Power ratings (BHP) do not include transmission losses.
Performance ratings do not include the effects of appurtenances (accessories).

Underlined figures indicate maximum static efficiency.
Regular face to left of Class 32 = Class 22
Regular face in light shaded area = Class 32
Italic face to right of Class 32 = Class 45

RBW 917

Fan Efficiency Grade = FEG67

CFM	OV	1" SP		2" SP		4" SP		6" SP		8" SP		12" SP		16" SP		20" SP		24" SP		28" SP		32" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
1908	1200	493	0.53	664	1.02	912	2.10	1105	3.31														
2544	1600	528	0.78	690	1.39	933	2.72	1123	4.15	1284	5.66	1556	8.97										
3180	2000	568	1.10	722	1.84	957	3.41	1144	5.10	1303	6.84	1572	10.54	1800	14.53	2002	18.86						
3816	2400	610	1.52	759	2.40	985	4.21	1167	6.11	1325	8.13	1591	12.31	1817	16.70	2016	21.32	2197	26.22	2364	31.38		
4452	2800	655	2.05	800	3.07	1018	5.14	1195	7.28	1349	9.52	1613	14.23	1836	19.08	2034	24.13	2213	29.36	2378	34.82	2532	40.50
5088	3200	702	2.71	842	3.87	1054	6.20	1226	8.59	1376	11.05	1635	16.20	1857	21.60	2054	27.16	2231	32.79	2395	38.64	2547	44.63
5724	3600	753	3.53	886	4.82	1093	7.41	1261	10.08	1407	12.78	1660	18.36	1880	24.25	2075	30.32	2251	36.46	2414	42.76	2565	49.16
6360	4000	806	4.49	931	5.93	1134	8.80	1297	11.71	1440	14.67	1688	20.73	1904	27.05	2097	33.57	2272	40.25	2434	47.07		
6996	4400	862	5.64	977	7.21	1175	10.35	1336	13.54	1476	16.78	1719	23.32	1930	30.05	2120	37.00	2294	44.15	2455	51.49		
7632	4800	920	7.02	1026	8.71	1219	12.15	1377	15.59	1514	19.08	1752	26.13	1959	33.31	2146	40.71	2318	48.32	2477	56.06		
8268	5200	979	8.61	1078	10.44	1263	14.13	1418	17.84	1553	21.57	1787	29.18	1991	36.87	2174	44.67	2343	52.68	2500	60.85		
8904	5600	1040	10.49	1132	12.40	1308	16.36	1460	20.33	1594	24.35	1824	32.48	2024	40.64	2205	48.96	2371	57.40	2526	66.01		
9540	6000	1101	12.61	1187	14.60	1354	18.86	1504	23.11	1635	27.37	1862	36.00	2059	44.71	2237	53.49	2400	62.34	2553	71.40		
10176	6400	1163	15.02	1244	17.10	1401	21.61	1548	26.13	1677	30.66	1901	39.77	2095	49.02	2271	58.34	2432	67.68				
10812	6800	1225	17.72	1302	19.91	1450	24.65	1593	29.46	1720	34.25	1942	43.92	2133	53.65	2306	63.48	2465	73.31				
11448	7200	1288	20.76	1361	23.05	1501	28.00	1638	33.07	1764	38.15	1982	48.28	2172	58.57	2342	68.89	2499	79.23				

MAXIMUM RPM: CLASS 22 = 2232 CLASS 32 = 2576

Performance certified is for installation type B & D: Free or ducted inlet, ducted outlet.
Power ratings (BHP) do not include transmission losses.
Performance ratings do not include the effects of appurtenances (accessories).

Underlined figures indicate maximum static efficiency.
Regular face to left of Class 32 = Class 22
Regular face in light shaded area = Class 32
Italic face to right of Class 32 = Class 45

TCF
TWIN CITY FAN

919

Wheel Diameter: 33"
Tip Speed (FPM): 8.64 x RPM

Inlet Area: 1.97 ft²
Inlet Diameter: 19" O.D.

Outlet Area: 1.97 ft²
Outlet Dimension: 15⅞" x 17¹³⁄₁₆"

RBO 919

Fan Efficiency Grade = FEG67

CFM	OV	1" SP		2" SP		4" SP		6" SP		8" SP		12" SP		16" SP		20" SP		24" SP		28" SP		32" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
2364	1200	433	0.67	584	1.28	810	2.66	986	4.19														
3152	1600	462	0.97	606	1.75	821	3.41	994	5.23	1142	7.16	1391	11.37										
3940	2000	497	1.37	632	2.31	841	4.30	1007	6.40	1151	8.61	1397	13.31	1606	18.40	1791	23.90						
4728	2400	536	1.87	664	2.99	864	5.29	1026	7.71	1165	10.19	1406	15.49	1613	21.09	1796	26.99	1962	33.23	2115	39.81		
5516	2800	579	2.51	700	3.81	891	6.43	1049	9.17	1185	11.97	1419	17.82	1623	24.05	1804	30.47	1968	37.13	2120	44.11	2261	51.34
6304	3200	625	3.31	738	4.76	922	7.74	1075	10.81	1208	13.92	1437	20.36	1635	27.11	1814	34.18	1976	41.37	2126	48.79	2266	56.46
7092	3600	673	4.29	779	5.90	956	9.24	1103	12.60	1233	16.04	1459	23.17	1652	30.42	1826	38.00	1987	45.89	2135	53.86	2274	62.06
7880	4000	722	5.47	823	7.25	992	10.91	1134	14.60	1261	18.39	1482	26.12	1673	34.06	1843	42.13	2000	50.52	2146	59.13	2283	67.87
8668	4400	773	6.88	869	8.83	1030	12.80	1168	16.84	1291	20.94	1507	29.31	1696	37.94	1863	46.57	2017	55.48	2160	64.59	2295	73.97
9456	4800	825	8.53	916	10.64	1070	14.93	1204	19.33	1324	23.78	1534	32.74	1720	42.01	1886	51.38	2037	60.81	2177	70.38	2309	80.19
10244	5200	879	10.48	964	12.71	1112	17.33	1242	22.09	1358	26.84	1563	36.43	1745	46.30	1909	56.32	2059	66.46	2197	76.60	*2327*	*86.93*
11032	5600	934	12.73	1014	15.12	1156	20.04	1281	25.10	1394	30.20	1595	40.50	1772	50.90	1934	61.59	2082	72.34	2219	83.16	*2347*	*94.04*
11820	6000	989	15.27	1064	17.79	1201	23.04	1322	28.44	1432	33.89	1628	44.84	1801	55.83	1960	67.13	2106	78.50	2242	90.00	*2370*	*101.67*
12608	6400	1045	18.18	1115	20.80	1248	26.44	1364	32.09	1471	37.87	1663	49.54	1832	61.13	1988	73.05	2132	85.06	2266	97.14	*2392*	*109.34*
13396	6800	1102	21.47	1168	24.23	1295	30.13	1408	36.15	1511	42.18	1698	54.47	1865	66.84	2017	79.25	2158	91.80	2291	104.60	*2416*	*117.47*
14184	7200	1159	25.14	1221	28.00	1343	34.21	1452	40.49	1553	46.93	1735	59.82	1899	72.89	2048	85.90	2187	99.11	*2317*	*112.38*	*2441*	*125.95*

CFM	OV	33" SP		34" SP		35" SP		36" SP		37" SP		38" SP		40" SP		42" SP		44" SP		46" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
5910	3000	2297	55.74	*2330*	*57.63*	*2363*	*59.58*	*2395*	*61.51*	*2427*	*63.48*	*2459*	*65.51*	*2520*	*69.46*	*2580*	*73.52*	*2639*	*77.68*		
7092	3600	2307	64.10	*2340*	*66.20*	*2372*	*68.26*	*2404*	*70.38*	*2436*	*72.54*	*2467*	*74.67*	*2528*	*78.98*	*2587*	*83.29*	*2645*	*87.69*	*2702*	*92.18*
8274	4200	*2322*	*73.23*	*2354*	*75.49*	*2386*	*77.80*	*2417*	*80.07*	*2448*	*82.38*	*2479*	*84.74*	*2539*	*89.41*	*2598*	*94.16*	*2655*	*98.87*	*2712*	*103.77*
9456	4800	*2341*	*82.69*	*2373*	*85.25*	*2404*	*87.76*	*2435*	*90.32*	*2466*	*92.93*	*2496*	*95.47*	*2555*	*100.58*	*2613*	*105.75*	*2669*	*110.86*	*2725*	*116.15*
10638	5400	*2368*	*93.13*	*2399*	*95.85*	*2429*	*98.50*	*2459*	*101.22*	*2489*	*103.99*	*2518*	*106.68*	*2575*	*112.11*	*2632*	*117.75*	*2687*	*123.32*	*2742*	*129.07*
11820	6000	*2400*	*104.49*	*2430*	*107.37*	*2460*	*110.31*	*2489*	*113.17*	*2518*	*116.09*	*2547*	*119.07*	*2603*	*124.90*	*2658*	*130.80*	*2711*	*136.60*	*2764*	*142.61*
13002	6600	*2434*	*116.49*	*2464*	*119.67*	*2494*	*122.91*	*2523*	*126.06*	*2551*	*129.12*	*2579*	*132.24*	*2635*	*138.65*	*2688*	*144.80*	*2741*	*151.15*		
14184	7200	*2470*	*129.21*	*2500*	*132.68*	*2529*	*136.07*	*2557*	*139.36*	*2586*	*142.87*	*2614*	*146.29*	*2668*	*152.95*	*2722*	*159.85*	*2774*	*166.61*		

MAXIMUM RPM: CLASS 22 = 1951 CLASS 32 = 2315 CLASS 45 = 2777

RBA 919

Fan Efficiency Grade = FEG75

CFM	OV	1" SP		2" SP		4" SP		6" SP		8" SP		12" SP		16" SP		20" SP		24" SP		28" SP		32" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
2364	1200	426	0.56	576	1.12																		
3152	1600	457	0.81	596	1.49	811	3.02	987	4.75														
3940	2000	493	1.11	625	1.95	827	3.71	994	5.64	1141	7.75												
4728	2400	532	1.48	658	2.47	851	4.51	1009	6.65	1149	8.95	1395	14.00										
5516	2800	574	1.93	695	3.10	880	5.41	1032	7.82	1166	10.34	1401	15.74	1608	21.63								
6304	3200	618	2.49	733	3.80	913	6.44	1059	9.11	1189	11.91	1415	17.72	1615	23.99	1796	30.65	1962	37.63				
7092	3600	664	3.18	773	4.61	948	7.59	1090	10.55	1215	13.58	1434	19.88	1627	26.53	1803	33.59	1966	41.01	2117	48.68		
7880	4000	711	4.00	815	5.55	985	8.87	1123	12.12	1245	15.44	1458	22.27	1645	29.36	1815	36.76	1973	44.53	2122	52.68	2262	61.08
8668	4400	758	4.96	859	6.66	1023	10.27	1158	13.85	1277	17.45	1484	24.78	1667	32.41	1832	40.22	1985	48.32	2130	56.83	2267	65.62
9456	4800	807	6.09	904	7.93	1062	11.78	1195	15.75	1311	19.64	1514	27.56	1692	35.67	1854	44.02	2002	52.46	2143	61.33	2276	70.43
10244	5200	857	7.42	950	9.37	1103	13.49	1233	17.80	1347	22.04	1545	30.47	1719	39.10	1877	47.93	2023	56.93	2160	66.15	2289	75.55
11032	5600	907	8.91	997	11.02	1144	15.35	1272	20.00	1384	24.60	1578	33.62	1749	42.81	1903	52.10	2047	61.68	2180	71.26	*2307*	*81.15*
11820	6000	959	10.66	1044	12.86	1188	17.50	1311	22.33	1421	27.29	1612	36.95	1780	46.70	1931	56.50	2072	66.58	2204	76.80	*2327*	*86.98*
12608	6400	1010	12.59	1092	14.93	1232	19.83	1351	24.86	1460	30.21	1648	40.55	1812	50.79	1961	61.18	2099	71.73	2228	82.39	*2350*	*93.18*
13396	6800	1062	14.76	1141	17.26	1277	22.40	1393	27.70	1499	33.27	1685	44.38	1846	55.19	1993	66.16	2128	77.17	2254	88.24	*2374*	*99.55*
14184	7200	1115	17.22	1191	19.86	1323	25.25	1436	30.80	1539	36.56	1722	48.37	1881	59.83	2025	71.29	2158	82.83	2283	94.54	*2400*	*106.22*

CFM	OV	33" SP		34" SP		35" SP		36" SP		37" SP		38" SP		40" SP		42" SP		44" SP		46" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
8274	4200	2297	65.47	*2330*	*67.67*	*2363*	*69.92*	*2395*	*72.14*	*2427*	*74.40*	*2458*	*76.63*	*2519*	*81.13*	*2579*	*85.71*				
9456	4800	*2308*	*72.72*	*2340*	*75.07*	*2372*	*77.46*	*2403*	*79.82*	*2434*	*82.22*	*2465*	*84.66*	*2525*	*89.51*	*2584*	*94.43*	*2641*	*99.32*	*2698*	*104.39*
10638	5400	*2329*	*80.79*	*2359*	*83.18*	*2390*	*85.73*	*2420*	*88.22*	*2449*	*90.65*	*2479*	*93.24*	*2537*	*98.34*	*2595*	*103.63*	*2651*	*108.86*	*2706*	*114.16*
11820	6000	*2357*	*89.58*	*2387*	*92.22*	*2416*	*94.80*	*2445*	*97.43*	*2474*	*100.12*	*2502*	*102.72*	*2558*	*108.08*	*2613*	*113.49*	*2667*	*118.96*	*2720*	*124.47*
13002	6600	*2392*	*99.23*	*2420*	*101.90*	*2449*	*104.75*	*2477*	*107.53*	*2505*	*110.35*	*2533*	*113.22*	*2587*	*118.83*	*2640*	*124.49*	*2692*	*130.18*	*2743*	*135.91*
14184	7200	*2429*	*109.25*	*2457*	*112.19*	*2485*	*115.19*	*2513*	*118.23*	*2540*	*121.19*	*2567*	*124.20*	*2620*	*130.20*	*2672*	*136.24*	*2723*	*142.32*	*2773*	*148.41*

MAXIMUM RPM: CLASS 22 = 1928 CLASS 32 = 2304 CLASS 45 = 2777

Performance certified is for installation type B & D: Free or ducted inlet, ducted outlet.
Power ratings (BHP) do not include transmission losses.
Performance ratings do not include the effects of appurtenances (accessories).

Underlined figures indicate maximum static efficiency.
Regular face to left of Class 32 = Class 22
Regular face in light shaded area = Class 32
Italic face to right of Class 32 = Class 45

RBW 919

Fan Efficiency Grade = FEG67

CFM	OV	1" SP		2" SP		4" SP		6" SP		8" SP		12" SP		16" SP		20" SP		24" SP		28" SP		32" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
2364	1200	443	0.66	596	1.26	819	2.61	992	4.10														
3152	1600	474	0.96	619	1.72	837	3.37	1008	5.14	1152	7.00	1397	11.13										
3940	2000	509	1.36	648	2.28	859	4.23	1027	6.32	1170	8.49	1411	13.06	1616	18.02	1797	23.38						
4728	2400	548	1.89	681	2.97	884	5.21	1048	7.59	1189	10.07	1428	15.25	1631	20.70	1810	26.44	1972	32.49	2122	38.90		
5516	2800	588	2.54	717	3.78	914	6.37	1072	9.01	1211	11.80	1447	17.60	1648	23.64	1826	29.91	1986	36.36	2135	43.17	2273	50.21
6304	3200	630	3.36	755	4.78	946	7.68	1100	10.63	1235	13.69	1468	20.09	1667	26.77	1843	33.61	2003	40.66	2150	47.90	2286	55.29
7092	3600	675	4.35	794	5.94	981	9.18	1131	12.47	1262	15.80	1490	22.75	1687	30.02	1862	37.53	2021	45.21	2167	53.00	2302	60.88
7880	4000	723	5.55	835	7.33	1017	10.88	1164	14.51	1293	18.20	1515	25.68	1709	33.51	1882	41.58	2040	49.92	2185	58.34		
8668	4400	773	6.98	876	8.91	1055	12.84	1199	16.77	1325	20.80	1543	28.90	1732	37.21	1903	45.85	2059	54.70	2204	63.84		
9456	4800	825	8.67	920	10.77	1093	15.01	1235	19.27	1358	23.59	1572	32.34	1758	41.25	1926	50.42	2080	59.81	2223	69.43		
10244	5200	878	10.65	967	12.91	1133	17.48	1272	22.06	1394	26.74	1604	36.15	1787	45.67	1951	55.31	2103	65.27	2244	75.40		
11032	5600	932	12.94	1015	15.32	1173	20.22	1310	25.16	1430	30.13	1636	40.16	1816	50.30	1978	60.55	2128	71.10	2267	81.75		
11820	6000	987	15.57	1065	18.07	1214	23.30	1349	28.58	1467	33.87	1671	44.59	1848	55.38	2007	66.18	2154	77.21	2291	88.41		
12608	6400	1042	18.53	1115	21.11	1256	26.69	1389	32.35	1505	37.97	1706	49.26	1880	60.70	2038	72.25	2182	83.75				
13396	6800	1099	21.94	1167	24.58	1301	30.52	1429	36.44	1543	42.37	1742	54.32	1914	66.42	2069	78.56	2212	90.77				
14184	7200	1155	25.67	1220	28.47	1347	34.68	1470	40.96	1583	47.25	1779	59.83	1949	72.51	2101	85.23	2243	98.17				

MAXIMUM RPM: CLASS 22 = 2004 CLASS 32 = 2313

Performance certified is for installation type B & D: Free or ducted inlet, ducted outlet.
Power ratings (BHP) do not include transmission losses.
Performance ratings do not include the effects of appurtenances (accessories).

Underlined figures indicate maximum static efficiency.
Regular face to left of Class 32 = Class 22
Regular face in light shaded area = Class 32
Italic face to right of Class 32 = Class 45

TCF
TWIN CITY FAN

921

Wheel Diameter: 36.5"
Tip Speed (FPM): 9.56 x RPM

Inlet Area: 2.40 ft²
Inlet Diameter: 21" O.D.

Outlet Area: 2.41 ft²
Outlet Dimension: 17 9/16" x 19 3/4"

RBO 921

Fan Efficiency Grade = FEG71

CFM	OV	1" SP		2" SP		4" SP		6" SP		8" SP		12" SP		16" SP		20" SP		24" SP		28" SP		32" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
2892	1200	383	0.76	520	1.46	727	2.99	887	4.60														
3856	1600	410	1.12	535	1.98	733	3.89	891	5.92	1025	7.98	1251	12.37										
4820	2000	444	1.62	560	2.65	744	4.86	898	7.28	1030	9.79	1254	14.89	1444	20.24								
5784	2400	481	2.26	590	3.47	764	6.03	909	8.73	1038	11.61	1259	17.60	1447	23.67	1613	29.91	1763	36.38	1902	43.20		
6748	2800	521	3.07	624	4.47	790	7.41	927	10.40	1049	13.53	1266	20.30	1452	27.28	1617	34.31	1766	41.43	1903	48.72	2031	56.25
7712	3200	564	4.09	661	5.70	819	8.97	951	12.35	1068	15.80	1276	23.11	1459	30.87	1623	38.87	1770	46.74	1906	54.72	2033	62.86
8676	3600	611	5.40	700	7.15	851	10.78	978	14.51	1091	18.33	1290	26.17	1468	34.54	1630	43.34	1776	52.16	1911	61.00	2037	69.89
9640	4000	659	6.97	740	8.83	885	12.85	1008	16.94	1117	21.12	1309	29.59	1481	38.52	1638	47.84	1784	57.57	1918	67.35	2043	77.14
10604	4400	709	8.88	783	10.85	922	15.27	1040	19.67	1146	24.21	1333	33.46	1498	42.86	1650	52.70	1792	62.96	1925	73.51	2049	84.17
11568	4800	760	11.14	829	13.26	960	17.98	1074	22.74	1177	27.62	1359	37.62	1519	47.65	1666	57.99	1804	68.78	1934	79.91	2057	91.32
12532	5200	812	13.79	876	16.03	999	21.01	1111	26.27	1209	31.35	1386	42.00	1544	52.95	1686	63.80	1819	74.99	1946	86.70	2066	98.62
13496	5600	865	16.87	924	19.19	1039	24.39	1148	30.08	1244	35.58	1416	46.85	1570	58.53	1709	70.09	1839	81.92	1961	93.93	2078	106.37
14460	6000	918	20.36	974	22.86	1081	28.22	1186	34.27	1280	40.20	1448	52.17	1597	64.37	1734	76.80	1861	89.27	1980	101.84	*2093*	*114.61*
15424	6400	972	24.37	1024	26.95	1126	32.64	1225	38.88	1318	45.34	1480	57.81	1627	70.79	1761	83.96	1885	97.08	2002	110.37	*2112*	*123.63*
16388	6800	1027	28.95	1076	31.66	1171	37.45	1265	43.93	1355	50.73	1515	64.13	1658	77.65	1789	91.45	1911	105.40	2025	119.24	*2133*	*133.15*
17352	7200	1081	33.96	1128	36.86	1218	42.89	1306	49.45	1393	56.59	1551	70.95	1690	85.01	1818	99.36	1938	114.07	2050	128.66	*2157*	*143.43*

CFM	OV	33" SP		34" SP		35" SP		36" SP		37" SP		38" SP		40" SP		42" SP		44" SP		46" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
7230	3000	2062	61.44	2092	63.43	*2122*	*65.47*	*2151*	*67.46*	*2180*	*69.51*	*2208*	*71.52*	*2264*	*75.67*	*2319*	*79.93*				
8676	3600	2067	72.10	*2097*	*74.35*	*2126*	*76.56*	*2155*	*78.81*	*2184*	*81.12*	*2212*	*83.37*	*2267*	*87.90*	*2321*	*92.50*	*2373*	*97.05*	*2425*	*101.79*
10122	4200	2076	83.26	*2105*	*85.76*	*2134*	*88.31*	*2163*	*90.91*	*2191*	*93.43*	*2219*	*96.01*	*2273*	*101.03*	*2327*	*106.25*	*2379*	*111.37*	*2429*	*116.40*
11568	4800	2086	94.11	*2116*	*97.10*	*2144*	*99.88*	*2173*	*102.87*	*2201*	*105.77*	*2228*	*108.58*	*2282*	*114.37*	*2335*	*120.20*	*2387*	*126.05*	*2437*	*131.76*
13014	5400	*2100*	*105.46*	*2129*	*108.65*	*2157*	*111.75*	*2185*	*114.92*	*2212*	*117.99*	*2240*	*121.29*	*2293*	*127.57*	*2345*	*133.92*	*2396*	*140.32*	*2446*	*146.77*
14460	6000	*2121*	*117.94*	*2148*	*121.16*	*2175*	*124.45*	*2202*	*127.80*	*2229*	*131.21*	*2255*	*134.51*	*2307*	*141.28*	*2359*	*148.30*	*2409*	*155.18*	*2458*	*162.09*
15906	6600	*2149*	*131.80*	*2175*	*135.20*	*2201*	*138.67*	*2227*	*142.20*	*2252*	*145.60*	*2278*	*149.25*	*2328*	*156.36*	*2377*	*163.50*	*2426*	*170.86*	*2473*	*178.03*
17352	7200	*2183*	*147.15*	*2208*	*150.73*	*2233*	*154.37*	*2258*	*158.08*	*2283*	*161.85*	*2307*	*165.46*	*2355*	*172.86*	*2402*	*180.28*	*2449*	*187.92*	*2495*	*195.57*

MAXIMUM RPM: CLASS 22 = 1778 CLASS 32 = 2092 CLASS 45 = 2510

RBA 921

Fan Efficiency Grade = FEG80

CFM	OV	1" SP		2" SP		4" SP		6" SP		8" SP		12" SP		16" SP		20" SP		24" SP		28" SP		32" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
2892	1200	382	0.67	518	1.34																		
3856	1600	410	0.96	535	1.78	730	3.59																
4820	2000	444	1.34	560	2.32	743	4.43	894	6.71														
5784	2400	480	1.78	591	2.97	763	5.36	907	7.95	1034	10.68												
6748	2800	519	2.34	625	3.73	789	6.45	926	9.32	1047	12.33	1261	18.73										
7712	3200	559	3.02	661	4.59	819	7.70	950	10.87	1066	14.15	1272	21.15	1453	28.49								
8676	3600	601	3.84	698	5.57	852	9.13	978	12.61	1090	16.21	1288	23.73	1463	31.68	1623	39.97						
9640	4000	644	4.81	737	6.73	886	10.67	1008	14.52	1117	18.45	1308	26.53	1478	35.06	1632	43.87	1776	53.04				
10604	4400	689	5.97	777	8.07	922	12.38	1041	16.66	1146	20.89	1331	29.55	1496	38.62	1646	48.02	1786	57.78	1917	67.74	2040	77.71
11568	4800	734	7.30	818	9.59	959	14.25	1075	18.96	1178	23.60	1358	32.90	1517	42.45	1663	52.37	1799	62.65	1927	73.23	2048	84.00
12532	5200	781	8.87	860	11.31	996	16.29	1110	21.42	1211	26.51	1386	36.42	1541	46.57	1683	57.02	1816	67.87	1940	78.89	2058	90.22
13496	5600	829	10.68	904	13.30	1035	18.63	1146	24.06	1245	29.61	1416	40.22	1568	51.04	1706	62.02	1835	73.32	1957	84.96	2072	96.79
14460	6000	877	12.73	948	15.50	1074	21.17	1183	26.94	1280	32.90	1448	44.35	1596	55.73	1732	67.43	1857	79.17	1976	91.31	*2089*	*103.72*
15424	6400	926	15.06	993	17.96	1114	23.98	1221	30.11	1316	36.40	1482	48.83	1626	60.78	1759	73.07	1882	85.48	1997	97.98	*2108*	*110.96*
16388	6800	976	17.71	1038	20.67	1156	27.14	1259	33.53	1352	40.10	1516	53.47	1658	66.24	1787	78.96	1908	92.02	2021	105.15	*2129*	*118.58*
17352	7200	1026	20.65	1085	23.76	1198	30.54	1298	37.27	1390	44.21	1550	58.25	1691	71.99	1817	85.30	1936	99.00	2047	112.73	*2152*	*126.57*

CFM	OV	33" SP		34" SP		35" SP		36" SP		37" SP		38" SP		40" SP		42" SP		44" SP		46" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
10122	4200																				
11568	4800	2077	86.68	*2106*	*89.41*	*2134*	*92.05*	*2163*	*94.87*	*2191*	*97.60*	*2218*	*100.24*								
13014	5400	*2093*	*96.41*	*2121*	*99.37*	*2149*	*102.38*	*2176*	*105.30*	*2203*	*108.27*	*2230*	*111.29*	*2283*	*117.35*	*2334*	*123.27*	*2385*	*129.38*	*2435*	*135.47*
14460	6000	*2116*	*106.80*	*2143*	*109.94*	*2170*	*113.14*	*2196*	*116.24*	*2223*	*119.57*	*2248*	*122.62*	*2299*	*129.04*	*2349*	*135.51*	*2399*	*142.17*	*2447*	*148.67*
15906	6600	*2144*	*117.92*	*2171*	*121.38*	*2196*	*124.58*	*2222*	*128.00*	*2248*	*131.49*	*2273*	*134.86*	*2322*	*141.59*	*2371*	*148.55*	*2418*	*155.33*	*2465*	*162.32*
17352	7200	*2177*	*129.97*	*2203*	*133.61*	*2228*	*137.13*	*2253*	*140.71*	*2277*	*144.16*	*2301*	*147.66*	*2349*	*154.83*	*2397*	*162.24*	*2443*	*169.46*	*2488*	*176.68*

MAXIMUM RPM: CLASS 22 = 1733 CLASS 32 = 2083 CLASS 45 = 2510

Performance certified is for installation type B & D: Free or ducted inlet, ducted outlet.
Power ratings (BHP) do not include transmission losses.
Performance ratings do not include the effects of appurtenances (accessories).

Underlined figures indicate maximum static efficiency.
Regular face to left of Class 32 = Class 22
Regular face in light shaded area = Class 32
Italic face to right of Class 32 = Class 45

RBW 921

Fan Efficiency Grade = FEG67

CFM	OV	1" SP		2" SP		4" SP		6" SP		8" SP		12" SP		16" SP		20" SP		24" SP		28" SP		32" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
2892	1200	396	0.77	532	1.47	732	3.05	889	4.85														
3856	1600	423	1.14	553	2.02	747	3.92	901	6.01	1031	8.23	1252	13.14										
4820	2000	453	1.61	579	2.69	767	4.95	916	7.33	1045	9.89	1263	15.35	1448	21.28								
5784	2400	486	2.22	608	3.51	790	6.15	935	8.85	1061	11.71	1276	17.79	1459	24.28	1620	31.11	1767	38.37	1903	46.03		
6748	2800	521	2.98	637	4.46	817	7.52	958	10.61	1081	13.80	1292	20.49	1472	27.56	1632	34.98	1777	42.72	1911	50.82	2036	59.24
7712	3200	559	3.93	670	5.63	845	9.08	984	12.58	1104	16.15	1310	23.43	1488	31.15	1646	39.17	1790	47.52	1922	56.09	2046	65.03
8676	3600	600	5.11	704	6.99	873	10.82	1011	14.73	1128	18.65	1331	26.71	1505	34.95	1662	43.67	1804	52.59	1935	61.77	2057	71.17
9640	4000	643	6.54	740	8.58	903	12.80	1039	17.13	1155	21.45	1354	30.27	1525	39.17	1679	48.40	1820	58.01	1950	67.83	2071	77.83
10604	4400	688	8.27	778	10.46	935	15.07	1068	19.80	1183	24.52	1379	34.10	1548	43.82	1699	53.64	1837	63.70	1965	74.06	2086	84.82
11568	4800	734	10.29	818	12.64	969	17.65	1098	22.75	1211	27.85	1405	38.18	1572	48.73	1721	59.30	1857	69.97	1983	80.84		
12532	5200	781	12.65	859	15.13	1004	20.53	1129	25.99	1240	31.50	1433	42.66	1597	53.89	1744	65.25	1878	76.60	2003	88.16		
13496	5600	828	15.33	902	18.01	1040	23.73	1162	29.63	1270	35.48	1461	47.46	1624	59.48	1768	71.49	1901	83.69	2024	95.87		
14460	6000	877	18.46	946	21.27	1077	27.29	1196	33.61	1302	39.90	1489	52.58	1651	65.36	1794	78.16	1925	91.10	2047	104.11		
15424	6400	926	21.99	992	25.02	1116	31.32	1231	37.99	1334	44.61	1518	58.10	1679	71.71	1821	85.24	1950	98.84	2071	112.71		
16388	6800	975	25.91	1038	29.16	1156	35.77	1267	42.78	1368	49.84	1548	64.05	1707	78.42	1848	92.67	1977	107.17				
17352	7200	1025	30.35	1084	33.70	1197	40.67	1304	48.03	1403	55.52	1579	70.45	1735	85.49	1876	100.66	2004	115.84				

MAXIMUM RPM: CLASS 22 = 1791 CLASS 32 = 2091

Performance certified is for installation type B & D: Free or ducted inlet, ducted outlet.
Power ratings (BHP) do not include transmission losses.
Performance ratings do not include the effects of appurtenances (accessories).

Underlined figures indicate maximum static efficiency.
Regular face to left of Class 32 = Class 22
Regular face in light shaded area = Class 32
Italic face to right of Class 32 = Class 45

TCF
TWIN CITY FAN

923

Wheel Diameter: 40"
Tip Speed (FPM): 10.47 x RPM

Inlet Area: 2.88 ft²
Inlet Diameter: 23" O.D.

Outlet Area: 2.90 ft²
Outlet Dimension: 19¼" x 21⅝"

RBO 923

Fan Efficiency Grade = FEG71

CFM	OV	1" SP		2" SP		4" SP		6" SP		8" SP		12" SP		16" SP		20" SP		24" SP		28" SP		32" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
3480	1200	349	0.91	475	1.76	663	3.59	809	5.52														
4640	1600	374	1.35	489	2.39	669	4.69	813	7.12	935	9.59	1142	14.90										
5800	2000	405	1.94	511	3.19	679	5.84	819	8.75	940	11.78	1144	17.90	1317	24.31								
6960	2400	439	2.71	539	4.18	697	7.24	829	10.48	947	13.96	1149	21.18	1320	28.45	1472	35.99	1609	43.78	1735	51.90		
8120	2800	476	3.70	570	5.40	721	8.91	846	12.51	958	16.32	1156	24.47	1325	32.82	1475	41.23	1611	49.79	1737	58.65	1853	67.63
9280	3200	515	4.93	604	6.88	747	10.77	868	14.86	974	18.97	1164	27.78	1332	37.19	1481	46.76	1616	56.32	1740	65.92	1855	75.60
10440	3600	558	6.51	639	8.61	777	12.98	893	17.49	996	22.08	1177	31.47	1340	41.59	1487	52.09	1621	62.79	1744	73.41	1859	84.11
11600	4000	602	8.41	676	10.65	809	15.53	920	20.38	1020	25.46	1195	35.64	1351	46.29	1495	57.58	1628	69.26	1750	80.99	1864	92.76
12760	4400	648	10.72	715	13.07	842	18.40	950	23.72	1046	29.14	1217	40.30	1367	51.56	1506	63.44	1636	75.84	1757	88.49	1870	101.29
13920	4800	695	13.47	757	15.97	877	21.68	981	27.42	1074	33.21	1240	45.23	1387	57.42	1521	69.86	1646	82.71	1765	96.15	1877	109.84
15080	5200	742	16.64	800	19.31	912	25.29	1014	31.60	1104	37.77	1266	50.66	1409	63.69	1539	76.81	1660	90.23	1776	104.33	1885	118.58
16240	5600	791	20.39	845	23.21	949	29.40	1048	36.20	1136	42.88	1293	56.44	1433	70.43	1560	84.38	1678	98.52	1790	113.09	1896	127.90
17400	6000	840	24.67	890	27.58	988	34.08	1083	41.28	1169	48.46	1322	62.82	1458	77.51	1583	92.49	1699	107.52	1807	122.53	1910	137.88
18560	6400	889	29.48	936	32.55	1028	39.28	1118	46.75	1203	54.55	1352	69.73	1485	85.18	1607	100.97	1721	116.94	1827	132.77	*1928*	*148.88*
19720	6800	938	34.87	983	38.17	1070	45.19	1155	52.89	1238	61.21	1383	77.20	1513	93.37	1633	110.07	1744	126.79	1849	143.67	*1947*	*160.30*
20880	7200	988	40.99	1031	44.50	1113	51.75	1193	59.62	1273	68.32	1416	85.43	1543	102.38	1660	119.70	1769	137.30	1872	155.06	*1969*	*172.69*

CFM	OV	33" SP		34" SP		35" SP		36" SP		37" SP		38" SP		40" SP		42" SP		44" SP		46" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
8700	3000	1882	73.96	1909	76.30	*1936*	*78.70*	*1963*	*81.17*	*1989*	*83.58*	*2015*	*86.04*	*2066*	*91.03*	*2116*	*96.12*				
10440	3600	1887	86.85	*1914*	*89.51*	*1940*	*92.10*	*1967*	*94.89*	*1993*	*97.60*	*2018*	*100.22*	*2069*	*105.79*	*2118*	*111.28*	*2166*	*116.85*	*2212*	*122.31*
12180	4200	1894	100.10	*1921*	*103.20*	*1948*	*106.35*	*1974*	*109.41*	*1999*	*112.35*	*2025*	*115.52*	*2075*	*121.69*	*2123*	*127.74*	*2171*	*134.01*	*2217*	*140.13*
13920	4800	1904	113.30	*1931*	*116.83*	*1957*	*120.26*	*1983*	*123.76*	*2008*	*127.15*	*2033*	*130.60*	*2083*	*137.71*	*2131*	*144.65*	*2178*	*151.60*	*2224*	*158.55*
15660	5400	*1917*	*127.00*	*1943*	*130.75*	*1969*	*134.57*	*1994*	*138.27*	*2019*	*142.04*	*2044*	*145.89*	*2093*	*153.59*	*2140*	*161.13*	*2187*	*168.94*	*2233*	*176.79*
17400	6000	*1936*	*141.98*	*1961*	*145.94*	*1985*	*149.76*	*2010*	*153.87*	*2034*	*157.83*	*2058*	*161.86*	*2106*	*170.15*	*2152*	*178.24*	*2198*	*186.60*	*2243*	*194.98*
19140	6600	*1962*	*158.77*	*1985*	*162.69*	*2009*	*166.93*	*2033*	*171.25*	*2056*	*175.39*	*2079*	*179.60*	*2125*	*188.25*	*2169*	*196.65*	*2214*	*205.59*	*2257*	*214.24*
20880	7200	*1992*	*176.97*	*2015*	*181.33*	*2038*	*185.77*	*2061*	*190.27*	*2084*	*194.86*	*2106*	*199.24*	*2150*	*208.21*	*2193*	*217.18*	*2235*	*226.11*	*2277*	*235.32*

MAXIMUM RPM: CLASS 22 = 1623 CLASS 32 = 1910 CLASS 45 = 2292

RBA 923

Fan Efficiency Grade = FEG80

CFM	OV	1" SP		2" SP		4" SP		6" SP		8" SP		12" SP		16" SP		20" SP		24" SP		28" SP		32" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
3480	1200	349	0.81	473	1.61																		
4640	1600	375	1.17	488	2.14	666	4.32																
5800	2000	406	1.62	511	2.78	678	5.32	816	8.07														
6960	2400	439	2.16	540	3.58	697	6.47	828	9.57	944	12.87												
8120	2800	474	2.82	571	4.50	721	7.79	845	11.21	956	14.85	1151	22.55										
9280	3200	511	3.65	604	5.54	748	9.28	867	13.08	973	17.03	1161	25.46	1326	34.28								
10440	3600	549	4.63	638	6.72	778	10.99	893	15.19	995	19.51	1175	28.52	1335	38.10	1481	48.08						
11600	4000	589	5.82	673	8.10	809	12.85	921	17.52	1019	22.17	1194	31.94	1349	42.19	1490	52.85	1621	63.84				
12760	4400	629	7.18	710	9.73	842	14.91	951	20.09	1046	25.13	1215	35.57	1365	46.43	1502	57.74	1630	69.53	1749	81.44	1862	93.55
13920	4800	671	8.81	747	11.55	875	17.12	982	22.86	1075	28.38	1239	39.53	1385	51.12	1518	63.03	1642	75.40	1758	88.01	1869	101.06
15080	5200	714	10.71	786	13.66	910	19.65	1014	25.83	1106	31.94	1265	43.81	1407	56.09	1537	68.73	1658	81.74	1771	94.99	1879	108.68
16240	5600	758	12.91	826	16.04	945	22.43	1047	29.02	1137	35.67	1293	48.45	1432	61.52	1558	74.76	1675	88.25	1786	102.21	1891	116.45
17400	6000	802	15.39	866	18.68	981	25.51	1081	32.51	1169	39.63	1323	53.52	1458	67.23	1581	81.15	1695	95.28	1804	109.96	*1907*	*124.87*
18560	6400	847	18.22	907	21.64	1018	28.94	1115	36.26	1202	43.87	1353	58.77	1485	73.26	1606	87.99	1718	102.89	1823	117.95	*1924*	*133.52*
19720	6800	892	21.37	949	24.98	1056	32.71	1150	40.41	1235	48.34	1384	64.35	1514	79.78	1632	95.16	1742	110.81	1845	126.59	*1943*	*142.63*
20880	7200	937	24.87	991	28.63	1094	36.77	1186	44.96	1269	53.20	1416	70.24	1544	86.69	1659	102.72	1767	119.09	1869	135.77	*1964*	*152.25*

CFM	OV	33" SP		34" SP		35" SP		36" SP		37" SP		38" SP		40" SP		42" SP		44" SP		46" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
13920	4800	1895	104.20	*1922*	*107.58*	*1948*	*110.84*	*1974*	*114.15*	*1999*	*117.35*	*2024*	*120.59*								
15660	5400	*1910*	*115.97*	*1936*	*119.60*	*1961*	*123.13*	*1986*	*126.71*	*2011*	*130.36*	*2035*	*133.87*	*2083*	*141.08*	*2130*	*148.31*	*2176*	*155.55*	*2222*	*162.96*
17400	6000	*1932*	*128.65*	*1956*	*132.31*	*1981*	*136.23*	*2005*	*140.03*	*2028*	*143.68*	*2052*	*147.61*	*2099*	*155.44*	*2144*	*163.08*	*2189*	*170.96*	*2233*	*178.83*
19140	6600	*1957*	*141.92*	*1981*	*145.95*	*2005*	*150.05*	*2028*	*154.01*	*2051*	*158.04*	*2074*	*162.13*	*2119*	*170.30*	*2164*	*178.74*	*2207*	*186.94*	*2250*	*195.38*
20880	7200	*1988*	*156.62*	*2011*	*160.83*	*2034*	*165.11*	*2056*	*169.22*	*2079*	*173.64*	*2101*	*177.89*	*2145*	*186.58*	*2188*	*195.27*	*2230*	*203.97*	*2271*	*212.65*

MAXIMUM RPM: CLASS 22 = 1581 CLASS 32 = 1905 CLASS 45 = 2292

Performance certified is for installation type B & D: Free or ducted inlet, ducted outlet.
Power ratings (BHP) do not include transmission losses.
Performance ratings do not include the effects of appurtenances (accessories).

Underlined figures indicate maximum static efficiency.
Regular face to left of Class 32 = Class 22
Regular face in light shaded area = Class 32
Italic face to right of Class 32 = Class 45

RBW 923

Fan Efficiency Grade = FEG67

CFM	OV	1" SP		2" SP		4" SP		6" SP		8" SP		12" SP		16" SP		20" SP		24" SP		28" SP		32" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
3480	1200	361	0.93	485	1.77	668	3.67	811	5.82														
4640	1600	386	1.37	505	2.44	682	4.72	822	7.22	941	9.90	1143	15.83										
5800	2000	413	1.94	529	3.25	700	5.96	836	8.82	954	11.91	1152	18.43	1321	25.57								
6960	2400	443	2.66	555	4.23	721	7.40	854	10.68	968	14.08	1164	21.38	1331	29.18	1479	37.46	1613	46.18	1736	55.30		
8120	2800	476	3.59	582	5.38	746	9.07	875	12.80	987	16.62	1179	24.65	1343	33.12	1489	42.04	1622	51.42	1744	61.13	1858	71.24
9280	3200	511	4.75	612	6.79	771	10.92	898	15.13	1007	19.39	1195	28.15	1358	37.47	1502	47.11	1633	57.10	1754	67.47	1867	78.20
10440	3600	548	6.16	643	8.42	797	13.03	923	17.74	1030	22.47	1215	32.16	1374	42.09	1516	52.45	1646	63.23	1766	74.31	1878	85.71
11600	4000	587	7.87	676	10.35	825	15.45	949	20.66	1055	25.87	1236	36.44	1392	47.15	1532	58.20	1661	69.79	1779	81.52	1890	93.63
12760	4400	628	9.94	711	12.63	854	18.17	975	23.84	1080	29.52	1259	41.07	1413	52.75	1550	64.47	1676	76.57	1794	89.21	1904	102.08
13920	4800	670	12.38	747	15.23	885	21.27	1002	27.36	1106	33.57	1283	46.01	1435	58.67	1571	71.39	1695	84.22	1810	97.30		
15080	5200	713	15.23	785	18.26	917	24.75	1031	31.33	1132	37.92	1308	51.35	1458	64.91	1592	78.56	1714	92.17	1828	106.07		
16240	5600	757	18.52	824	21.72	950	28.62	1061	35.69	1160	42.78	1334	57.18	1482	71.54	1614	86.07	1735	100.70	1848	115.51		
17400	6000	801	22.25	865	25.72	984	32.94	1092	40.49	1189	48.09	1360	63.40	1507	78.67	1638	94.15	1757	109.63	1869	125.42		
18560	6400	846	26.51	906	30.14	1019	37.72	1124	45.76	1218	53.73	1386	69.99	1533	86.39	1663	102.75	1780	118.99	1890	135.58		
19720	6800	892	31.37	948	35.13	1056	43.13	1157	51.55	1249	60.02	1413	77.09	1558	94.37	1688	111.78	1805	129.08				
20880	7200	937	36.66	991	40.72	1093	48.98	1191	57.90	1281	66.87	1441	84.74	1584	102.96	1713	121.29	1829	139.38				

MAXIMUM RPM: CLASS 22 = 1635 CLASS 32 = 1912

Performance certified is for installation type B & D: Free or ducted inlet, ducted outlet.
Power ratings (BHP) do not include transmission losses.
Performance ratings do not include the effects of appurtenances (accessories).

Underlined figures indicate maximum static efficiency.
Regular face to left of Class 32 = Class 22
Regular face in light shaded area = Class 32
Italic face to right of Class 32 = Class 45

TCF
TWIN CITY FAN

926

Wheel Diameter: 45.125"
Tip Speed (FPM): 11.81 x RPM

Inlet Area: 3.68 ft²
Inlet Diameter: 26" O.D.

Outlet Area: 3.69 ft²
Outlet Dimension: 21¾" x 24⁷⁄₁₆"

RBO/R 926

RBO wheel used for Class 22; RBR wheel used for Class 32 and 45.

Fan Efficiency Grade = FEG71

CFM	OV	1" SP		2" SP		4" SP		6" SP		8" SP		12" SP		16" SP		20" SP		24" SP		28" SP		32" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
4428	1200	310	1.16	421	2.23	588	4.57	717	7.03														
5904	1600	332	1.72	433	3.04	593	5.96	721	9.07	829	12.21	1012	18.94										
7380	2000	359	2.47	453	4.06	602	7.44	726	11.13	833	14.98	1014	22.77	1168	30.98								
8856	2400	389	3.45	478	5.33	618	9.22	735	13.34	840	17.80	1019	26.99	1170	36.19	1305	45.82	1426	55.68	1538	66.05		
10332	2800	422	4.71	505	6.86	639	11.34	750	15.93	849	20.75	1024	31.07	1175	41.81	1308	52.53	1428	63.35	1539	74.53	1643	86.13
11808	3200	457	6.29	535	8.73	663	13.75	769	18.88	864	24.19	1032	35.37	1181	47.35	1312	59.39	1432	71.59	1542	83.81	1645	96.32
13284	3600	494	8.25	566	10.93	689	16.53	791	22.20	883	28.11	1043	40.01	1188	52.95	1318	66.26	1437	79.91	1546	93.42	1648	107.05
14760	4000	534	10.72	599	13.54	717	19.75	816	25.98	904	32.38	1059	45.31	1198	58.97	1325	73.23	1443	88.11	1551	103.01	1652	117.96
16236	4400	574	13.62	634	16.65	747	23.47	842	30.18	927	37.05	1079	51.32	1212	65.65	1335	80.73	1450	96.46	1557	112.50	1658	128.98
17712	4800	616	17.14	671	20.32	777	27.55	870	34.95	952	42.25	1099	57.53	1229	72.98	1348	88.84	1459	105.23	1565	122.46	1664	139.82
19188	5200	658	21.20	709	24.55	809	32.25	899	40.23	979	48.12	1122	64.42	1249	81.05	1364	97.70	1472	114.93	1574	132.68	1671	150.91
20664	5600	701	25.94	749	29.53	841	37.38	929	46.07	1007	54.56	1146	71.80	1270	89.57	1383	107.42	1488	125.51	1586	143.71	1681	162.85
22140	6000	744	31.31	789	35.11	876	43.40	960	52.53	1036	61.62	1172	79.97	1293	98.77	1403	117.63	1506	136.81	1602	155.99	1693	175.43
23616	6400	788	37.51	830	41.46	912	50.12	991	59.49	1067	69.54	1198	88.64	1316	108.31	1425	128.63	1525	148.65	1620	169.11	*1709*	*189.43*
25092	6800	832	44.46	871	48.51	949	57.61	1024	67.34	1097	77.81	1226	98.25	1341	118.77	1447	139.91	1546	161.37	1639	182.82	*1726*	*204.02*
26568	7200	876	52.20	913	56.47	987	65.94	1058	75.98	1128	86.85	1255	108.66	1368	130.35	1471	152.17	1568	174.68	1659	197.18	*1745*	*219.61*

CFM	OV	33" SP		34" SP		35" SP		36" SP		37" SP		38" SP		40" SP		42" SP		44" SP		46" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
11070	3000	1668	94.07	1692	97.06	1716	100.13	1740	103.28	1763	106.33	1786	109.46	1831	115.76	1876	122.37				
13284	3600	1672	110.37	1696	113.78	1720	117.26	1743	120.62	1767	124.26	1789	127.57	1834	134.61	1877	141.50	1920	148.69	1961	155.69
15498	4200	1679	127.40	1703	131.36	1726	135.15	1750	139.26	1772	142.97	1795	146.99	1839	154.76	1882	162.58	1924	170.41	1965	178.26
17712	4800	1688	144.23	1711	148.48	1735	153.09	1758	157.54	1780	161.80	1802	166.16	1846	175.11	1889	184.07	1931	193.01	1971	201.62
19926	5400	1699	161.53	1722	166.28	1745	171.13	1768	176.09	1790	180.84	1812	185.68	1855	195.34	1897	205.04	1939	215.10	1979	224.82
22140	6000	1716	180.63	1738	185.62	1760	190.71	1782	195.89	1803	200.84	1825	206.21	1867	216.57	1908	226.95	1949	237.67	1988	248.02
24354	6600	1739	201.97	1760	207.17	1781	212.47	1802	217.87	1822	222.99	1843	228.58	1883	239.29	1923	250.36	1962	261.39	2001	272.75
26568	7200	1766	225.29	1787	231.07	1807	236.57	1827	242.15	1847	247.83	1867	253.61	1905	264.61	1944	276.38	1981	287.65	2018	299.26

MAXIMUM RPM: CLASS 22 = 1439 CLASS 32 = 1693 CLASS 45 = 2032

RBA 926

Fan Efficiency Grade = FEG80

CFM	OV	1" SP		2" SP		4" SP		6" SP		8" SP		12" SP		16" SP		20" SP		24" SP		28" SP		32" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
4428	1200	309	1.03	419	2.05																		
5904	1600	332	1.48	433	2.73	591	5.51																
7380	2000	359	2.05	453	3.54	601	6.77	724	10.30														
8856	2400	389	2.74	478	4.54	617	8.20	734	12.19	836	16.33												
10332	2800	420	3.59	506	5.72	639	9.91	749	14.27	847	18.87	1020	28.67										
11808	3200	453	4.64	535	7.03	663	11.81	769	16.67	863	21.71	1029	32.38	1176	43.68								
13284	3600	487	5.91	565	8.53	690	14.01	791	19.29	882	24.82	1042	36.33	1184	48.55	1313	61.20						
14760	4000	522	7.40	597	10.34	717	16.35	816	22.26	904	28.28	1058	40.60	1195	53.58	1320	67.13	1436	81.08				
16236	4400	558	9.16	629	12.37	746	18.95	843	25.57	927	31.95	1077	45.26	1210	59.09	1332	73.58	1444	88.31	1550	103.55	1650	118.92
17712	4800	595	11.23	662	14.69	776	21.82	870	29.05	953	36.12	1099	50.40	1227	64.94	1346	80.28	1456	96.04	1559	112.14	1656	128.42
19188	5200	633	13.64	697	17.40	807	25.04	899	32.89	980	40.60	1122	55.84	1247	71.34	1362	87.38	1469	103.87	1570	120.91	1665	138.15
20664	5600	671	16.36	732	20.40	838	28.57	928	36.92	1008	45.41	1146	61.63	1269	78.21	1381	95.12	1485	112.35	1583	130.02	1677	148.38
22140	6000	711	19.59	767	23.71	870	32.52	958	41.34	1036	50.40	1172	67.97	1292	85.47	1401	103.17	1503	121.36	1599	139.90	*1690*	*158.78*
23616	6400	750	23.11	804	27.55	902	36.78	989	46.24	1065	55.75	1199	74.73	1316	93.15	1423	111.83	1523	130.96	1616	150.11	*1705*	*169.76*
25092	6800	790	27.13	841	31.76	936	41.62	1020	51.52	1095	61.56	1227	81.92	1342	101.52	1446	120.94	1544	140.97	1635	160.95	*1722*	*181.40*
26568	7200	831	31.70	879	36.50	970	46.84	1051	57.16	1125	67.73	1255	89.34	1368	110.17	1471	130.83	1566	151.46	1656	172.54	*1741*	*193.76*

CFM	OV	33" SP		34" SP		35" SP		36" SP		37" SP		38" SP		40" SP		42" SP		44" SP		46" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
17712	4800	1680	132.65	*1703*	*136.72*	*1727*	*141.10*	*1749*	*145.06*	*1772*	*149.33*	*1794*	*153.41*								
19926	5400	*1693*	*147.55*	*1716*	*152.16*	*1738*	*156.60*	*1760*	*161.11*	*1782*	*165.71*	*1804*	*170.38*	*1846*	*179.40*	*1888*	*188.70*	*1929*	*197.97*	*1969*	*207.16*
22140	6000	*1712*	*163.55*	*1734*	*168.40*	*1756*	*173.35*	*1777*	*178.10*	*1798*	*182.93*	*1819*	*187.84*	*1860*	*197.60*	*1901*	*207.68*	*1940*	*217.41*	*1979*	*227.42*
24354	6600	*1735*	*180.68*	*1756*	*185.72*	*1777*	*190.85*	*1798*	*196.08*	*1818*	*201.08*	*1839*	*206.50*	*1879*	*216.94*	*1918*	*227.37*	*1956*	*237.75*	*1994*	*248.45*
26568	7200	*1762*	*199.23*	*1782*	*204.45*	*1803*	*210.11*	*1823*	*215.52*	*1842*	*220.65*	*1862*	*226.23*	*1901*	*237.28*	*1939*	*248.29*	*1977*	*259.67*	*2013*	*270.57*

MAXIMUM RPM: CLASS 22 = 1402 CLASS 32 = 1689 CLASS 45 = 2032

Performance certified is for installation type B & D: Free or ducted inlet, ducted outlet.
Power ratings (BHP) do not include transmission losses.
Performance ratings do not include the effects of appurtenances (accessories).

Underlined figures indicate maximum static efficiency.
Regular face to left of Class 32 = Class 22
Regular face in light shaded area = Class 32
Italic face to right of Class 32 = Class 45

RBW 926

Fan Efficiency Grade = FEG67

CFM	OV	1" SP		2" SP		4" SP		6" SP		8" SP		12" SP		16" SP		20" SP		24" SP		28" SP		32" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
4428	1200	320	1.18	430	2.25	592	4.66	719	7.41														
5904	1600	342	1.74	448	3.11	605	6.02	729	9.21	834	12.60	1013	20.13										
7380	2000	366	2.46	469	4.14	620	7.57	741	11.23	845	15.12	1021	23.45	1171	32.54								
8856	2400	393	3.40	492	5.38	639	9.41	757	13.59	858	17.91	1032	27.22	1180	37.14	1311	47.66	1430	58.79	1539	70.39		
10332	2800	422	4.57	516	6.86	661	11.52	775	16.25	874	21.09	1045	31.36	1191	42.21	1320	53.52	1438	65.46	1546	77.79	1647	90.66
11808	3200	453	6.04	542	8.62	684	13.93	796	19.26	893	24.71	1059	35.79	1203	47.59	1332	60.02	1448	72.73	1555	85.89	1655	99.52
13284	3600	486	7.85	570	10.72	707	16.61	818	22.56	913	28.60	1077	40.92	1218	53.57	1344	66.77	1459	80.45	1565	94.49	1664	108.93
14760	4000	521	10.06	599	13.16	731	19.64	841	26.26	935	32.90	1096	46.42	1234	60.01	1358	74.06	1472	88.75	1577	103.74	1675	119.07
16236	4400	557	12.68	630	16.05	757	23.12	864	30.31	958	37.65	1116	52.26	1252	67.04	1374	82.05	1486	97.50	1590	113.46	1687	129.72
17712	4800	594	15.76	662	19.37	784	27.02	888	34.80	980	42.67	1137	58.50	1272	74.65	1392	90.74	1502	107.07	1604	123.72		
19188	5200	632	19.37	696	23.26	813	31.51	914	39.87	1004	48.34	1160	65.44	1292	82.52	1411	99.93	1520	117.44	1620	134.88		
20664	5600	671	23.57	731	27.70	842	36.41	940	45.34	1028	54.40	1182	72.68	1314	91.10	1431	109.60	1538	128.15	1638	146.95		
22140	6000	710	28.31	766	32.63	872	41.88	968	51.52	1054	61.20	1205	80.57	1336	100.14	1452	119.82	1558	139.65	1656	159.39		
23616	6400	750	33.75	803	38.35	903	47.96	996	58.17	1080	68.44	1228	88.93	1359	109.95	1474	130.72	1578	151.46	1675	172.42		
25092	6800	790	39.82	840	44.65	936	54.88	1026	65.67	1107	76.35	1253	98.21	1381	120.08	1496	142.15	1600	164.26	1696	186.40		
26568	7200	831	46.73	878	51.74	969	62.35	1056	73.73	1135	84.98	1278	108.00	1404	130.99	1518	154.20	1621	177.27				

MAXIMUM RPM: CLASS 22 = 1449 CLASS 32 = 1696

Performance certified is for installation type B & D: Free or ducted inlet, ducted outlet.
Power ratings (BHP) do not include transmission losses.
Performance ratings do not include the effects of appurtenances (accessories).

Underlined figures indicate maximum static efficiency.
Regular face to left of Class 32 = Class 22
Regular face in light shaded area = Class 32
Italic face to right of Class 32 = Class 45

TCF
TWIN CITY FAN

929

Wheel Diameter: 50.5"
Tip Speed (FPM): 13.22 x RPM

Inlet Area: 4.58 ft²
Inlet Diameter: 29" O.D.

Outlet Area: 4.62 ft²
Outlet Dimension: 24¼" x 27⁵⁄₁₆"

RBO/R 929

RBO wheel used for Class 22; RBR wheel used for Class 32 and 45.

Fan Efficiency Grade = FEG71

CFM	OV	1" SP		2" SP		4" SP		6" SP		8" SP		12" SP		16" SP		20" SP		24" SP		28" SP		32" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
5544	1200	277	1.46	376	2.79	525	5.71	641	8.81														
7392	1600	296	2.14	387	3.80	530	7.47	644	11.35	741	15.30	904	23.70										
9240	2000	321	3.11	405	5.09	538	9.32	649	13.96	745	18.80	906	28.50	1043	38.72								
11088	2400	348	4.34	427	6.67	552	11.53	657	16.72	750	22.23	910	33.74	1046	45.39	1166	57.35	1274	69.68	1374	82.65		
12936	2800	377	5.90	452	8.63	571	14.20	670	19.93	759	26.02	915	38.90	1050	52.36	1169	65.81	1276	79.32	1375	93.28	1468	107.82
14784	3200	408	7.86	478	10.93	592	17.18	688	23.73	772	30.29	922	44.26	1055	59.24	1173	74.49	1280	89.73	1378	104.97	1470	120.63
16632	3600	442	10.37	506	13.70	615	20.64	707	27.83	789	35.19	932	50.09	1061	66.19	1178	83.03	1284	100.05	1382	117.11	1473	134.15
18480	4000	477	13.41	535	16.93	640	24.66	729	32.52	808	40.58	947	56.86	1070	73.74	1184	91.70	1289	110.21	1386	129.00	1476	147.65
20328	4400	513	17.07	567	20.90	667	29.33	752	37.73	828	46.34	964	64.22	1083	82.21	1193	101.11	1296	120.87	1391	140.78	1481	161.33
22176	4800	550	21.41	599	25.37	694	34.46	777	43.69	851	52.97	982	72.03	1098	91.33	1204	111.10	1304	131.85	1398	153.19	1487	175.11
24024	5200	588	26.55	634	30.82	722	40.23	803	50.32	875	60.30	1002	80.53	1116	101.47	1219	122.39	1315	143.81	1406	165.96	1493	188.90
25872	5600	626	32.42	669	36.94	752	46.91	830	57.67	900	68.37	1024	89.90	1135	112.21	1236	134.57	1329	156.93	1418	180.25	1502	203.87
27720	6000	665	39.25	705	43.96	782	54.19	858	65.82	926	77.23	1047	100.06	1155	123.56	1254	147.41	1345	171.04	1431	195.12	1513	219.74
29568	6400	704	46.95	741	51.79	814	62.54	886	74.62	953	86.97	1071	111.15	1176	135.64	1273	160.94	1363	186.26	1447	211.49	*1527*	*237.15*
31416	6800	743	55.58	778	60.68	847	71.89	915	84.33	980	97.37	1096	123.20	1199	149.00	1293	175.20	1382	202.29	1464	228.66	*1542*	*255.32*
33264	7200	782	65.18	816	70.76	881	82.31	945	95.03	1008	108.77	1121	135.91	1222	163.06	1315	190.79	1401	218.68	1482	246.69	*1559*	*274.84*

CFM	OV	33" SP		34" SP		35" SP		36" SP		37" SP		38" SP		40" SP		42" SP		44" SP		46" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
13860	3000	1491	117.91	1512	121.55	*1534*	*125.53*	*1555*	*129.37*	*1576*	*133.30*	*1596*	*137.08*	*1637*	*145.19*	*1676*	*153.14*				
16632	3600	1494	138.19	*1516*	*142.61*	*1537*	*146.84*	*1558*	*151.18*	*1578*	*155.32*	*1599*	*159.85*	*1639*	*168.60*	*1677*	*177.10*	*1715*	*185.96*	*1752*	*194.85*
19404	4200	1500	159.43	*1522*	*164.55*	*1543*	*169.46*	*1563*	*174.12*	*1584*	*179.21*	*1604*	*184.06*	*1643*	*193.69*	*1682*	*203.67*	*1719*	*213.29*	*1756*	*223.24*
22176	4800	1508	180.47	*1529*	*185.95*	*1550*	*191.57*	*1570*	*196.92*	*1591*	*202.77*	*1611*	*208.36*	*1650*	*219.45*	*1688*	*230.50*	*1725*	*241.47*	*1761*	*252.36*
24948	5400	*1518*	*202.18*	*1539*	*208.31*	*1559*	*214.16*	*1579*	*220.13*	*1599*	*226.23*	*1619*	*232.44*	*1658*	*244.78*	*1695*	*256.70*	*1732*	*269.03*	*1768*	*281.33*
27720	6000	*1533*	*226.02*	*1553*	*232.41*	*1573*	*238.94*	*1592*	*245.12*	*1611*	*251.42*	*1630*	*257.84*	*1668*	*271.03*	*1705*	*284.20*	*1741*	*297.31*	*1777*	*310.86*
30492	6600	*1554*	*252.94*	*1572*	*259.08*	*1591*	*265.82*	*1610*	*272.70*	*1628*	*279.18*	*1647*	*286.30*	*1683*	*299.85*	*1718*	*313.30*	*1753*	*327.18*	*1788*	*341.51*
33264	7200	*1578*	*282.08*	*1596*	*288.90*	*1614*	*295.85*	*1632*	*302.91*	*1650*	*310.09*	*1668*	*317.39*	*1703*	*331.77*	*1737*	*346.01*	*1770*	*360.08*	*1803*	*374.58*

MAXIMUM RPM: CLASS 22 = 1286 CLASS 32 = 1513 CLASS 45 = 1815

RBA 929

Fan Efficiency Grade = FEG80

CFM	OV	1" SP		2" SP		4" SP		6" SP		8" SP		12" SP		16" SP		20" SP		24" SP		28" SP		32" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
5544	1200	276	1.29	375	2.58																		
7392	1600	297	1.86	387	3.42	528	6.90																
9240	2000	321	2.57	405	4.45	537	8.48	647	12.90														
11088	2400	347	3.42	427	5.68	552	10.30	656	15.27	747	20.44												
12936	2800	375	4.48	452	7.15	571	12.41	669	17.84	757	23.64	912	35.97										
14784	3200	404	5.78	478	8.80	592	14.76	687	20.86	771	27.17	919	40.48	1051	54.72								
16632	3600	435	7.39	505	10.69	616	17.50	707	24.17	788	31.07	931	45.48	1058	60.80	1173	76.58						
18480	4000	466	9.24	533	12.91	641	20.50	729	27.86	807	35.30	945	50.77	1068	67.13	1180	84.16	1284	101.72				
20328	4400	498	11.43	562	15.48	667	23.78	753	31.98	829	40.11	962	56.61	1081	73.95	1190	92.08	1291	110.76	1385	129.66	1475	149.09
22176	4800	531	14.01	592	18.44	693	27.28	778	36.46	852	45.30	982	63.11	1097	81.45	1202	100.34	1301	120.25	1393	140.39	1480	160.89
24024	5200	565	17.02	622	21.70	721	31.35	803	41.14	876	50.90	1002	69.81	1114	89.26	1217	109.41	1313	130.17	1403	151.43	1488	173.06
25872	5600	600	20.54	654	25.54	749	35.81	829	46.20	900	56.74	1024	77.18	1134	97.96	1234	119.10	1327	140.71	1415	162.97	1498	185.61
27720	6000	635	24.50	686	29.78	777	40.66	856	51.77	926	63.18	1047	85.06	1154	106.89	1252	129.23	1343	151.96	1429	175.25	*1510*	*198.78*
29568	6400	670	28.92	718	34.44	806	46.06	883	57.76	952	69.90	1072	93.74	1176	116.66	1272	140.18	1361	164.02	1444	187.96	*1524*	*212.77*
31416	6800	706	33.99	751	39.70	836	52.06	911	64.42	978	76.98	1096	102.48	1199	127.08	1292	151.41	1380	176.65	1461	201.55	*1539*	*227.28*
33264	7200	742	39.61	785	45.64	866	58.50	939	71.55	1005	84.75	1121	111.76	1223	138.16	1314	163.66	1400	189.93	1480	216.17	*1556*	*242.77*

CFM	OV	33" SP		34" SP		35" SP		36" SP		37" SP		38" SP		40" SP		42" SP		44" SP		46" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
22176	4800	1501	166.03	*1522*	*171.28*	*1543*	*176.61*	*1563*	*181.68*	*1583*	*186.83*	*1603*	*192.07*								
24948	5400	*1513*	*184.83*	*1533*	*190.40*	*1553*	*196.08*	*1573*	*201.86*	*1593*	*207.75*	*1612*	*213.35*	*1650*	*224.83*	*1687*	*236.25*	*1724*	*248.02*	*1760*	*259.64*
27720	6000	*1530*	*204.87*	*1549*	*210.69*	*1569*	*217.03*	*1588*	*223.06*	*1607*	*229.21*	*1625*	*235.04*	*1662*	*247.42*	*1698*	*259.75*	*1734*	*272.46*	*1769*	*285.07*
30492	6600	*1550*	*226.10*	*1569*	*232.51*	*1588*	*239.04*	*1606*	*245.24*	*1625*	*252.02*	*1643*	*258.45*	*1679*	*271.64*	*1714*	*284.77*	*1748*	*297.80*	*1782*	*311.22*
33264	7200	*1574*	*249.25*	*1593*	*256.33*	*1611*	*263.05*	*1628*	*269.39*	*1646*	*276.32*	*1664*	*283.37*	*1699*	*297.29*	*1733*	*311.11*	*1766*	*324.82*	*1799*	*338.95*

MAXIMUM RPM: CLASS 22 = 1253 CLASS 32 = 1509 CLASS 45 = 1815

Performance certified is for installation type B & D: Free or ducted inlet, ducted outlet.
Power ratings (BHP) do not include transmission losses.
Performance ratings do not include the effects of appurtenances (accessories).

Underlined figures indicate maximum static efficiency.
Regular face to left of Class 32 = Class 22
Regular face in light shaded area = Class 32
Italic face to right of Class 32 = Class 45

RBW 929

Fan Efficiency Grade = FEG67

CFM	OV	1" SP		2" SP		4" SP		6" SP		8" SP		12" SP		16" SP		20" SP		24" SP		28" SP		32" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
5544	1200	286	1.48	384	2.81	529	5.84	642	9.26														
7392	1600	306	2.18	400	3.89	540	7.51	651	11.50	745	15.76	905	25.19										
9240	2000	327	3.08	419	5.18	554	9.47	662	14.05	755	18.93	913	29.42	1046	40.70								
11088	2400	351	4.25	439	6.71	571	11.78	676	16.98	767	22.45	922	34.07	1054	46.45	1171	59.61	1277	73.48	1375	88.10		
12936	2800	377	5.72	461	8.58	590	14.38	693	20.39	781	26.41	934	39.29	1064	52.81	1180	67.09	1285	81.98	1381	97.32	1472	113.60
14784	3200	405	7.58	484	10.77	611	17.42	711	24.09	798	30.94	947	44.91	1075	59.60	1190	75.11	1294	91.10	1389	107.43	1479	124.65
16632	3600	434	9.81	509	13.40	631	20.73	731	28.26	816	35.83	962	51.18	1088	67.00	1201	83.62	1304	100.80	1399	118.46	1487	136.43
18480	4000	465	12.55	536	16.55	653	24.57	751	32.82	835	41.12	979	58.07	1103	75.21	1214	92.86	1315	111.04	1409	129.86	1497	149.17
20328	4400	498	15.90	563	20.10	677	29.02	772	37.95	856	47.13	997	65.40	1119	84.00	1228	102.79	1328	122.14	1421	142.14	1508	162.61
22176	4800	531	19.77	592	24.31	701	33.90	794	43.66	876	53.49	1016	73.26	1136	93.33	1244	113.66	1342	134.02	1433	154.82		
24024	5200	565	24.30	622	29.14	726	39.38	816	49.80	897	60.50	1036	81.81	1155	103.46	1261	125.18	1358	146.99	1448	169.04		
25872	5600	599	29.43	653	34.66	752	45.52	840	56.79	919	68.22	1056	90.95	1174	114.03	1278	137.01	1375	160.71	1463	183.76		
27720	6000	635	35.55	685	40.96	779	52.40	865	64.52	941	76.43	1077	100.96	1194	125.45	1297	149.88	1392	174.80	1480	199.68		
29568	6400	670	42.23	718	48.12	807	60.08	890	72.84	965	85.69	1098	111.57	1214	137.56	1317	163.64	1410	189.63	1497	216.02		
31416	6800	706	49.89	751	56.01	836	68.63	916	82.02	989	95.55	1119	122.77	1234	150.35	1337	178.09	1429	205.38	1515	233.17		
33264	7200	742	58.39	785	64.91	866	78.12	943	92.15	1014	106.35	1142	135.24	1255	164.19	1357	193.33	1449	222.22				

MAXIMUM RPM: CLASS 22 = 1295 CLASS 32 = 1515

Performance certified is for installation type B & D: Free or ducted inlet, ducted outlet.
Power ratings (BHP) do not include transmission losses.
Performance ratings do not include the effects of appurtenances (accessories).

Underlined figures indicate maximum static efficiency.
Regular face to left of Class 32 = Class 22
Regular face in light shaded area = Class 32
Italic face to right of Class 32 = Class 45

TCF
TWIN CITY FAN

933

Wheel Diameter: 57.5"
Tip Speed (FPM): 15.05 x RPM

Inlet Area: 5.94 ft²
Inlet Diameter: 33" O.D.

Outlet Area: 5.99 ft²
Outlet Dimension: 27⅝" x 31⅛"

RBO/R 933

RBO wheel used for Class 22; RBR wheel used for Class 32 and 45.

Fan Efficiency Grade = FEG71

CFM	OV	1" SP		2" SP		4" SP		6" SP		8" SP		12" SP		16" SP		20" SP		24" SP		28" SP		32" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
7188	1200	243	1.88	330	3.61	461	7.40	563	11.42														
9584	1600	260	2.78	340	4.94	465	9.66	566	14.74	651	19.86	794	30.73										
11980	2000	282	4.03	356	6.62	472	12.05	570	18.10	654	24.34	796	36.99	916	50.20								
14376	2400	306	5.64	375	8.64	485	14.97	577	21.68	659	28.86	799	43.70	919	58.91	1024	74.34	1119	90.37	1207	107.23		
16772	2800	331	7.64	397	11.19	501	18.35	589	25.91	666	33.64	804	50.51	922	67.85	1026	85.15	1121	102.94	1208	121.05	1289	139.69
19168	3200	358	10.16	420	14.19	520	22.29	604	30.73	678	39.26	810	57.44	926	76.67	1030	96.52	1124	116.28	1210	136.01	1291	156.38
21564	3600	388	13.42	444	17.72	540	26.74	621	36.09	693	45.63	819	65.06	932	85.87	1035	107.77	1128	129.82	1213	151.56	1293	173.65
23960	4000	419	17.40	470	21.97	562	31.95	640	42.11	709	52.46	831	73.54	940	95.68	1040	118.94	1132	142.86	1217	167.14	1297	191.74
26356	4400	451	22.19	498	27.10	586	38.06	660	48.82	728	60.28	846	83.08	951	106.53	1048	131.18	1138	156.62	1222	182.68	1301	209.30
28752	4800	483	27.75	527	33.07	610	44.78	682	56.55	747	68.57	863	93.57	965	118.66	1058	144.27	1145	170.84	1228	198.71	1306	227.04
31148	5200	516	34.34	557	39.99	634	52.14	705	65.17	768	78.03	880	104.40	980	131.50	1071	158.85	1155	186.49	1235	215.27	1312	245.34
33544	5600	550	42.08	587	47.75	660	60.69	729	74.78	790	88.49	899	116.42	997	145.56	1085	174.22	1167	203.35	1245	233.49	1319	264.23
35940	6000	584	50.88	619	56.95	687	70.31	753	85.15	813	100.03	919	129.51	1014	160.01	1101	190.94	1182	222.17	1257	253.10	1329	285.03
38336	6400	618	60.78	651	67.21	715	81.12	778	96.69	837	112.76	940	143.82	1033	175.94	1118	208.64	1197	241.45	1271	274.30	*1341*	*307.39*
40732	6800	653	72.21	684	78.92	744	93.24	803	109.08	861	126.37	962	159.44	1053	193.16	1136	227.39	1213	261.79	1286	296.62	*1355*	*331.55*
43128	7200	687	84.58	717	91.87	774	106.82	830	123.22	885	140.88	985	176.46	1073	211.27	1155	247.42	1231	283.91	1302	320.14	*1370*	*356.95*

CFM	OV	33" SP		34" SP		35" SP		36" SP		37" SP		38" SP		40" SP		42" SP		44" SP		46" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
17970	3000	1309	152.70	*1328*	*157.62*	*1347*	*162.66*	*1366*	*167.84*	*1384*	*172.78*	*1402*	*177.84*	*1437*	*187.96*	*1472*	*198.56*				
21564	3600	1312	179.11	*1331*	*184.70*	*1350*	*190.43*	*1368*	*195.86*	*1386*	*201.42*	*1404*	*207.10*	*1439*	*218.38*	*1473*	*229.69*	*1507*	*241.48*	*1539*	*252.76*
25158	4200	1318	206.99	*1336*	*213.01*	*1355*	*219.63*	*1373*	*225.89*	*1391*	*232.27*	*1409*	*238.78*	*1443*	*251.13*	*1477*	*263.94*	*1510*	*276.68*	*1542*	*289.32*
28752	4800	1324	233.76	*1343*	*241.17*	*1361*	*248.20*	*1379*	*255.38*	*1397*	*262.72*	*1415*	*270.20*	*1449*	*284.44*	*1482*	*298.54*	*1515*	*313.08*	*1547*	*327.43*
32346	5400	*1333*	*262.01*	*1352*	*270.30*	*1369*	*277.54*	*1387*	*285.55*	*1405*	*293.72*	*1422*	*301.42*	*1456*	*317.27*	*1489*	*333.04*	*1521*	*348.71*	*1553*	*364.91*
35940	6000	*1347*	*293.44*	*1364*	*301.36*	*1381*	*309.44*	*1398*	*317.68*	*1415*	*326.06*	*1432*	*334.60*	*1465*	*351.44*	*1497*	*368.15*	*1529*	*385.42*	*1560*	*402.51*
39534	6600	*1364*	*327.35*	*1381*	*336.17*	*1398*	*345.15*	*1414*	*353.55*	*1430*	*362.11*	*1446*	*370.81*	*1478*	*388.67*	*1509*	*406.32*	*1540*	*424.55*	*1570*	*442.49*
43128	7200	*1386*	*365.80*	*1402*	*374.80*	*1418*	*383.96*	*1434*	*393.28*	*1449*	*401.92*	*1465*	*411.55*	*1495*	*429.56*	*1525*	*448.13*	*1555*	*467.29*	*1584*	*486.11*

MAXIMUM RPM: CLASS 22 = 1129 CLASS 32 = 1329 CLASS 45 = 1594

RBA 933

Fan Efficiency Grade = FEG80

CFM	OV	1" SP		2" SP		4" SP		6" SP		8" SP		12" SP		16" SP		20" SP		24" SP		28" SP		32" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
7188	1200	243	1.68	329	3.33																		
9584	1600	261	2.42	339	4.41	464	8.96																
11980	2000	282	3.33	356	5.78	472	11.02	568	16.71														
14376	2400	305	4.44	375	7.36	485	13.37	576	19.78	656	26.50												
16772	2800	330	5.84	397	9.28	501	16.04	588	23.18	665	30.68	801	46.64										
19168	3200	355	7.51	420	11.43	520	19.14	603	27.00	677	35.21	808	52.66	923	70.94								
21564	3600	382	9.57	444	13.91	541	22.69	621	31.35	692	40.27	818	59.04	929	78.78	1030	99.24						
23960	4000	409	11.96	468	16.73	563	26.59	640	36.07	709	45.82	830	65.84	938	87.04	1036	109.00	1127	131.64				
26356	4400	438	14.88	494	20.12	586	30.86	661	41.40	728	51.99	845	73.42	950	96.05	1045	119.33	1134	143.66	1217	168.36	1295	193.11
28752	4800	467	18.23	520	23.91	609	35.43	683	47.21	748	58.67	862	81.69	963	105.45	1056	130.22	1142	155.65	1223	181.83	1300	208.68
31148	5200	497	22.17	547	28.25	633	40.60	705	53.28	769	65.90	880	90.50	979	115.94	1069	141.91	1153	168.69	1232	196.23	1307	224.44
33544	5600	527	26.63	574	33.04	657	46.25	728	59.88	791	73.72	899	99.94	996	127.02	1083	154.09	1165	182.21	1243	211.43	1316	240.84
35940	6000	558	31.81	602	38.51	682	52.62	752	67.17	813	81.82	920	110.44	1014	138.78	1100	167.73	1179	196.76	1255	227.19	*1326*	*257.62*
38336	6400	589	37.61	631	44.73	708	59.74	776	75.03	836	90.58	941	121.34	1033	151.33	1117	181.67	1195	212.49	1268	243.57	*1338*	*275.56*
40732	6800	620	44.06	660	51.57	734	67.43	800	83.49	859	99.82	963	133.03	1053	164.73	1135	196.45	1212	229.03	1283	261.23	*1352*	*294.89*
43128	7200	652	51.43	689	59.05	761	75.97	825	92.87	883	110.01	985	145.10	1074	179.07	1154	212.17	1229	245.91	1300	280.38	*1366*	*314.35*

CFM	OV	33" SP		34" SP		35" SP		36" SP		37" SP		38" SP		40" SP		42" SP		44" SP		46" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
28752	4800	1318	215.13	*1337*	*222.21*	*1355*	*228.90*	*1373*	*235.70*	*1391*	*242.61*	*1408*	*249.09*								
32346	5400	*1329*	*239.73*	*1347*	*247.20*	*1364*	*254.25*	*1382*	*262.00*	*1399*	*269.31*	*1416*	*276.76*	*1449*	*291.41*	*1482*	*306.54*	*1514*	*321.48*	*1546*	*336.80*
35940	6000	*1344*	*265.78*	*1361*	*273.50*	*1378*	*281.38*	*1394*	*288.79*	*1411*	*296.95*	*1427*	*304.62*	*1460*	*321.00*	*1492*	*337.25*	*1523*	*353.31*	*1553*	*369.14*
39534	6600	*1361*	*292.94*	*1378*	*301.45*	*1395*	*310.13*	*1411*	*318.30*	*1427*	*326.62*	*1443*	*335.09*	*1474*	*351.75*	*1505*	*368.96*	*1535*	*385.96*	*1565*	*403.45*
43128	7200	*1383*	*323.58*	*1399*	*332.28*	*1415*	*341.13*	*1430*	*349.39*	*1446*	*358.54*	*1461*	*367.07*	*1492*	*385.31*	*1522*	*403.33*	*1551*	*421.12*	*1580*	*439.45*

MAXIMUM RPM: CLASS 22 = 1100 CLASS 32 = 1325 CLASS 45 = 1594

Performance certified is for installation type B & D: Free or ducted inlet, ducted outlet.
Power ratings (BHP) do not include transmission losses.
Performance ratings do not include the effects of appurtenances (accessories).

Underlined figures indicate maximum static efficiency.
Regular face to left of Class 32 = Class 22
Regular face in light shaded area = Class 32
Italic face to right of Class 32 = Class 45

RBW 933

Fan Efficiency Grade = FEG67

CFM	OV	1" SP		2" SP		4" SP		6" SP		8" SP		12" SP		16" SP		20" SP		24" SP		28" SP		32" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
4428	1200	320	1.18	430	2.25	592	4.66	719	7.41														
5904	1600	342	1.74	448	3.11	605	6.02	729	9.21	834	12.60	1013	20.13										
7380	2000	366	2.46	469	4.14	620	7.57	741	11.23	845	15.12	1021	23.45	1171	32.54								
8856	2400	393	3.40	492	5.38	639	9.41	757	13.59	858	17.91	1032	27.22	1180	37.14	1311	47.66	1430	58.79	1539	70.39		
10332	2800	422	4.57	516	6.86	661	11.52	775	16.25	874	21.09	1045	31.36	1191	42.21	1320	53.52	1438	65.46	1546	77.79	1647	90.66
11808	3200	453	6.04	542	8.62	684	13.93	796	19.26	893	24.71	1059	35.79	1203	47.59	1332	60.02	1448	72.73	1555	85.89	1655	99.52
13284	3600	486	7.85	570	10.72	707	16.61	818	22.56	913	28.60	1077	40.92	1218	53.57	1344	66.77	1459	80.45	1565	94.49	1664	108.93
14760	4000	521	10.06	599	13.16	731	19.64	841	26.26	935	32.90	1096	46.42	1234	60.01	1358	74.06	1472	88.75	1577	103.74	1675	119.07
16236	4400	557	12.68	630	16.05	757	23.12	864	30.31	958	37.65	1116	52.26	1252	67.04	1374	82.05	1486	97.50	1590	113.46	1687	129.72
17712	4800	594	15.76	662	19.37	784	27.02	888	34.80	980	42.67	1137	58.50	1272	74.65	1392	90.74	1502	107.07	1604	123.72		
19188	5200	632	19.37	696	23.26	813	31.51	914	39.87	1004	48.34	1160	65.44	1292	82.52	1411	99.93	1520	117.44	1620	134.88		
20664	5600	671	23.57	731	27.70	842	36.41	940	45.34	1028	54.40	1182	72.68	1314	91.10	1431	109.60	1538	128.15	1638	146.95		
22140	6000	710	28.31	766	32.63	872	41.88	968	51.52	1054	61.20	1205	80.57	1336	100.14	1452	119.82	1558	139.65	1656	159.39		
23616	6400	750	33.75	803	38.35	903	47.96	996	58.17	1080	68.44	1228	88.93	1359	109.95	1474	130.72	1578	151.46	1675	172.42		
25092	6800	790	39.82	840	44.65	936	54.88	1026	65.67	1107	76.35	1253	98.21	1381	120.08	1496	142.15	1600	164.26	1696	186.40		
26568	7200	831	46.73	878	51.74	969	62.35	1056	73.73	1135	84.98	1278	108.00	1404	130.99	1518	154.20	1621	177.27				

MAXIMUM RPM: CLASS 22 = 1449 CLASS 32 = 1696

Performance certified is for installation type B & D: Free or ducted inlet, ducted outlet.
Power ratings (BHP) do not include transmission losses.
Performance ratings do not include the effects of appurtenances (accessories).

Underlined figures indicate maximum static efficiency.
Regular face to left of Class 32 = Class 22
Regular face in light shaded area = Class 32
Italic face to right of Class 32 = Class 45

TCF
TWIN CITY FAN

937

Wheel Diameter: 64.375"
Tip Speed (FPM): 16.85 x RPM

Inlet Area: 7.46 ft²
Inlet Diameter: 37" O.D.

Outlet Area: 7.51 ft²
Outlet Dimension: 31" x 34 13/16"

RBO/R 937

RBO wheel used for Class 22; RBR wheel used for Class 32 and 45.

Fan Efficiency Grade = FEG71

CFM	OV	1" SP		2" SP		4" SP		6" SP		8" SP		12" SP		16" SP		20" SP		24" SP		28" SP		32" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
9012	1200	217	2.36	295	4.54	412	9.29	503	14.33														
12016	1600	233	3.52	304	6.21	416	12.17	505	18.42	581	24.84	710	38.65										
15020	2000	252	5.06	318	8.30	422	15.15	509	22.67	584	30.49	711	46.38	819	63.12								
18024	2400	273	7.05	335	10.84	433	18.75	515	27.12	589	36.26	714	54.87	820	73.62	915	93.32	1000	113.46	1078	134.40		
21028	2800	295	9.51	354	13.95	448	23.08	526	32.47	595	42.20	718	63.29	824	85.21	917	106.95	1001	128.94	1079	151.76	1151	174.97
24032	3200	320	12.76	375	17.77	464	27.86	539	38.42	605	49.08	723	71.86	828	96.43	920	121.00	1004	145.79	1081	170.63	1153	195.99
27036	3600	347	16.89	397	22.28	483	33.66	555	45.32	619	57.21	731	81.38	833	107.86	924	134.91	1007	162.50	1084	190.29	1155	217.76
30040	4000	374	21.76	420	27.58	502	40.06	572	52.89	634	66.00	743	92.47	840	120.12	929	149.14	1011	179.05	1087	209.52	1158	240.08
33044	4400	403	27.85	445	34.01	523	47.60	590	61.35	650	75.48	756	104.29	849	133.35	936	164.41	1016	196.08	1092	229.34	1162	262.36
36048	4800	432	34.93	470	41.26	545	56.18	610	71.18	668	86.26	771	117.37	862	148.79	945	180.87	1023	214.35	1097	249.21	1166	284.25
39052	5200	461	43.07	497	49.97	567	65.60	630	81.81	686	97.83	786	130.87	876	165.23	956	198.76	1032	234.03	1103	269.79	1172	307.67
42056	5600	491	52.66	525	60.10	590	76.27	651	93.68	706	111.11	803	145.95	890	182.16	970	219.00	1043	255.40	1112	292.69	1178	331.15
45060	6000	522	63.91	553	71.43	614	88.30	673	106.95	726	125.30	821	162.44	906	200.78	984	239.80	1055	277.92	1123	317.50	1187	357.27
48064	6400	552	76.19	582	84.47	639	101.86	695	121.25	748	141.57	840	180.55	923	220.80	999	261.88	1069	302.55	1135	343.64	*1198*	*385.57*
51068	6800	583	90.38	611	98.95	665	117.12	718	137.17	769	158.38	860	200.39	940	241.73	1015	285.34	1084	328.68	1149	372.19	*1210*	*415.36*
54072	7200	614	106.20	640	114.93	692	134.29	741	154.24	791	176.95	880	221.36	959	265.35	1031	309.58	1099	355.40	1163	401.39	*1223*	*446.74*

CFM	OV	33" SP		34" SP		35" SP		36" SP		37" SP		38" SP		40" SP		42" SP		44" SP		46" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
22530	3000	1169	191.34	*1186*	*197.51*	*1203*	*203.85*	*1220*	*210.36*	*1236*	*216.51*	*1252*	*222.81*	*1284*	*235.89*	*1315*	*249.04*				
27036	3600	1172	224.62	*1189*	*231.65*	*1206*	*238.85*	*1222*	*245.62*	*1238*	*252.53*	*1254*	*259.60*	*1285*	*273.58*	*1316*	*288.17*	*1346*	*302.70*	*1375*	*317.13*
31542	4200	1177	259.34	*1194*	*267.50*	*1210*	*275.15*	*1226*	*282.94*	*1242*	*290.88*	*1258*	*298.99*	*1289*	*314.92*	*1319*	*330.71*	*1349*	*347.08*	*1377*	*362.47*
36048	4800	*1183*	*293.36*	*1200*	*302.67*	*1216*	*311.43*	*1232*	*320.38*	*1248*	*329.52*	*1263*	*338.05*	*1294*	*356.40*	*1324*	*374.52*	*1353*	*392.33*	*1382*	*410.69*
40554	5400	*1191*	*328.78*	*1207*	*338.35*	*1223*	*348.12*	*1239*	*358.10*	*1255*	*368.27*	*1270*	*377.77*	*1300*	*397.29*	*1330*	*417.55*	*1359*	*437.59*	*1387*	*457.34*
45060	6000	*1203*	*367.75*	*1218*	*377.51*	*1234*	*388.40*	*1249*	*398.55*	*1264*	*408.89*	*1279*	*419.42*	*1308*	*440.06*	*1337*	*461.41*	*1366*	*483.52*	*1394*	*505.28*
49566	6600	*1219*	*411.07*	*1234*	*421.94*	*1248*	*431.98*	*1263*	*443.25*	*1277*	*453.66*	*1292*	*465.33*	*1320*	*487.10*	*1348*	*509.58*	*1376*	*532.77*	*1403*	*555.54*
54072	7200	*1238*	*458.60*	*1252*	*469.56*	*1267*	*481.85*	*1281*	*493.21*	*1295*	*504.74*	*1308*	*515.30*	*1336*	*539.31*	*1362*	*561.65*	*1389*	*585.91*	*1415*	*609.64*

MAXIMUM RPM: CLASS 22 = 1009 CLASS 32 = 1187 CLASS 45 = 1424

RBA 937

Fan Efficiency Grade = FEG80

CFM	OV	1" SP		2" SP		4" SP		6" SP		8" SP		12" SP		16" SP		20" SP		24" SP		28" SP		32" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
9012	1200	217	2.10	294	4.18																		
12016	1600	233	3.02	303	5.53	414	11.20																
15020	2000	252	4.18	318	7.24	421	13.75	507	20.90														
18024	2400	273	5.60	335	9.23	433	16.74	514	24.73	586	33.23												
21028	2800	294	7.27	355	11.67	448	20.18	525	29.03	594	38.46	715	58.36										
24032	3200	317	9.40	375	14.31	465	24.08	539	33.92	605	44.20	721	65.82	824	88.80								
27036	3600	341	11.98	396	17.36	483	28.40	555	39.37	618	50.46	730	73.82	830	98.84	920	124.41						
30040	4000	366	15.07	418	20.97	503	33.35	572	45.31	633	57.36	742	82.75	838	109.18	926	136.94	1007	165.22				
33044	4400	391	18.62	441	25.18	523	38.59	591	52.06	650	65.09	755	92.13	848	120.18	934	149.89	1013	180.16	1087	211.04	1157	242.29
36048	4800	417	22.84	464	29.88	544	44.42	610	59.16	668	73.51	770	102.43	860	132.12	943	163.13	1020	195.11	1093	228.34	1161	261.49
39052	5200	444	27.81	488	35.29	565	50.78	630	66.88	687	82.65	786	113.44	874	145.13	955	177.99	1030	211.56	1100	245.72	1167	281.07
42056	5600	471	33.44	513	41.49	587	58.03	651	75.32	706	92.20	803	125.29	890	159.43	968	193.56	1041	228.70	1110	264.87	1175	301.58
45060	6000	498	39.78	538	48.35	610	66.23	672	84.32	726	102.49	822	138.57	906	174.14	982	209.93	1053	246.60	1121	284.83	*1185*	*323.45*
48064	6400	526	47.11	564	56.19	633	75.10	693	94.00	747	113.68	841	152.38	923	189.90	998	227.94	1067	266.09	1133	305.69	*1195*	*345.36*
51068	6800	554	55.28	589	64.47	656	84.67	715	104.85	767	125.00	860	166.67	941	206.81	1014	246.42	1082	286.67	1146	327.49	*1207*	*369.12*
54072	7200	582	64.34	616	74.23	680	95.34	737	116.47	789	138.06	880	182.00	959	224.26	1031	266.15	1098	308.48	1161	351.32	*1221*	*394.93*

CFM	OV	33" SP		34" SP		35" SP		36" SP		37" SP		38" SP		40" SP		42" SP		44" SP		46" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
36048	4800	1178	270.23	*1194*	*278.43*	*1210*	*286.76*	*1226*	*295.23*	*1242*	*303.82*	*1258*	*312.56*								
40554	5400	*1187*	*300.49*	*1203*	*309.79*	*1218*	*318.49*	*1234*	*328.13*	*1249*	*337.15*	*1264*	*346.31*	*1294*	*365.12*	*1324*	*384.53*	*1352*	*402.75*	*1381*	*422.33*
45060	6000	*1200*	*332.80*	*1215*	*342.32*	*1231*	*352.89*	*1246*	*362.80*	*1260*	*371.99*	*1275*	*382.23*	*1304*	*402.35*	*1332*	*422.16*	*1360*	*442.59*	*1387*	*462.63*
49566	6600	*1216*	*367.56*	*1231*	*378.06*	*1246*	*388.77*	*1260*	*398.75*	*1275*	*409.86*	*1289*	*420.20*	*1317*	*441.39*	*1344*	*462.26*	*1371*	*483.77*	*1398*	*505.94*
54072	7200	*1235*	*405.36*	*1249*	*415.97*	*1264*	*427.78*	*1278*	*438.75*	*1291*	*448.87*	*1305*	*460.19*	*1332*	*482.31*	*1359*	*505.13*	*1385*	*527.53*	*1411*	*550.60*

MAXIMUM RPM: CLASS 22 = 983 CLASS 32 = 1184 CLASS 45 = 1424

Performance certified is for installation type B & D: Free or ducted inlet, ducted outlet.
Power ratings (BHP) do not include transmission losses.
Performance ratings do not include the effects of appurtenances (accessories).

Underlined figures indicate maximum static efficiency.
Regular face to left of Class 32 = Class 22
Regular face in light shaded area = Class 32
Italic face to right of Class 32 = Class 45

RBW 937

Fan Efficiency Grade = FEG67

CFM	OV	1" SP		2" SP		4" SP		6" SP		8" SP		12" SP		16" SP		20" SP		24" SP		28" SP		32" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
9012	1200	224	2.39	302	4.60	415	9.49	504	15.09														
12016	1600	240	3.55	314	6.33	424	12.24	511	18.73	585	25.69	710	40.95										
15020	2000	257	5.03	329	8.44	435	15.44	520	22.92	592	30.72	716	47.78	821	66.26								
18024	2400	275	6.88	345	10.96	448	19.15	531	27.71	602	36.55	723	55.31	827	75.55	919	97.01	1002	119.51	1079	143.33		
21028	2800	296	9.33	362	13.99	463	23.40	544	33.21	613	42.99	732	63.68	835	85.94	925	108.81	1008	133.22	1084	158.46	1155	184.76
24032	3200	317	12.23	380	17.55	479	28.26	558	39.20	626	50.30	743	73.04	844	97.12	933	121.88	1015	148.03	1090	174.80	1160	202.48
27036	3600	341	16.01	400	21.89	495	33.69	574	46.06	640	58.20	755	83.29	853	108.72	942	135.85	1023	163.87	1097	192.29	1167	222.03
30040	4000	365	20.43	420	26.80	513	40.11	589	53.31	655	66.83	768	94.38	865	122.13	952	150.77	1032	180.71	1106	211.46	1174	242.25
33044	4400	390	25.71	442	32.75	531	47.15	606	61.80	671	76.43	782	106.25	878	136.61	963	166.91	1042	198.64	1115	231.20	1183	264.32
36048	4800	417	32.23	464	39.41	550	55.13	623	71.00	687	86.86	797	119.07	891	151.61	976	184.81	1053	217.99	1124	251.55		
39052	5200	443	39.43	488	47.37	570	64.16	641	81.27	704	98.47	813	133.11	906	168.13	989	203.33	1065	238.70	1136	274.82		
42056	5600	470	47.86	512	56.24	590	74.02	659	92.32	721	110.91	829	148.15	921	185.36	1003	223.00	1078	260.75	1148	298.93		
45060	6000	498	57.72	537	66.43	611	85.13	679	105.08	739	124.63	845	164.17	937	204.13	1018	243.99	1092	284.13	1161	324.55		
48064	6400	526	68.79	563	78.09	633	97.62	698	118.30	757	139.26	861	181.13	952	223.34	1033	265.86	1106	308.13	1174	350.80		
51068	6800	554	81.14	589	90.96	656	111.63	719	133.55	776	155.39	878	199.67	968	244.35	1049	289.60	1121	333.80				
54072	7200	582	94.85	616	105.58	679	126.76	740	149.93	796	173.20	896	219.92	984	266.45	1064	313.76	1137	361.48				

MAXIMUM RPM: CLASS 22 = 1015 CLASS 32 = 1188

Performance certified is for installation type B & D: Free or ducted inlet, ducted outlet.
Power ratings (BHP) do not include transmission losses.
Performance ratings do not include the effects of appurtenances (accessories).

Underlined figures indicate maximum static efficiency.
Regular face to left of Class 32 = Class 22
Regular face in light shaded area = Class 32
Italic face to right of Class 32 = Class 45

TCF
TWIN CITY FAN

941

Wheel Diameter: 71.25"
Tip Speed (FPM): 18.65 x RPM

Inlet Area: 9.16 ft²
Inlet Diameter: 41" O.D.

Outlet Area: 9.20 ft²
Outlet Dimension: 34 5/16" x 38 9/16"

RBO/R 941

RBO wheel used for Class 22;
RBR wheel used for Class 32 and 45.

Fan Efficiency Grade = FEG71

CFM	OV	1" SP		2" SP		4" SP		6" SP		8" SP		12" SP		16" SP		20" SP		24" SP		28" SP		32" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
11040	1200	196	2.88	267	5.59	372	11.36	454	17.50														
14720	1600	210	4.28	274	7.55	376	14.92	456	22.52	525	30.43	641	47.24										
18400	2000	227	6.14	287	10.13	381	18.51	460	27.79	528	37.43	642	56.71	740	77.33								
22080	2400	247	8.67	303	13.32	392	23.10	466	33.37	532	44.37	645	67.18	741	90.24	826	114.02	903	138.76	974	164.65		
25760	2800	267	11.71	320	17.12	405	28.32	475	39.71	538	51.81	649	77.63	744	104.18	828	130.77	905	158.27	975	185.98	1040	214.38
29440	3200	289	15.61	339	21.80	420	34.32	487	47.07	547	60.25	654	88.34	748	118.07	831	148.11	907	178.53	977	209.22	1042	240.27
33120	3600	313	20.59	359	27.36	436	41.12	501	55.37	559	69.98	661	99.94	752	131.80	835	165.36	910	199.17	979	232.83	1044	267.10
36800	4000	338	26.68	379	33.66	454	49.22	517	64.86	573	80.92	671	113.12	759	147.18	839	182.47	914	219.74	983	257.37	1047	294.72
40480	4400	364	34.09	402	41.65	473	58.48	533	75.12	587	92.33	683	127.73	768	163.94	845	200.92	918	240.23	986	280.41	1050	321.51
44160	4800	390	42.69	425	50.67	492	68.65	551	87.13	603	105.38	696	143.41	779	182.39	854	221.71	924	262.34	991	305.16	1054	348.72
47840	5200	417	52.95	449	61.20	512	80.23	569	100.10	620	119.96	711	160.89	791	202.05	864	243.70	932	286.31	997	330.93	1058	375.93
51520	5600	444	64.68	474	73.46	533	93.39	589	115.23	638	136.19	726	179.15	804	223.05	876	267.91	942	312.51	1005	358.86	1065	406.43
55200	6000	471	77.97	500	87.69	555	108.31	608	130.97	656	153.54	742	199.16	819	246.34	889	293.71	954	341.31	1014	388.22	*1073*	*438.32*
58880	6400	499	93.48	526	103.57	577	124.56	628	148.58	675	172.79	759	221.22	834	270.54	902	320.16	966	370.80	1026	421.61	*1082*	*471.81*
62560	6800	527	110.88	552	121.18	601	143.59	648	167.48	695	194.19	777	245.46	850	296.86	917	349.47	979	402.14	1038	455.76	*1093*	*508.48*
66240	7200	555	130.27	579	141.34	625	164.32	670	189.37	715	217.06	795	271.08	866	324.53	932	379.83	993	435.43	1051	492.03	*1105*	*547.27*

CFM	OV	33" SP		34" SP		35" SP		36" SP		37" SP		38" SP		40" SP		42" SP		44" SP		46" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
27600	3000	1056	234.26	1072	242.25	*1087*	*249.78*	*1102*	*257.49*	*1117*	*265.41*	*1131*	*272.81*	*1160*	*288.90*	*1188*	*305.00*				
33120	3600	1059	275.23	*1074*	*283.57*	*1089*	*292.09*	*1104*	*300.81*	*1119*	*309.74*	*1133*	*318.02*	*1161*	*335.14*	*1189*	*353.00*	*1216*	*370.70*	*1242*	*388.20*
38640	4200	1063	317.31	*1079*	*327.89*	*1093*	*336.84*	*1108*	*346.89*	*1123*	*357.15*	*1137*	*366.64*	*1165*	*386.16*	*1192*	*405.40*	*1219*	*425.35*	*1245*	*444.96*
44160	4800	1069	359.52	*1084*	*370.57*	*1099*	*381.87*	*1113*	*392.35*	*1127*	*403.05*	*1142*	*415.06*	*1169*	*436.44*	*1196*	*458.50*	*1223*	*481.27*	*1248*	*502.33*
49680	5400	*1076*	*402.68*	*1091*	*415.02*	*1105*	*426.47*	*1119*	*438.15*	*1134*	*451.25*	*1147*	*462.22*	*1175*	*487.23*	*1202*	*511.94*	*1228*	*536.23*	*1253*	*560.03*
55200	6000	*1087*	*450.59*	*1101*	*463.12*	*1115*	*475.89*	*1128*	*487.61*	*1142*	*500.86*	*1156*	*514.35*	*1182*	*539.37*	*1208*	*565.26*	*1234*	*592.05*	*1259*	*618.25*
60720	6600	*1101*	*503.05*	*1115*	*516.99*	*1128*	*529.78*	*1141*	*542.80*	*1154*	*556.06*	*1167*	*569.56*	*1193*	*597.25*	*1218*	*624.36*	*1243*	*652.32*	*1267*	*679.54*
66240	7200	*1118*	*560.98*	*1131*	*574.94*	*1144*	*589.13*	*1157*	*603.58*	*1170*	*618.27*	*1182*	*631.60*	*1207*	*660.55*	*1231*	*688.74*	*1255*	*717.80*	*1278*	*746.00*

MAXIMUM RPM: CLASS 22 = 911 CLASS 32 = 1072 CLASS 45 = 1286

RBA 941

Fan Efficiency Grade = FEG80

CFM	OV	1" SP		2" SP		4" SP		6" SP		8" SP		12" SP		16" SP		20" SP		24" SP		28" SP		32" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
11040	1200	196	2.57	266	5.15																		
14720	1600	210	3.68	274	6.80	374	13.71																
18400	2000	228	5.15	287	8.85	381	16.93	458	25.59														
22080	2400	246	6.80	303	11.34	391	20.48	465	30.41	530	40.83												
25760	2800	266	8.94	320	14.19	405	24.76	474	35.49	537	47.20	646	71.49										
29440	3200	287	11.59	339	17.56	420	29.47	487	41.55	546	53.96	652	80.85	745	109.00								
33120	3600	308	14.66	358	21.30	437	34.93	501	48.10	558	61.69	660	90.61	750	121.12	831	152.28						
36800	4000	330	18.35	378	25.75	454	40.73	517	55.56	572	70.30	670	101.19	757	133.68	836	167.36	910	202.51				
40480	4400	353	22.76	398	30.75	473	47.41	534	63.78	587	79.63	682	112.78	766	147.13	843	183.05	915	220.52	982	258.44	1045	296.50
44160	4800	377	28.03	420	36.81	491	54.25	551	72.42	604	90.25	696	125.64	777	161.84	852	199.83	922	239.34	987	279.26	1049	320.36
47840	5200	401	34.03	441	43.25	511	62.40	569	81.84	621	101.39	710	138.88	790	178.01	863	218.16	931	259.49	994	301.14	1055	344.91
51520	5600	425	40.81	463	50.66	531	71.34	588	92.18	638	113.01	726	153.79	804	195.21	874	236.63	940	279.67	1003	324.58	1062	369.83
55200	6000	450	48.74	486	59.20	551	81.07	607	103.21	656	125.59	742	169.28	818	212.87	888	257.83	952	302.68	1013	349.10	1070	395.51
58880	6400	475	57.62	509	68.59	572	92.04	626	115.08	675	139.31	760	186.77	834	232.68	902	279.51	964	325.92	1024	374.82	*1080*	*423.44*
62560	6800	501	67.91	533	79.35	593	103.88	646	128.43	693	153.14	777	204.16	850	253.16	916	301.71	978	351.60	1036	401.86	*1091*	*452.75*
66240	7200	526	78.89	556	90.66	614	116.58	666	142.75	712	168.50	795	222.88	867	275.23	931	325.50	992	377.83	1049	430.41	*1103*	*483.54*

CFM	OV	33" SP		34" SP		35" SP		36" SP		37" SP		38" SP		40" SP		42" SP		44" SP		46" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
44160	4800	1064	330.72	*1079*	*341.28*	*1094*	*352.01*	*1108*	*361.95*	*1122*	*372.03*	*1136*	*382.27*								
49680	5400	*1073*	*368.66*	*1087*	*379.58*	*1101*	*390.71*	*1115*	*402.04*	*1129*	*413.59*	*1142*	*424.21*	*1169*	*447.12*	*1196*	*470.77*	*1222*	*493.94*	*1247*	*516.44*
55200	6000	*1084*	*407.45*	*1098*	*419.62*	*1112*	*432.05*	*1125*	*443.52*	*1139*	*456.40*	*1152*	*468.29*	*1178*	*492.66*	*1204*	*517.85*	*1229*	*542.49*	*1254*	*567.87*
60720	6600	*1099*	*450.67*	*1112*	*462.86*	*1126*	*476.54*	*1139*	*489.21*	*1152*	*502.12*	*1165*	*515.24*	*1190*	*540.82*	*1215*	*567.24*	*1239*	*593.04*	*1263*	*619.63*
66240	7200	*1116*	*496.79*	*1129*	*510.26*	*1142*	*523.98*	*1154*	*536.52*	*1167*	*550.68*	*1179*	*563.63*	*1204*	*591.61*	*1228*	*619.00*	*1252*	*647.24*	*1275*	*674.73*

MAXIMUM RPM: CLASS 22 = 888 CLASS 32 = 1070 CLASS 45 = 1286

Performance certified is for installation type B & D: Free or ducted inlet, ducted outlet.
Power ratings (BHP) do not include transmission losses.
Performance ratings do not include the effects of appurtenances (accessories).

Underlined figures indicate maximum static efficiency.
Regular face to left of Class 32 = Class 22
Regular face in light shaded area = Class 32
Italic face to right of Class 32 = Class 45

RBW 941

Fan Efficiency Grade = FEG67

CFM	OV	1" SP		2" SP		4" SP		6" SP		8" SP		12" SP		16" SP		20" SP		24" SP		28" SP		32" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
11040	1200	203	2.96	272	5.58	375	11.64	455	18.44														
14720	1600	217	4.36	284	7.78	383	14.99	461	22.85	528	31.37	642	50.28										
18400	2000	232	6.15	297	10.31	393	18.91	469	27.93	535	37.66	647	58.56	742	81.25								
22080	2400	249	8.48	311	13.34	405	23.50	479	33.79	544	44.79	654	67.99	747	92.48	830	118.70	905	146.25	975	175.65		
25760	2800	267	11.37	327	17.12	419	28.80	491	40.56	554	52.71	662	78.24	754	105.10	836	133.42	911	163.34	979	193.87		
29440	3200	287	15.08	343	21.43	433	34.67	504	47.98	566	61.74	671	89.35	762	118.71	843	149.33	917	181.30	985	214.24		
33120	3600	308	19.60	361	26.72	448	41.48	518	56.22	578	71.21	682	101.97	771	133.34	851	166.36	924	200.55	991	235.45		
36800	4000	330	25.08	380	32.97	463	48.97	533	65.62	592	81.95	694	115.67	782	149.88	860	184.60	932	221.07	999	258.82		
40480	4400	353	31.67	399	40.01	480	57.84	547	75.49	606	93.52	707	130.41	793	167.18	870	204.41	941	242.99	1007	282.88		
44160	4800	376	39.24	419	48.20	497	67.56	563	87.03	621	106.55	720	145.80	805	185.71	882	226.53	951	266.72	1016	308.57		
47840	5200	400	48.20	441	58.07	515	78.60	579	99.48	636	120.59	734	162.70	818	205.53	894	249.45	962	292.20				
51520	5600	425	58.78	463	69.08	533	90.63	596	113.42	651	135.60	749	181.48	832	226.97	906	272.98	974	319.43				
55200	6000	450	70.73	485	81.28	552	104.26	613	128.42	667	152.21	763	200.75	846	249.54	919	298.15	987	348.46				
58880	6400	475	84.13	509	95.85	572	119.63	631	145.16	684	170.63	778	221.95	860	273.46	933	325.35	1000	378.29				
62560	6800	500	99.08	532	111.32	593	136.96	650	163.88	701	190.26	793	244.34	875	299.74	947	353.89	1013	409.12				
66240	7200	526	116.29	556	128.95	614	155.68	669	184.00	719	212.01	809	268.86	889	326.35	962	385.16						

MAXIMUM RPM: CLASS 22 = 917 CLASS 32 = 1024

Performance certified is for installation type B & D: Free or ducted inlet, ducted outlet.
Power ratings (BHP) do not include transmission losses.
Performance ratings do not include the effects of appurtenances (accessories).

Underlined figures indicate maximum static efficiency.
Regular face to left of Class 32 = Class 22
Regular face in light shaded area = Class 32
Italic face to right of Class 32 = Class 45

TCF
TWIN CITY FAN

945

Wheel Diameter: 78.25"
Tip Speed (FPM): 20.49 x RPM

Inlet Area: 11.04 ft²
Inlet Diameter: 45" O.D.

Outlet Area: 11.10 ft²
Outlet Dimension: 37 11/16" x 42 3/8"

RBO/R 945

RBO wheel used for Class 22;
RBR wheel used for Class 32.

Fan Efficiency Grade = FEG71

CFM	OV	1" SP		2" SP		4" SP		6" SP		8" SP		12" SP		16" SP		20" SP		24" SP		28" SP		32" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
13320	1200	179	3.51	243	6.74	339	13.74	414	21.21														
17760	1600	191	5.15	250	9.16	342	17.94	416	27.33	478	36.71	584	57.10										
22200	2000	207	7.44	261	12.18	347	22.35	419	33.57	481	45.23	585	68.57	673	92.97								
26640	2400	225	10.47	276	16.09	357	27.89	424	40.17	484	53.40	587	80.93	675	109.01	752	137.50	822	167.27	887	198.72		
31080	2800	243	14.11	291	20.57	368	33.96	433	48.08	490	62.56	591	93.68	678	126.00	754	157.82	824	190.92	888	224.54	947	258.67
35520	3200	263	18.80	309	26.38	382	41.26	444	57.00	498	72.66	595	106.31	681	142.40	757	178.93	826	215.50	889	251.91	948	289.15
39960	3600	285	24.84	327	33.04	397	49.61	456	66.72	509	84.43	602	120.65	685	159.20	760	199.26	829	240.65	892	281.44	950	321.63
44400	4000	308	32.26	346	40.93	413	59.21	470	77.87	521	97.21	611	136.49	691	177.48	764	220.18	832	264.88	895	310.44	953	355.20
48840	4400	331	40.95	366	50.22	431	70.70	485	90.45	535	111.70	622	154.17	699	197.53	770	242.95	836	289.95	898	338.53	956	387.80
53280	4800	355	51.44	387	61.13	448	82.82	502	105.29	549	127.09	634	173.22	709	219.75	777	266.86	842	317.24	902	367.73	959	419.78
57720	5200	380	64.02	409	73.91	466	96.66	518	120.69	565	145.07	647	193.74	720	243.51	787	294.33	849	345.87	908	399.50	964	454.45
62160	5600	404	77.85	432	88.86	485	112.43	536	138.77	581	164.35	661	216.07	733	270.10	798	323.65	858	377.37	915	432.81	969	489.23
66600	6000	429	94.14	455	105.58	505	130.38	554	158.33	598	185.85	676	240.66	745	296.31	809	353.71	868	410.83	924	469.43		
71040	6400	454	112.49	479	124.97	526	150.78	572	179.40	615	208.84	691	266.76	759	325.87	822	387.22	880	447.97	934	508.29		
75480	6800	480	133.86	503	146.51	547	172.99	591	203.02	633	234.45	707	295.50	774	358.18	835	421.64	892	486.09	945	549.58		
79920	7200	505	156.80	527	170.28	569	198.12	610	228.37	651	261.80	724	327.17	789	392.20	849	458.83	904	525.00	957	593.61		

MAXIMUM RPM: CLASS 22 = 837 CLASS 32 = 976

RBA 945

Fan Efficiency Grade = FEG80

CFM	OV	1" SP		2" SP		4" SP		6" SP		8" SP		12" SP		16" SP		20" SP		24" SP		28" SP		32" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
13320	1200	178	3.08	242	6.19																		
17760	1600	192	4.49	249	8.15	341	16.61																
22200	2000	207	6.15	261	10.63	347	20.44	417	30.87														
26640	2400	224	8.21	276	13.70	356	24.70	423	36.58	482	49.08												
31080	2800	242	10.76	292	17.23	368	29.68	432	42.93	489	56.95	588	86.15										
35520	3200	261	13.93	309	21.24	382	35.43	443	49.98	498	65.43	593	97.20	678	131.30								
39960	3600	281	17.79	326	25.70	398	42.17	456	57.95	508	74.39	601	109.34	683	146.18	757	183.96						
44400	4000	301	22.25	344	31.01	414	49.36	471	67.13	521	84.89	610	122.03	689	161.07	762	202.53	828	243.78				
48840	4400	322	27.60	363	37.27	430	56.91	486	76.83	535	96.33	621	136.06	698	177.89	768	221.18	833	265.89	894	311.63	952	358.25
53280	4800	343	33.72	382	44.25	448	65.84	502	87.51	550	108.89	634	151.75	708	195.67	776	241.27	839	288.20	899	337.24	955	386.29
57720	5200	365	41.00	402	52.35	465	75.13	518	98.66	565	122.02	647	167.93	719	214.44	785	262.38	847	312.26	905	363.19	960	415.29
62160	5600	387	49.23	422	61.29	483	85.79	535	110.94	581	136.38	661	185.48	732	235.42	796	285.66	856	337.49	913	391.22	967	446.17
66600	6000	410	58.90	443	71.63	502	97.95	553	124.70	598	152.01	676	204.55	745	256.97	808	310.39	867	365.34	922	420.62		
71040	6400	433	69.74	464	83.02	521	111.13	570	138.81	614	167.53	692	225.29	759	280.25	821	336.80	878	393.50	932	451.61		
75480	6800	456	81.81	485	95.52	540	125.33	588	154.76	631	184.71	708	246.81	774	305.44	834	363.89	891	424.86	943	484.28		
79920	7200	479	95.18	507	109.83	559	140.56	606	171.83	649	203.91	724	268.99	789	331.45	848	393.06	903	455.40	955	518.97		

MAXIMUM RPM: CLASS 22 = 809 CLASS 32 = 974

RBW 945

Fan Efficiency Grade = FEG67

CFM	OV	1" SP		2" SP		4" SP		6" SP		8" SP		12" SP		16" SP		20" SP		24" SP		28" SP		32" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
13320	1200	185	3.57	248	6.76	342	14.10	415	22.36														
17760	1600	197	5.21	258	9.32	349	18.12	420	27.61	481	37.90	584	60.48										
22200	2000	211	7.39	270	12.38	358	22.85	427	33.69	487	45.39	589	70.60	675	97.74								
26640	2400	227	10.27	284	16.23	369	28.41	436	40.72	495	53.93	595	81.82	680	111.48	756	143.34	824	176.40	888	212.05		
31080	2800	243	13.69	298	20.71	381	34.61	447	48.90	504	63.42	603	94.49	687	127.04	761	160.82	829	196.69	892	234.34	950	272.87
35520	3200	261	18.12	313	26.03	394	41.75	459	57.91	515	74.33	611	107.80	694	143.31	768	180.44	835	218.74	897	258.57	954	298.95
39960	3600	280	23.53	329	32.33	408	50.07	472	67.97	527	86.25	621	123.02	702	160.84	775	200.79	842	242.51	903	284.66	960	328.05
44400	4000	300	30.11	346	39.77	422	59.26	485	79.00	539	98.84	632	139.60	712	180.78	783	222.65	849	267.05	910	312.62	966	358.20
48840	4400	321	38.05	363	48.14	437	69.75	498	91.03	552	112.95	643	156.78	722	201.63	793	247.38	857	293.33	917	341.36	973	390.35
53280	4800	343	47.60	382	58.36	452	81.21	512	104.61	565	128.24	656	176.22	733	224.05	803	273.18	866	321.85	925	372.13		
57720	5200	365	58.52	401	69.76	469	94.86	527	119.87	579	145.40	669	196.86	745	248.12	814	300.90	876	352.59	934	405.40		
62160	5600	387	70.91	421	82.98	486	109.80	542	136.31	593	163.77	682	218.94	758	274.27	825	329.38	887	385.55	945	442.57		
66600	6000	410	85.47	442	98.31	503	126.05	558	154.78	608	184.22	695	242.45	771	301.84	837	359.95	898	419.39	955	479.44		
71040	6400	433	101.83	463	115.27	521	144.46	575	175.53	623	206.03	708	267.31	784	331.08	850	393.14	910	455.54	966	518.71		
75480	6800	456	120.08	485	134.77	540	165.26	592	197.85	639	230.29	722	294.70	797	361.98	863	427.99	923	494.55	978	560.55		
79920	7200	479	140.32	507	156.22	559	187.73	609	221.79	655	256.13	737	324.83	810	394.47	876	464.76	935	533.53				

MAXIMUM RPM: CLASS 22 = 835 CLASS 32 = 978

Performance certified is for installation type B & D: Free or ducted inlet, ducted outlet.
Power ratings (BHP) do not include transmission losses.
Performance ratings do not include the effects of appurtenances (accessories).

Underlined figures indicate maximum static efficiency.
Regular face to left of Class 32 = Class 22
Regular face in light shaded area = Class 32

949

Wheel Diameter: 85.25"
Tip Speed (FPM): 22.32 x RPM

Inlet Area: 13.09 ft²
Inlet Diameter: 49" O.D.

Outlet Area: 13.17 ft²
Outlet Dimension: 41" x 46⅛"

RBO/R 949

RBO wheel used for Class 22;
RBR wheel used for Class 32.

Fan Efficiency Grade = FEG71

CFM	OV	1" SP		2" SP		4" SP		6" SP		8" SP		12" SP		16" SP		20" SP		24" SP		28" SP		32" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
15804	1200	164	4.14	223	7.99	311	16.28	380	25.17														
21072	1600	176	6.18	229	10.81	314	21.31	381	32.21	439	43.63	536	67.73										
26340	2000	190	8.83	240	14.53	319	26.64	384	39.64	441	53.48	537	81.38	618	110.45								
31608	2400	206	12.33	253	19.02	327	32.88	389	47.60	444	63.25	539	96.13	620	129.61	691	163.68	755	198.87	814	235.66		
36876	2800	223	16.73	267	24.39	338	40.37	397	56.86	449	73.85	542	110.87	622	149.27	692	187.19	756	226.23	815	266.35	869	306.68
42144	3200	242	22.48	283	31.10	351	49.11	407	67.37	457	86.15	546	126.05	625	168.90	695	212.45	758	255.52	816	298.90	871	344.09
47412	3600	262	29.61	300	39.15	364	58.67	419	79.42	467	100.06	552	142.72	629	189.12	698	236.84	761	285.63	818	333.02	872	381.63
52680	4000	283	38.40	317	48.30	379	70.21	432	92.79	478	115.19	561	162.10	634	210.34	702	262.08	764	314.68	821	367.67	875	421.83
57948	4400	304	48.69	336	59.63	395	83.51	446	107.93	491	132.49	571	183.01	641	233.73	707	288.56	767	343.58	824	401.30	877	459.37
63216	4800	326	61.14	355	72.41	411	98.13	460	124.31	504	150.88	582	205.61	651	261.02	713	316.39	772	375.17	828	436.44	881	499.37
68484	5200	348	75.46	375	87.43	428	114.92	476	143.70	518	171.55	594	230.04	661	289.12	722	348.70	779	409.95	833	473.28	885	539.53
73752	5600	371	92.53	396	105.03	445	133.27	492	164.69	533	194.71	607	256.75	672	319.35	732	383.30	787	446.86	840	513.81	890	581.61
79020	6000	394	111.92	418	125.63	463	154.20	508	187.32	549	220.68	620	284.91	684	351.88	743	420.44	797	488.00	848	556.77	896	625.82
84288	6400	417	133.78	439	147.64	482	178.04	525	212.86	565	248.49	634	316.16	697	387.23	754	458.57	807	530.11	857	602.48		
89556	6800	440	158.25	461	173.09	502	205.19	542	240.31	581	278.19	649	350.75	710	424.23	766	499.49	818	575.21	867	651.24		
94824	7200	464	186.67	483	201.19	522	234.75	560	271.14	597	309.83	664	387.29	724	465.00	779	543.86	830	623.50	878	703.38		

MAXIMUM RPM: CLASS 22 = 757 CLASS 32 = 896

RBA 949

Fan Efficiency Grade = FEG80

CFM	OV	1" SP		2" SP		4" SP		6" SP		8" SP		12" SP		16" SP		20" SP		24" SP		28" SP		32" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
15804	1200	164	3.70	222	7.34																		
21072	1600	176	5.31	229	9.73	313	19.71																
26340	2000	190	7.30	240	12.68	318	24.14	383	36.70														
31608	2400	206	9.80	253	16.19	327	29.37	388	43.32	443	58.47												
36876	2800	222	12.75	268	20.44	338	35.29	397	51.13	449	67.65	540	102.39										
42144	3200	240	16.62	283	25.04	351	42.18	407	59.48	457	77.59	545	115.78	622	155.55								
47412	3600	258	21.13	299	30.43	365	49.91	419	68.99	467	88.68	552	129.99	627	173.52	695	218.44						
52680	4000	276	26.32	316	36.89	380	58.57	432	79.49	478	100.60	560	144.88	633	191.65	699	239.88	760	289.26				
57948	4400	295	32.58	333	44.16	395	67.70	446	91.12	491	114.27	570	161.46	641	211.41	705	262.53	765	316.00	821	370.33	874	425.35
63216	4800	315	40.09	351	52.68	411	78.02	461	104.00	504	128.58	582	180.14	650	232.33	712	285.97	770	341.85	825	399.91	877	459.03
68484	5200	335	48.65	369	62.13	427	89.27	476	117.48	519	145.14	594	199.41	660	254.52	721	311.94	778	371.31	831	431.46	881	492.50
73752	5600	355	58.32	387	72.55	443	101.58	491	131.61	533	161.58	607	220.41	672	279.51	731	339.48	786	400.93	838	464.19	887	528.38
79020	6000	376	69.72	406	84.63	460	115.67	507	147.47	548	179.52	621	243.34	684	305.18	742	368.85	795	432.22	846	498.60		
84288	6400	397	82.49	426	98.61	478	131.71	523	164.55	564	199.27	635	267.14	697	333.03	753	398.75	806	467.12	855	535.01		
89556	6800	418	96.71	445	113.24	495	148.15	540	183.95	579	219.01	649	291.74	710	361.79	766	432.63	817	502.62	866	575.55		
94824	7200	440	113.23	465	130.04	513	166.72	556	203.66	595	241.14	664	318.44	724	393.00	778	465.79	829	540.71	877	616.74		

MAXIMUM RPM: CLASS 22 = 743 CLASS 32 = 894

RBW 949

Fan Efficiency Grade = FEG67

CFM	OV	1" SP		2" SP		4" SP		6" SP		8" SP		12" SP		16" SP		20" SP		24" SP		28" SP		32" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
15804	1200	169	4.18	228	8.06	314	16.75	381	26.54														
21072	1600	181	6.20	237	11.08	320	21.44	386	32.88	442	45.13	536	71.75										
26340	2000	194	8.82	248	14.73	328	26.96	392	39.99	447	53.86	541	83.95	620	116.23								
31608	2400	208	12.12	260	19.11	338	33.50	401	48.61	454	63.84	546	97.01	625	132.82	694	170.15	757	209.88	815	251.56		
36876	2800	223	16.24	273	24.43	350	41.17	410	57.90	463	75.44	553	111.83	630	150.33	699	191.24	761	233.47	818	277.31	872	323.81
42144	3200	240	21.62	287	30.79	362	49.68	421	68.57	473	88.36	561	128.04	637	170.04	705	214.16	766	259.12	823	306.43	876	355.15
47412	3600	257	27.92	302	38.37	374	59.18	433	80.52	483	101.89	570	145.98	645	191.43	712	238.91	772	286.82	829	337.97	881	389.04
52680	4000	276	35.98	317	46.93	387	70.13	445	93.64	495	117.47	580	165.56	653	213.99	719	264.52	779	316.54	835	370.60	887	425.50
57948	4400	295	45.32	333	57.03	401	82.70	457	107.95	507	134.28	591	186.79	663	239.57	727	292.47	787	348.56	842	405.49	893	463.03
63216	4800	315	56.57	350	68.88	415	96.45	470	124.16	519	152.52	602	208.97	673	266.08	737	324.08	795	382.06	849	441.50	900	503.04
68484	5200	335	69.44	368	82.74	430	112.19	484	142.49	531	172.09	614	233.53	684	294.66	747	356.83	804	418.27	858	482.22		
73752	5600	355	84.00	387	98.92	446	130.21	498	162.25	544	194.01	626	259.80	695	324.40	757	390.46	814	457.21	867	524.43		
79020	6000	376	101.17	406	116.92	462	149.88	512	183.48	558	218.52	638	287.78	707	357.12	768	426.68	825	499.00	877	569.73		
84288	6400	397	120.45	425	136.81	478	171.19	527	207.36	572	244.68	650	317.40	719	391.84	780	466.15	835	540.03	887	616.18		
89556	6800	418	141.95	445	159.75	495	195.33	543	234.28	586	272.54	663	350.15	731	428.56	792	507.61	847	586.42	897	663.62		
94824	7200	440	166.92	465	184.96	513	222.65	559	263.21	601	303.61	676	384.65	743	467.17	804	551.35	858	632.62				

MAXIMUM RPM: CLASS 22 = 767 CLASS 32= 900

Performance certified is for installation type B & D: Free or ducted inlet, ducted outlet.
Power ratings (BHP) do not include transmission losses.
Performance ratings do not include the effects of appurtenances (accessories).

Underlined figures indicate maximum static efficiency.
Regular face to left of Class 32 = Class 22
Regular face in light shaded area = Class 32

954

Wheel Diameter: 93.75"
Tip Speed (FPM): 24.54 x RPM

Inlet Area: 15.89 ft²
Inlet Diameter: 54⅝" O.D.

Outlet Area: 15.93 ft²
Outlet Dimension: 44⅞" x 50½"

RBO 954

Fan Efficiency Grade = FEG71

CFM	OV	1" SP		2" SP		4" SP		6" SP		8" SP		12" SP		16" SP		20" SP		24" SP		28" SP		32" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
19116	1200	149	5.00	203	9.70	283	19.73	345	30.30														
25488	1600	160	7.47	208	13.03	285	25.63	347	39.15	399	52.70	487	81.72										
31860	2000	173	10.72	218	17.52	290	32.20	350	48.29	401	64.68	488	98.24	562	133.62								
38232	2400	187	14.84	230	22.98	298	40.03	354	57.71	404	76.65	490	116.18	563	156.11	628	197.65	686	239.97				
44604	2800	203	20.31	243	29.57	308	49.14	361	68.76	409	89.79	493	134.22	565	179.96	630	227.21	688	274.28				
50976	3200	220	27.17	258	37.91	319	59.30	370	81.42	416	104.53	497	152.92	568	203.93	632	256.99	689	308.69				
57348	3600	238	35.70	273	47.46	331	70.96	381	96.05	425	121.31	502	172.67	572	228.78	635	286.86	692	345.46				
63720	4000	257	46.26	288	58.26	345	85.19	393	112.37	435	139.65	510	195.91	577	255.05	638	316.47						
70092	4400	276	58.60	305	71.74	359	100.85	405	129.99	446	159.73	519	221.06	583	282.87	643	349.18						
76464	4800	296	73.61	323	87.73	374	118.94	419	151.12	458	182.13	529	248.36	592	315.75	649	383.82						
82836	5200	317	91.74	341	105.74	389	138.78	433	173.99	471	207.43	540	278.01	601	349.56	657	422.64						
89208	5600	337	111.54	360	126.93	405	161.60	447	198.67	485	235.97	552	310.59	611	386.12	666	464.37						
95580	6000	358	135.04	380	151.82	421	186.47	462	226.65	499	266.54	564	344.98	622	425.63	676	509.35						
101952	6400	379	161.54	399	178.30	439	216.36	477	256.79	513	299.18	577	383.35	634	468.77	686	555.51						
108324	6800	400	191.23	419	209.03	457	249.00	493	290.89	528	335.84	590	423.88	646	513.99								
114696	7200	422	225.86	440	244.64	475	284.51	509	327.49	543	375.00	604	468.89	658	561.50								

MAXIMUM RPM: CLASS 22 = 692

RBA 954

Fan Efficiency Grade = FEG80

CFM	OV	1" SP		2" SP		4" SP		6" SP		8" SP		12" SP		16" SP		20" SP		24" SP		28" SP		32" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
19116	1200	149	4.46	202	8.89																		
25488	1600	160	6.41	208	11.73	284	23.68																
31860	2000	173	8.87	218	15.29	289	29.15	348	44.29														
38232	2400	187	11.79	230	19.57	297	35.40	353	52.47	403	70.81												
44604	2800	202	15.45	244	24.82	307	42.54	361	61.83	408	81.65	491	123.81										
50976	3200	218	20.03	258	30.52	319	50.93	370	71.88	415	93.46	495	139.54	566	188.53								
57348	3600	234	25.36	272	36.85	332	60.42	381	83.43	424	106.76	502	157.26	570	209.71	632	264.22						
63720	4000	251	31.84	287	44.45	345	70.50	393	96.26	435	121.95	509	174.99	575	231.06	636	290.65						
70092	4400	269	39.73	303	53.51	359	81.75	406	110.56	446	137.75	518	194.92	582	254.53	641	317.41						
76464	4800	286	48.26	319	63.61	374	94.56	419	125.60	459	156.22	529	217.59	591	280.91	648	346.76						
82836	5200	305	59.05	335	74.78	388	107.73	433	142.24	472	175.60	540	240.99	600	307.60	656	377.93						
89208	5600	323	70.65	352	87.81	403	123.01	447	159.72	485	195.81	552	266.62	611	337.93	665	411.12						
95580	6000	342	84.39	369	102.19	419	140.60	461	178.32	499	218.01	564	293.22	622	369.14								
101952	6400	361	99.76	387	118.91	434	158.57	476	199.54	513	241.19	577	322.37	634	403.17								
108324	6800	380	116.87	405	137.30	450	179.03	491	222.42	527	265.62	591	354.35	646	438.32								
114696	7200	400	136.82	423	157.45	467	202.30	506	246.92	542	293.17	604	385.51	659	476.71								

MAXIMUM RPM: CLASS 22= 674

RBW 954

Fan Efficiency Grade = FEG67

CFM	OV	1" SP		2" SP		4" SP		6" SP		8" SP		12" SP		16" SP		20" SP		24" SP		28" SP		32" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
19116	1200	154	5.09	207	9.71	285	20.15	346	31.98														
25488	1600	165	7.56	216	13.50	291	25.93	351	39.77	402	54.61	488	87.10										
31860	2000	176	10.59	226	17.93	299	32.85	357	48.59	407	65.40	492	101.56	564	140.73								
38232	2400	189	14.63	237	23.28	308	40.78	364	58.48	413	77.31	497	117.69	568	160.36	631	205.72	688	253.44				
44604	2800	203	19.71	248	29.46	318	49.66	373	70.13	421	91.23	503	135.37	573	181.94	635	230.62	692	282.37				
50976	3200	218	26.06	261	37.25	329	59.99	383	83.04	430	106.79	510	154.74	579	205.41	641	258.94						
57348	3600	234	33.90	274	46.09	340	71.52	394	97.58	440	123.90	518	176.23	586	230.92	647	288.37						
63720	4000	251	43.52	289	57.20	352	84.88	405	113.55	450	141.96	527	199.78	594	259.09	654	320.22						
70092	4400	268	54.66	303	69.11	364	99.49	416	130.97	461	162.38	537	225.40	603	289.92	662	355.22						
76464	4800	286	68.11	319	83.89	378	117.24	428	150.82	472	184.54	547	252.17	612	321.86	670	391.66						
82836	5200	304	83.46	335	100.39	391	135.67	440	172.20	483	208.33	558	281.95	622	356.41	679	431.07						
89208	5600	323	101.77	352	119.73	405	156.83	453	196.44	495	235.12	569	313.83	632	392.38	689	473.57						
95580	6000	342	122.46	369	141.19	420	181.13	466	222.51	507	263.66	580	347.79	643	432.15								
101952	6400	361	145.67	387	166.15	435	207.53	480	252.03	520	295.70	591	383.76	654	474.35								
108324	6800	380	171.53	405	193.70	450	236.06	494	283.75	533	329.87	603	423.74	665	518.99								
114696	7200	400	201.71	423	223.95	467	270.17	508	317.74	547	368.20	615	465.88	676	565.95								

MAXIMUM RPM: CLASS 22 = 696

Performance certified is for installation type B & D: Free or ducted inlet, ducted outlet.
Power ratings (BHP) do not include transmission losses.
Performance ratings do not include the effects of appurtenances (accessories).

Underlined figures indicate maximum static efficiency.

960

Wheel Diameter: 104.25"
Tip Speed (FPM): 27.29 x RPM

Inlet Area: 19.62 ft²
Inlet Diameter: 60⅝" O.D.

Outlet Area: 19.70 ft²
Outlet Dimension: 50⅛" x 56⅜"

RBO 960

Fan Efficiency Grade = FEG71

CFM	OV	1" SP		2" SP		4" SP		6" SP		8" SP		12" SP		16" SP		20" SP		24" SP		28" SP		32" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
23640	1200	134	6.18	182	11.88	254	24.26	311	37.74														
31520	1600	144	9.26	187	16.10	257	31.95	312	48.39	359	65.27	438	101.09										
39400	2000	155	13.11	196	21.65	261	39.91	314	59.29	361	80.24	439	121.62	505	164.85								
47280	2400	169	18.62	207	28.49	268	49.51	318	71.13	363	94.54	441	144.02	507	193.86	565	244.74	617	296.89				
55160	2800	182	24.88	219	36.80	277	60.78	325	85.32	367	110.32	443	165.59	509	223.74	566	280.17	618	338.03				
63040	3200	198	33.68	232	46.87	287	73.44	333	100.92	374	129.16	447	189.18	511	252.49	568	317.22	620	382.48				
70920	3600	214	44.13	245	58.33	298	88.05	343	119.16	382	149.79	452	214.33	514	282.28	571	354.66	622	426.59				
78800	4000	231	57.12	259	72.05	310	105.09	353	138.46	391	172.44	459	242.85	518	313.79	574	391.89						
86680	4400	249	73.17	275	89.41	323	124.89	364	160.48	401	197.41	467	273.85	525	351.25	578	431.28						
94560	4800	267	91.86	291	109.08	336	146.65	376	185.69	412	225.43	476	307.68	532	389.64	583	473.10						
102440	5200	285	113.35	307	131.19	350	171.88	389	214.52	424	257.32	486	344.62	541	433.56	591	523.11						
110320	5600	303	137.85	324	157.33	364	199.49	402	245.71	436	291.50	496	383.15	550	478.89	599	574.48						
118200	6000	322	167.07	342	188.19	379	231.32	416	281.35	449	330.18	507	426.12	560	528.17	607	627.05						
126080	6400	341	200.06	359	220.82	395	267.99	429	317.64	462	371.58	519	474.38	570	579.26	617	687.26						
133960	6800	360	237.03	377	258.89	411	307.98	443	358.87	475	415.77	531	525.43	581	635.81								
141840	7200	379	278.20	395	300.94	427	351.42	458	405.68	488	462.84	543	579.30	592	695.31								

MAXIMUM RPM: CLASS 22 = 622

RBA 960

Fan Efficiency Grade = FEG80

CFM	OV	1" SP		2" SP		4" SP		6" SP		8" SP		12" SP		16" SP		20" SP		24" SP		28" SP		32" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
23640	1200	134	5.52	181	10.88																		
31520	1600	144	7.95	187	14.49	256	29.49																
39400	2000	156	11.06	196	18.89	260	36.09	313	54.79														
47280	2400	168	14.53	207	24.26	267	43.73	318	65.23	362	87.26												
55160	2800	182	19.21	219	30.51	277	53.13	324	76.01	367	101.05	442	153.58										
63040	3200	196	24.75	232	37.74	287	63.07	333	89.10	373	115.39	445	172.39	509	233.16								
70920	3600	211	31.61	245	45.79	299	75.04	343	103.51	382	132.75	451	193.91	512	258.44	568	326.14						
78800	4000	226	39.52	258	54.91	311	87.81	353	118.61	391	150.59	458	216.77	517	285.60	572	359.54						
86680	4400	242	49.18	272	65.81	323	101.24	365	136.60	401	170.24	466	241.31	524	315.87	576	391.62						
94560	4800	258	60.24	287	78.76	336	116.58	377	155.57	413	193.50	476	269.54	531	346.44	583	429.39						
102440	5200	274	72.80	302	93.15	349	133.31	389	175.37	424	216.43	486	298.71	540	381.29	590	467.53						
110320	5600	291	87.85	317	109.05	363	152.85	402	197.53	436	241.88	496	328.90	549	416.85	598	508.33						
118200	6000	308	104.80	332	126.55	377	174.14	415	221.20	449	270.06	507	362.18	559	455.61	607	552.28						
126080	6400	325	123.77	348	147.01	391	197.15	428	246.65	461	297.61	519	398.91	570	498.18								
133960	6800	342	144.86	364	169.49	405	221.92	441	274.02	474	328.62	531	437.01	581	542.21								
141840	7200	360	169.59	380	194.09	420	250.22	455	305.25	487	361.61	543	476.28	592	587.63								

MAXIMUM RPM: CLASS 22= 607

RBW 960

Fan Efficiency Grade = FEG67

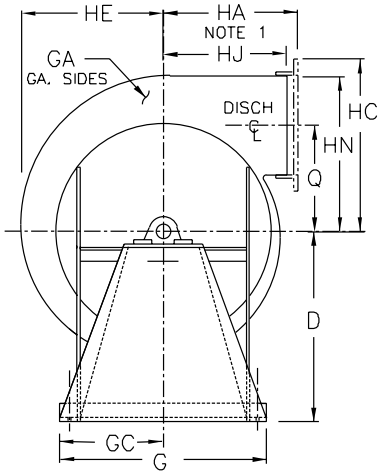
CFM	OV	1" SP		2" SP		4" SP		6" SP		8" SP		12" SP		16" SP		20" SP		24" SP		28" SP		32" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
23640	1200	139	6.36	186	11.97	256	24.83	311	39.49														
31520	1600	148	9.27	194	16.63	262	32.18	315	48.88	361	67.25	439	107.82										
39400	2000	159	13.28	203	22.09	269	40.68	321	60.07	366	80.87	442	125.21	507	173.83								
47280	2400	170	18.10	213	28.74	277	50.44	328	72.76	372	96.06	447	145.60	511	198.54	567	253.80	619	313.85				
55160	2800	183	24.55	223	36.42	286	61.44	336	87.17	379	113.18	452	167.02	515	224.61	571	285.12	622	348.68				
63040	3200	196	32.20	235	46.23	296	74.29	345	103.21	387	132.37	459	191.81	521	254.47	576	319.47	627	388.70				
70920	3600	210	41.66	247	57.41	306	88.65	354	120.35	395	152.43	466	218.17	527	285.59	582	356.90						
78800	4000	225	53.31	259	70.01	317	105.41	364	140.17	405	175.98	474	247.17	534	320.09	588	395.72						
86680	4400	241	67.58	273	85.95	328	123.78	374	161.83	415	201.43	483	278.88	542	358.00	595	438.56						
94560	4800	257	84.03	287	103.88	340	145.07	385	186.66	424	227.46	492	312.01	550	397.24	603	485.49						
102440	5200	274	103.90	301	123.82	352	168.32	396	213.46	435	258.78	502	349.08	559	439.91	611	534.09						
110320	5600	291	126.53	316	147.28	365	195.21	407	242.25	445	290.47	512	388.80	569	486.91	619	583.91						
118200	6000	308	152.08	332	174.85	378	224.52	419	275.04	456	326.18	522	431.13	578	533.75								
126080	6400	325	180.72	348	205.42	391	256.27	431	310.24	468	366.55	532	475.97	588	586.21								
133960	6800	342	212.62	364	239.12	405	292.61	444	350.31	479	407.12	542	523.24	598	641.73								
141840	7200	360	250.02	380	276.07	420	334.18	457	393.35	492	455.58	553	575.94	608	700.18								

MAXIMUM RPM: CLASS 22 = 627

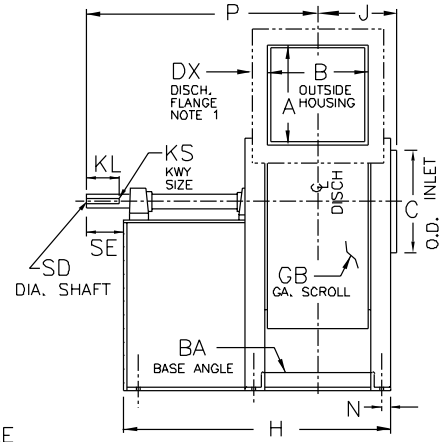
Performance certified is for installation type B & D: Free or ducted inlet, ducted outlet.
Power ratings (BHP) do not include transmission losses.
Performance ratings do not include the effects of appurtenances (accessories).

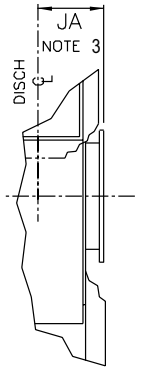
Underlined figures indicate maximum static efficiency.

RBO, RBA & RBW, Arr. 1: Class 22

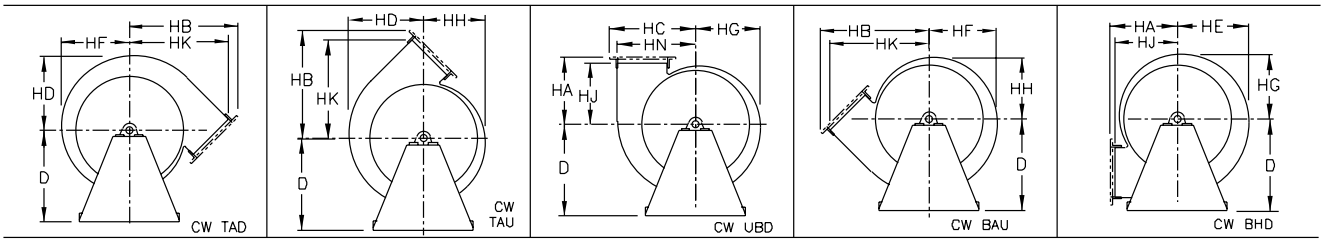


CW THD
ROTATABLE



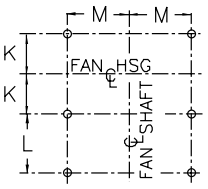


WITH OPTIONAL
FLANGED INLET



FOUNDATION
PLAN

SIX 'BH'
DIA BASE HOLES



NOTES:
1. Outlet flanges are optional. Flanges are punched per drawing AC15146.
2. CW rotation is shown. CCW rotation is similar but opposite.
3. Optional flanged inlet per drawing AC15143.

FAN SIZE	A	B	BA	BH	C	D	DX	G	GA	GB	GC	H	HA
907	6.81	6.06	1.50 x 1.50	0.44	7.00	14.25	1.25	14.25	12	12	7.13	21.63	8.81
909	8.63	7.69	1.50 x 1.50	0.44	9.00	15.25	1.25	17.75	12	12	8.88	23.25	11.13
911	10.56	9.44	2.00 x 2.00	0.56	11.00	18.75	1.50	20.25	10	10	10.13	28.25	13.50
913	12.44	11.13	2.00 x 2.00	0.56	13.00	21.75	1.50	23.25	10	10	11.63	31.13	15.88
915	14.31	12.81	2.50 x 2.50	0.56	15.00	25.25	1.50	26.25	10	10	13.13	38.13	18.25
917	16.25	14.50	2.50 x 2.50	0.56	17.00	28.25	1.50	29.50	10	10	14.75	41.75	20.63
919	18.06	16.13	2.50 x 2.50	0.56	19.00	31.25	2.00	31.25	10	10	15.63	45.88	22.94

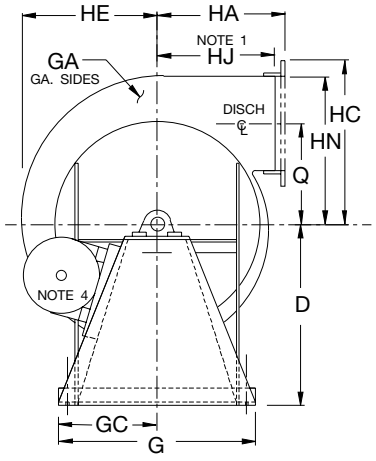
FAN SIZE	HB	HC	HD	HE	HF	HG	HH	HJ	HK	HN	J	JA	K
907	14.63	11.81	10.13	9.69	9.25	8.81	8.38	8.31	13.38	10.56	4.69	5.69	4.06
909	18.31	14.75	12.94	12.38	11.81	11.25	10.69	10.63	17.06	13.50	5.50	6.50	4.88
911	22.25	17.94	15.75	15.06	14.38	13.69	13.00	13.00	20.81	16.44	6.88	8.38	6.00
913	26.06	20.94	18.63	17.81	17.00	16.19	15.38	15.38	24.63	19.44	7.69	9.19	6.81
915	29.81	23.88	21.50	20.50	19.56	18.63	17.69	17.75	28.38	22.38	9.06	10.06	7.94
917	33.63	26.88	24.31	23.25	22.19	21.13	20.06	20.13	32.19	25.38	9.88	10.88	8.75
919	37.63	30.25	27.06	25.88	24.69	23.50	22.31	22.44	35.88	28.25	10.69	11.69	9.56

FAN SIZE	KL	KS	L	M	N	P	Q	SD	SE	WHEEL DIAMETER
907	4.50	0.38 x 0.19	12.00	6.38	0.63	21.69	7.19	1.44	4.75	12.25
909	5.00	0.38 x 0.19	12.00	8.13	0.63	23.25	9.19	1.44	5.50	15.63
911	5.00	0.38 x 0.19	14.25	9.13	0.88	26.88	11.19	1.69	5.50	19.13
913	5.50	0.38 x 0.19	15.50	10.63	0.88	29.44	13.25	1.69	6.00	22.63
915	5.50	0.50 x 0.25	19.75	11.88	1.13	35.06	15.25	2.19	6.00	26.13
917	6.00	0.50 x 0.25	21.75	13.50	1.13	38.88	17.25	2.19	7.00	29.63
919	7.00	0.50 x 0.25	24.25	14.38	1.13	42.75	19.25	2.19	7.50	33.00

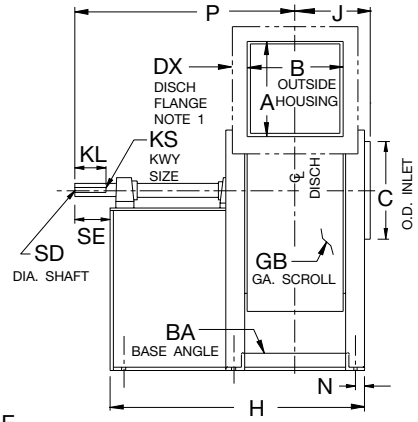
AC15062

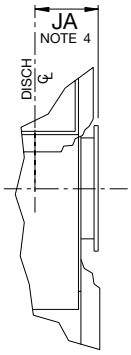
Dimensions are not to be used for construction. Certified drawings are available upon request.

RBO, RBA & RBW, Arr. 9A & 9B: Class 22

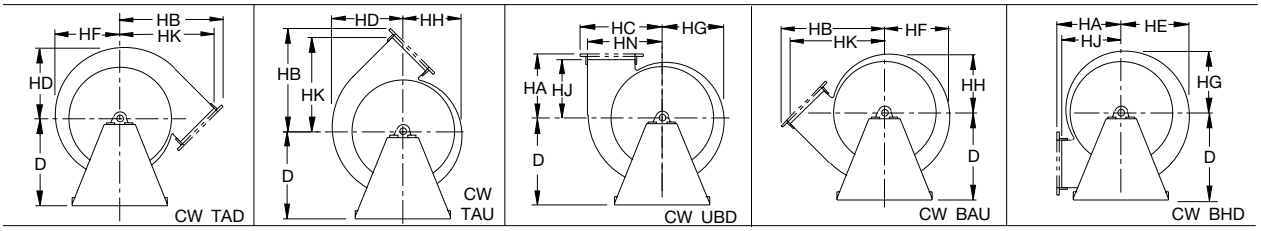


CW THD ROTATABLE



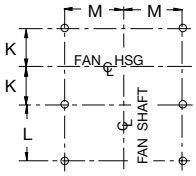


WITH OPTIONAL FLANGED INLET



FOUNDATION PLAN

SIX 'BH' DIA. BASE HOLES



NOTES:
1. Outlet flanges are optional. Flanges are punched per drawing AC15146.
2. CW rotation is shown. CCW rotation is similar but opposite.
3. Motor location is 'left' for CW rotation and 'right' for CCW rotation. Dimension 'FR' is Max. Motor Frame.
4. Optional flanged inlet per drawing AC15143.

FAN SIZE	A	B	BA	BH	C	D		DX	FR		G	GA	GB	GC
						9A	9B		9A	9B				
907	6.81	6.06	1.50 x 1.50	0.44	7.00	18.50	21.50	1.25	184T	215T	14.25	12	12	7.13
909	8.63	7.69	1.50 x 1.50	0.44	9.00	18.50	24.50	1.25	184T	256T	17.75	12	12	8.88
911	10.56	9.44	2.00 x 2.00	0.56	11.00	21.50	25.00	1.50	215T	256T	20.25	10	10	10.13
913	12.44	11.13	2.00 x 2.00	0.56	13.00	21.75	27.75	1.50	215T	286T	23.25	10	10	11.63
915	14.31	12.81	2.50 x 2.50	0.56	15.00	25.25	28.25	1.50	256T	286T	26.25	10	10	13.13
917	16.25	14.50	2.50 x 2.50	0.56	17.00	28.25	32.00	1.50	256T	326T	29.50	10	10	14.75
919	18.06	16.13	2.50 x 2.50	0.56	19.00	31.25	35.50	2.00	286T	365T	31.25	10	10	15.63

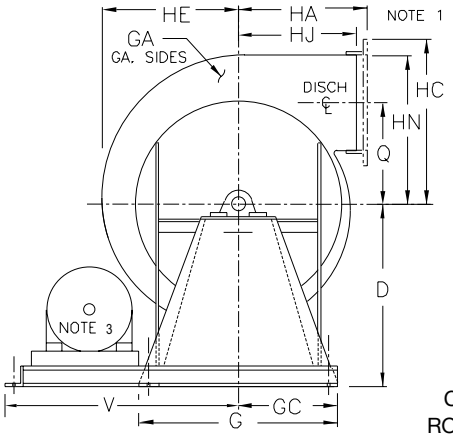
FAN SIZE	H		HA	HB	HC	HD	HE	HF	HG	HH	HJ	HK	HN	J	JA
	9A	9B													
907	24.81	28.44	8.81	14.63	11.81	10.13	9.69	9.25	8.81	8.38	8.31	13.38	10.56	4.69	5.69
909	26.44	34.94	11.13	18.31	14.75	12.94	12.38	11.81	11.25	10.69	10.63	17.06	13.50	5.50	6.50
911	32.81	37.69	13.50	22.25	17.94	15.75	15.06	14.38	13.69	13.00	13.00	20.88	16.44	6.88	8.38
913	34.50	41.75	15.88	26.06	20.94	18.63	17.81	17.00	16.19	15.38	15.38	24.63	19.44	7.69	9.19
915	42.06	44.44	18.25	29.81	23.88	21.44	20.50	19.56	18.63	17.69	17.75	28.38	22.38	9.06	10.06
917	43.75	48.63	20.63	33.63	26.88	24.31	23.25	22.19	21.13	20.06	20.13	32.19	25.38	9.88	10.88
919	47.75	51.75	22.94	37.63	30.25	27.06	25.88	24.69	23.50	22.31	22.44	35.88	28.25	10.69	11.69

FAN SIZE	K	KL	KS	L		M	N	P		Q	SD	SE	WHEEL DIAMETER
				9A	9B			9A	9B				
907	4.06	4.50	0.38 x 0.19	15.19	18.81	6.38	0.63	24.88	28.50	7.19	1.437	4.75	12.25
909	4.88	5.00	0.38 x 0.19	15.19	23.69	8.13	0.63	26.44	34.94	9.19	1.437	5.50	15.63
911	6.00	5.00	0.38 x 0.19	18.81	23.69	9.13	0.88	31.44	36.31	11.19	1.687	5.50	19.13
913	6.81	5.50	0.38 x 0.19	18.88	26.13	10.63	0.88	32.81	40.06	13.25	1.687	6.00	22.63
915	7.94	5.50	0.50 x 0.25	23.69	26.06	11.88	1.13	39.00	41.38	15.25	2.187	6.00	26.13
917	8.75	6.00	0.50 x 0.25	23.75	28.63	13.50	1.13	40.88	45.75	17.25	2.187	7.00	29.63
919	9.56	7.00	0.50 x 0.25	26.13	30.13	14.38	1.13	44.56	48.56	19.25	2.187	7.50	33.00

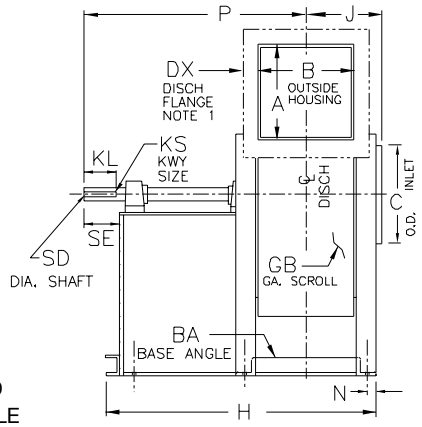
AC15074

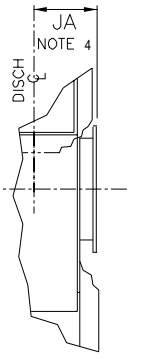
Dimensions are not to be used for construction. Certified drawings are available upon request.

RBO, RBA & RBW, Arr. 9F: Class 22

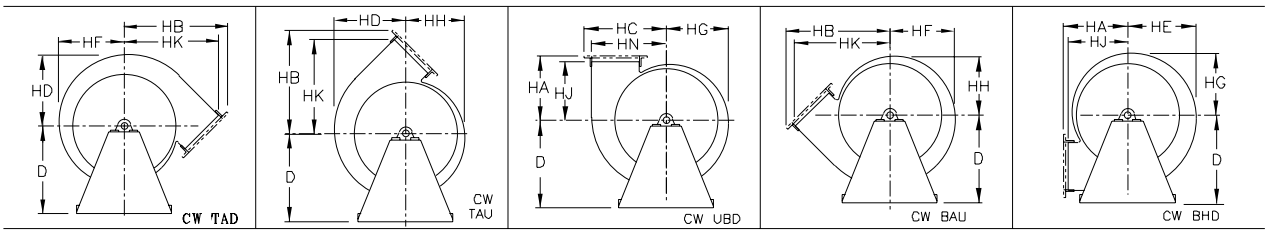


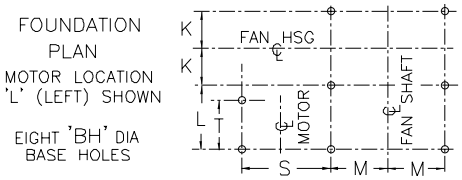
CW THD
ROTATABLE





WITH OPTIONAL
FLANGED INLET





NOTES:
1. Outlet flanges are optional. Flanges are punched per drawing AC15146.
2. CW rotation is shown. CCW rotation is similar but opposite.
3. Standard Arrangement 9F motor location is 'left' for CW rotation and 'right' for CCW rotation (unless otherwise specified). Dimension 'FR' is Max. Motor Frame.
4. Optional flanged inlet per drawing AC15143.

FAN SIZE	A	B	BA	BH	C	D	DX	FR	G	GA	GB	GC	H	HA
907	6.81	6.06	1.50 x 1.50	0.44	7.00	14.25	1.25	215T	14.25	12	12	7.13	28.63	8.81
909	8.63	7.69	1.50 x 1.50	0.44	9.00	15.25	1.25	256T	17.75	12	12	8.88	35.63	11.13
911	10.56	9.44	2.0 0x 2.00	0.56	11.00	18.75	1.50	284T	20.25	10	10	10.13	38.13	13.50
913	12.44	11.13	2.00 x 2.00	0.56	13.00	21.75	1.50	324T	23.25	10	10	11.63	41.31	15.88
915	14.31	12.81	2.50 x 2.50	0.56	15.00	25.25	1.50	324T	26.25	10	10	13.13	45.06	18.25
917	16.25	14.50	2.50 x 2.50	0.56	17.00	28.25	1.50	326T	29.50	10	10	14.75	49.19	20.63
919	18.06	16.13	2.50 x 2.50	0.56	19.00	31.25	2.00	365T	31.25	10	10	15.63	51.56	22.94

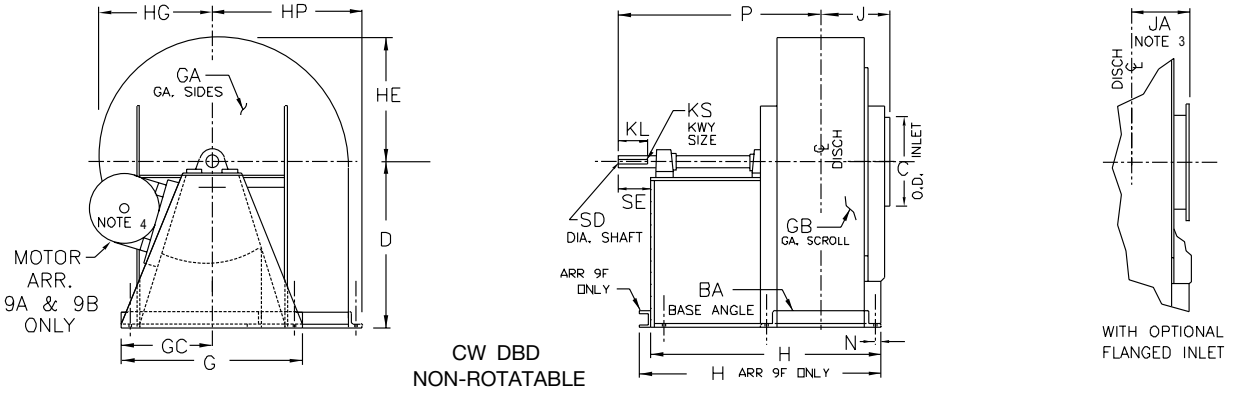
FAN SIZE	HB	HC	HD	HE	HF	HG	HH	HJ	HK	HN	J	JA	K
907	14.63	11.81	10.13	9.69	9.25	8.81	8.38	8.31	13.38	10.56	4.69	5.69	4.06
909	18.31	14.75	12.94	12.38	11.81	11.25	10.69	10.63	17.06	13.50	5.50	6.50	4.88
911	22.25	17.94	15.75	15.06	14.38	13.69	13.00	13.00	20.81	16.44	6.88	8.38	6.00
913	26.06	20.94	18.63	17.81	17.00	16.19	15.38	15.38	24.63	19.44	7.69	9.19	6.81
915	29.81	23.88	21.50	20.50	19.56	18.63	17.69	17.75	28.38	22.38	9.06	10.06	7.94
917	33.63	26.88	24.31	23.25	22.19	21.13	20.06	20.13	32.19	25.38	9.88	10.88	8.75
919	37.63	30.25	27.06	25.88	24.69	23.50	22.31	22.44	35.88	28.25	10.69	11.69	9.56

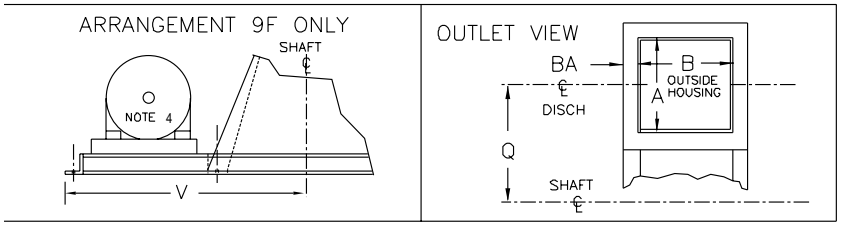
FAN SIZE	KL	KS	L	M	N	P	Q	S	SD	SE	T	V	WHEEL DIAMETER
907	4.50	0.38 x 0.19	17.00	6.38	0.63	26.69	7.19	25.25	1.44	4.75	15.00	32.50	12.25
909	5.00	0.38 x 0.19	21.88	8.13	0.63	33.13	9.19	28.50	1.44	5.50	19.88	37.75	15.63
911	5.00	0.38 x 0.19	21.63	9.13	0.88	34.25	11.19	30.13	1.69	5.50	19.38	40.38	19.13
913	5.50	0.38 x 0.19	24.25	10.63	0.88	38.19	13.25	33.06	1.69	6.00	22.00	45.06	22.63
915	5.50	0.50 x 0.25	25.25	11.88	1.13	40.56	15.25	33.31	2.19	6.00	22.75	46.56	26.13
917	6.00	0.50 x 0.25	27.75	13.50	1.13	44.88	17.25	33.31	2.19	7.00	25.25	48.19	29.63
919	7.00	0.50 x 0.25	28.50	14.38	1.13	47.00	19.25	37.44	2.19	7.50	26.00	53.19	33.00

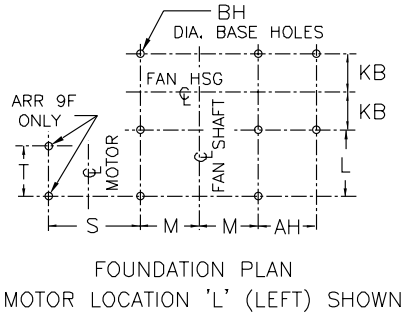
AC15133B

Dimensions are not to be used for construction. Certified drawings are available upon request.

RBO, RBA & RBW, Arr. 1, 9A, 9B & 9F: Class 22







NOTES:
1. 'DBD' "punched" outlet flange is per drawing AC15392.
2. CW rotation is shown. CCW rotation is similar but opposite.
3. Optional flanged inlet per drawing AC15143.
4. Standard Arrangement 9A, 9B and 9F motor location is 'left' for CW rotation and 'right' for CCW rotation (unless otherwise specified). Dimension 'FR' is Max. Motor Frame.

FAN SIZE	A	AH	B	BA	BH	C	D		FR			G	GA	GB	GC
							1, 9A, 9F	9B	9A	9B	9F				
907	6.81	5.06	6.06	1.50 x 1.50	0.44	7.00	18.50	21.50	184T	215T	215T	14.25	12	12	7.13
909	8.63	6.25	7.69	1.50 x 1.50	0.44	9.00	18.50	24.50	184T	256T	256T	17.75	12	12	8.88
911	10.56	8.44	9.44	2.00 x 2.00	0.56	11.00	21.50	25.00	215T	256T	284T	20.25	10	10	10.13
913	12.44	9.94	11.13	2.00 x 2.00	0.56	13.00	21.75	27.75	215T	286T	324T	23.25	10	10	11.63
915	14.31	11.88	12.81	2.50 x 2.50	0.56	15.00	25.25	28.25	256T	286T	324T	26.25	10	10	13.13
917	16.25	13.25	14.50	2.50 x 2.50	0.56	17.00	28.25	32.00	256T	326T	326T	29.50	10	10	14.75
919	18.06	15.25	16.13	2.50 x 2.50	0.56	19.00	31.25	35.50	286T	365T	365T	31.25	10	10	15.63

FAN SIZE	H				HE	HG	HP	J	JA	KB	KL	KS	L			
	ARR 1	ARR 9A	ARR 9B	ARR 9F									ARR 1	ARR 9A	ARR 9B	ARR 9F
907	21.38	24.63	28.25	28.38	9.69	8.81	12.06	4.69	5.69	3.94	4.50	0.38 x 0.19	12.00	15.25	18.88	17.00
909	23.00	26.25	34.75	35.38	12.38	11.25	15.00	5.50	6.50	4.75	5.00	0.38 x 0.19	12.00	15.25	23.75	21.88
911	28.00	32.63	37.50	37.88	15.06	13.69	18.44	6.88	8.38	5.88	5.00	0.38 x 0.19	14.25	18.88	23.75	21.63
913	30.88	34.25	41.50	41.06	17.81	16.19	21.44	7.69	9.19	6.69	5.50	0.38 x 0.19	15.50	18.88	26.13	24.25
915	37.88	41.88	44.25	44.81	20.50	18.63	24.88	9.06	10.06	7.81	5.50	0.50 x 0.25	19.75	23.75	26.13	25.25
917	41.50	43.50	48.38	48.94	23.25	21.13	27.88	9.88	10.88	8.63	6.00	0.50 x 0.25	21.75	23.75	28.63	27.75
919	45.69	47.50	51.50	51.31	25.88	23.50	30.75	10.69	11.69	9.44	7.00	0.50 x 0.25	24.31	26.13	30.13	28.50

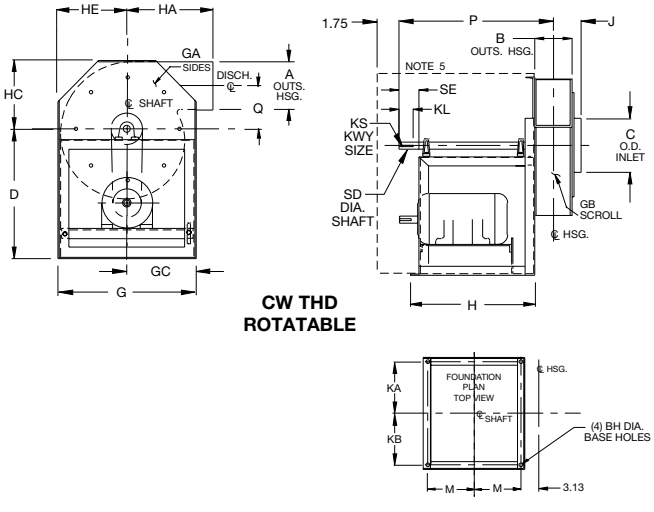
FAN SIZE	M	N	P				Q	S	SD	SE	T	V	WHEEL DIAMETER
			ARR 1	ARR 9A	ARR 9B	ARR 9F							
907	6.38	0.63	21.56	24.81	28.44	26.56	7.19	25.25	1.44	4.75	15.00	32.50	12.25
909	8.13	0.63	23.13	26.38	34.88	33.00	9.19	28.50	1.44	5.50	19.88	37.75	15.63
911	9.13	0.88	26.75	31.38	36.25	34.13	11.19	30.13	1.69	5.50	19.38	40.38	19.13
913	10.63	0.88	29.31	32.69	39.94	38.06	13.25	33.06	1.69	6.00	22.00	45.06	22.63
915	11.88	1.13	34.94	38.94	41.31	40.44	15.25	33.31	2.19	6.00	22.75	46.56	26.13
917	13.50	1.13	38.75	40.75	45.63	44.75	17.25	33.31	2.19	7.00	25.25	48.19	29.63
919	14.38	1.13	42.63	44.44	48.44	46.88	19.25	37.44	2.19	7.50	26.00	53.19	33.00

AC15071C

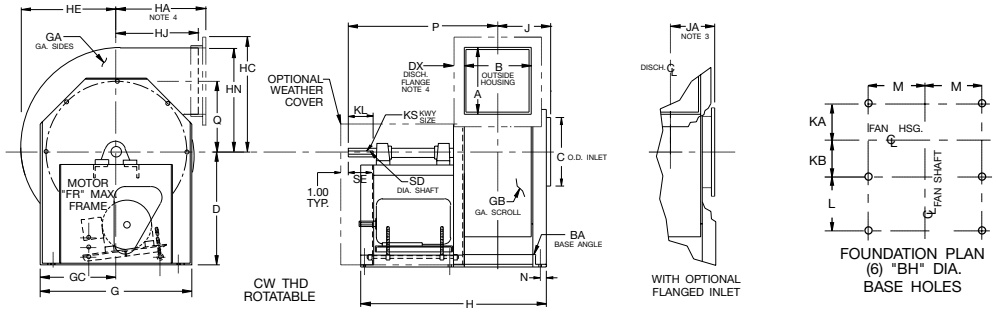
Dimensions are not to be used for construction. Certified drawings are available upon request.

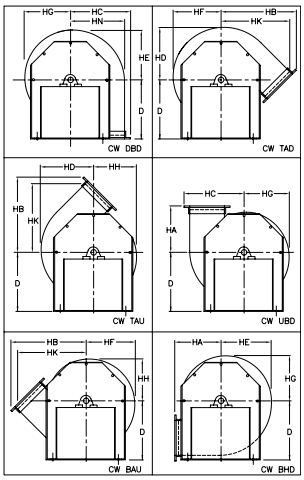
RBA, RBO & RBW, Arr. 10: Class 22

Size 905



Sizes 907 – 919





NOTES:

1. Clockwise (CW) rotation shown, counterclockwise (CCW) rotation is similar but opposite.
2. All sizes are rotatable, except for DBD discharge with an outlet flange option.
3. Optional flanged inlet shown. See AC15143 for dimensional data.
4. Punched outlet flange is optional on all sizes. See drawing AC15146 for dimensional data. Consult factory for DBD discharge with punched outlet flange option.
5. Weather cover is optional.
6. All Arrangement 10 fans are available as Class 22 only.

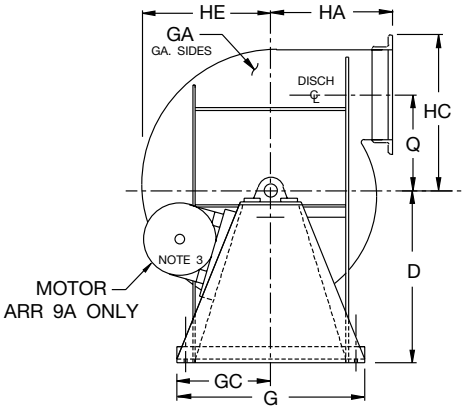
FAN SIZE	A	B	BA	BH	C	D	DX	G	GA	GB	GC	H	HA	HB	HC	HD	HE	HJ	HK
905	4.88	4.50	—	0.44	5.00	14.50	1.25	16.00	12	12	8.00	13.38	9.00	11.75	8.00	8.00	8.00	—	—
907	6.81	6.06	1.50x1.50	0.44	7.00	17.63	1.25	16.00	12	12	8.00	28.63	9.56	15.13	11.81	10.13	9.69	8.31	13.38
909	8.63	7.69	1.50x1.50	0.44	9.00	19.38	1.25	19.00	10	10	9.50	32.00	11.13	18.31	14.75	12.94	12.38	10.63	17.06
911	10.56	9.44	2.00x2.00	0.56	11.00	21.88	1.50	25.00	10	10	12.50	39.00	14.25	22.75	17.94	15.75	15.06	13.00	20.81
913	12.44	11.13	2.00x2.00	0.56	13.25	25.50	1.50	27.25	10	10	13.63	40.69	15.88	26.06	20.94	18.63	17.81	15.38	24.63
915	14.31	12.81	2.50x2.50	0.56	15.25	30.50	1.50	33.00	10	10	16.50	45.13	18.25	29.81	23.88	21.50	20.50	17.75	28.38
917	16.25	14.50	2.50x2.50	0.56	17.25	27.50	1.50	36.13	10	10	18.06	46.81	20.63	33.63	26.88	24.31	23.25	20.13	32.19
919	18.06	16.13	2.50x2.50	0.56	19.25	30.00	2.00	38.88	10	10	19.44	51.94	22.94	37.63	30.25	27.06	25.88	22.44	35.88

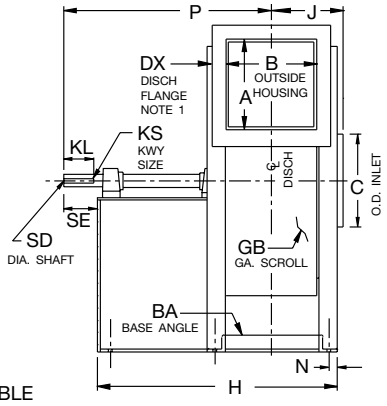
FAN SIZE	HF	HG	HH	HN	J	JA	KA	KB	KL	KS	L	M	N	P	Q	SD	SE	MAX. MTR. FR.
905	—	8.00	8.00	8.00	3.88	4.88	6.75	6.75	2.00	0.25 x 0.13	—	6.00	—	17.13	5.13	1.00	2.75	145T
907	9.25	8.81	8.38	10.56	4.69	5.69	4.06	4.94	2.00	0.38 x 0.19	18.50	7.31	0.63	24.81	7.19	1.44	2.75	184T
909	11.81	11.25	10.69	13.50	5.50	6.50	4.88	5.75	2.63	0.38 x 0.19	20.25	8.81	0.63	28.06	9.19	1.44	3.38	215T
911	14.38	13.69	13.00	16.44	6.88	8.38	6.00	6.75	3.25	0.38 x 0.19	24.75	10.88	0.88	34.25	11.19	1.69	4.00	256T
913	17.00	16.19	15.38	19.44	7.69	9.19	6.81	8.19	3.25	0.38 x 0.19	23.88	11.13	0.88	35.13	13.25	1.69	4.00	256T
915	19.56	18.63	17.69	22.38	9.06	10.06	7.94	9.06	3.63	0.50 x 0.25	26.13	12.13	1.13	38.88	15.25	2.19	4.63	286T
917	22.19	21.13	20.06	25.38	9.88	10.88	8.75	10.44	3.63	0.50 x 0.25	25.38	12.38	1.13	39.81	17.25	2.19	4.63	286T
919	24.69	23.50	22.31	28.25	10.69	11.69	9.56	11.25	4.50	0.50 x 0.25	28.88	14.13	1.13	44.75	19.25	2.19	5.25	326T

AC10726D
AC15142A

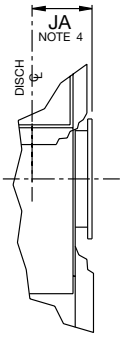
Dimensions are not to be used for construction. Certified drawings are available upon request.

RBO, RBA & RBW, Arr. 1 & 9A: Class 22

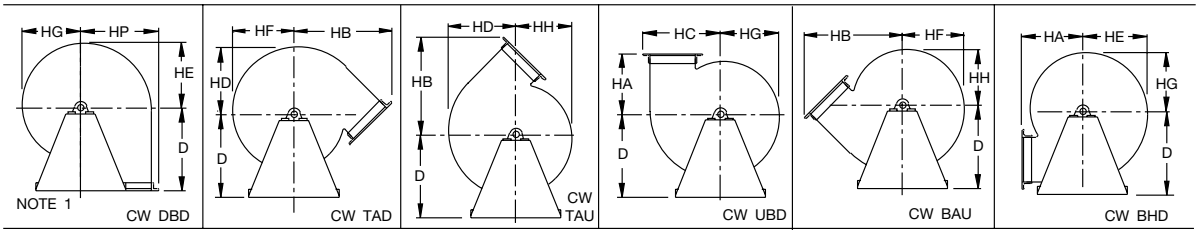


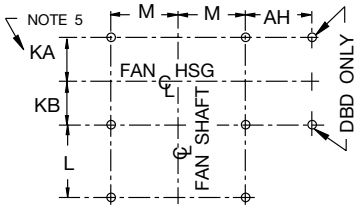


CW THD
NON-ROTATABLE



WITH OPTIONAL
FLANGED INLET





SIX 'BH' DIA. BASE HOLES
(EIGHT HOLES ON 'DBD')

FOUNDATION PLAN

NOTES:
1. Outlet flanges punched per drawing AC15146 except DBD is punched per foundation plan. DBD "punched" outlet flange is per drawing AC15392.
2. CW rotation is shown. CCW rotation is similar but opposite.
3. Arrangement 9 motor location is 'left' for CW rotation and 'right' for CCW rotation. Dimension 'FR' is Max. Motor Frame on Arr. 9A.
4. Optional flanged inlet per drawing AC15143.
5. Use dimension 'KB' for DBD discharge.

FAN SIZE	A	AH	B	BA	BH	C	D	DX	FR (9A)	G	GA	GB
921	20.00	15.75	17.81	3.00 x 3.00	0.81	21.00	34.50	2.00	326T	37.25	10	10
923	22.00	17.31	19.63	3.00 x 3.00	0.81	23.00	37.50	2.00	326T	40.25	7	7
926	24.81	19.38	22.13	3.00 x 3.00	0.81	26.00	41.75	2.50	365T	44.75	7	7
929	27.69	21.56	24.63	3.00 x 3.00	0.81	29.00	46.50	2.50	365T	49.75	7	7

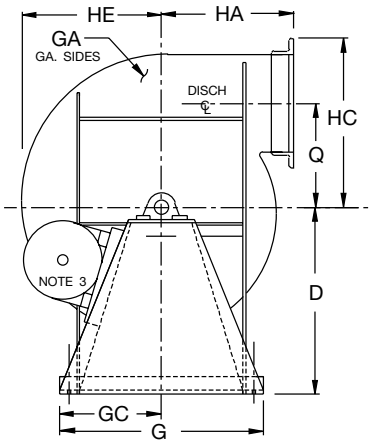
FAN SIZE	GC	H	HA	HB	HC	HD	HE	HF	HG	HH	HP	J	JA
921	18.63	52.88	23.50	40.19	33.25	29.88	28.50	27.13	25.75	24.38	34.25	12.13	13.13
923	20.13	54.69	26.50	44.44	36.31	32.81	31.25	29.75	28.19	26.69	37.31	13.00	14.00
926	22.38	58.69	29.00	49.63	41.13	36.94	35.25	33.56	31.88	30.19	41.63	14.25	15.25
929	24.88	61.19	31.75	54.88	45.81	41.38	39.50	37.56	35.69	33.75	46.31	15.50	16.50

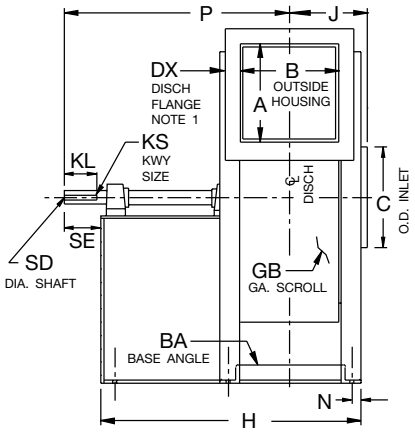
FAN SIZE	KA	KB	KL	KS	L	M	N	P	Q	SD	SE	WHEEL DIAMETER
921	10.75	10.56	7.00	0.63 x 0.31	28.56	17.13	1.38	48.75	21.25	2.437	8.00	36.50
923	11.63	11.44	7.00	0.63 x 0.31	28.63	18.63	1.38	49.69	23.31	2.437	8.00	40.00
926	12.88	12.69	8.00	0.75 x 0.38	30.13	20.88	1.38	53.44	26.25	2.937	9.00	45.13
929	14.13	13.94	8.00	0.88 x 0.44	30.13	23.38	1.38	55.19	29.50	3.437	9.50	50.50

AC15063

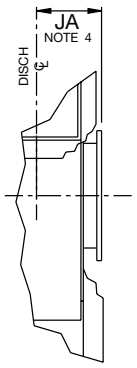
Dimensions are not to be used for construction. Certified drawings are available upon request.

RBO, RBA & RBW, Arr. 9B: Class 22

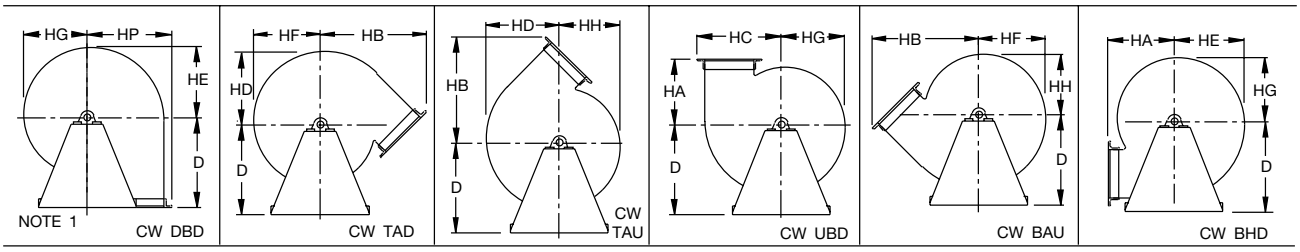


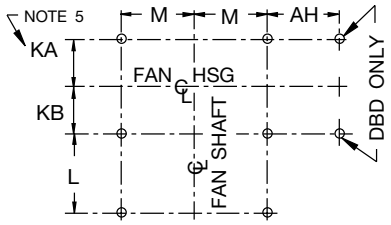


CW THD
NON-ROTATABLE



WITH OPTIONAL
FLANGED INLET





SIX 'BH' DIA. BASE HOLES
(EIGHT HOLES ON 'DBD')

FOUNDATION PLAN

NOTES:
1. Outlet flanges punched per drawing AC15146 except angles on DBD punched per foundation plan. DBD "punched" outlet flange is per drawing AC15392.
2. CW rotation is shown. CCW rotation is similar but opposite.
3. Motor location is 'left' for CW rotation and 'right' for CCW rotation. Dimension 'FR' is Max. Motor Frame on Arr. 9B.
4. Optional flanged inlet per drawing AC15143.
5. Use dimension 'KB' for DBD discharge.

FAN SIZE	A	AH	B	BA	BH	C	D	DX	FR (9B)	G	GA	GB
921	20.00	15.75	17.81	3.00 x 3.00	0.81	21.00	41.25	2.00	365T	37.25	10	10
923	22.00	17.31	19.63	3.00 x 3.00	0.81	23.00	41.25	2.00	365T	40.25	7	7
926	24.81	19.38	22.13	3.00 x 3.00	0.81	26.00	41.75	2.50	405T	44.75	7	7
929	27.69	21.56	24.63	3.00 x 3.00	0.81	29.00	46.50	2.50	405T	49.75	7	7

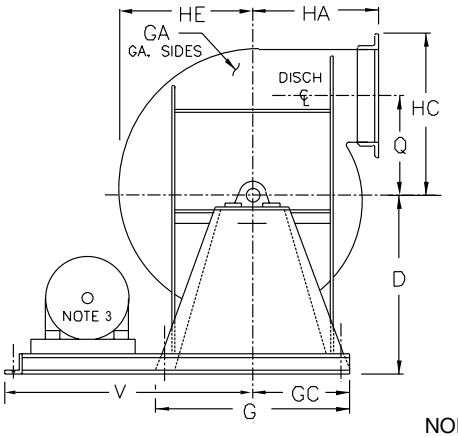
FAN SIZE	GC	H	HA	HB	HC	HD	HE	HF	HG	HH	HP	J	JA
921	18.63	54.38	23.50	40.19	33.25	29.88	28.50	27.13	25.75	24.38	34.25	12.13	13.13
923	20.13	56.19	26.50	44.44	36.31	32.81	31.25	29.75	28.19	26.69	37.31	13.00	14.00
926	22.38	63.69	29.00	49.63	41.13	36.94	35.25	33.56	31.88	30.19	41.63	14.25	15.25
929	24.88	66.19	31.75	54.88	45.81	41.38	39.50	37.56	35.69	33.75	46.31	15.50	16.50

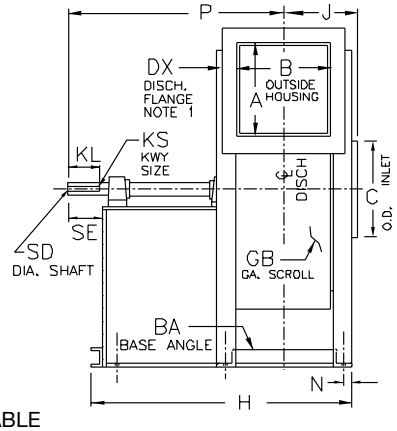
FAN SIZE	KA	KB	KL	KS	L	M	N	P	Q	SD	SE	WHEEL DIAMETER
921	10.75	10.56	7.00	0.63 x 0.31	30.06	17.13	1.38	50.25	21.25	2.437	8.00	36.50
923	11.63	11.44	7.00	0.63 x 0.31	30.13	18.63	1.38	51.19	23.31	2.437	8.00	40.00
926	12.88	12.69	8.00	0.75 x 0.38	35.13	20.88	1.38	58.44	26.25	2.937	9.00	45.13
929	14.13	13.94	8.00	0.88 x 0.44	35.13	23.38	1.38	60.19	29.50	3.437	9.50	50.50

AC15075A

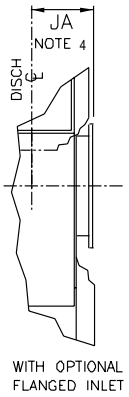
Dimensions are not to be used for construction. Certified drawings are available upon request.

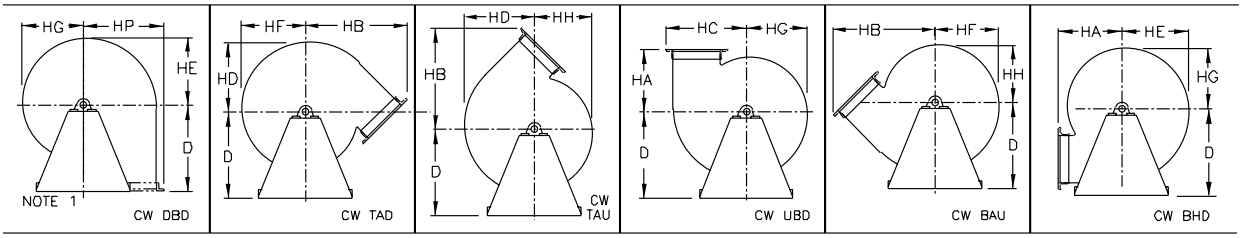
RBO, RBA & RBW, Arr. 9F: Class 22

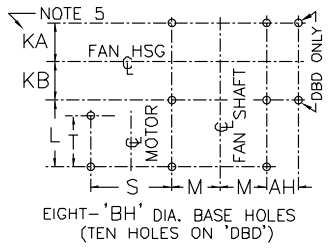




CW THD
NON-ROTATABLE







FOUNDATION PLAN
MOTOR LOCATION 'L' (LEFT) SHOWN

NOTES:
1. Outlet flanges punched per drawing AC15146 except angles on DBD punched per foundation plan. DBD "punched" outlet flange is per drawing AC15149.
2. CW rotation is shown. CCW rotation is similar but opposite.
3. Standard Arrangement 9A, 9B & 9F motor location is 'left' for CW rotation and 'right' for CCW rotation (unless otherwise specified). Dimension 'FR' is Max. Motor Frame.
4. Optional flanged inlet per drawing AC15143.
5. Use dimension 'KB' for DBD discharge.

FAN SIZE	A	AH	B	BA	BH	C	D	DX	FR	G	GA	GB	GC	H
921	20.00	15.75	17.81	3.0x3.0	0.81	21.00	34.50	2.00	365T	37.25	10	10	18.63	55.25
923	22.00	17.31	19.63	3.0x3.0	0.81	23.00	37.50	2.00	365T	40.25	7	7	20.13	57.00
926	24.81	19.38	22.13	3.0x3.0	0.81	26.00	41.75	2.50	405T	44.75	7	7	22.38	62.13
929	27.69	21.56	24.63	3.0x3.0	0.81	29.00	46.50	2.50	444T	49.75	7	7	24.88	72.75

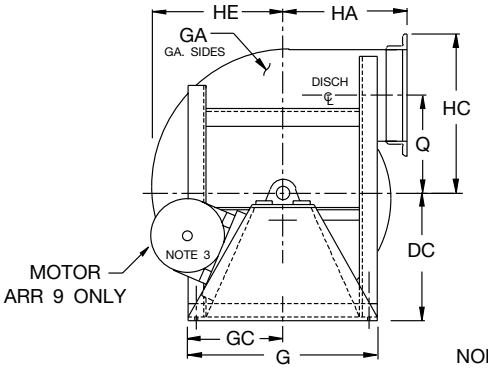
FAN SIZE	HA	HB	HC	HD	HE	HF	HG	HH	HP	J	JA	KA	KB	KL
921	23.50	40.19	33.25	29.88	28.50	27.13	25.75	24.38	34.25	12.13	13.13	10.75	10.56	6.63
923	26.50	44.44	36.31	32.81	31.25	29.75	28.19	26.69	37.31	13.00	14.00	11.63	11.44	6.63
926	29.00	49.63	41.13	36.94	35.25	33.56	31.88	30.19	41.63	14.25	15.25	12.88	12.69	8.00
929	31.75	54.88	45.81	41.38	39.50	37.56	35.69	33.75	46.31	15.50	16.50	14.13	13.94	9.25

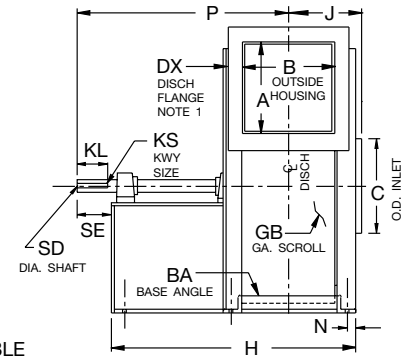
FAN SIZE	KS	L	M	N	P	Q	S	SD	SE	T	V	WHEEL DIAMETER
921	0.63 x 0.31	29.50	17.13	1.38	49.31	21.25	37.69	2.44	7.63	26.75	56.19	36.50
923	0.63 x 0.31	29.50	18.63	1.38	50.19	23.31	37.69	2.44	7.63	26.75	57.69	40.00
926	0.75 x 0.38	32.00	20.88	1.38	55.31	26.25	42.94	2.94	9.00	29.25	65.19	45.13
929	0.88 x 0.44	40.13	23.38	1.38	66.19	29.50	46.44	3.44	10.50	37.38	71.19	50.50

AC15134B

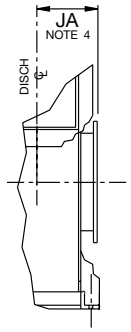
Dimensions are not to be used for construction. Certified drawings are available upon request.

RBO, RBA & RBW, Arr. 1 & 9: Class 22

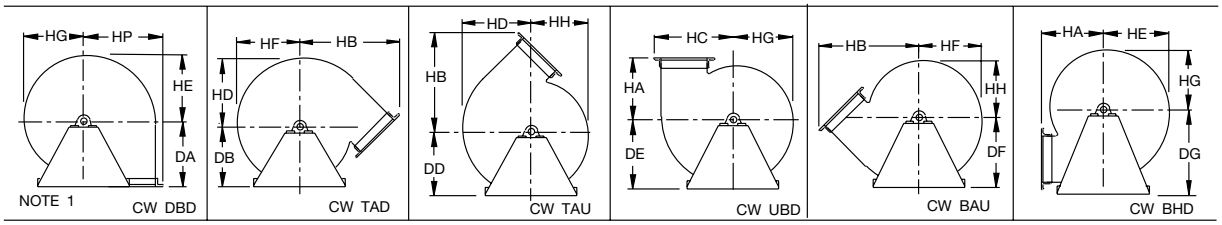


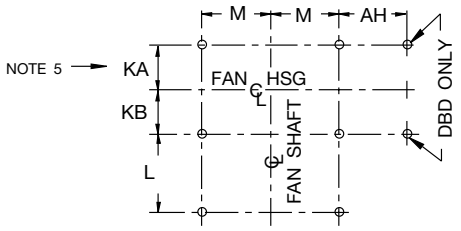


CW THD
NON-ROTATABLE



WITH OPTIONAL
FLANGED INLET





SIX 'BH' DIA. BASE HOLES
(EIGHT HOLES ON 'DBD')

FOUNDATION PLAN

NOTES:
1. Outlet flanges punched per drawing AC15146 except DBD is punched per foundation plan. DBD "punched" outlet flange is per drawing AC15392.
2. CW rotation is shown. CCW rotation is similar but opposite.
3. Arrg. 9 motor location is 'left' for CW rotation and 'right' for CCW rotation. Dimension 'FR' is Max. Motor Frame on Arr. 9.
4. Optional flanged inlet per drawing AC15143.
5. Use dimension 'KB' for DBD discharge.

FAN SIZE	A	AH	B	BA	BH	C	DA	DB	DC	DD	DE	DF	DG	DX
933	31.50	25.88	28.00	3.00 x 4.00	0.81	33.00	43.00	43.00	43.00	45.00	47.00	49.50	52.50	2.50
937	35.19	28.75	31.50	3.00 x 4.00	0.81	37.00	47.88	47.88	47.88	50.50	53.00	55.75	58.50	2.50
941	38.94	32.63	34.81	3.50 x 5.00	0.81	41.00	52.75	52.75	52.75	55.25	58.25	61.00	64.25	2.50
945	42.75	35.50	38.19	4.00 x 6.00	0.81	45.00	59.00	59.00	59.00	62.00	65.00	68.00	72.00	3.00
949	46.63	34.88	41.50	4.00 x 6.00	0.81	49.00	64.00	64.00	64.00	67.00	69.75	74.00	80.00	3.00
954	51.13	37.69	45.50	4.00 x 6.00	0.81	54.63	70.25	70.25	70.25	73.50	77.00	81.00	86.00	3.00
960	57.00	41.94	50.75	4.00 x 6.00	0.81	60.63	78.00	78.00	78.00	81.75	85.50	90.00	96.00	3.00

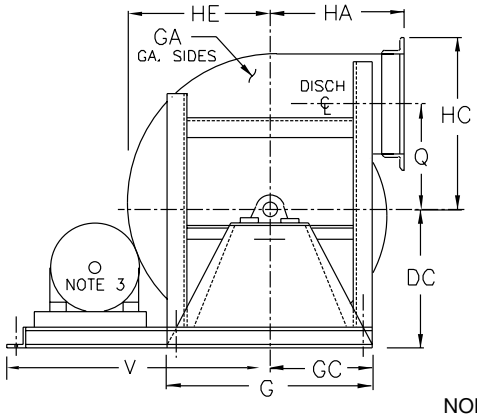
FAN SIZE	FR (ARR. 9)	G	GA	GB	GC	H	HA	HB	HC	HD	HE	HF	HG	HH	HP
933	405T	54.00	0.19	0.19	27.00	71.63	36.50	62.44	51.75	47.06	44.88	42.69	40.50	38.31	53.25
937	405T	60.00	0.25	0.19	30.00	75.13	40.75	69.56	57.63	52.69	50.25	47.81	45.38	42.94	59.13
941	405T	65.50	0.25	0.19	32.75	80.44	48.50	79.25	63.50	58.31	55.63	52.94	50.25	47.56	66.00
945	405T	73.00	0.25	0.19	36.50	85.81	49.81	84.69	69.88	63.94	61.00	58.06	55.13	52.19	72.88
949	405T	86.50	0.25	0.25	43.25	89.13	54.25	92.13	76.00	69.75	66.56	63.31	60.13	56.88	79.00
954	405T	94.50	0.31	0.31	47.25	93.19	59.25	100.50	82.81	76.31	72.81	69.31	65.81	62.31	85.81
960	405T	104.88	0.31	0.31	52.44	98.44	66.19	112.06	92.25	85.31	81.38	77.44	73.50	69.56	95.25

FAN SIZE	J	JA	KA	KB	KL	KS	L	M	N	P	Q	SD	SE	WHEEL DIAMETER
933	18.25	19.25	16.38	16.13	8.00	0.88 x 0.44	35.13	25.50	1.88	63.13	33.50	3.44	9.50	57.50
937	20.00	21.00	18.13	17.88	8.00	0.88 x 0.44	35.13	28.50	1.88	64.88	37.56	3.44	9.50	64.38
941	22.69	23.69	20.31	20.06	8.00	1.00 x 0.50	35.06	31.00	2.38	67.50	41.56	3.94	9.50	71.25
945	25.38	26.38	22.50	22.25	8.00	1.00 x 0.50	35.06	34.50	2.88	70.19	45.56	3.94	9.50	78.25
949	27.00	28.00	24.13	23.88	8.00	1.00 x 0.50	35.13	41.25	2.88	71.88	49.69	4.44	9.50	85.25
954	29.06	30.06	26.19	25.88	8.00	1.25 x 0.63	35.13	45.25	2.88	73.94	54.25	5.44	9.50	93.75
960	31.69	32.69	28.81	28.50	8.00	1.50 x 0.75	35.13	50.44	2.88	76.56	60.75	5.94	9.50	104.25

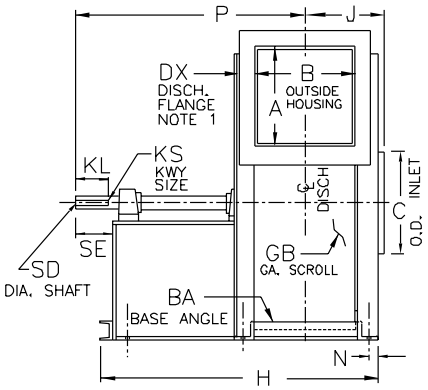
AC15064A

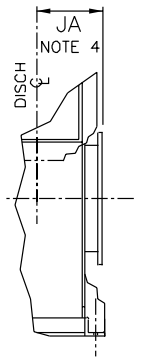
Dimensions are not to be used for construction. Certified drawings are available upon request.

RBO, RBA & RBW, Arr. 9F: Class 22

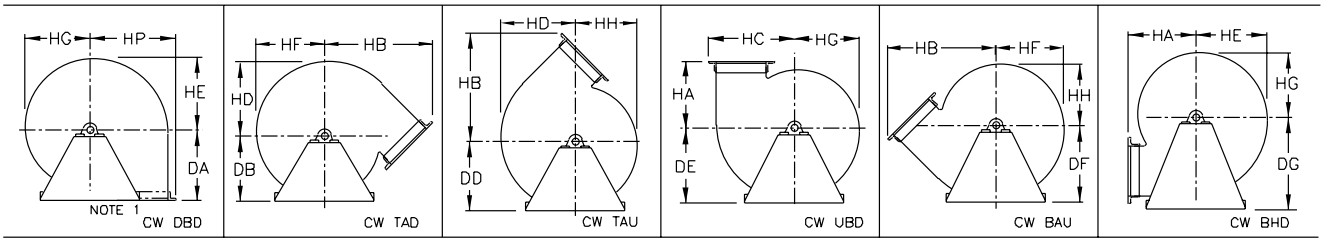


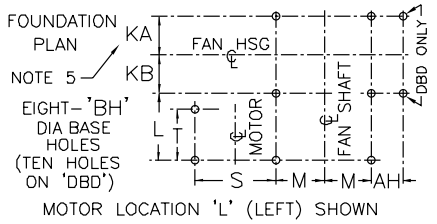
CW THD
NON-ROTATABLE





WITH OPTIONAL
FLANGED INLET





MOTOR LOCATION 'L' (LEFT) SHOWN

NOTES:

1. Outlet flanges punched per drawing AC15146 except DBD is punched per foundation plan. DBD "punched" outlet flange is per drawing AC15149.
2. CW rotation is shown. CCW rotation is similar but opposite.
3. Standard Arrangement 9F motor location is 'left' for CW rotation and 'right' for CCW rotation (unless otherwise specified). Dimension 'FR' is Max. Motor Frame.
4. Optional flanged inlet per drawing AC15143.
5. Use dimension 'KB' for DBD discharge.

FAN SIZE	A	AH	B	BA	BH	C	DA	DB	DC	DD	DE	DF	DG	DX	FR
933	31.50	25.88	28.00	3.00 x 4.00	0.81	33.00	43.00	43.00	43.00	45.00	47.00	49.50	52.50	2.50	445T
937	35.19	28.75	31.50	3.00 x 4.00	0.81	37.00	47.88	47.88	47.88	50.50	53.00	55.75	58.50	2.50	445T
941	38.94	32.63	34.81	3.50 x 5.00	0.81	41.00	52.75	52.75	52.75	55.25	58.25	61.00	64.25	2.50	445T
945	42.75	35.56	38.19	4.00 x 6.00	0.81	45.00	59.00	59.00	59.00	62.00	65.00	68.00	72.00	3.00	445T
949	46.63	34.88	41.50	4.00 x 6.00	0.81	49.00	64.00	64.00	64.00	67.00	69.75	74.00	80.00	3.00	445T
954	51.13	37.69	45.50	4.00 x 6.00	0.81	54.63	70.25	70.25	70.25	73.50	77.00	81.00	86.00	3.00	445T
960	57.00	41.94	50.75	4.00 x 6.00	0.81	60.63	78.00	78.00	78.00	81.75	85.50	90.00	96.00	3.00	445T

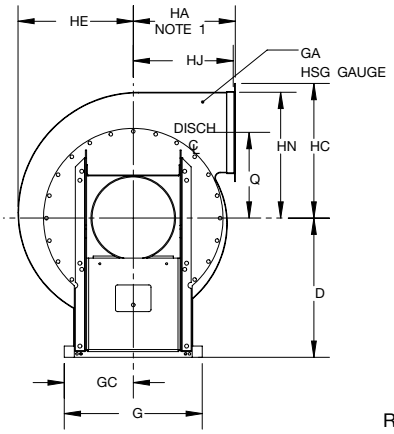
FAN SIZE	G	GA	GB	GC	H	HA	HB	HC	HD	HE	HF	HG	HH	HP	J	JA
933	54.00	7	7	27.00	78.19	36.50	62.44	51.75	47.06	44.88	42.69	40.50	38.31	53.25	18.25	19.25
937	60.00	0.25	7	30.00	81.69	40.75	69.56	57.63	52.69	50.25	47.81	45.38	42.94	59.13	20.00	21.00
941	65.50	0.25	7	32.75	90.44	48.50	79.25	63.50	58.31	55.63	52.94	50.25	47.56	66.00	22.69	23.69
945	73.00	0.25	7	36.50	94.81	49.81	84.69	69.94	63.94	61.00	58.06	55.13	52.19	72.94	25.38	26.38
949	86.50	0.25	0.25	43.25	107.31	54.25	92.13	76.00	69.75	66.56	63.31	60.13	56.88	79.00	27.00	28.06
954	94.50	0.31	0.31	47.25	117.13	59.25	100.50	82.81	76.31	72.81	69.31	65.81	62.31	85.81	29.06	30.06
960	104.88	0.31	0.31	52.44	122.38	66.19	112.06	92.25	85.31	81.38	77.44	73.50	69.56	95.25	31.69	32.69

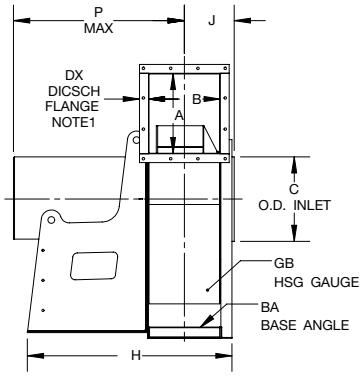
FAN SIZE	KA	KB	KL	KS	L	M	N	P	Q	S	SD	SE	T	V	WHEEL DIAMETER
933	16.38	16.13	9.25	0.88 x 0.44	40.13	25.50	1.88	68.88	33.50	46.56	3.44	10.50	36.88	73.44	57.50
937	18.13	17.88	9.25	0.88 x 0.44	40.13	28.50	1.88	70.63	37.56	46.56	3.44	10.50	36.88	76.44	64.38
941	20.31	20.06	9.25	1.00 x 0.50	43.50	31.00	2.38	76.81	41.56	46.81	3.94	10.63	39.75	79.19	71.25
945	22.50	22.25	9.25	1.00 x 0.50	42.50	34.50	2.88	78.50	45.56	46.81	3.94	10.63	38.25	82.94	78.25
949	24.13	23.88	9.25	1.00 x 0.50	51.75	41.25	2.88	89.38	49.69	46.81	4.44	10.63	47.50	89.69	85.25
954	26.19	25.88	9.25	1.25 x 0.63	57.50	45.25	2.88	97.25	54.25	46.81	5.44	10.75	53.25	93.69	93.75
960	28.81	28.50	9.25	1.50 x 0.75	57.50	50.44	2.88	100.13	60.75	47.13	5.94	11.00	53.25	98.88	104.25

AC15135B

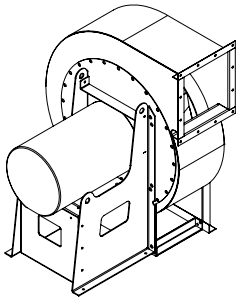
Dimensions are not to be used for construction. Certified drawings are available upon request.

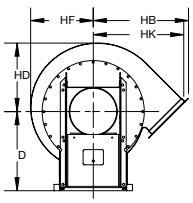
RBA & RBW, Arr. 4: Class 22



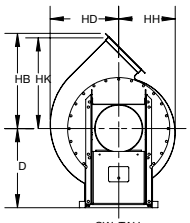


CW THD
ROTATABLE

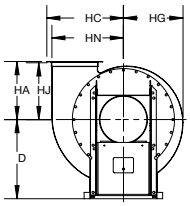




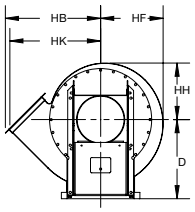
CW TAD



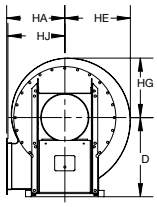
CW TAU



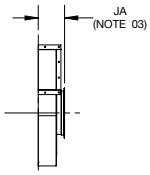
CW UBD



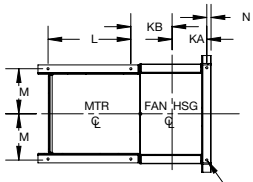
CW BAU



CW BHD



WITH OPTIONAL
FLANGED INLET



FOUNDATION PLAN

NOTES:
1. Outlet flanges are optional. Flanges are punched per drawing AC15146.
2. CW rotation is shown. CCW rotation is similar but opposite.
3. Optional flanged inlet per drawing AC15143.

FAN SIZE	A	B	BA	BH	C	D	DX	G	GA	GB	GC	H	HA
907	6.81	6.06	1.50 x 1.50	0.44	7.00	14.25	1.25	16.00	12	12	8.00	24.38	9.56
909	8.63	7.69	1.50 x 1.50	0.44	9.00	15.25	1.25	19.50	12	12	9.75	32.00	11.13
911	10.56	9.44	2.00 x 2.00	0.56	11.00	18.75	1.50	20.00	10	10	10.00	34.50	14.25
913	12.44	11.13	2.00 x 2.00	0.56	13.00	21.75	1.50	23.00	10	10	11.50	36.38	15.88
915	14.31	12.81	2.50 x 2.50	0.56	15.00	25.25	1.50	26.00	10	10	13.00	40.13	18.25
917	16.25	14.50	2.50 x 2.50	0.56	17.00	28.25	1.50	29.25	10	10	14.63	43.31	20.63
919	18.06	16.13	2.50 x 2.50	0.56	19.00	31.25	2.00	31.00	10	10	15.50	45.94	22.94

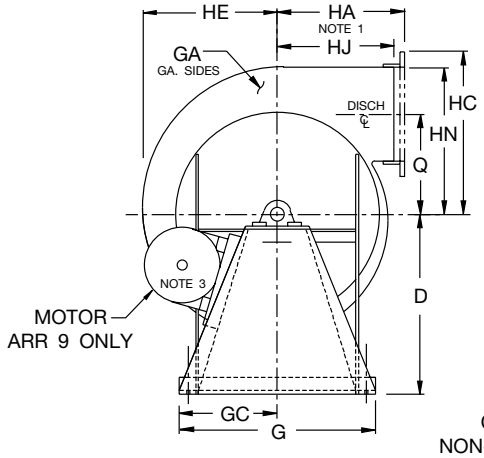
FAN SIZE	HB	HC	HD	HE	HF	HG	HH	HJ	HK	HN	J	JA	KA
907	15.09	11.81	10.13	9.69	9.25	8.81	8.38	9.06	13.86	10.56	4.69	5.69	4.06
909	18.31	14.75	12.94	12.38	11.81	11.25	10.69	10.63	17.06	13.50	5.50	6.50	4.88
911	22.76	17.94	15.75	15.06	14.38	13.69	13.00	13.75	21.36	16.44	6.88	8.38	6.00
913	26.06	20.94	18.63	17.81	17.00	16.19	15.38	15.38	24.63	19.44	7.69	9.19	6.81
915	29.81	23.88	21.50	20.50	19.56	18.63	17.69	17.75	28.38	22.38	9.06	10.06	7.94
917	33.63	26.88	24.31	23.25	22.19	21.13	20.06	20.13	32.19	25.38	9.88	10.88	8.75
919	37.63	30.25	27.06	25.88	24.69	23.50	22.31	22.44	35.88	28.25	10.69	11.69	9.56

FAN SIZE	KB	L	M	N	P	Q	MOTOR FRAME SIZE	
							MIN	MAX
907	5.44	12.38	7.38	0.63	21.69	7.19	143T	184T
909	6.25	18.75	9.25	0.63	23.25	9.19	143T	256T
911	7.06	19.00	9.13	0.88	26.88	11.19	143T	256T
913	8.06	18.13	9.25	0.88	29.44	13.25	143T	256T
915	8.88	19.13	10.25	1.13	35.06	15.25	182T	286T
917	9.75	19.50	11.25	1.13	38.88	17.25	213T	326T
919	10.63	22.00	12.25	1.13	42.75	19.25	254T	365T

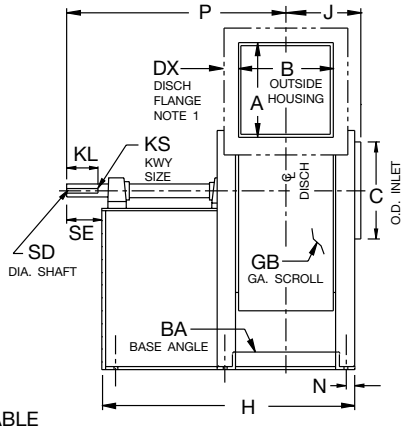
BC1007134C

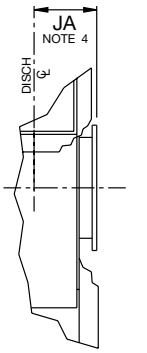
Dimensions are not to be used for construction. Certified drawings are available upon request.

RBO, RBA & RBW, Arr. 1 & 9: Class 32

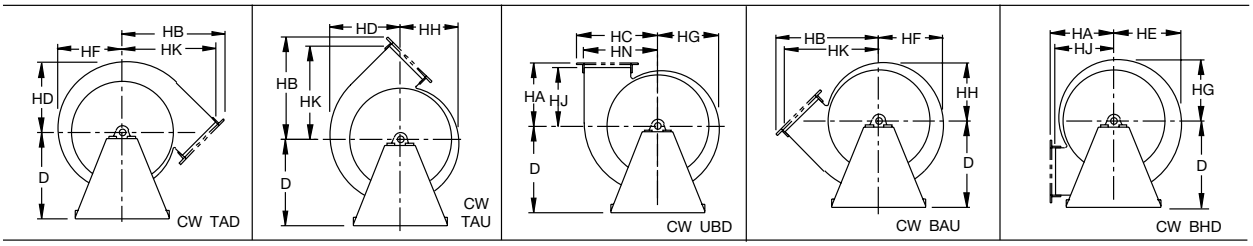


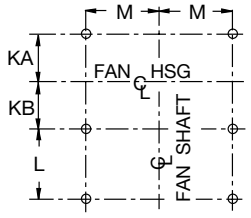
CW THD
NON-ROTATABLE





WITH OPTIONAL
FLANGED INLET





SIX 'BH' DIA. BASE HOLES
(EIGHT HOLES ON 'DBD')

FOUNDATION PLAN

NOTES:
1. Outlet flanges are optional. Flanges are punched per drawing AC15147.
2. CW rotation is shown. CCW rotation is similar but opposite.
3. Arrg. 9 motor location is 'left' for CW rotation and 'right' for CCW rotation. Dimension 'FR' is Max. Motor Frame on Arr. 9.
4. Optional flanged inlet per drawing AC15143.

FAN SIZE	A	B	BA	BH	C	D		DX	FR (ARR. 9)	G	GA	GB	GC
						ARR. 1	ARR. 9						
911	10.69	9.56	2.00 x 2.00	0.56	11.00	18.75	27.75	1.50	256T	20.25	7	7	10.13
913	12.56	11.25	2.00 x 2.00	0.56	13.00	21.75	32.00	1.50	286T	23.25	7	7	11.63
915	14.44	12.94	2.50 x 2.50	0.56	15.00	25.25	32.00	1.50	286T	26.25	7	7	13.13
917	16.38	14.63	2.50 x 2.50	0.81	17.00	28.25	36.00	1.50	326T	29.50	7	7	14.75
919	18.19	16.25	2.50 x 2.50	0.81	19.00	31.25	41.25	2.00	365T	31.25	7	7	15.63

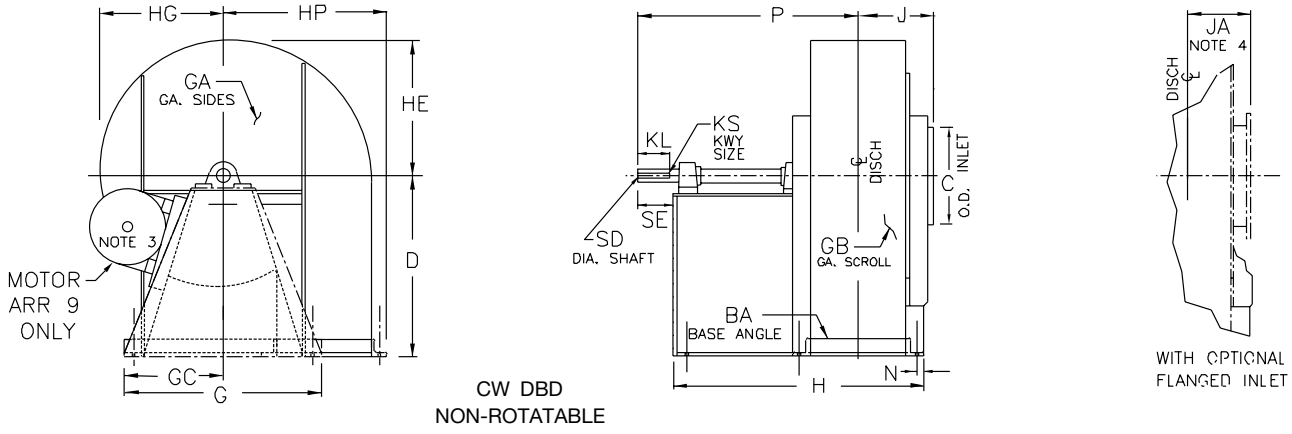
FAN SIZE	H		HA	HB	HC	HD	HE	HF	HG	HH	HJ	HK	HN	J	JA
	ARR. 1	ARR. 9													
911	28.44	40.31	13.50	22.31	18.00	15.81	15.13	14.44	13.75	13.06	13.00	20.88	16.50	7.00	8.50
913	31.38	43.75	15.88	26.13	21.00	18.69	17.88	17.06	16.25	15.44	15.38	24.69	19.50	7.81	9.31
915	38.31	47.19	18.25	29.88	23.94	21.50	20.56	19.63	18.69	17.75	17.75	28.44	22.44	9.19	10.19
917	42.00	50.38	20.63	33.69	26.94	24.38	23.31	22.25	21.19	20.13	20.13	32.25	25.44	10.00	11.00
919	46.13	57.50	22.94	37.69	30.31	27.13	25.94	24.75	23.56	22.38	22.44	35.94	28.31	10.81	11.81

FAN SIZE	K	KL	KS	L		M	N	P		Q	SD	SE	WHEEL DIAMETER
				ARR. 1	ARR. 9			ARR. 1	ARR. 9				
911	6.13	5.38	0.50 x 0.25	14.19	26.06	9.13	0.88	27.44	39.31	11.19	1.94	6.00	19.13
913	6.94	6.00	0.50 x 0.25	15.50	27.88	10.63	0.88	30.31	42.69	13.25	1.94	6.75	22.63
915	8.06	6.00	0.63 x 0.31	19.69	28.56	11.88	1.13	35.88	44.75	15.25	2.44	6.75	26.13
917	8.88	6.63	0.63 x 0.31	21.75	30.13	13.50	1.13	39.63	48.00	17.25	2.44	7.63	29.63
919	9.69	8.00	0.75 x 0.38	24.25	35.63	14.38	1.13	44.44	55.81	19.25	2.94	9.13	33.00

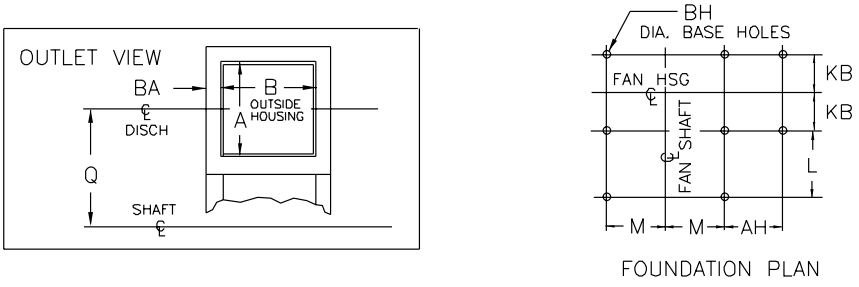
AC15065

Dimensions are not to be used for construction. Certified drawings are available upon request.

RBO, RBA, RBP & RBW, Arr. 1 & 9: Class 32



CW DBD
NON-ROTATABLE



FOUNDATION PLAN

MOTOR LOCATION 'L' (LEFT) SHOWN

NOTES:
1. Outlet flange is formed by base angles and are punched per foundation plan. For 'punched' outlet, see drawing AC15393.
2. CW rotation is shown. CCW rotation is similar but opposite.
3. Standard Arrangement 9 & 9F motor location is 'left' for CW rotation and 'right' for CCW rotation (unless otherwise specified). Dimension 'FR' is Max. Motor Frame.
4. Optional flanged inlet per drawing AC15143.

FAN SIZE	A	AH	B	BA	BH	C	D		FR	G	GA	GB	GC
							ARR. 1	ARR. 9	ARR. 9				
911	10.69	8.50	9.56	2.00 x 2.00	0.56	11.00	18.75	27.75	256T	20.25	7	7	10.13
913	12.56	10.00	11.25	2.00 x 2.00	0.56	13.00	21.75	32.00	286T	23.25	7	7	11.63
915	14.44	11.94	12.94	2.50 x 2.50	0.56	15.00	25.25	32.00	286T	26.25	7	7	13.13
917	16.38	13.31	14.63	2.50 x 2.50	0.81	17.00	28.25	36.00	326T	29.50	7	7	14.75
919	18.19	15.31	16.25	2.50 x 2.50	0.81	19.00	31.25	41.25	365T	31.25	7	7	15.63

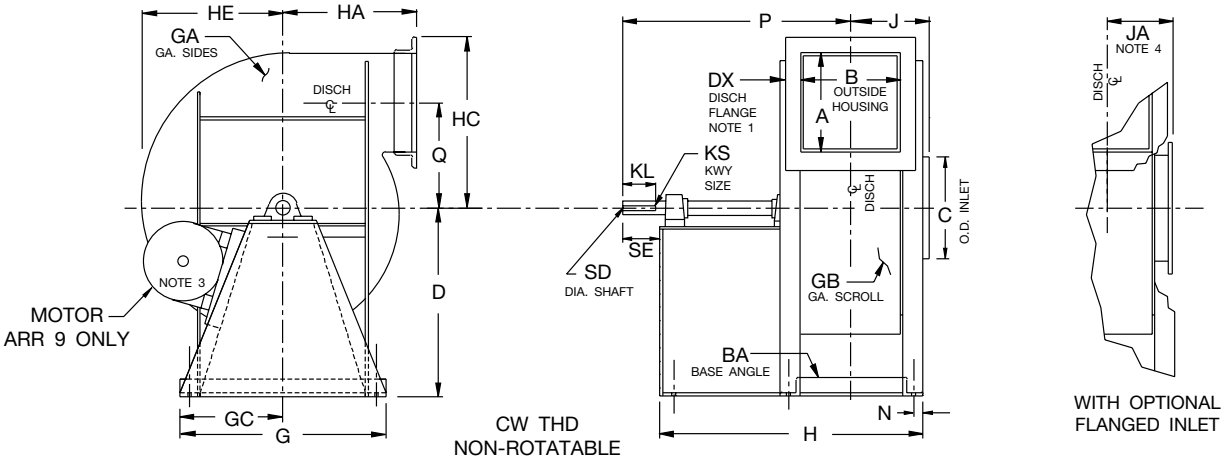
FAN SIZE	H		HE	HG	HP	J	JA	KB	KL	KS	L	
	ARR. 1	ARR. 9									ARR. 1	ARR. 9
911	28.13	39.94	15.13	13.75	18.50	7.00	8.50	5.94	5.38	0.50 x 0.25	14.19	26.06
913	31.00	43.38	17.88	16.25	21.50	7.81	9.31	6.75	6.00	0.50 x 0.25	15.50	27.88
915	38.00	46.81	20.56	18.69	24.94	9.19	10.19	7.88	6.00	0.63 x 0.31	19.69	28.56
917	41.63	50.00	23.31	21.19	27.94	10.00	11.00	8.69	6.63	0.63 x 0.31	21.75	30.13
919	45.75	57.13	25.94	23.56	30.81	10.81	11.81	9.50	8.00	0.75 x 0.38	24.25	35.63

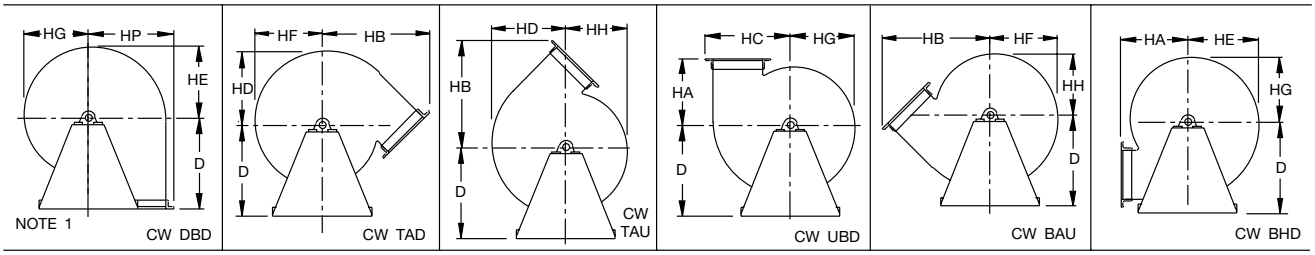
FAN SIZE	M	N	P		Q	SD	SE	WHEEL DIAMETER
			ARR. 1	ARR. 9				
911	9.13	0.88	27.31	39.19	11.19	1.94	6.00	19.13
913	10.63	0.88	30.13	42.50	13.25	1.94	6.75	22.63
915	11.88	1.13	35.75	44.63	15.25	2.44	6.75	26.13
917	13.50	1.13	39.44	47.81	17.25	2.44	7.63	29.63
919	14.38	1.13	44.25	55.63	19.25	2.94	9.13	33.00

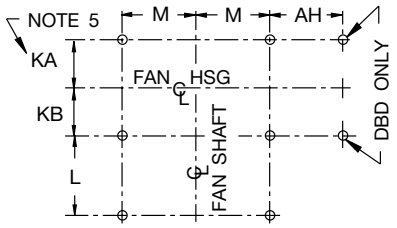
AC15072F

Dimensions are not to be used for construction. Certified drawings are available upon request.

RBO, RBA, RBP, RBW & RBR
Arr. 1 & 9: Class 32







SIX 'BH' DIA. BASE HOLES
(EIGHT HOLES ON 'DBD')

FOUNDATION PLAN

NOTES:
1. Outlet flanges punched per drawing AC15147 except 'DBD' is punched per foundation plan. DBD "punched" outlet is per drawing AC15393.
2. CW rotation is shown. CCW rotation is similar but opposite.
3. Arrg. 9 motor location is 'left' for CW rotation and 'right' for CCW rotation. Dimension 'FR' is Max. Motor Frame on Arr. 9.
4. Optional flanged inlet per drawing AC15143.
5. Use dimension 'KB' for DBD discharge.

FAN SIZE	A	AH	B	BA	BH	C	D		DX	FR (ARR. 9)	G	GA	GB
							ARR. 1	ARR. 9					
921	20.13	15.81	17.94	3.00 x 3.00	0.81	21.00	34.50	41.25	2.00	365T	37.25	7	7
923	22.00	17.31	19.75	3.00 x 3.00	0.81	23.00	37.50	41.25	2.00	365T	40.25	0.25	7
926	24.94	19.44	22.25	3.00 x 3.00	0.81	26.00	41.75	41.75	2.50	405T	44.75	0.25	0.25
929	27.81	21.63	24.75	3.00 x 3.00	0.81	29.00	46.50	46.50	2.50	405T	49.75	0.25	0.25

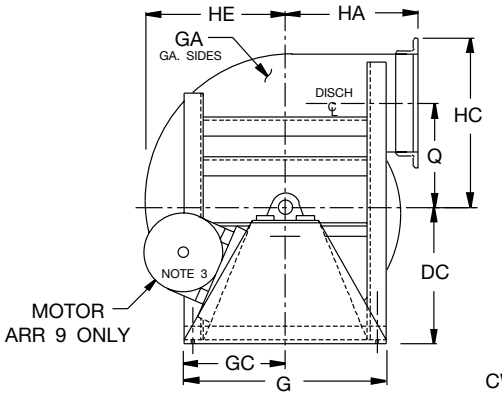
FAN SIZE	GC	H		HA	HB	HC	HD	HE	HF	HG	HH	HP	J	JA	KA
		ARR. 1	ARR. 9												
921	18.63	49.63	60.00	23.50	40.19	33.31	29.94	28.56	27.19	25.81	24.44	34.31	12.19	13.19	10.81
923	20.13	53.00	61.88	26.50	44.44	36.31	32.81	31.25	29.75	28.19	26.69	37.31	13.13	14.13	11.75
926	22.38	56.50	64.38	29.00	49.69	41.19	37.00	35.31	33.63	31.94	30.25	41.69	14.38	15.38	13.00
929	24.88	60.00	66.88	31.75	54.94	45.88	41.44	39.56	37.63	35.75	33.81	46.38	15.63	16.63	14.25

FAN SIZE	KB	KL	KS	L		M	N	P		Q	SD	SE	WHEEL DIAMETER
				ARR. 1	ARR. 9			ARR. 1	ARR. 9				
921	10.63	8.00	0.75 x 0.38	25.19	35.56	17.13	1.38	46.56	56.94	21.25	2.937	9.13	36.50
923	11.50	8.00	0.88 x 0.44	26.75	35.63	18.63	1.38	49.13	58.00	23.31	3.437	9.25	40.00
926	12.75	8.00	0.88 x 0.44	27.75	35.63	20.88	1.38	51.38	59.25	26.19	3.437	9.25	45.13
929	14.00	8.00	1.00 x 0.50	28.75	35.63	23.38	1.38	53.75	60.63	29.50	3.937	9.38	50.50

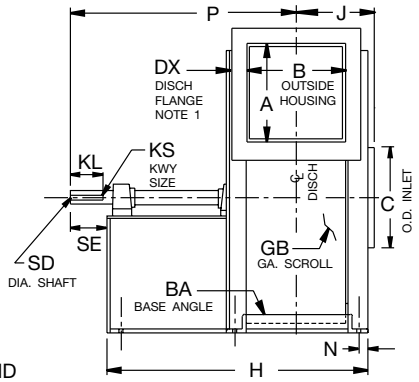
AC15066

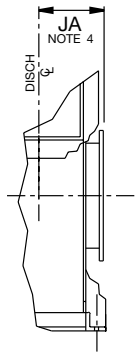
Dimensions are not to be used for construction. Certified drawings are available upon request.

RBA, RBR & RBW, Arr. 1 & 9: Class 32

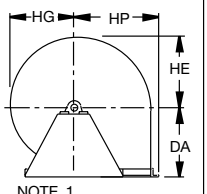


CW THD
NON-ROTATABLE

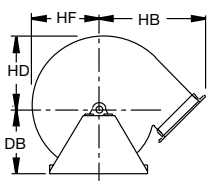




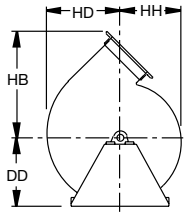
WITH OPTIONAL
FLANGED INLET



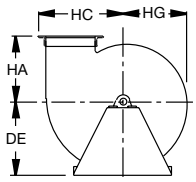
CW DBD



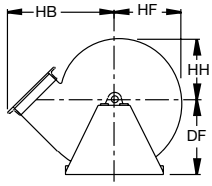
CW TAD



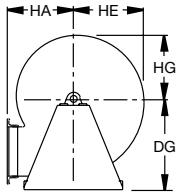
CW TAU



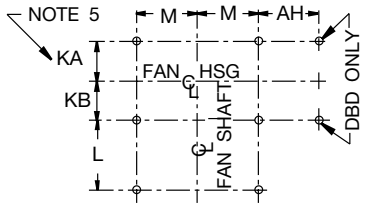
CW UBD



CW BAU



CW BHD



SIX 'BH' DIA. BASE HOLES
(EIGHT HOLES ON 'DBD')

FOUNDATION PLAN

NOTES:
1. Outlet flanges punched per drawing AC15147 except DBD is punched per foundation plan. DBD "punched" outlet is per drawing AC15393.
2. CW rotation is shown. CCW rotation is similar but opposite.
3. Arrg. 9 motor location is 'left' for CW rotation and 'right' for CCW rotation. Dimension 'FR' is Max. Motor Frame on Arr. 9
4. Optional flanged inlet per drawing AC15143.
5. Use dimension 'KB' for DBD discharge.

FAN SIZE	A	AH	B	BA	BH	C	DA	DB	DC	DD	DE	DF	DG	DX
933	31.63	25.94	28.13	3.00 x 4.00	0.81	33.00	43.00	43.00	43.00	45.00	47.00	49.50	52.50	2.50
937	35.31	28.81	31.50	3.00 x 4.00	0.81	37.00	47.88	47.88	47.88	50.50	53.00	55.75	58.50	2.50
941	39.06	32.69	34.81	3.50 x 5.00	0.81	41.00	52.75	52.75	52.75	55.25	58.25	61.00	64.25	2.50
945	42.88	35.56	38.19	4.00 x 6.00	0.81	45.00	59.00	59.00	59.00	62.00	65.00	68.00	72.00	3.00
949	46.63	34.88	41.50	4.00 x 6.00	0.81	49.00	64.00	64.00	64.00	67.00	69.75	74.00	80.00	3.00

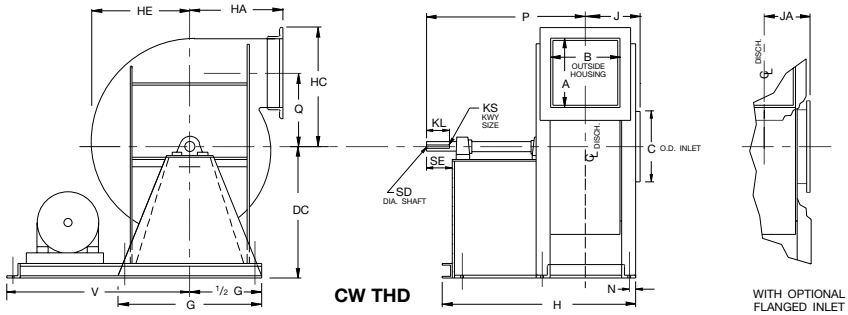
FAN SIZE	FR (ARR. 9)	G	GA	GB	GC	H	HA	HB	HC	HD	HE	HF	HG	HH	HP
933	405T	54.00	0.25	0.25	27.00	71.75	36.50	62.50	51.81	47.13	44.94	42.75	40.56	38.38	53.31
937	405T	60.00	0.25	0.25	30.00	75.13	40.75	69.63	57.69	52.75	50.31	47.88	45.44	43.00	59.19
941	405T	65.50	0.25	0.25	32.75	80.50	48.50	79.25	63.56	58.38	55.69	53.00	50.31	47.63	66.06
945	405T	73.00	0.25	0.25	36.50	85.88	49.81	84.69	69.94	64.00	61.06	58.13	55.19	52.25	72.94
949	405T	86.50	0.25	0.25	43.25	89.13	54.25	92.13	76.00	69.75	66.56	63.31	60.13	56.88	79.00

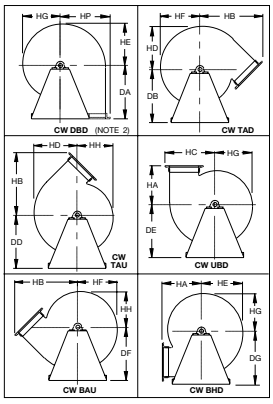
FAN SIZE	J	JA	KA	KB	KL	KS	L	M	N	P	Q	SD	SE	WHEEL DIAMETER
933	18.31	19.31	16.44	16.19	8.00	1.00 x 0.50	35.13	25.50	1.88	62.81	33.50	3.937	9.38	57.50
937	20.00	21.00	18.13	17.88	8.00	1.25 x 0.63	35.13	28.50	1.88	64.63	37.56	4.937	9.50	64.38
941	22.75	23.75	20.31	20.06	8.00	1.25 x 0.63	35.13	31.00	2.38	67.31	41.56	4.937	9.50	71.25
945	25.44	26.44	22.50	22.25	8.00	1.25 x 0.63	35.13	34.50	2.88	70.00	45.56	4.937	9.50	78.25
949	27.06	28.06	24.13	23.88	8.00	1.25 x 0.63	35.13	41.25	2.88	71.63	49.69	5.437	9.50	85.25

AC15067A

Dimensions are not to be used for construction. Certified drawings are available upon request.

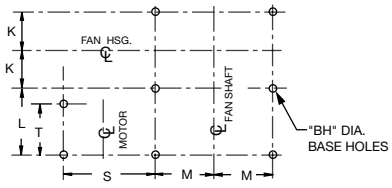
RBA, RBO, RBR, RBP & RBW, Arr. 9F: Class 32



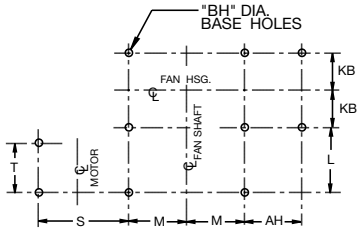


NOTES:
1. Clockwise (CW) rotation shown. Counterclockwise (CCW) rotation is similar but opposite.
2. Sizes 911 through 919 are rotatable. Sizes 921 through 949 are non-rotatable. All DBD discharge are non-rotatable.
3. Optional flanged inlet is shown. See drawing AC15143 for dimensional data.
4. Punched outlet flange is optional on sizes 911 through 919 and standard on sizes 921 through 949. See drawing AC15147 for dimensional data.
5. Standard Arr. 9F motor location is on the left for CW rotation units, and on the right for CCW rotation units (unless otherwise specified.)
6. Use dimension 'KB' in place of 'KA' for DBD.
7. For DBD punched outlet flange, see drawing AC15150.

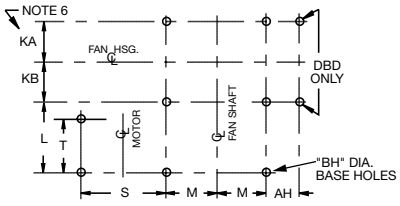
SIZES 911 – 919 (ALL DISCHARGES EXCEPT DBD)



SIZES 911 – 919 (DBD ONLY)



SIZES 921 – 949 (ALL DISCHARGES)



FAN SIZE	A	AH	B	BH	C	DA	DB	DC	DD	DE	DF	DG	G	H		HA
														DBD	OTHERS	
911	10.69	8.50	9.56	0.56	11.00	18.75	18.75	18.75	18.75	18.75	18.75	18.75	20.25	38.56	38.94	13.50
913	12.56	10.00	11.25	0.56	13.00	21.75	21.75	21.75	21.75	21.75	21.75	21.75	23.25	42.69	43.06	15.88
915	14.44	11.94	12.94	0.56	15.00	25.25	25.25	25.25	25.25	25.25	25.25	25.25	26.25	45.44	45.81	18.25
917	16.38	13.31	14.63	0.81	17.00	28.25	28.25	28.25	28.25	28.25	28.25	28.25	29.50	48.69	49.06	20.63
919	18.19	15.31	16.25	0.81	19.00	31.25	31.25	31.25	31.25	31.25	31.25	31.25	31.25	57.56	57.94	22.94
921	20.13	15.81	17.94	0.81	21.00	34.50	34.50	34.50	34.50	34.50	34.50	34.50	37.25	60.50	60.50	23.50
923	22.00	17.31	19.75	0.81	23.00	37.50	37.50	37.50	37.50	37.50	37.50	37.50	40.25	67.94	67.94	26.50
926	24.94	19.44	22.25	0.81	26.00	41.75	41.75	41.75	41.75	41.75	41.75	41.75	44.75	70.44	70.44	29.00
929	27.81	21.63	24.75	0.81	29.00	46.50	46.50	46.50	46.50	46.50	46.50	46.50	49.75	72.94	72.94	31.75
933	31.63	25.94	28.13	0.81	33.00	43.00	43.00	43.00	45.00	47.00	49.50	52.50	54.00	78.31	78.31	36.50
937	35.31	28.81	31.50	0.81	37.00	47.88	47.88	47.88	50.50	53.00	55.75	58.50	60.00	81.69	81.69	40.75
941	39.06	32.69	34.81	0.81	41.00	52.75	52.75	52.75	55.25	58.25	61.00	64.25	65.50	90.44	90.44	48.50
945	42.88	35.56	38.19	0.81	45.00	59.00	59.00	59.00	62.00	65.00	68.00	72.00	73.00	94.81	94.81	49.81
949	46.63	34.88	41.50	0.81	49.00	64.00	64.00	64.00	67.00	69.75	74.00	80.00	86.50	98.06	98.06	54.25

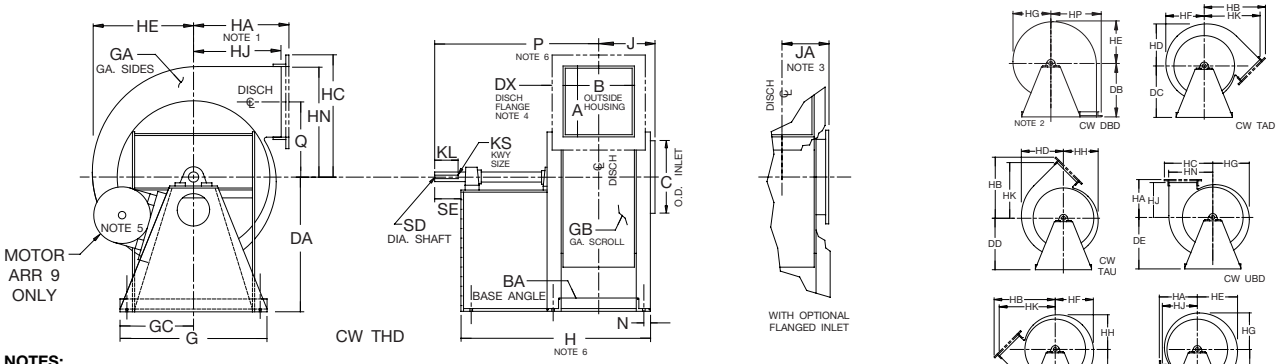
FAN SIZE	HB	HC	HD	HE	HF	HG	HH	HP	J	JA	K	KA	KB	KL	KS
911	22.31	18.00	15.81	15.13	14.44	13.75	13.06	18.50	7.00	8.50	6.13	—	5.94	5.38	0.50 x 0.25
913	26.13	21.00	18.69	17.88	17.06	16.25	15.44	21.50	7.81	9.31	6.94	—	6.75	6.00	0.50 x 0.25
915	29.88	23.94	21.50	20.56	19.63	18.69	17.75	24.94	9.19	10.19	8.06	—	7.88	6.00	0.63 x 0.31
917	33.69	26.94	24.38	23.31	22.25	21.19	20.13	27.94	10.00	11.00	8.88	—	8.69	6.63	0.63 x 0.31
919	37.69	30.31	27.13	25.94	24.75	23.56	22.38	30.81	10.81	11.81	9.69	—	9.50	8.00	0.75 x 0.38
921	40.19	33.31	29.94	28.56	27.19	25.81	24.44	34.31	12.19	13.19	—	10.81	10.63	8.00	0.75 x 0.38
923	44.44	36.31	32.81	31.25	29.75	28.19	26.69	37.31	13.13	14.13	—	11.75	11.50	9.25	0.88 x 0.44
926	49.63	41.19	37.00	35.31	33.63	31.94	30.25	41.69	14.38	15.38	—	13.00	12.75	9.25	0.88 x 0.44
929	54.88	45.88	41.44	39.56	37.63	35.75	33.81	46.38	15.63	16.63	—	14.25	14.00	9.25	1.00 x 0.50
933	62.44	51.81	47.13	44.94	42.75	40.56	38.38	53.31	18.31	19.31	—	16.44	16.19	9.25	1.00 x 0.50
937	69.63	57.69	52.75	50.31	47.88	45.44	43.00	59.19	20.00	21.00	—	18.13	17.88	9.25	1.25 x 0.63
941	79.25	63.56	58.38	55.69	53.00	50.25	47.63	66.06	22.75	23.75	—	20.31	20.06	9.25	1.25 x 0.63
945	84.75	70.00	64.00	61.06	58.13	55.19	52.25	73.00	25.44	26.44	—	22.50	22.25	9.25	1.25 x 0.63
949	92.13	76.00	69.75	66.56	63.31	60.13	56.88	79.00	27.06	28.06	—	24.13	23.88	9.25	1.25 x 0.63

FAN SIZE	L		M	N	P		Q	S	SD	SE	T		V		MAX. MOTOR FRAME SIZE
	DBD	OTHERS			DBD	OTHERS					DBD	OTHERS	DBD	OTHERS	
911	23.25	23.38	9.13	0.88	36.44	36.63	11.19	30.50	1.94	6.00	21.00	21.13	41.00	41.00	286T
913	25.75	25.75	10.63	0.88	40.38	40.56	13.25	34.75	1.94	6.75	23.50	23.50	46.75	46.75	326T
915	25.75	25.75	11.88	1.13	41.75	41.94	15.25	35.00	2.44	6.75	23.25	23.25	48.25	48.25	326T
917	27.38	27.38	13.50	1.13	45.06	45.25	17.25	39.13	2.44	7.63	24.88	24.88	54.00	54.00	365T
919	34.50	34.50	14.38	1.13	54.50	54.69	19.25	44.25	2.94	9.13	32.00	32.00	60.00	60.00	405T
921	34.50	34.50	17.13	1.38	55.88	55.88	21.25	44.50	2.94	9.13	31.75	31.75	63.00	63.00	405T
923	40.13	40.13	18.63	1.38	63.75	63.75	23.31	48.00	3.44	10.50	37.38	37.38	68.00	68.00	445T
926	40.13	40.13	20.88	1.38	65.00	65.00	26.25	48.00	3.44	10.50	37.38	37.38	70.25	70.25	445T
929	40.13	40.13	23.38	1.38	66.38	66.38	29.50	48.00	3.94	10.63	37.38	37.38	72.75	72.75	445T
933	40.13	40.13	25.50	1.88	69.06	69.06	33.50	48.00	3.94	10.63	36.88	36.88	74.88	74.88	445T
937	40.13	40.13	28.50	1.88	70.88	70.88	37.56	48.00	4.94	10.75	36.88	36.88	77.88	77.88	445T
941	43.50	43.50	31.00	2.38	76.94	76.94	41.56	48.25	4.94	10.75	39.75	39.75	80.63	80.63	445T
945	42.50	42.50	34.50	2.88	78.63	78.63	45.50	48.50	4.94	10.75	38.25	38.25	84.38	84.38	445T
949	42.50	42.50	41.25	2.88	80.25	80.25	49.63	48.50	5.44	10.75	38.25	38.25	91.13	91.13	445T

AC15072F AC15136A AC15137A AC15138B

Dimensions are not to be used for construction. Certified drawings are available upon request.

RBO, RBA, RBP & RBR, Arr. 1 & 9: Class 45



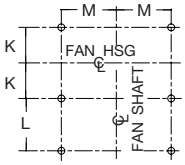
NOTES:

1. Clockwise (CW) rotation shown. Counterclockwise (CCW) rotation is similar but opposite.
2. Sizes 913 through 919 are rotatable. Sizes 921 through 941 are non-rotatable. All DBD discharges are non-rotatable.
3. Optional flanged inlet is shown. See AC15143 for dimensional data.
4. Punched outlet flange is optional on sizes 913 through 919 and standard on sizes 921 through 941. See drawing AC15148 for dimensional data.
5. Standard Arr. 9 motor location is on the left for CW rotation units, and on the right for CCW rotation units (unless otherwise specified).

▲ 6. Dimensions vary slightly for DBD. Contact factory for dimensions.

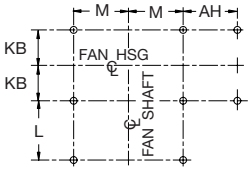
7. For DBD punched outlet flange, see drawing AC15394.

SIZES 913 – 919
(ALL DISCHARGES EXCEPT DBD)



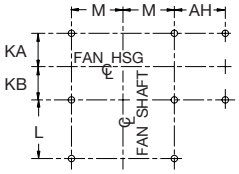
SIX 'BH' DIA.
BASE HOLES
FOUNDATION PLAN

SIZES 913 – 941
(DBD ONLY)



EIGHT 'BH' DIA. BASE HOLES
FOUNDATION PLAN

SIZES 921 – 941
(ALL DISCHARGES EXCEPT DBD)



SIX 'BH' DIA. BASE HOLES
FOUNDATION PLAN

SIZE	A	AH	B	BA	BH	C	DA / DB / DC		DD		DE		DF		DG		DX	G	GA	GB
							ARR. 1	ARR. 9	ARR. 1	ARR. 9	ARR. 1	ARR. 9	ARR. 1	ARR. 9	ARR. 1	ARR. 9				
913	12.56	10.00	11.25	2.00 x 2.00	0.69	13.00	21.75	36.00	21.75	36.00	21.75	36.00	21.75	36.00	21.75	36.00	1.50	23.25	7	7
915	14.44	11.94	12.94	2.50 x 2.50	0.81	15.00	25.25	41.00	25.25	41.00	25.25	41.00	25.25	41.00	25.25	41.00	1.50	26.25	7	7
917	16.50	13.38	14.75	2.50 x 2.50	0.94	17.00	28.25	41.25	28.25	41.25	28.25	41.25	28.25	41.25	28.25	41.25	1.50	29.50	0.25	0.25
919	18.31	15.38	16.38	2.50 x 2.50	0.94	19.00	31.25	41.25	31.25	41.25	31.25	41.25	31.25	41.25	31.25	41.25	2.00	31.25	0.25	0.25
921	20.25	15.88	18.06	3.00 x 3.00	0.94	21.00	34.50	41.25	34.50	41.25	34.50	41.25	34.50	41.25	34.50	41.25	2.00	37.25	0.25	0.25
923	22.13	17.38	19.75	3.00 x 3.00	0.94	23.00	37.50	41.25	37.50	41.25	37.50	41.25	37.50	41.25	37.50	41.25	2.00	40.25	0.25	0.25
926	24.94	19.44	22.25	3.00 x 3.00	0.94	26.00	41.75	41.75	41.75	41.75	41.75	41.75	41.75	41.75	41.75	41.75	2.50	44.75	0.25	0.25
929	27.81	21.63	24.75	3.00 x 3.00	0.94	29.00	46.50	46.50	46.50	46.50	46.50	46.50	46.50	46.50	46.50	46.50	2.50	49.75	0.25	0.25
933	31.63	25.94	28.13	3.00 x 4.00	0.94	33.00	43.00	43.00	45.00	45.00	47.00	47.00	49.50	49.50	52.50	52.50	2.50	54.00	0.25	0.25
937	35.31	28.81	31.50	3.00 x 4.00	1.06	37.00	47.88	47.88	50.50	50.50	53.00	53.00	55.75	55.75	58.50	58.50	2.50	60.00	0.25	0.25
941	39.06	32.69	34.94	3.50 x 5.00	1.06	41.00	52.75	52.75	55.25	55.25	58.25	58.25	61.00	61.00	64.25	64.25	2.50	65.50	0.31	0.25

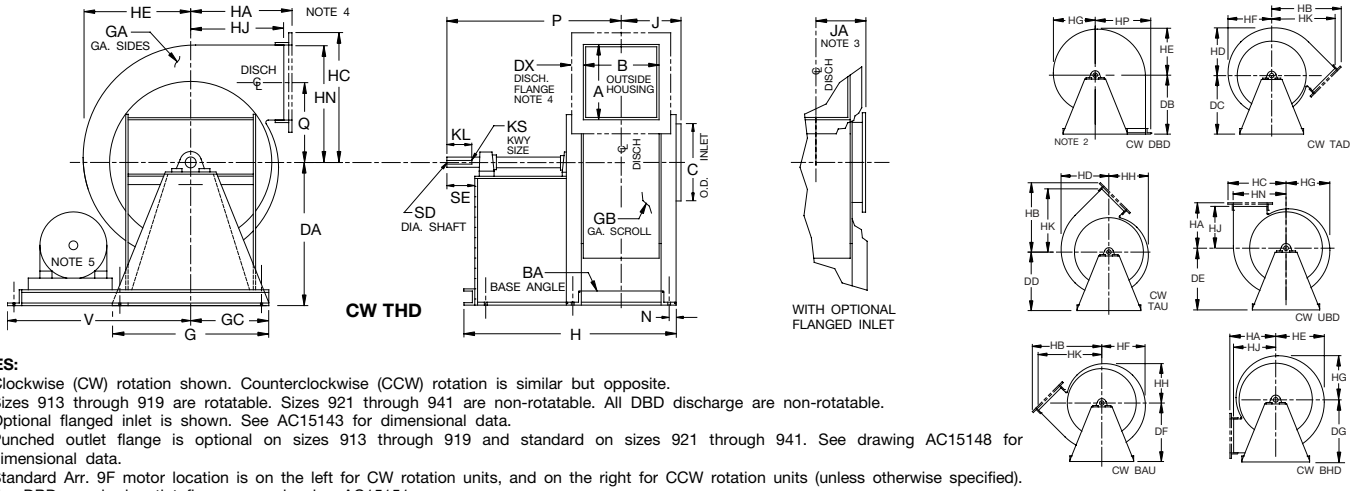
SIZE	GC	H		HA	HB	HC	HD	HE	HF	HG	HH	HJ	HK	HN	HP	J	JA	K	KA	KB
		ARR. 1	ARR. 9																	
913	11.63	31.38▲	46.00▲	15.88	26.13	21.00	18.69	17.88	17.06	16.25	15.44	15.38	24.69	19.50	21.50	7.81	9.31	6.94	—	6.75
915	13.13	38.31▲	54.19▲	18.25	29.88	23.94	21.50	20.56	19.63	18.69	17.75	17.75	28.44	22.44	24.94	9.19	10.19	8.06	—	7.88
917	14.75	42.13▲	56.00▲	20.63	33.69	27.00	24.44	23.38	22.31	21.25	20.19	20.13	32.31	25.50	28.00	10.06	11.06	8.94	—	8.75
919	15.63	46.25▲	57.63▲	22.94	37.75	30.38	27.19	26.00	24.81	23.63	22.44	22.44	35.94	28.38	30.88	10.88	11.88	9.75	—	9.56
921	18.63	49.75	60.13	23.50	40.25	33.38	30.00	28.63	27.25	25.88	24.50	—	—	—	34.38	12.25	13.25	—	10.88	10.69
923	20.13	53.00	61.88	26.50	44.50	36.38	32.88	31.31	29.81	28.25	26.75	—	—	—	37.38	13.13	14.13	—	11.75	11.50
926	22.38	56.50	64.38	29.00	49.69	41.19	37.00	35.31	33.63	31.94	30.25	—	—	—	41.69	14.38	15.38	—	13.00	12.75
929	24.88	60.00	66.88	31.75	54.94	45.88	41.44	39.56	37.63	35.75	33.81	—	—	—	46.38	15.63	16.63	—	14.25	14.00
933	27.00	71.75	71.75	36.50	62.50	51.81	47.13	44.94	42.75	40.56	38.38	—	—	—	53.31	18.31	19.31	—	16.44	16.19
937	30.00	75.13	75.13	40.75	69.63	57.69	52.75	50.31	47.88	45.44	43.00	—	—	—	59.19	20.00	21.00	—	18.13	17.88
941	32.75	80.56	80.56	48.50	79.25	63.56	58.38	55.69	53.00	50.31	47.63	—	—	—	66.06	22.75	23.75	—	20.38	20.13

SIZE	KL	KS	L		M	N	P		Q	SD	SE	MAX. MOTOR FRAME SIZE – ARR. 9
			ARR. 1	ARR. 9			ARR. 1	ARR. 9				
913	6.63	0.50 x 0.25	15.50	30.13	10.63	0.88	30.94▲	45.56▲	13.25	2.187	7.38	286T
915	8.00	0.63 x 0.31	19.69▲	35.56▲	11.88	1.13	38.13▲	54.00▲	15.25	2.437	9.00	286T
917	8.00	0.63 x 0.31	21.75	35.63	13.50	1.13	41.06▲	54.94▲	17.25	2.687	9.00	326T
919	8.00	0.75 x 0.38	24.25	35.63	14.38	1.13	44.50▲	55.88▲	19.25	2.937	9.13	365T
921	8.00	0.75 x 0.38	25.19	35.56	17.13	1.38	46.63	57.00	21.25	2.937	9.13	365T
923	8.00	0.88 x 0.44	26.75	35.63	18.63	1.38	49.13	58.00	23.31	3.437	9.25	365T
926	8.00	1.00 x 0.50	27.75	35.63	20.88	1.38	51.50	59.38	26.25	3.937	9.38	405T
929	8.00	1.00 x 0.50	28.75	35.63	23.38	1.38	53.75	60.63	29.50	3.937	9.38	405T
933	8.00	1.00 x 0.50	35.13	35.13	25.50	1.88	62.81	62.81	33.50	4.437	9.38	405T
937	8.00	1.25 x 0.63	35.13	35.13	28.50	1.88	64.63	64.63	37.56	4.937	9.50	405T
941	8.00	1.25 x 0.63	35.06	35.06	31.00	2.38	67.31	67.31	41.56	5.437	9.50	405T

AC15068B
AC15069
AC15070A
AC15073E

Dimensions are not to be used for construction. Certified drawings are available upon request.

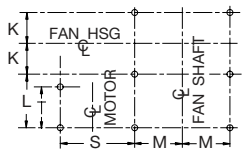
RBA, RBO, RBR & RBP, Arr. 9F: Class 45



NOTES:

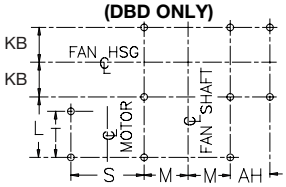
1. Clockwise (CW) rotation shown. Counterclockwise (CCW) rotation is similar but opposite.
2. Sizes 913 through 919 are rotatable. Sizes 921 through 941 are non-rotatable. All DBD discharge are non-rotatable.
3. Optional flanged inlet is shown. See AC15143 for dimensional data.
4. Punched outlet flange is optional on sizes 913 through 919 and standard on sizes 921 through 941. See drawing AC15148 for dimensional data.
5. Standard Arr. 9F motor location is on the left for CW rotation units, and on the right for CCW rotation units (unless otherwise specified).
6. For DBD punched outlet flange, see drawing AC15151.

SIZES 913 – 919 (ALL DISCHARGES EXCEPT DBD)



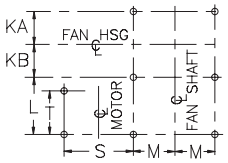
EIGHT 'BH' DIA. BASE HOLES FOUNDATION PLAN

SIZES 913 – 941 (DBD ONLY)



TEN 'BH' DIA. BASE HOLES FOUNDATION PLAN

SIZES 921 – 941 (ALL DISCHARGES EXCEPT DBD)



EIGHT 'BH' DIA. BASE HOLES FOUNDATION PLAN

SIZE	A	AH	B	BA	BH	C	DA	DB	DC	DD	DE	DF	DG	DX	G	GA	GB	GC	H	
																			DBD	OTHERS
913	12.56	10.00	11.25	2.00 x 2.00	0.69	13.00	21.75	21.75	21.75	21.75	21.75	21.75	21.75	1.50	23.25	7	7	11.63	42.69	43.06
915	14.44	11.94	12.94	2.50 x 2.50	0.81	15.00	25.25	25.25	25.25	25.25	25.25	25.25	25.25	1.50	26.25	7	7	13.13	45.44	45.81
917	16.50	13.38	14.75	2.50 x 2.50	0.94	17.00	28.25	28.25	28.25	28.25	28.25	28.25	28.25	1.50	29.50	0.25	0.25	14.75	48.69	49.06
919	18.31	15.38	16.38	2.50 x 2.50	0.94	19.00	31.25	31.25	31.25	31.25	31.25	31.25	31.25	2.00	31.25	0.25	0.25	15.63	57.56	57.94
921	20.25	15.88	18.06	3.00 x 3.00	0.94	21.00	34.50	34.50	34.50	34.50	34.50	34.50	34.50	2.00	37.25	0.25	0.25	18.63	60.63	60.63
923	22.13	17.38	19.75	3.00 x 3.00	0.94	23.00	37.50	37.50	37.50	37.50	37.50	37.50	37.50	2.00	40.25	0.25	0.25	20.13	67.94	67.94
926	24.94	19.44	22.25	3.00 x 3.00	0.94	26.00	41.75	41.75	41.75	41.75	41.75	41.75	41.75	2.50	44.75	0.25	0.25	22.38	70.44	70.44
929	27.81	21.63	24.75	3.00 x 3.00	0.94	29.00	46.50	46.50	46.50	46.50	46.50	46.50	46.50	2.50	49.75	0.25	0.25	24.88	72.94	72.94
933	31.63	25.94	28.13	3.00 x 4.00	0.94	33.00	43.00	43.00	43.00	45.00	47.00	49.50	52.50	2.50	54.00	0.25	0.25	27.00	78.31	78.31
937	35.31	28.81	31.50	3.00 x 4.00	1.06	37.00	47.88	47.88	47.88	50.50	53.00	55.75	58.50	2.50	60.00	0.25	0.25	30.00	81.69	81.69
941	39.06	32.69	34.94	3.50 x 5.00	1.06	41.00	52.75	52.75	52.75	55.25	58.25	61.00	64.25	2.50	65.50	0.31	0.25	32.75	90.56	90.56

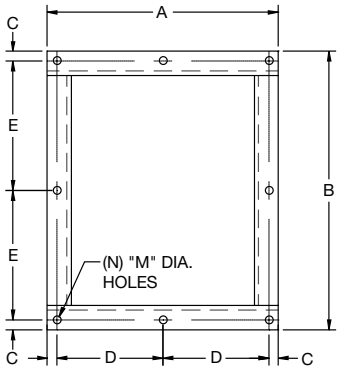
SIZE	HA	HB	HC	HD	HE	HF	HG	HH	HJ	HK	HN	HP	J	JA	K	KA	KB	KL	KS
913	15.88	26.13	21.00	18.69	17.88	17.06	16.25	15.44	15.38	24.69	19.50	21.50	7.81	9.31	6.94	—	6.75	6.00	0.50 x 0.25
915	18.25	29.88	23.94	21.50	20.56	19.63	18.69	17.75	17.75	28.44	22.44	24.94	9.19	10.19	8.06	—	7.88	6.00	0.63 x 0.31
917	20.63	33.69	27.00	24.44	23.38	22.31	21.25	20.19	20.13	32.31	25.50	28.00	10.06	11.06	8.94	—	8.75	6.63	0.63 x 0.31
919	22.94	37.75	30.38	27.19	26.00	24.81	23.63	22.44	22.44	35.94	28.38	30.88	10.88	11.88	9.75	—	9.56	8.00	0.75 x 0.38
921	23.50	40.25	33.38	30.00	28.63	27.25	25.88	24.50	—	—	—	34.38	12.25	13.25	—	10.88	10.69	8.00	0.75 x 0.38
923	26.50	44.50	36.38	32.88	31.31	29.81	28.25	26.75	—	—	—	37.38	13.13	14.13	—	11.75	11.50	9.25	0.88 x 0.44
926	29.00	49.69	41.19	37.00	35.31	33.63	31.94	30.25	—	—	—	41.69	14.38	15.38	—	13.00	12.75	9.25	1.00 x 0.50
929	31.75	54.94	45.88	41.44	39.56	37.63	35.75	33.81	—	—	—	46.38	15.63	16.63	—	14.25	14.00	9.25	1.00 x 0.50
933	36.50	62.50	51.81	47.13	44.94	42.75	40.56	38.38	—	—	—	53.31	18.31	19.31	—	16.44	16.19	9.25	1.00 x 0.50
937	40.75	69.63	57.69	52.75	50.31	47.88	45.44	43.00	—	—	—	59.19	20.00	21.00	—	18.13	17.88	9.25	1.25 x 0.63
941	48.50	79.25	63.56	58.38	55.69	53.00	50.31	47.63	—	—	—	66.06	22.75	23.75	—	20.38	20.13	9.25	1.25 x 0.63

SIZE	L		M	N	P		Q	S		SD	SE	T	V		MAX. MOTOR FRAME SIZE
	DBD	OTHERS			DBD	OTHERS		DBD	OTHERS				DBD	OTHERS	
913	25.75	25.75	10.63	0.88	40.38	40.56	13.25	34.75	34.75	2.187	6.75	23.50	46.75	46.75	326T
915	25.75	25.75	11.88	1.13	41.75	41.94	15.25	35.00	35.00	2.437	6.75	23.25	48.25	48.25	326T
917	27.25	27.38	13.50	1.13	45.00	45.38	17.25	39.13	39.13	2.687	7.63	24.88	54.00	54.00	365T
919	34.38	34.50	14.38	1.13	54.44	54.75	19.25	44.25	44.25	2.937	9.13	32.00	60.00	60.00	405T
921	34.50	34.50	17.13	1.38	55.94	55.94	21.25	44.50	44.50	2.937	9.13	31.75	63.00	63.00	405T
923	40.13	40.13	18.63	1.38	63.75	63.75	23.31	48.00	48.00	3.437	10.50	37.38	68.00	68.00	445T
926	40.13	40.13	20.88	1.38	65.13	65.13	26.25	48.00	48.00	3.937	10.63	37.38	70.25	70.25	445T
929	40.13	40.13	23.38	1.38	66.38	66.38	29.50	48.00	48.00	3.937	10.63	37.38	72.75	72.75	445T
933	40.13	40.13	25.50	1.88	69.06	69.06	33.50	48.00	48.00	4.437	10.63	36.88	74.88	74.88	445T
937	40.13	40.13	28.50	1.88	70.88	70.88	37.56	48.00	48.00	4.937	10.75	36.88	77.88	77.88	445T
941	43.50	43.50	31.00	2.38	77.00	77.00	41.56	48.25	48.25	5.437	10.75	39.75	80.63	80.63	445T

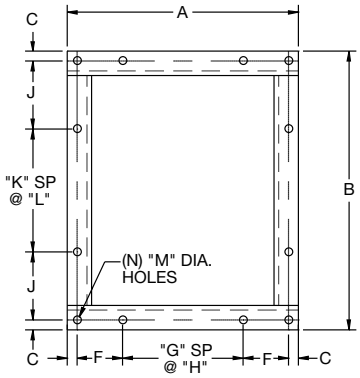
AC15139B
AC15140A
AC15141B
AC15073E

Dimensions are not to be used for construction. Certified drawings are available upon request.

Outlet Flanges



SIZES 905 – 917



SIZES 919 – 960

Class 22

FAN SIZE	A	B	C	D	E	F	G	H	J	K	L	M	N	ANGLE SIZE
905	7.00	7.38	0.50	—	—	—	—	—	—	—	—	0.38	4	1.25 x 1.25
907	8.56	9.31	0.50	—	—	—	—	—	—	—	—	0.38	4	1.25 x 1.25
909	10.19	11.13	0.50	4.59	5.06	—	—	—	—	—	—	0.38	8	1.25 x 1.25
911	12.44	13.56	0.63	5.59	6.16	—	—	—	—	—	—	0.44	8	1.50 x 1.50
913	14.13	15.44	0.63	6.44	7.09	—	—	—	—	—	—	0.44	8	1.50 x 1.50
915	15.81	17.31	0.63	7.28	8.03	—	—	—	—	—	—	0.44	8	1.50 x 1.50
917	17.50	19.25	0.63	8.13	9.00	—	—	—	—	—	—	0.44	8	1.50 x 1.50
919	20.13	22.06	0.88	—	—	6.13	1	6.13	6.66	1	7.00	0.56	12	2.00 x 2.00
921	21.81	24.00	0.88	—	—	6.69	1	6.69	7.44	1	7.38	0.56	12	2.00 x 2.00
923	23.63	26.00	0.88	—	—	7.31	1	7.25	8.06	1	8.13	0.56	12	2.00 x 2.00
926	27.13	29.81	1.13	—	—	8.31	1	8.25	6.91	2	6.88	0.56	14	2.50 x 2.50
929	29.63	32.69	1.13	—	—	9.13	1	9.13	7.59	2	7.63	0.56	14	2.50 x 2.50
933	33.00	36.50	1.13	—	—	7.69	2	7.69	8.63	2	8.50	0.56	16	2.50 x 2.50
937	36.50	40.19	1.13	—	—	8.56	2	8.56	9.47	2	9.50	0.56	16	2.50 x 2.50
941	39.81	43.94	1.13	—	—	9.41	2	9.38	11.09	2	9.75	0.56	16	2.50 x 2.50
945	44.19	48.75	1.38	—	—	8.34	3	8.25	10.25	3	8.50	0.56	20	3.00 x 3.00
949	47.50	52.63	1.38	—	—	8.88	3	9.00	10.69	3	9.50	0.56	20	3.00 x 3.00
954	51.50	57.13	1.38	—	—	9.75	3	9.75	9.19	4	9.00	0.56	22	3.00 x 3.00
960	56.75	63.00	1.38	—	—	10.88	3	10.75	10.13	4	10.00	0.56	22	3.00 x 3.00

AC15146C

Class 32

FAN SIZE	A	B	C	D	E	F	G	H	J	K	L	M	N	ANGLE SIZE
911	12.56	13.69	0.63	5.66	6.22	—	—	—	—	—	—	0.44	8	1.50 x 1.50
913	14.25	15.56	0.63	6.50	7.16	—	—	—	—	—	—	0.44	8	1.50 x 1.50
915	15.94	17.44	0.63	7.34	8.09	—	—	—	—	—	—	0.44	8	1.50 x 1.50
917	17.63	19.38	0.63	8.19	9.06	—	—	—	—	—	—	0.44	8	1.50 x 1.50
919	20.25	22.19	0.88	—	—	6.19	1	6.13	6.66	1	7.13	0.56	12	2.00 x 2.00
921	21.94	24.13	0.88	—	—	6.72	1	6.75	7.44	1	7.50	0.56	12	2.00 x 2.00
923	23.75	26.00	0.88	—	—	7.31	1	7.38	8.06	1	8.13	0.56	12	2.00 x 2.00
926	27.25	29.94	1.13	—	—	8.31	1	8.38	6.91	2	6.94	0.56	14	2.50 x 2.50
929	29.75	32.81	1.13	—	—	9.13	1	9.25	7.66	2	7.63	0.56	14	2.50 x 2.50
933	33.13	36.63	1.13	—	—	7.69	2	7.75	8.63	2	8.56	0.56	16	2.50 x 2.50
937	36.50	40.31	1.13	—	—	8.56	2	8.56	9.53	2	9.50	0.56	16	2.50 x 2.50
941	39.81	44.06	1.13	—	—	9.28	2	9.50	11.16	2	9.75	0.56	16	2.50 x 2.50
945	44.19	48.88	1.38	—	—	8.25	3	8.31	9.94	3	8.75	0.56	20	3.00 x 3.00
949	47.50	52.63	1.38	—	—	8.88	3	9.00	9.94	3	10.00	0.56	20	3.00 x 3.00

AC15147

Class 45

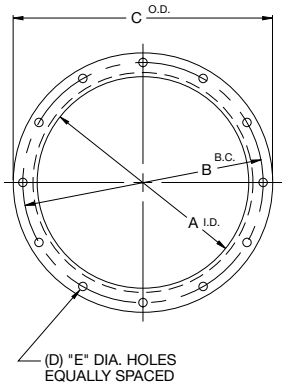
FAN SIZE	A	B	C	D	E	F	G	H	J	K	L	M	N	ANGLE SIZE
913	14.25	15.56	0.63	6.50	7.16	—	—	—	—	—	—	0.44	8	1.50 x 1.50
915	15.94	17.44	0.63	7.34	8.09	—	—	—	—	—	—	0.44	8	1.50 x 1.50
917	17.75	19.50	0.63	8.25	9.13	—	—	—	—	—	—	0.44	8	1.50 x 1.50
919	20.38	22.31	0.88	—	—	6.25	1	6.13	6.72	1	7.13	0.56	12	2.00 x 2.00
921	22.06	24.25	0.88	—	—	6.78	1	6.75	7.50	1	7.50	0.56	12	2.00 x 2.00
923	23.75	26.13	0.88	—	—	7.31	1	7.38	8.13	1	8.13	0.56	12	2.00 x 2.00
926	27.25	29.94	1.13	—	—	8.31	1	8.38	6.91	2	6.94	0.56	14	2.50 x 2.50
929	29.75	32.81	1.13	—	—	9.13	1	9.25	7.66	2	7.63	0.56	14	2.50 x 2.50
933	33.13	36.63	1.13	—	—	7.69	2	7.75	8.63	2	8.56	0.56	16	2.50 x 2.50
937	36.50	40.13	1.13	—	—	8.56	2	8.56	9.53	2	9.50	0.56	16	2.50 x 2.50
941	39.94	44.06	1.13	—	—	9.34	2	9.50	11.16	2	9.75	0.56	16	2.50 x 2.50

AC15148

Dimensions are not to be used for construction. Certified drawings are available upon request.

Inlet Flanges & Inlet Boxes

Inlet Flange

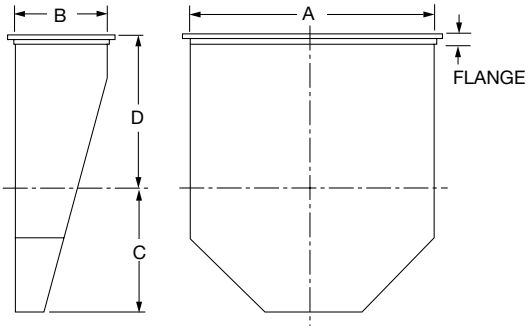


FAN SIZE	A	B	C	D	E
905	5.06	6.31	7.06	6	0.28
907	7.13	8.50	9.63	6	0.38
909	9.13	10.63	11.63	6	0.44
911	11.13	12.75	13.63	6	0.44
913	13.13	14.81	16.06	12	0.44
915	15.13	16.81	18.06	12	0.44
917	17.13	18.81	20.19	12	0.44
919	19.13	20.81	22.19	12	0.44
921	21.13	22.81	24.19	16	0.56
923	23.13	24.81	26.19	16	0.56

FAN SIZE	A	B	C	D	E
926	26.13	28.50	30.13	16	0.56
929	29.13	31.50	33.13	16	0.56
933	33.13	35.50	37.13	24	0.56
937	37.13	39.50	41.13	24	0.56
941	41.13	43.50	45.13	32	0.56
945	45.13	47.50	49.13	32	0.56
949	49.13	51.50	53.13	32	0.56
954	54.63	57.38	59.63	32	0.81
960	60.63	63.38	65.63	32	0.81

BC15143C

Inlet Boxes



FAN SIZE	A	B	C			D	INLET AREA (FT^2)	FLANGE
			CL 22	CL 32	CL 45			
907	12.75	4.13	8.13	—	—	12.00	0.37	1.50 x 1.50
909	16.38	5.38	9.13	—	—	13.00	0.61	1.50 x 1.50
911	19.88	6.50	10.13	10.19	—	14.00	0.90	1.50 x 1.50
913	23.50	7.75	11.13	11.19	11.19	15.00	1.26	1.50 x 1.50
915	27.00	8.75	12.13	12.19	12.19	16.00	1.64	1.50 x 1.50
917	30.38	9.88	13.13	13.19	13.25	17.00	2.08	1.50 x 1.50
919	34.13	11.13	14.13	14.19	14.25	18.00	2.64	2.00 x 2.00
921	37.75	12.25	15.13	15.19	15.25	19.00	3.21	2.00 x 2.00
923	41.38	13.38	16.19	16.25	16.25	20.00	3.84	2.00 x 2.00
926	46.50	15.13	17.69	17.75	17.25	21.50	4.89	2.50 x 2.50
929	52.00	16.88	19.19	19.25	19.25	23.00	6.10	2.50 x 2.50
933	59.00	19.13	21.19	21.25	21.25	25.00	7.84	2.50 x 2.50
937	66.50	21.50	23.25	23.25	23.25	27.00	9.93	2.50 x 2.50
941	73.50	23.88	25.25	25.25	25.31	29.00	12.19	2.50 x 2.50
945	80.63	26.50	27.25	27.25	—	31.00	14.84	2.50 x 2.50
949	87.63	28.75	29.25	29.25	—	33.00	17.50	3.50 x 3.50
954	96.75	31.75	32.31	—	—	36.00	21.33	3.50 x 3.50
960	107.38	35.25	35.31	—	—	39.00	26.29	3.50 x 3.50

CL. 22 BC1002125B
CL. 32 BC1002126B
CL. 45 BC1002127B

Dimensions are not to be used for construction. Certified drawings are available upon request.

Model RBOF

Fiberglass

Sizes

10" to 57" wheel diameters (254 mm to 1,448 mm)

Performance

Airflow to 38,300 CFM (65,072 m^3/hour)
Static pressure to 18" w.g. (4,475 Pa)

See Catalog 431 for more information

Models TPD | TPB

Cast Aluminum

Sizes

8" to 18" housing sizes (203 mm to 457 mm)
4" to 10" inlet diameters (101 mm to 254 mm)
Multiple wheel sizes

Performance

Airflow to 2,800 CFM (4,757 m^3/hour)
Static pressure to 22" w.g. (5,469 Pa)

See Catalog 820 for more information

Model TPD
Direct Drive

Model TPB
Belt Driven

Model CIW

Cast Iron

Sizes

6.75" to 14" wheel diameters (171 mm to 355 mm)

Performance

Airflow to 2,000 CFM (3,398 m^3/hour)
Static pressure to 12" w.g. (2,983 Pa)

See Catalog 850 for more information

Model JRW

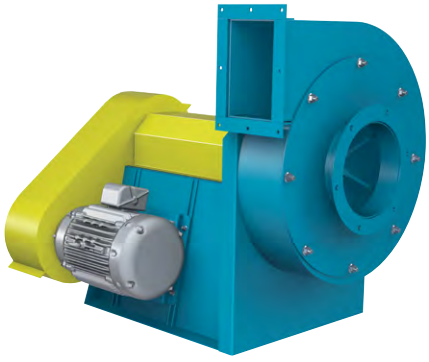
Sizes

8.75" to 15.63" wheel diameters (222 mm to 397 mm)

Performance

Airflow to 2,000 CFM (3,398 m^3/hour)
Static pressure to 14" w.g. (3,480 Pa)

See Catalog 800 for more information



Models

RBO | RBR | RBW | RBA | RBP

Fans shall be Model RBO/RBR/RBW/RBA/RBP Industrial Fans, as manufactured by Twin City Fan & Blower, Minneapolis, Minnesota.

PERFORMANCE — Fans shall be tested in accordance with AMCA 211 test code for air moving devices and shall be guaranteed by the manufacturer to deliver rated published performance levels.

RBO, RBR, RBW and RBA fans shall be licensed to bear the AMCA certified ratings seal for air and fan efficiency grade (FEG).

HOUSING — Housings shall be continuously welded heavy gauge steel, suitably braced to prevent pulsation. Housings with lock seams or partially welded construction are not acceptable. Class 22 housings shall be constructed of a minimum 12 gauge through 0.31" steel. Class 32 and Class 45 housings shall be constructed of at least 7 gauge through 0.31" steel. Units having wheel diameters of 33" (size 919) and smaller shall be built with adjustable discharge housings which can be field rotated to any of the eight standard positions. Fans with wheel diameters larger than 33" shall be built with a fixed discharge housing and have a flanged type discharge to provide unit rigidity.

WHEEL — All class 22 fan wheels shall be constructed of a minimum 10 gauge through 0.75" thick steel. Class 32 and Class 45 fan wheels shall be constructed of a minimum 7 gauge through 0.75" steel. The spider hubs for RBO wheels shall be fabricated steel or cast steel material. All industrial fan wheels shall be continuously welded.

SHAFT — Shafts shall be AISI 1045 hot rolled steel, accurately turned, ground, polished, and ring gauged for accuracy. Shafts shall be sized for the first critical speed of at least 1.43 times the maximum speed.

BEARINGS — Bearings shall be heavy duty, grease lubricated, anti-friction ball or roller, self-aligning, pillow block type and selected for a minimum average bearing life (ABMA L-50) in excess of 200,000 hours at the maximum fan RPM.

V-BELT DRIVE — Fan and motor sheaves shall be cast iron fixed pitched drives for service over 10 HP. Small drives may use variable pitch cast iron motor sheaves. The minimum belt service factor is 120% for drives through 25 HP and 150% over 25 HP.

FINISH AND COATING — The entire fan assembly, excluding the shaft, shall be thoroughly degreased and deburred before application of a rust-preventative primer. After the fan is completely assembled, a finish coat of paint shall be applied to the entire assembly. The fan shaft shall be coated with a petroleum-based rust protectant. Aluminum components shall be unpainted.

ACCESSORIES — When specified, accessories such as inlet vanes, outlet dampers, companion inlet and outlet flanges, inlet bells, inlet boxes, shaft guards, and wheel and scroll liners shall be provided by Twin City Fan & Blower to maintain one source responsibility.

FACTORY RUN TEST — All fans prior to shipment shall be completely assembled and test run as a unit at the specified operating speed or maximum RPM allowed for the particular construction type. Each wheel shall be statically and dynamically balanced in accordance with ANSI/AMCA 204-96 “Balance Quality and Vibration Levels for Fans” to Fan Application Category BV-3, Balance Quality Grade G6.3. Balance readings shall be taken by electronic type equipment in the axial, vertical, and horizontal directions on each of the bearings. Records shall be maintained and a written copy shall be available upon request.

GUARANTEE — The manufacturer shall guarantee the workmanship and materials for its fans for at least one (1) year from startup or eighteen (18) months from shipment, whichever occurs first.

INDUSTRIAL PROCESS AND COMMERCIAL VENTILATION SYSTEMS

CENTRIFUGAL FANS | UTILITY SETS | PLENUM & PLUG FANS | INLINE CENTRIFUGAL FANS

MIXED FLOW FANS | TUBEAXIAL & VANEAXIAL FANS | PROPELLER WALL FANS | PROPELLER ROOF VENTILATORS

CENTRIFUGAL ROOF & WALL EXHAUSTERS | CEILING VENTILATORS | GRAVITY VENTILATORS | DUCT BLOWERS

RADIAL BLADED FANS | RADIAL TIP FANS | HIGH EFFICIENCY INDUSTRIAL FANS | PRESSURE BLOWERS

LABORATORY EXHAUST FANS | FILTERED SUPPLY FANS | MANCOOLERS | FIBERGLASS FANS | CUSTOM FANS

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