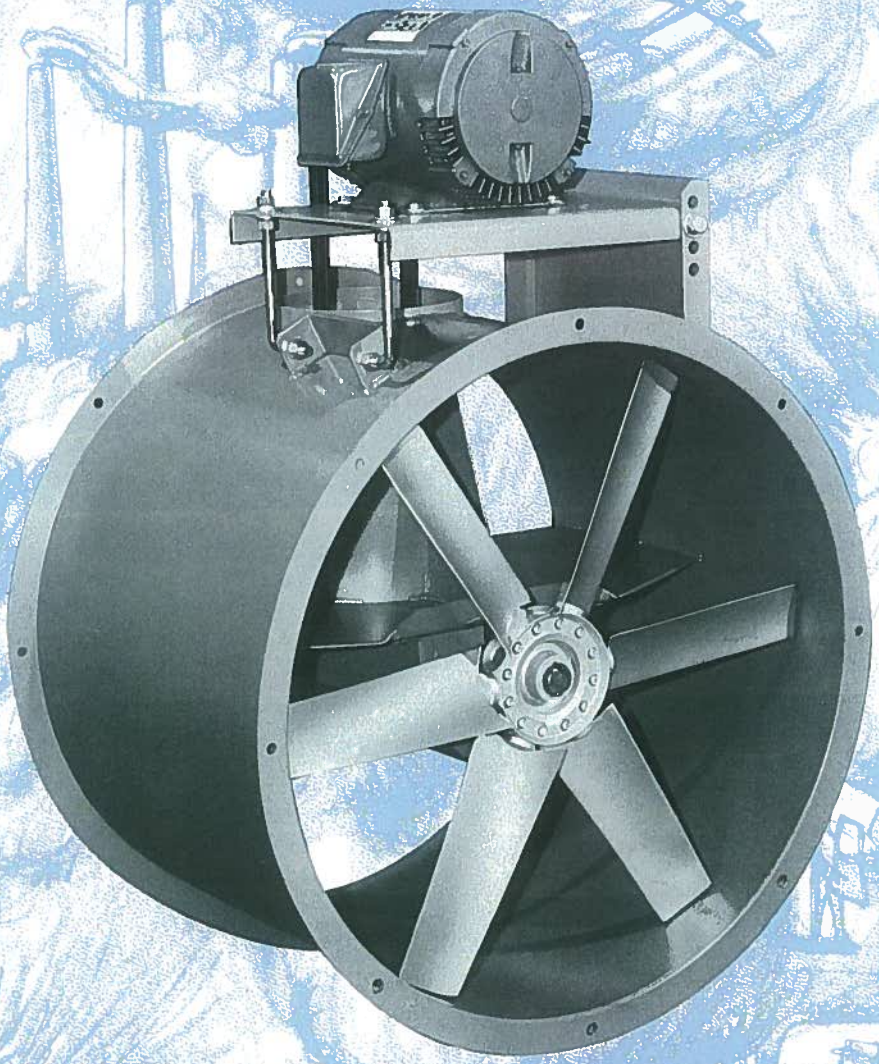


TECHNICAL DATA
TUBE AXIAL FANS

INDUSTRIAL • AIR • PRODUCTS

IAP INC.

P.O. BOX 56
PHILLIPS, WI 54555
715/339-3024

IAP Tube Axial Fans

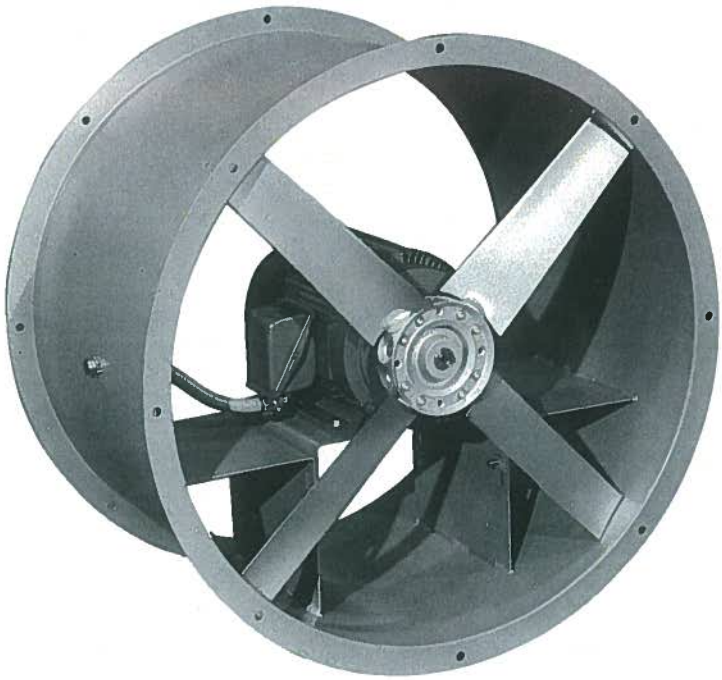
IAP Tube Axial fans, both direct drive and belt driven, are designed for reliable air movement in commercial and industrial applications, most often as part of a ducted ventilation system. Direct drive Tube Axial fans (Model TADI) are best suited for applications moving relatively clean, dry and cool air. The belt driven Model TABI is the best selection where the motor must be mounted out of the airstream due to high temperatures or contaminated air.

Both models feature heavy duty, cast aluminum propellers with high performance, tapered airfoil blades designed to meet varied capacity and pressure requirements.

Rugged Tube Axial fan construction includes continuously welded steel housings and rigid support members for structural strength. Housings include integral formed inlet and outlet flanges prepunched for ease of installation in flanged ductwork.

Models TADI and TABI can be suspended in ductwork at any angle. They can also be hung horizontally with optional brackets and isolators or base mounted horizontally with optional mounting feet. Where vertical mounting is desired, Tube Axial fans may be base mounted or suspended, with airflow in either direction. See pages 4 and 5 for details.

All fan sizes have been thoroughly tested in a modern AMCA Registered research and development facility to insure complete and accurate performance ratings. Models TADI and TABI are licensed to bear the AMCA Certified Ratings Seal for air performance.

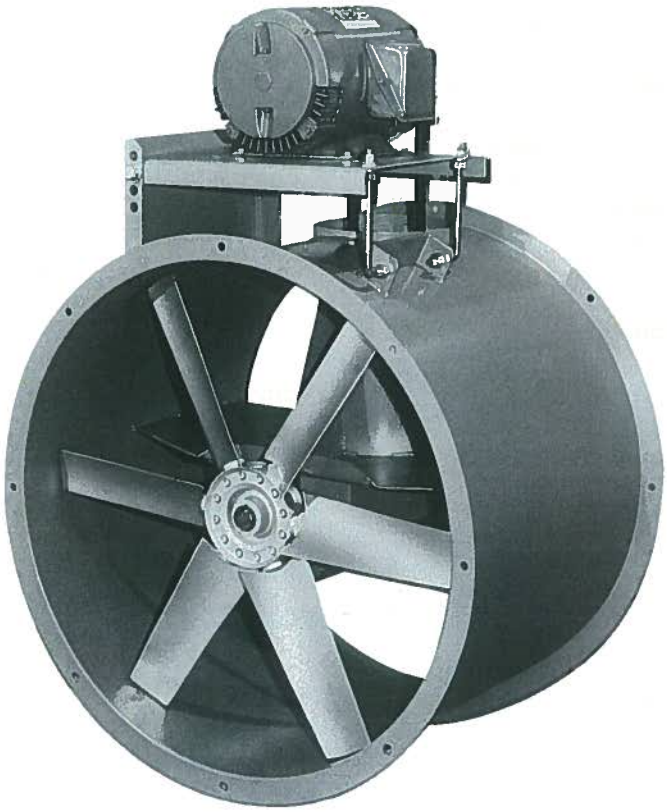


MODEL TADI — DIRECT DRIVE

Direct drive models are available in seven sizes ranging from 18 to 48 inches. Capacities extend from 3800 CFM to 48,408 CFM with static pressures to 7/8 of an inch. Motors are available with open drip proof, totally enclosed, or explosion proof enclosures. Airstream temperatures are limited to the maximum motor temperature rating. Performance capabilities are obtained through combinations selected from a broad range of number of blades (3, 4 or 6), propeller pitches, and motor RPM (680, 860, 1140 or 1725).

MODEL TABI — BELT DRIVE

Belt driven models are available in nine sizes, ranging from 18 to 60 inches. Capacities range from 1900 CFM to 76,700 CFM, with static pressures to 1-1/2 inches. Motors are available with open drip proof, totally enclosed, or explosion proof enclosures. Motors are mounted out of the airstream, allowing belt driven fans to handle air at temperatures up to 200°F. and to exhaust moisture laden and contaminated air.



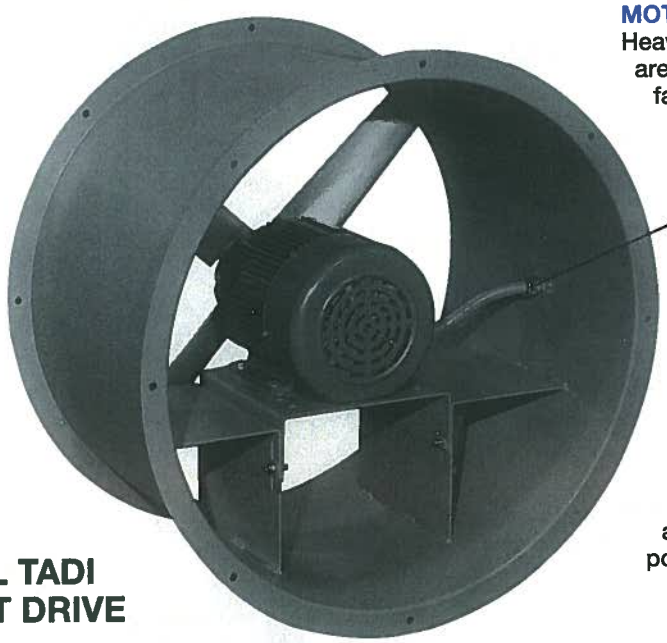
amca CERTIFIED RATINGS AIR PERFORMANCE air movement and control association inc.

IAP Inc. certifies that the TADI and TABI models shown herein are licensed to bear the AMCA Seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Standard 211 and comply with the requirements of the AMCA Certified Ratings Program.

Construction Features

HOUSINGS
Housings are constructed of heavy gauge, continuously welded steel to assure no air leakage. They are rigidly supported to prevent vibration and pulsation.

INLET & OUTLET FLANGES
Flanged inlets and outlets with mounting holes are provided for ductwork connection.



MOTORS
Heavy duty ball bearing motors are carefully matched to the fan load.

OPTIONAL DIRECT DRIVE MOTOR WIRING

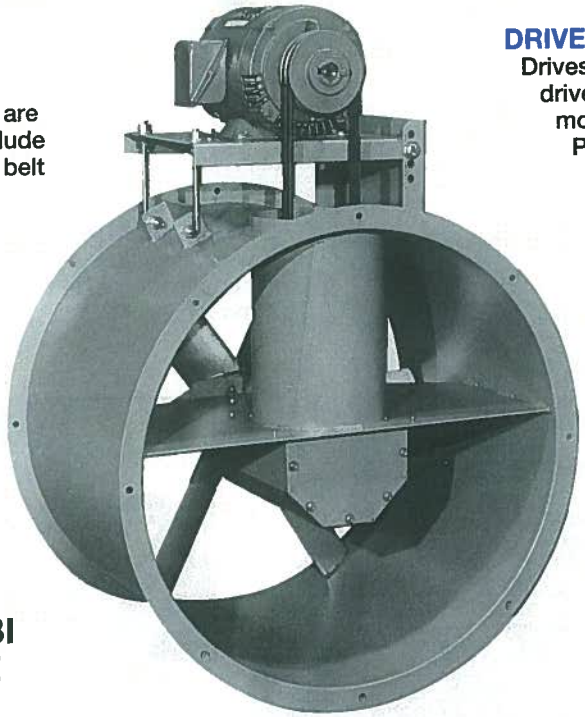
MOTOR SUPPORTS
Rigid structural steel motor supports are welded to the fan housing.

FINISH
All structural steel components are coated with thermally fused polyester for a long lasting finish.

MODEL TADI
DIRECT DRIVE

ADJUSTABLE MOTOR BASES
Rigid structural steel motor bases are welded to the fan housing and include heavy duty adjustment screws for belt tensioning.

BEARINGS
Standard heavy duty bearings are grease lubricated, self aligning, ball type in pillow block mounts. Bearings are selected for a minimum (L50) life in excess of 200,000 hours operation at maximum cataloged conditions.

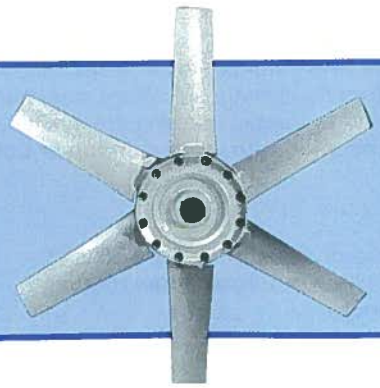


DRIVES
Drives are sized for a minimum of 150% of driven horsepower and include adjustable motor pulleys for final system balancing. Pulleys are machined cast iron.

BELT & BEARING TUBES
Bearings and drives are protected from the airstream by heavy gauge steel belt tubes and bolted bearing covers.

SHAFTS
Turned, precision ground and polished steel shafts are sized so that the first critical speed is at least 25% over the maximum operating speed. Close tolerances where the shaft makes contact with the bearing result in longer bearing life.

MODEL TABI
BELT DRIVE



Model TADI and TABI propellers and hubs are designed to produce a high level of efficiency over a broad selection range.

Tapered airfoil blades are cast as one piece in durable aluminum alloy.

An integral retention rim is cast in each blade root.

Hubs are two piece, cast aluminum with recesses to match blade retention rims. Blades are securely locked to the hub.

Each propeller is statically and dynamically balanced.

Accessories

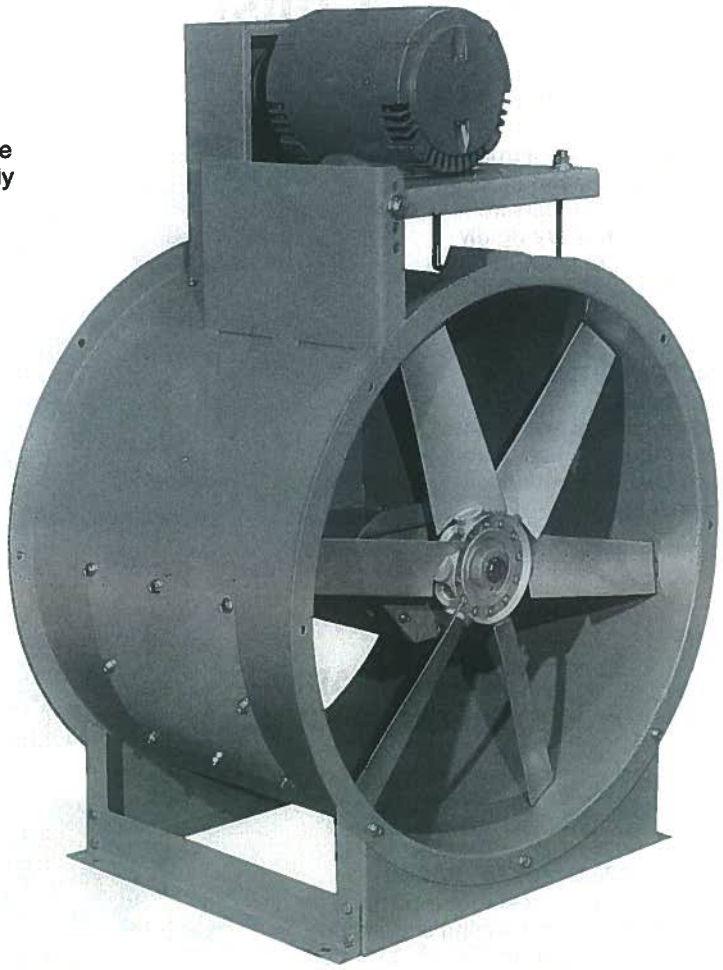
BELT GUARD
Sturdy, fabricated steel, three sided belt guards are available for protection from rotating pulleys and belts. Optional totally enclosed belt guards are also available.

SHAFT SEAL
A shaft seal with an aluminum rub ring is available on Model TABI to protect the bearings from contaminants. The shaft seal is not gas tight.

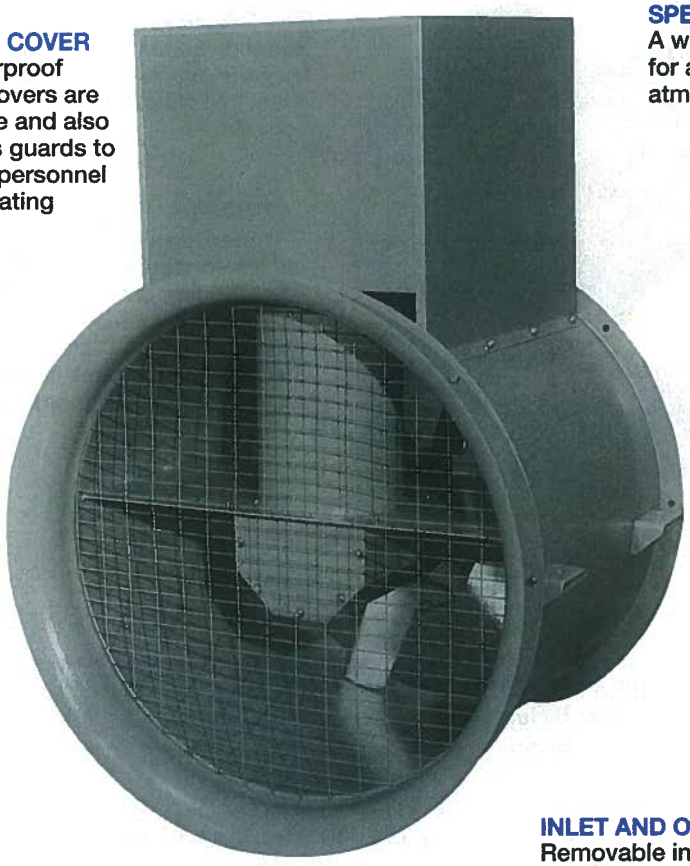
ACCESS DOOR
Access doors for inspecting or servicing fan components are available in two designs; bolted, or hinged with quick release latches.

MOUNTING FEET
Heavy gauge steel mounting feet are available for base mounting and are bolted to the fan inlet and outlet flanges.

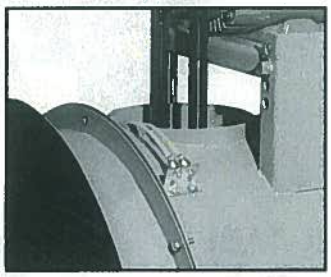
ISOLATION
Neoprene or spring isolators are available for either base mount or hanging installations.



MOTOR COVER
Weatherproof motor covers are available and also serve as guards to protect personnel from rotating parts.



SPECIAL COATINGS
A wide selection of protective coatings is available for application to fans exposed to corrosive atmosphere.



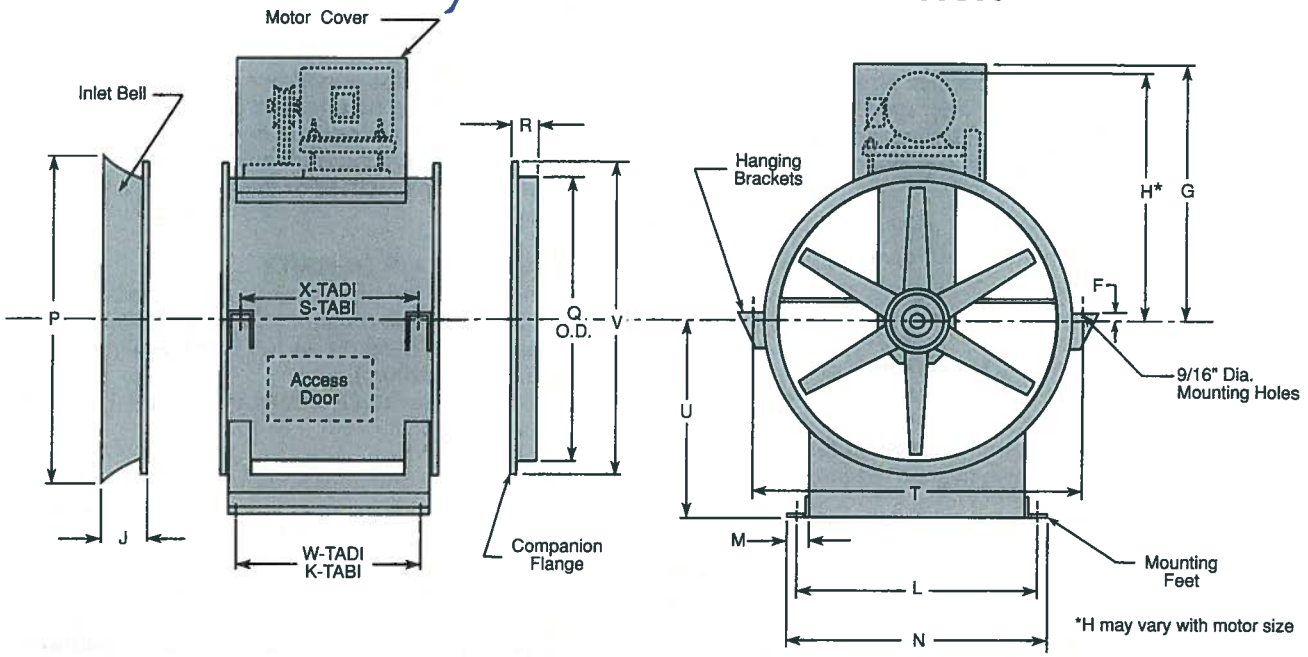
EXTENDED LUBE LINE
External lubrication lines with grease fittings are available for ease of bearing lubrication.

INLET BELL
Spun steel inlet bells are recommended for installations with non-ducted inlets to minimize entrance losses.

HANGING BRACKETS
In applications where the fan is to be suspended horizontally from the ceiling, structural steel hanging brackets welded to the fan housing are available. Fans can be mounted with motors on top or bottom.

INLET AND OUTLET GUARD
Removable inlet and outlet guards constructed of 1/2" x 1" steel mesh are available to provide protection from rotating parts in non-ducted applications.

Accessory Dimensional Data



Fan Size	F	G	H*	J	K	L	M	N	P	Q	R	S	T	U	V	W	X
18	1	22 1/8	21 5/8	4 1/2	15 1/4	16 3/4	1 1/2	18 1/4	24	18 7/8	1 1/4	12 3/4	21 5/8	12 3/16	21 1/16	13 3/4	11 1/4
20	1	24 7/8	24 3/8	5	15 3/4	18	1 1/2	19 1/2	25	20 7/8	1 1/4	12 1/4	23 5/8	13 3/16	23 1/16	14 3/4	12 1/4
24	1	28 5/8	28 1/8	5 3/8	17 1/2	21	1 1/2	22 1/2	29 3/8	24 13/16	1 1/4	15	27 5/8	15 3/16	27 1/16	14 3/4	12 1/4
30	1	32 1/8	31 5/8	6 5/8	19 3/16	25 1/2	1 1/2	27	36	31	1 1/2	17 5/16	33 5/8	18 3/16	33 9/16	16 3/4	14 1/4
36	1 3/8	36 1/4	35 3/4	7 1/4	22 1/4	29 1/2	1 1/2	31	42	37	1 1/2	19 3/4	39 5/8	21 3/16	39 9/16	16 3/4	14 1/4
42	1 3/8	39 3/4	39 1/4	8	25 3/4	35	2	37	48	43 1/16	1 1/2	23 1/4	45 3/4	24 1/4	45 3/4	22 3/4	20 1/4
48	1 3/8	43 3/4	43 1/4	8 1/2	27 3/4	39 1/4	2	41 1/4	55	49 3/16	2	25 1/4	56 3/4	28 1/4	52 3/4	22 3/4	20 1/4
54	1 3/8	47 1/4	46 3/4	9	31 3/4	44	2	46	62 1/2	55 11/16	2	29 1/4	58 1/4	31 1/2	59 1/4	–	–
60	1 3/8	55	54 1/2	5	35 3/4	48 1/2	2	50 1/2	65 1/4	61 5/8	2	33 1/4	64 1/4	34 1/2	65 1/4	–	–

VERTICAL BASE & HANGING MOUNTS

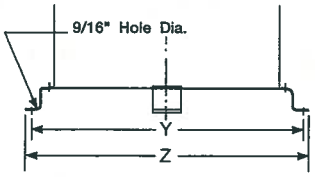
Heavy duty steel brackets are available for either vertical base mounting or vertical hanging installations. The discharge direction must be specified with either mounting arrangement.

COMPANION FLANGE

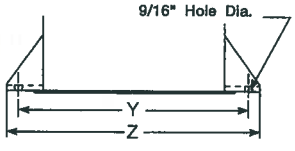
Inlet and outlet companion flanges are available for ease of duct connection.

BASE MOUNT

VERTICAL HANGING MOUNT
Shown with optional companion flange.

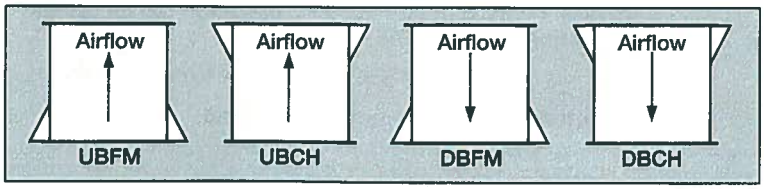


BASE MOUNTING SIZES 18-30



BASE MOUNTING SIZES 36-60

OPTIONAL DISCHARGES



Dim.	FAN SIZE								
	18	20	24	30	36	42	48	54	60
Y	24 1/2	26 1/2	30 1/2	37	43	49 1/8	56 1/8	62 5/8	68 5/8
Z	26 1/4	28 1/4	32 1/4	38 3/4	44 3/4	50 7/8	57 7/8	64 3/8	70 3/8

ENGINEERING DATA

This catalog contains comprehensive air performance data for IAP's tube axial fans, both direct drive and belt driven. Air performance is shown in fan tables. All performance data was obtained in tests using fans equipped with inlet and outlet ducts.

This engineering data section will assist the system designer in applying IAP tube axial fans in air conditioning, heating and ventilating systems.

SELECTION

The first consideration in any fan selection is the amount of air to be moved and the resistance to this air movement. Air volume requirements are established by specific codes, heating and cooling loads and accepted industry standards. Once the air volume is known, system resistance can be determined by summing up the losses through the system components. Duct layout, duct size, coils, filters, dampers and fan accessories all affect the system resistance. "ASHRAE Guide and Data Books" and manufacturer's data on individual system components are common sources of information available to the system designer.

The determination of airflow and system resistance defines the point of operation that the fan must be capable of providing. In most applications, several fans may meet the required airflow and system resistance conditions. Larger fans tend to turn slower and generate less noise. These fans generally have lower operating costs. However, this may be offset by higher initial costs when compared to a smaller fan. Smaller fans will have higher speeds for a given application and a steeper performance curve. The steeper performance curve minimizes airflow changes in the system as system resistance varies.

Models TADI and TABI Tube Axial fan ratings are based upon a motor's thermal characteristics. In most standard applications, this allows for a motor to be successfully operated above its horsepower rating. This does not reduce motor life or performance and therefore is economically desirable. This catalog shows fan performance ratings with BHP's as much as 10-15% over the motor's nameplate horsepower. Lesser overloads are recommended for applications using totally enclosed or explosion proof motors.

SPEED CHANGES

IAP Model TABI belt driven tube axial fans have adjustable motor pulleys. The speed of the fan is factory set for the specified RPM, but can be varied for final system balancing. For the direct drive Model TADI, performance must be specified as closely as possible to actual needs, since fan speed is not field adjustable.

A change in the speed of a fan in a fixed system will cause the volume, pressure, and horsepower to vary as follows:

$$CFM_2 = \left(\frac{RPM_2}{RPM_1}\right) \times CFM_1$$

$$SP_2 = \left(\frac{RPM_2}{RPM_1}\right)^2 \times SP_1$$

$$BHP_2 = \left(\frac{RPM_2}{RPM_1}\right)^3 \times BHP_1$$

NOTE: Subscript 1 indicates existing conditions. Subscript 2 indicates new conditions after speed change.

When changing the speed of a fan the actual running motor amperage should be checked against the motor's nameplate rating to prevent overloading. The fan speed should also be checked to make sure the RPM does not exceed the maximum RPM limits shown on the performance pages.

EFFECT OF AIR DENSITY

Ratings in the fan performance tables and curves of this catalog are based on standard air (clean, dry air with a density of 0.075 lbs./Ft. at 70° F. and a barometric pressure of 29.92 in. mercury).
A change in elevation, temperature or the type of gas will affect density.

With a fan at a constant speed and installed in a fixed system, a change in density will cause the fan pressure and horsepower to vary. The air volume delivered by the fan will remain constant.

The table below gives air density correction factors for calculating the effect of elevation and temperature on fan performance.

AIR DENSITY CORRECTION FACTORS

Air Temp. °F	ELEVATION (Feet Above Sea Level)										
	0	1000	2000	3000	4000	5000	6000	7000	8000	9000	10000
0	0.87	0.90	0.94	0.97	1.01	1.05	1.08	1.13	1.17	1.22	1.26
50	0.96	1.00	1.04	1.08	1.11	1.15	1.20	1.24	1.30	1.34	1.40
70	1.00	1.04	1.08	1.12	1.16	1.22	1.25	1.30	1.35	1.40	1.45
100	1.06	1.10	1.14	1.18	1.22	1.27	1.32	1.37	1.42	1.48	1.54
150	1.15	1.19	1.24	1.30	1.33	1.38	1.44	1.49	1.55	1.61	1.67
200	1.25	1.29	1.34	1.40	1.44	1.50	1.56	1.61	1.68	1.75	1.81

The following example shows the procedure for selecting a fan at elevations and temperatures other than standard.

A TABI 24 tube axial fan is to deliver 7978 CFM of air at 0.25" SP, 200°F. and 5000 Ft. elevation above sea level.

1. Since the air volume delivered by the fan is not affected by density, airflow remains 7978 CFM.
2. The static pressure must be corrected for non-standard conditions. At 200° F and 5000 Ft. elevation, the air density correction factor is 1.5. Multiply the static pressure by the correction factor.

   0.25" SP x 1.5 = 0.375" SP
3. From the fan performance table a TABI 24 at 7978 CFM and 0.375" SP requires 1605 RPM and 1.55 BHP.
4. The 1605 RPM needs no correction.
5. The horsepower selected must be divided by the correction factor.

   BHP at 200° F = 1.55 BHP ÷ 1.50 = 1.03 BHP

If a fan is selected to operate at high temperatures, the motor must be large enough to handle the increased BHP at any anticipated lower operating temperature where the air is more dense. Assume the air entering the TABI 24 fan at start up is 0° F. For 0° F and 5000 Ft. elevation the air density correction factor is 1.05.

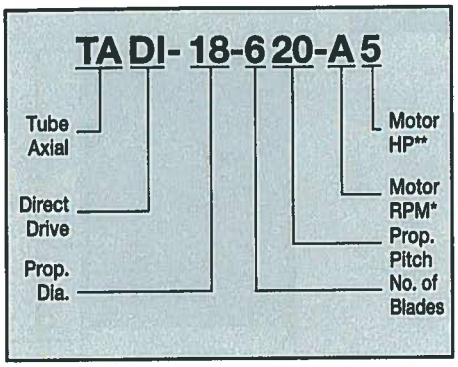
BHP at 0° F = 1.55 BHP ÷ 1.05 = 1.48 BHP

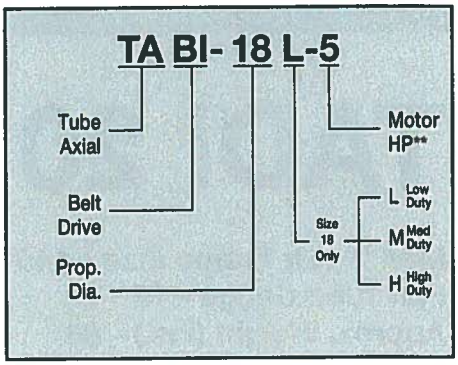
Therefore, a 1-1/2 HP motor is required.

Model Number Code

The model number system is designed to completely identify the fan. The correct code letters must be specified to designate direct or belt drive and high, medium or low duty for belt drive size 18 only. The remainder of the model number is determined by the size and performance selected from pages 7-23.

*Motor RPM	**Motor HP	
F = 680	4 = ¼ HP	30 = 3 HP
C = 860	3 = ⅓ HP	50 = 5 HP
B = 1140	5 = ½ HP	75 = 7½ HP
A = 1725	7 = ¾ HP	100 = 10 HP
	10 = 1 HP	150 = 15 HP
	15 = 1½ HP	200 = 20 HP
	20 = 2 HP	250 = 25 HP

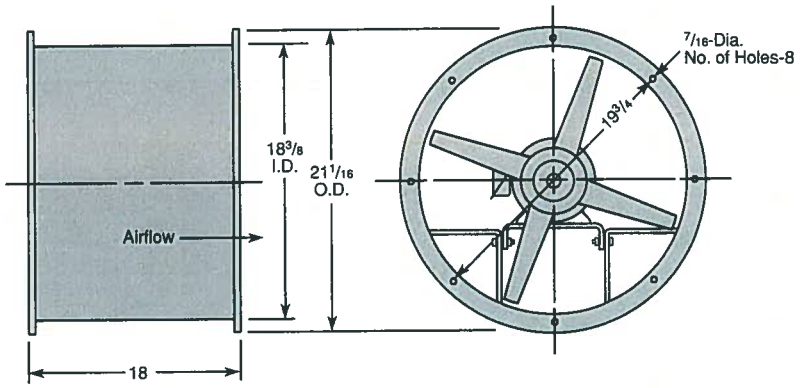




Performance Data

TADI 18

Max Motor Frame Size - 145T
Fan Tube Gauge - 12
Approx. Weight (lbs.) - 75



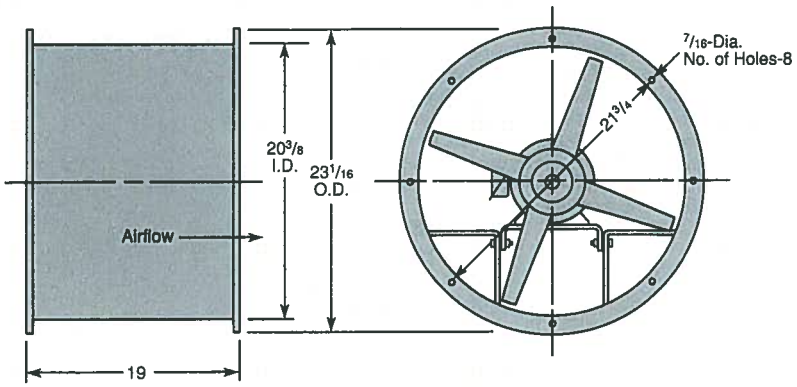
MODEL	RPM TS	MOTOR HP		STATIC PRESSURE IN INCHES W.G.						
				0.000	0.125	0.250	0.375	0.500	0.625	0.750
TADI-18-438-B4	1140 RPM 5372 TS	¼	CFM	3859	3370	2646				
			BHP	0.30	0.30	0.29				
TADI-18-630-B4		¼	CFM	3566	3231	2772				
			BHP	0.24	0.27	0.28				
TADI-18-638-B3		⅓	CFM	4190	3773	3189				
			BHP	0.38	0.38	0.38				
TADI-18-610-A4	1725 RPM 8129 TS	¼	CFM	2631	2509	2364	2175			
			BHP	0.23	0.24	0.26	0.28			
TADI-18-412-A4		¼	CFM	3050	2854	2607	2306			
			BHP	0.25	0.25	0.28	0.29			
TADI-18-316-A4		¼	CFM	3416	3117	2810	2426			
			BHP	0.20	0.26	0.27	0.28			
TADI-18-613-A3		⅓	CFM	3111	2973	2822	2644	2402		
			BHP	0.27	0.30	0.32	0.34	0.36		
TADI-18-417-A3		⅓	CFM	3666	3439	3192	2889	2492		
			BHP	0.29	0.32	0.34	0.36	0.39		
TADI-18-323-A3		⅓	CFM	4148	3848	3523	3119	2603		
			BHP	0.32	0.35	0.37	0.37	0.37		
TADI-18-620-A5		½	CFM	4074	3923	3755	3559	3324	3014	
			BHP	0.45	0.49	0.52	0.55	0.58	0.59	
TADI-18-423-A5		½	CFM	4356	4099	3835	3522	3127		
			BHP	0.48	0.52	0.55	0.57	0.57		
TADI-18-329-A5		½	CFM	4757	4461	4115	3708	3179		
			BHP	0.54	0.56	0.57	0.54	0.52		
TADI-18-626-A7		¾	CFM	4847	4677	4484	4255	3988	3652	3132
			BHP	0.66	0.70	0.73	0.75	0.79	0.82	0.81
TADI-18-338-A7		¾	CFM	5452	5111	4734	4266	3420		
			BHP	0.85	0.85	0.82	0.79	0.73		
TADI-18-435-A7		¾	CFM	5568	5296	4968	4573	4152		
			BHP	0.88	0.90	0.90	0.90	0.91		
TADI-18-634-A10		1	CFM	5873	5657	5417	5112	4749	4371	3919
			BHP	1.07	1.10	1.12	1.13	1.14	1.14	1.11

Performance shown is for Model TADI with inlet and outlet ducts.

Performance Data

TADI 20

Max Motor Frame Size - 145T
Fan Tube Gauge - 12
Approx. Weight (lbs.) - 80



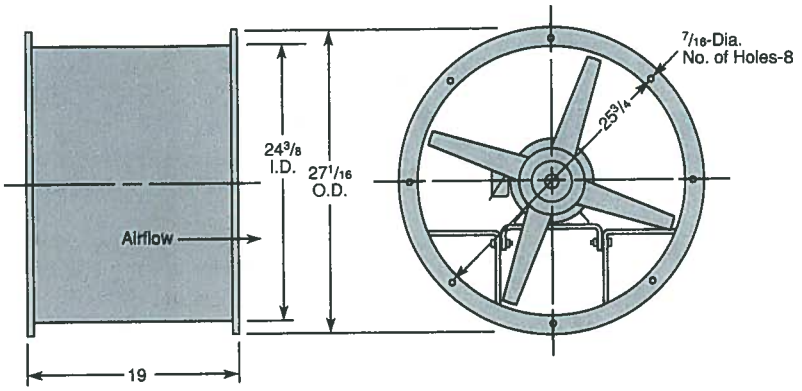
MODEL	RPM TS	MOTOR HP		STATIC PRESSURE IN INCHES W.G.							
				0.000	0.125	0.250	0.375	0.500	0.625	0.750	0.875
TADI-20-620-B4	1140 RPM 5969 TS	¼	CFM	3862	3539	3134	2584				
			BHP	0.21	0.24	0.27	0.28				
TADI-20-427-B4		¼	CFM	4360	3885	3281					
			BHP	0.27	0.28	0.29					
TADI-20-432-B3		⅓	CFM	4783	4285	3658					
			BHP	0.35	0.36	0.35					
TADI-20-331-B3		⅓	CFM	4502	4110	3680	3107				
			BHP	0.30	0.33	0.35	0.36				
TADI-20-335-B5		½	CFM	5336	4946	4454	3758				
			BHP	0.49	0.51	0.52	0.51				
TADI-20-605-A4	1725 RPM 9032 TS	¼	CFM	2890	2724	2565					
			BHP	0.27	0.28	0.29					
TADI-20-408-A4		¼	CFM	3450	3217	2932	2605				
			BHP	0.23	0.25	0.27	0.29				
TADI-20-312-A4		¼	CFM	4112	3774	3388	2978				
			BHP	0.25	0.28	0.30	0.32				
TADI-20-608-A3		⅓	CFM	3504	3346	3181	2986	2720			
			BHP	0.31	0.33	0.35	0.37	0.39			
TADI-20-411-A3		⅓	CFM	3996	3762	3484	3173	2713			
			BHP	0.27	0.30	0.33	0.36	0.37			
TADI-20-315-A3		⅓	CFM	4586	4219	3847	3444	2899			
			BHP	0.32	0.35	0.38	0.40	0.40			
TADI-20-613-A5		½	CFM	4401	4227	4032	3827	3595	3302		
			BHP	0.42	0.47	0.50	0.53	0.56	0.59		
TADI-20-417-A5		½	CFM	5070	4795	4489	4154	3784	3307		
			BHP	0.45	0.48	0.51	0.54	0.57	0.58		
TADI-20-322-A5		½	CFM	5616	5265	4862	4459	3959	3246		
			BHP	0.56	0.58	0.61	0.62	0.62	0.60		
TADI-20-618-A7		¾	CFM	5482	5291	5070	4815	4592	4296	3917	3396
			BHP	0.65	0.68	0.72	0.77	0.81	0.84	0.85	0.86
TADI-20-424-A7		¾	CFM	6221	5876	5563	5209	4831	4339	3720	
			BHP	0.75	0.78	0.81	0.83	0.85	0.85	0.83	
TADI-20-328-A7		¾	CFM	6395	6021	5626	5208	4721			
			BHP	0.84	0.85	0.86	0.86	0.84			
TADI-20-622-A10		1	CFM	6075	5857	5630	5384	5115	4838	4544	4127
			BHP	0.82	0.88	0.93	0.98	1.02	1.07	1.09	1.09
TADI-20-335-A10		1	CFM	7201	6786	6335	5883	5347			
			BHP	1.17	1.17	1.14	1.12	1.09			
TADI-20-429-A10		1	CFM	7018	6683	6355	5988	5594	5157	4443	
			BHP	1.08	1.10	1.12	1.13	1.14	1.13	1.09	

Performance shown is for Model TADI with inlet and outlet ducts.

Performance Data

TADI 24

Max Motor Frame Size - 184T
Fan Tube Gauge - 12
Approx. Weight (lbs.) - 125



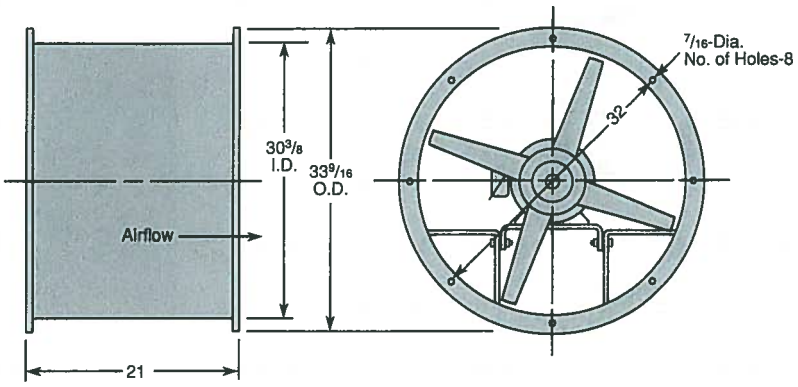
MODEL	RPM TS	MOTOR HP		STATIC PRESSURE IN INCHES W.G.							
				0.000	0.125	0.250	0.375	0.500	0.625	0.750	0.875
TADI-24-624-C4	860 RPM	¼	CFM	5439	4712	3741					
			BHP	0.25	0.28	0.29					
TADI-24-335-C4		¼	CFM	5682	4376						
	5404 TS		BHP	0.29	0.27						
TADI-24-630-C3		⅓	CFM	6215	5391	4313					
			BHP	0.37	0.39	0.38					
TADI-24-609-B4	1140 RPM 7163 TS	¼	CFM	4337	3930	3430	2679				
			BHP	0.22	0.24	0.26	0.27				
TADI-24-412-B4		¼	CFM	5059	4452	3710					
			BHP	0.22	0.25	0.27					
TADI-24-612-B3		⅓	CFM	5105	4665	4167	3480	2212			
			BHP	0.27	0.31	0.34	0.35	0.31			
TADI-24-417-B3		⅓	CFM	5709	5086	4304	3333				
			BHP	0.29	0.33	0.34	0.34				
TADI-24-426-B5		½	CFM	7124	6442	5599	4482				
			BHP	0.56	0.58	0.58	0.54				
TADI-24-621-B5		½	CFM	6735	6250	5670	4983	4116			
			BHP	0.49	0.53	0.57	0.59	0.59			
TADI-24-435-B7		¾	CFM	8182	7392	6389					
			BHP	0.87	0.85	0.80					
TADI-24-630-B7		¾	CFM	8239	7654	6982	6186	5261			
			BHP	0.86	0.88	0.90	0.89	0.84			
TADI-24-635-B10		1	CFM	9028	8399	7667	6763				
			BHP	1.15	1.15	1.14	1.10				
TADI-24-604-A5	1725 RPM 10838 TS	½	CFM	4902	4629	4358	4054	3697	3276		
			BHP	0.57	0.58	0.58	0.58	0.60	0.59		
TADI-24-407-A5		½	CFM	5760	5391	4977	4531	3971	3282		
			BHP	0.46	0.50	0.52	0.55	0.56	0.55		
TADI-24-609-A7		¾	CFM	6563	6306	6033	5736	5407	5002	4522	3958
			BHP	0.75	0.78	0.82	0.87	0.90	0.92	0.93	0.92
TADI-24-316-A7		¾	CFM	7960	7484	6945	6375	5758	5026		
			BHP	0.77	0.82	0.85	0.89	0.91	0.87		
TADI-24-612-A10		1	CFM	7724	7444	7147	6834	6511	6147	5740	
			BHP	0.94	1.00	1.05	1.10	1.15	1.18	1.22	
TADI-24-417-A10		1	CFM	8638	8255	7831	7349	6833	6281	5658	4777
			BHP	1.01	1.07	1.12	1.15	1.18	1.20	1.20	1.14
TADI-24-321-A10		1	CFM	9059	8585	8035	7464	6832	6093	5130	
			BHP	1.12	1.16	1.20	1.23	1.21	1.17	1.10	
TADI-24-618-A15		1½	CFM	9237	8960	8669	8344	7981	7578	7162	6679
			BHP	1.33	1.40	1.47	1.53	1.59	1.64	1.68	1.70
TADI-24-423-A15		1½	CFM	9994	9561	9103	8592	8050	7469	6806	6065
			BHP	1.51	1.57	1.59	1.63	1.65	1.65	1.62	1.58
TADI-24-328-A15		1½	CFM	10293	9806	9264	8628	7859	7041	6134	
			BHP	1.69	1.70	1.70	1.68	1.63	1.56	1.50	
TADI-24-335-A20		2	CFM	11398	10805	10198	9534	8797	7803		
			BHP	2.38	2.33	2.27	2.22	2.16	2.08		
TADI-24-624-A20		2	CFM	10910	10589	10259	9874	9462	9030	8571	8077
			BHP	2.05	2.12	2.18	2.23	2.27	2.32	2.35	2.38
TADI-24-429-A20		2	CFM	11304	10872	10404	9879	9273	8618	7873	7057
			BHP	2.24	2.26	2.27	2.27	2.24	2.20	2.14	2.07
TADI-24-631-A30		3	CFM	12599	12226	11837	11396	10922	10415	9919	9380
			BHP	3.08	3.13	3.18	3.21	3.23	3.24	3.23	3.21

Performance shown is for Model TADI with inlet and outlet ducts.

Performance Data

TADI 30

Max Motor Frame Size - 184T
Fan Tube Gauge - 12
Approx. Weight (lbs.) - 160



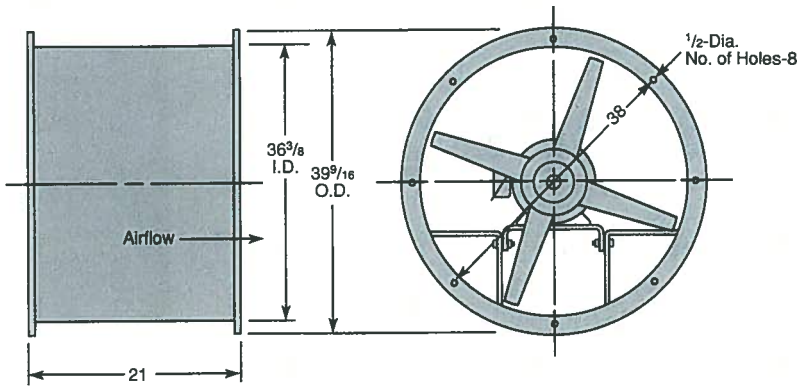
MODEL	RPM TS	MOTOR HP		STATIC PRESSURE IN INCHES W.G.							
				0.000	0.125	0.250	0.375	0.500	0.625	0.750	0.875
TADI-30-609-C4	860 RPM 6754 TS	¼	CFM	6355	5398	4065					
			BHP	0.22	0.26	0.27					
TADI-30-315-C4		¼	CFM	7432	5847						
			BHP	0.26	0.28						
TADI-30-614-C3		⅓	CFM	7754	6818	5523					
			BHP	0.32	0.38	0.40					
TADI-30-419-C3		⅓	CFM	8466	7109	5322					
			BHP	0.38	0.40	0.39					
TADI-30-620-C5		½	CFM	9497	8465	7235					
			BHP	0.54	0.58	0.60					
TADI-30-425-C5		½	CFM	9775	8319	6341					
			BHP	0.57	0.57	0.53					
TADI-30-434-C7		¾	CFM	11039	9478	7375					
			BHP	0.87	0.82	0.76					
TADI-30-627-C7		¾	CFM	11138	9990	8625					
			BHP	0.86	0.88	1.87					
TADI-30-633-C10		1	CFM	12478	11175	9659					
			BHP	1.18	1.15	1.11					
TADI-30-609-B5	1140 RPM 8954 TS	½	CFM	8424	7751	6968	5977	4719			
			BHP	0.51	0.56	0.62	0.63	0.62			
TADI-30-413-B5		½	CFM	9515	8571	7494	6104				
			BHP	0.57	0.62	0.65	0.64				
TADI-30-614-B7		¾	CFM	10279	9612	8838	7917	6660			
			BHP	0.75	0.83	0.89	0.93	0.93			
TADI-30-419-B7		¾	CFM	11222	10243	9151	7901				
			BHP	0.89	0.93	0.94	0.93				
TADI-30-617-B10		1	CFM	11549	10822	10020	9136	8035			
			BHP	1.00	1.06	1.13	1.17	1.17			
TADI-30-422-B10		1	CFM	12227	11282	10119	8787	6865			
			BHP	1.13	1.16	1.16	1.13	1.03			
TADI-30-624-B15		1½	CFM	13666	12891	12093	11094	9993	8298		
			BHP	1.61	1.66	1.70	1.72	1.70	1.58		
TADI-30-430-B15		1½	CFM	14046	12939	11664	10090				
			BHP	1.71	1.69	1.64	1.55				
TADI-30-438-B20		2	CFM	15209	14058	12679	10900				
			BHP	2.31	2.23	2.15	2.06				
TADI-30-630-B20		2	CFM	15600	14763	13793	12696	11494			
			BHP	2.37	2.39	2.38	2.36	2.29			
TADI-30-603-A15	1725 RPM 13548 TS	1½	CFM	9276	8825	8349	7843	7309	6771	6152	54 08
			BHP	1.29	1.29	1.29	1.29	1.29	1.29	1.29	1.27
TADI-30-405-A15		1½	CFM	10686	10087	9434	8691	7856	6992	5980	4791
			BHP	1.12	1.16	1.20	1.26	1.26	1.25	1.24	1.15
TADI-30-606-A15		1½	CFM	11218	10774	10323	9865	9327	8751	8132	7416
			BHP	1.53	1.55	1.58	1.62	1.68	1.72	1.74	1.75
TADI-30-409-A15		1½	CFM	12314	11662	10985	10311	9563	8747	7796	6658
			BHP	1.40	1.48	1.55	1.58	1.63	1.64	1.62	1.56
TADI-30-609-A20		2	CFM	12746	12315	11881	11353	10839	10282	9644	8953
			BHP	1.77	1.85	1.92	2.01	2.09	2.14	2.16	2.18
TADI-30-413-A20		2	CFM	14398	13747	13144	12478	11763	11031	10150	9086
			BHP	1.97	2.08	2.13	2.19	2.24	2.24	2.24	2.19
TADI-30-614-A30		3	CFM	15554	15118	14681	14189	13688	13139	12582	11884
			BHP	2.61	2.74	2.86	2.96	3.05	3.13	3.21	3.23
TADI-30-419-A30		3	CFM	16981	16360	15699	15001	14275	13528	12757	11835
			BHP	3.10	3.16	3.20	3.22	3.24	3.25	3.25	3.23
TADI-30-623-A50		5	CFM	20365	19869	19372	18849	18315	17772	17138	16503
			BHP	5.21	5.32	5.42	5.49	5.55	5.61	5.63	5.66
TADI-30-428-A50		5	CFM	20634	19895	19175	18478	17718	16836	15819	14739
			BHP	5.41	5.40	5.37	5.34	5.29	5.20	5.09	4.97

Performance shown is for Model TADI with inlet and outlet ducts.

Performance Data

TADI 36

Max Motor Frame Size - 215T
Fan Tube Gauge - 12
Approx. Weight (lbs.) - 240



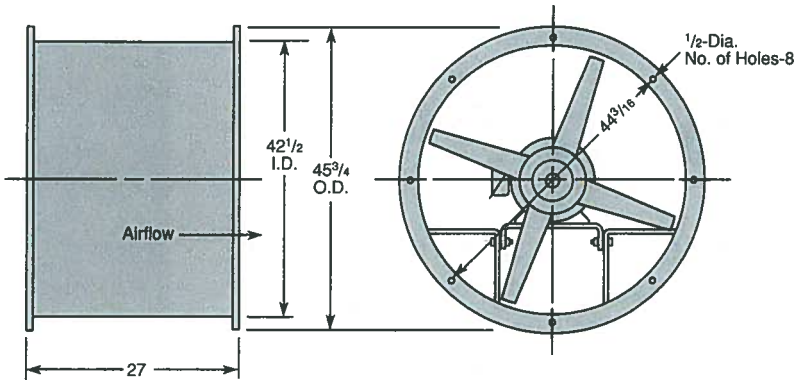
MODEL	RPM TS	MOTOR HP		STATIC PRESSURE IN INCHES W.G.							
				0.000	0.125	0.250	0.375	0.500	0.625	0.750	0.875
TADI-36-608-C5	860 RPM 8105 TS	½	CFM	9463	8354	7018	5043				
			BHP	0.49	0.52	0.55	0.52				
TADI-36-315-C5		½	CFM	11859	9904	7265					
			BHP	0.51	0.55	0.53					
TADI-36-612-C7		¾	CFM	12153	11027	9694	7919				
			BHP	0.68	0.76	0.81	0.83				
TADI-36-418-C7		¾	CFM	13830	12199	10259	7219				
			BHP	0.79	0.85	0.87	0.77				
TADI-36-422-C10		1	CFM	15206	13578	11487	8153				
			BHP	1.08	1.12	1.10	0.96				
TADI-36-617-C10		1	CFM	14367	13170	11818	10122				
			BHP	0.99	1.08	1.15	1.17				
TADI-36-624-C15		1½	CFM	17047	15583	14038	12221				
			BHP	1.66	1.70	1.77	1.78				
TADI-36-630-C20		2	CFM	19688	18150	16423	14500				
			BHP	2.34	2.36	2.33	2.28				
TADI-36-639-C30		3	CFM	21839	20153	18236	16331				
			BHP	3.29	3.23	3.14	3.05				
TADI-36-305-B5	1140 RPM 10744 TS	½	CFM	10659	9270	7551	5390				
			BHP	0.57	0.60	0.59	0.56				
TADI-36-604-B7		¾	CFM	10130	9242	8274	6953	5865	4567		
			BHP	0.93	0.94	0.94	0.93	0.88	0.84		
TADI-36-407-B7		¾	CFM	12322	11118	9887	8392	6384			
			BHP	0.81	0.86	0.91	0.89	0.85			
TADI-36-608-B10		1	CFM	12545	11759	10849	9868	8665	7138		
			BHP	1.14	1.19	1.23	1.27	1.27	1.24		
TADI-36-315-B10		1	CFM	15719	14225	12755	10836				
			BHP	1.19	1.26	1.28	1.27				
TADI-36-610-B15		1½	CFM	14761	13848	13023	12063	10919	9514		
			BHP	1.35	1.46	1.53	1.59	1.63	1.61		
TADI-36-416-B15		1½	CFM	16553	15503	14185	12784	11203			
			BHP	1.49	1.56	1.63	1.67	1.66			
TADI-36-615-B20		2	CFM	17569	16680	15760	14851	13692	12498	10728	
			BHP	1.91	2.02	2.12	2.21	2.27	2.31	2.24	
TADI-36-420-B20		2	CFM	19104	18001	16688	15178	13441	11161		
			BHP	2.19	2.26	2.26	2.31	2.24	2.10		
TADI-36-620-B30		3	CFM	20790	19923	18911	17857	16761	15415	13878	
			BHP	2.88	2.99	3.10	3.19	3.26	3.28	3.23	
TADI-36-426-B30		3	CFM	22069	20698	19258	17546	15714	13701		
			BHP	3.24	3.24	3.21	3.13	3.04	2.92		
TADI-36-440-B50		5	CFM	25645	24329	22782	20458				
			BHP	5.58	5.50	5.41	5.34				
TADI-36-630-B50		5	CFM	26098	24952	23760	22477	21096	19821	17968	
			BHP	5.45	5.49	5.59	5.46	5.40	5.32	5.20	
TADI-36-403-A20	1725 RPM 16258 TS	2	CFM	14857	14022	13203	12348	11445	10473	9430	8322
			BHP	2.21	2.21	2.21	2.21	2.21	2.18	2.14	2.08
TADI-36-305-A20		2	CFM	16129	15273	14308	13295	12138	10892	9528	7905
			BHP	1.98	2.04	2.07	2.07	2.06	2.02	1.97	1.91
TADI-36-407-A30		3	CFM	18646	17811	17055	16248	15436	14562	13609	12561
			BHP	2.81	2.87	2.98	3.02	3.10	3.14	3.11	3.08
TADI-36-310-A30		3	CFM	20132	19200	18310	17348	16265	15129	13896	12579
			BHP	2.76	2.87	2.94	2.99	3.05	3.10	3.09	3.03
TADI-36-610-A50		5	CFM	22335	21732	21129	20565	20021	19477	18830	18167
			BHP	4.68	4.84	5.01	5.13	5.24	5.34	5.43	5.52
TADI-36-416-A50		5	CFM	25047	24375	23703	22846	21984	21087	20183	
			BHP	5.17	5.28	5.39	5.49	5.60	5.70	5.78	5.80
TADI-36-615-A75		7½	CFM	26584	25997	25410	24809	24200	23592	22992	22393
			BHP	6.62	6.78	6.94	7.10	7.25	7.40	7.53	7.66
TADI-36-420-A75		7½	CFM	28908	28188	27468	26628	25768	24838	23854	22828
			BHP	7.60	7.70	7.80	7.81	7.81	7.87	7.98	7.99
TADI-36-620-A100		10	CFM	31459	30885	30312	29682	29006	28331	27641	26927
			BHP	9.99	10.15	10.31	10.48	10.65	10.83	10.97	11.07
TADI-36-426-A100		10	CFM	33394	32488	31582	30674	29765	28683	27577	26395
			BHP	11.23	11.23	11.23	11.21	11.19	11.09	10.98	10.84

Performance shown is for Model TADI with inlet and outlet ducts.

Performance Data

TADI 42

Max Motor Frame Size - 256T
Fan Tube Gauge - 10
Approx. Weight (lbs.) - 500



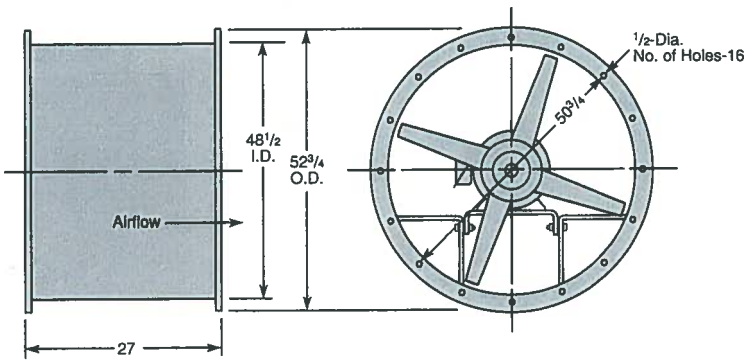
MODEL	RPM TS	MOTOR HP		STATIC PRESSURE IN INCHES W.G.							
				0.000	0.125	0.250	0.375	0.500	0.625	0.750	0.875
TADI-42-324-F7	680 RPM 7477 TS	¾	CFM	17542	13433						
			BHP	0.85	0.79						
TADI-42-615-F7		¾	CFM	15986	13840	11196					
			BHP	0.69	0.80	0.83					
TADI-42-332-F10		1	CFM	19058	14971						
			BHP	1.14	1.09						
TADI-42-618-F10		1	CFM	18213	16032	13285					
			BHP	1.02	1.09	1.12					
TADI-42-425-F10		1	CFM	19302	16033	11259					
			BHP	1.15	1.11	0.98					
TADI-42-626-F15		1½	CFM	21743	19270	16210					
			BHP	1.69	1.71	1.61					
TADI-42-635-F20		2	CFM	24214	21392	18362					
			BHP	2.29	2.25	2.16					
TADI-42-608-C10	860 RPM 9456 TS	1	CFM	16891	15363	13478	11251				
			BHP	0.98	1.09	1.15	1.16				
TADI-42-413-C10		1	CFM	18488	16261	13776	10186				
			BHP	1.03	1.10	1.14	1.03				
TADI-42-317-C10		1	CFM	19430	16620	12778					
			BHP	1.13	1.15	1.06					
TADI-42-615-C15		1½	CFM	20218	18462	16722	14590				
			BHP	1.39	1.55	1.64	1.68				
TADI-42-419-C15		1½	CFM	22102	19805	16942	13266				
			BHP	1.71	1.73	1.68	1.54				
TADI-42-332-C20		2	CFM	24103	20905	17322					
			BHP	2.31	2.24	2.17					
TADI-42-618-C20		2	CFM	23034	21341	19529	17252				
			BHP	2.06	2.16	2.25	2.27				
TADI-42-425-C20		2	CFM	24412	21931	18923	15522				
			BHP	2.33	2.29	2.21	2.08				
TADI-42-435-C30		3	CFM	26845	24425	21300					
			BHP	3.27	3.17	3.11					
TADI-42-625-C30		3	CFM	27070	25358	23243	20840	17850			
			BHP	3.22	3.28	3.29	3.19	3.04			
TADI-42-404-B10	1140 RPM 12535 TS	1	CFM	17177	15575	13746	11646				
			BHP	1.17	1.22	1.23	1.20				
TADI-42-306-B10		1	CFM	17935	15850	13562					
			BHP	1.05	1.11	1.14					
TADI-42-604-B15		1½	CFM	17841	16641	15217	13722	12295	10449	8516	
			BHP	1.69	1.75	1.79	1.80	1.79	1.75	1.69	
TADI-42-310-B15		1½	CFM	21390	19328	17039	14703				
			BHP	1.56	1.66	1.71	1.69				
TADI-42-409-B15		1½	CFM	21381	19730	18035	16167	13829			
			BHP	1.74	1.82	1.89	1.95	1.91			
TADI-42-607-B20		2	CFM	21317	20102	18943	17505	15941	14243	12147	9888
			BHP	2.12	2.23	2.32	2.37	2.39	2.40	2.38	2.27
TADI-42-412-B20		2	CFM	23775	21928	20083	18254	16219			
			BHP	2.08	2.22	2.34	2.38	2.36			
TADI-42-315-B20		2	CFM	24877	22890	20701	18007	14581			
			BHP	2.38	2.46	2.48	2.40	2.19			
TADI-42-415-B30		3	CFM	26376	24676	22972	21128	19066	15942		
			BHP	2.89	3.02	3.10	3.15	3.10	2.90		
TADI-42-319-B30		3	CFM	27113	24974	22479	19735	16689			
			BHP	3.15	3.10	2.98	2.89	2.72			
TADI-42-332-B50		5	CFM	31950	29483	27155	24523	20719			
			BHP	5.38	5.28	5.20	5.09	4.93			
TADI-42-619-B50		5	CFM	31380	30126	28925	27557	25832	24268	22462	20051
			BHP	5.15	5.32	5.42	5.51	5.58	5.61	5.55	5.33
TADI-42-425-B50		5	CFM	32360	30673	28562	26426	23938	21368		
			BHP	5.43	5.37	5.32	5.22	5.07	4.90		
TADI-42-626-B75		7½	CFM	36452	35194	33633	32019	30423	28239	26526	
			BHP	7.96	8.00	8.06	8.04	7.93	7.70	7.51	7.30
TADI-42-635-B100		10	CFM	40594	39128	37338	35584	34109	32102	29879	25360
			BHP	10.77	10.77	10.71	10.59	10.42	10.27	10.06	9.19

Performance shown is for Model TADI with inlet and outlet ducts.

Performance Data

TADI 48

Max Motor Frame Size - 256T
Fan Tube Gauge - 10
Approx. Weight (lbs.) - 540

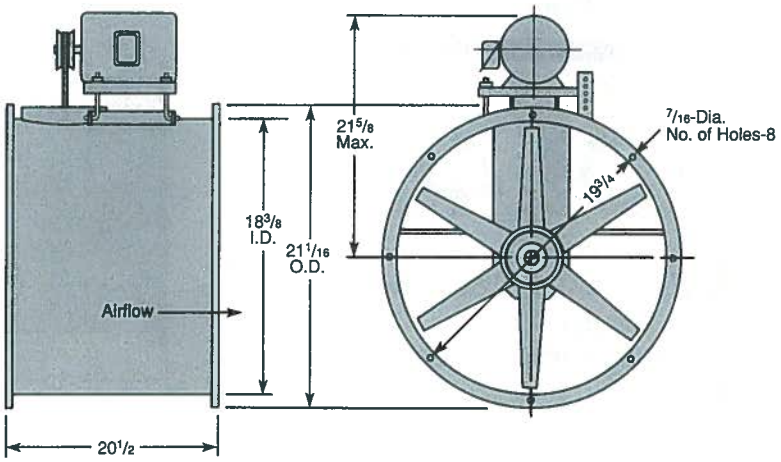


MODEL	RPM TS	MOTOR HP		STATIC PRESSURE IN INCHES W.G.							
				0.000	0.125	0.250	0.375	0.500	0.625	0.750	0.875
TADI-48-411-F7	680 RPM 8545 TS	¾	CFM	20948	17153	12344	3025				
			BHP	0.87	0.89	0.85	0.57				
TADI-48-606-F7		¾	CFM	18275	15662	12455	7793				
			BHP	0.78	0.85	0.87	0.77				
TADI-48-415-F10		1	CFM	22937	19351	14012					
			BHP	1.17	1.19	1.07					
TADI-48-610-F10		1	CFM	21257	18641	15346	10967				
			BHP	1.04	1.15	1.18	1.07				
TADI-48-423-F15		1½	CFM	26435	22076	17030					
			BHP	1.80	1.70	1.56					
TADI-48-616-F15		1½	CFM	25238	22605	19299	14431				
			BHP	1.61	1.71	1.74	1.56				
TADI-48-621-F20		2	CFM	28875	26031	21817					
			BHP	2.39	2.37	2.26					
TADI-48-630-F30		3	CFM	32194	28973	24774					
			BHP	3.35	3.23	3.09					
TADI-48-602-C10	860 RPM 10807 TS	1	CFM	18690	16575	14324	11631	8488			
			BHP	1.18	1.22	1.22	1.19	1.11			
TADI-48-405-C10		1	CFM	21342	18639	15543	11350				
			BHP	1.09	1.18	1.18	1.09				
TADI-48-606-C15		1½	CFM	23113	21073	18974	16318	13201			
			BHP	1.58	1.67	1.75	1.77	1.71			
TADI-48-411-C15		1½	CFM	26493	23624	20343	16547				
			BHP	1.75	1.81	1.80	1.75				
TADI-48-321-C20		2	CFM	29864	25530	21136	15492				
			BHP	2.45	2.33	2.19	1.96				
TADI-48-610-C20		2	CFM	26884	24782	22804	20012	16969			
			BHP	2.11	2.26	2.36	2.38	2.33			
TADI-48-415-C20		2	CFM	29009	26322	23069	18704				
			BHP	2.36	2.41	2.38	2.21				
TADI-48-421-C30		3	CFM	32407	29317	25977	21537				
			BHP	3.35	3.30	3.18	2.97				
TADI-48-615-C30		3	CFM	31373	29097	26673	24087	21187			
			BHP	3.05	3.20	3.29	3.34	3.23			
TADI-48-435-C50		5	CFM	36836	33230	28108					
			BHP	5.66	5.63	5.28					
TADI-48-624-C50		5	CFM	38105	35525	32712	29491	25851			
			BHP	5.48	5.37	5.29	5.10	4.86			
TADI-48-403-B20	1140 RPM 14326 TS	2	CFM	25779	23703	21613	19001	16446	13024	9249	
			BHP	2.17	2.24	2.30	2.29	2.25	2.11	1.87	
TADI-48-306-B20		2	CFM	27106	24586	22053	18992	15249			
			BHP	2.07	2.15	2.18	2.15	2.01			
TADI-48-603-B30		3	CFM	25787	24307	22935	21271	19383	17316	15103	12565
			BHP	2.90	2.99	3.05	3.05	3.05	3.01	2.94	2.82
TADI-48-407-B30		3	CFM	30876	28590	26524	24107	21706	18447	15154	
			BHP	3.00	3.14	3.24	3.29	3.27	3.16	2.93	
TADI-48-610-B50		5	CFM	35636	34095	32451	30985	29336	27176	24885	22563
			BHP	4.90	5.14	5.31	5.45	5.53	5.55	5.52	5.43
TADI-48-321-B50		5	CFM	39587	36089	33174	29959	26028	21725		
			BHP	5.72	5.51	5.41	5.23	4.99	4.68		
TADI-48-415-B50		5	CFM	38454	36479	34379	31969	29245	25805	22063	
			BHP	5.49	5.58	5.64	5.60	5.48	5.23	4.93	
TADI-48-331-B75		7½	CFM	42346	39627	36756	32813				
			BHP	8.32	8.18	8.09	8.01				
TADI-48-616-B75		7½	CFM	42310	40887	39311	37561	35777	33709	31482	28634
			BHP	7.56	7.73	7.91	8.10	8.20	8.20	8.17	7.98
TADI-48-423-B75		7½	CFM	44317	42232	39334	36520	33580	30610	27149	
			BHP	8.49	8.38	8.19	7.97	7.75	7.56	7.21	
TADI-48-431-B100		10	CFM	47458	45050	42531	39920	36461	31972		
			BHP	11.01	10.89	10.68	10.50	10.27	9.79		
TADI-48-621-B100		10	CFM	48408	46588	44919	43314	41349	38603	35525	32815
			BHP	11.27	11.19	11.17	11.15	11.01	10.81	10.54	10.25

Performance shown is for Model TADI with inlet and outlet ducts.

Performance Data

TABI 18L/M



Max RPM - TABI 18L - 3000
TABI 18M - 2710
Max Motor Frame Size - 145T
Shaft Dia. - 1"
Fan Tube Gauge - 12
Approx. Weight (lbs.) - 110

TABI 18L

HP	RPM	TS		STATIC PRESSURE IN INCHES W.G.							
				0.125	0.250	0.375	0.500	0.625	0.750	1.000	1.250
¼	1890	8906	CFM	1914	1659	1270	776				
			BHP	0.19	0.20	0.19	0.18				
¼	2005	9448	CFM	2054	1836	1510	1027				
			BHP	0.23	0.23	0.23	0.23				
¼	2120	9990	CFM	2192	1995	1714	1317	883			
			BHP	0.27	0.27	0.28	0.27	0.26			
⅓	2220	10462	CFM	2312	2131	1883	1548	1102			
			BHP	0.31	0.31	0.32	0.32	0.31			
⅓	2320	10933	CFM	2431	2265	2040	1752	1342	962		
			BHP	0.35	0.36	0.36	0.36	0.36	0.34		
½	2435	11475	CFM	2567	2414	2217	1956	1629	1214		
			BHP	0.40	0.41	0.42	0.42	0.42	0.41		
½	2550	12017	CFM	2702	2557	2380	2153	1875	1493		
			BHP	0.46	0.47	0.48	0.48	0.48	0.47		
½	2665	12559	CFM	2837	2698	2537	2334	2086	1779	1080	
			BHP	0.53	0.53	0.54	0.55	0.55	0.55	0.52	
¾	2790	13148	CFM	2982	2850	2706	2527	2305	2046	1355	
			BHP	0.60	0.61	0.62	0.63	0.63	0.63	0.61	
¾	3000	14137	CFM	3225	3103	2979	2825	2642	2427	1868	1253
			BHP	0.75	0.76	0.77	0.77	0.78	0.78	0.78	0.74

TABI 18M

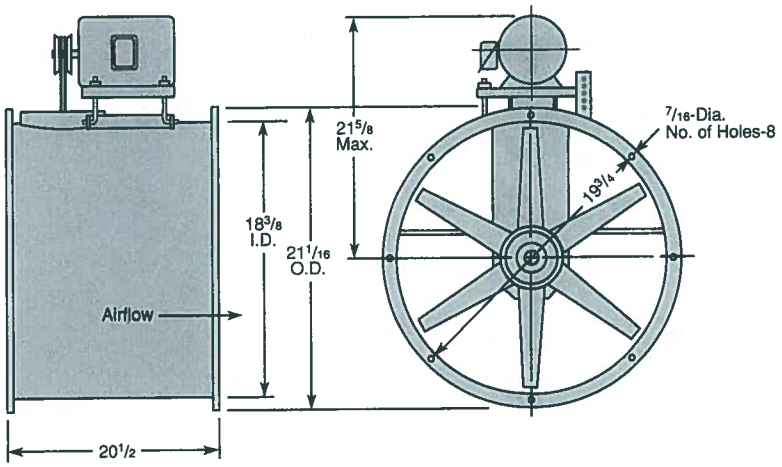
HP	RPM	TS		STATIC PRESSURE IN INCHES W.G.							
				0.125	0.250	0.375	0.500	0.625	0.750	1.000	1.250
¼	1610	7587	CFM	2171	1937	1621					
			BHP	0.22	0.23	0.23					
¼	1710	8058	CFM	2331	2120	1847					
			BHP	0.26	0.27	0.28					
⅓	1785	8412	CFM	2450	2252	2010	1687				
			BHP	0.30	0.31	0.32	0.32				
⅓	1860	8765	CFM	2568	2381	2163	1874				
			BHP	0.34	0.35	0.36	0.36				
½	2000	9425	CFM	2788	2618	2424	2189	1899			
			BHP	0.42	0.43	0.44	0.45	0.45			
½	2140	10085	CFM	3004	2849	2678	2483	2233	1933		
			BHP	0.51	0.52	0.53	0.54	0.55	0.55		
¾	2250	10603	CFM	3173	3027	2868	2689	2479	2231		
			BHP	0.59	0.60	0.62	0.63	0.64	0.64		
¾	2350	11074	CFM	3327	3187	3038	2873	2691	2459		
			BHP	0.67	0.68	0.70	0.71	0.72	0.73		
¾	2450	11545	CFM	3479	3347	3207	3055	2884	2683	2171	
			BHP	0.76	0.77	0.79	0.80	0.81	0.82	0.83	
1	2580	12158	CFM	3677	3553	3422	3280	3126	2959	2535	
			BHP	0.88	0.90	0.91	0.93	0.94	0.95	0.97	
1	2710	12771	CFM	3874	3758	3633	3502	3363	3209	2832	
			BHP	1.02	1.04	1.05	1.07	1.08	1.10	1.11	

Performance shown is for Model TABI with inlet and outlet ducts.
BHP does not include drive losses.

Performance Data

TABI 18H

Max RPM - 2290
Max Motor Frame Size - 145T
Shaft Dia. - 1"
Fan Tube Gauge - 12
Approx. Weight (lbs.) - 110



TABI 18H

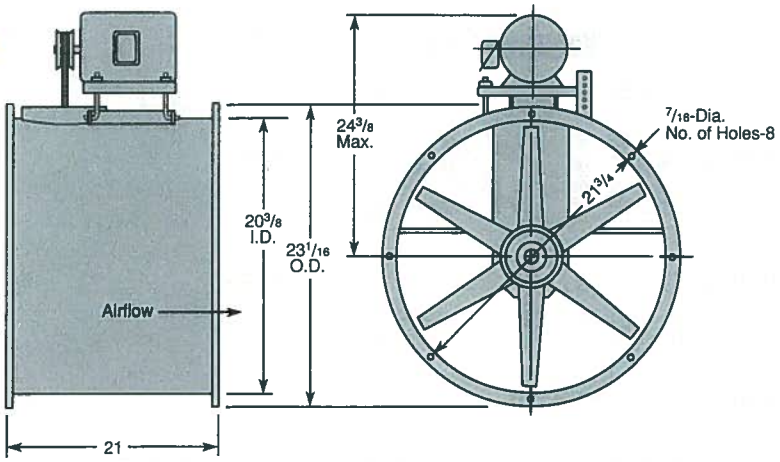
HP	RPM	TS		STATIC PRESSURE IN INCHES W.G.							
				0.125	0.250	0.375	0.500	0.625	0.750	1.000	1.250
¼	1220	5749	CFM	2783	2432	1927					
			BHP	0.23	0.25	0.25					
¼	1270	5985	CFM	2919	2595	2155					
			BHP	0.26	0.28	0.28					
⅓	1325	6244	CFM	3069	2769	2377					
			BHP	0.30	0.32	0.32					
⅓	1375	6480	CFM	3204	2922	2566	2041				
			BHP	0.33	0.35	0.36	0.35				
½	1435	6762	CFM	3366	3104	2784	2346				
			BHP	0.37	0.40	0.41	0.41				
½	1485	6998	CFM	3500	3254	2949	2571				
			BHP	0.41	0.44	0.45	0.45				
½	1535	7234	CFM	3633	3402	3112	2763				
			BHP	0.45	0.48	0.50	0.50				
½	1585	7469	CFM	3764	3547	3273	2953	2534			
			BHP	0.49	0.52	0.55	0.55	0.55			
¾	1635	7705	CFM	3895	3686	3429	3139	2761			
			BHP	0.54	0.57	0.60	0.61	0.61			
¾	1680	7917	CFM	4012	3810	3567	3291	2951			
			BHP	0.59	0.62	0.64	0.66	0.66			
¾	1725	8129	CFM	4129	3934	3703	3439	3123	2724		
			BHP	0.63	0.66	0.69	0.71	0.71	0.71		
¾	1770	8341	CFM	4246	4058	3839	3586	3294	2930		
			BHP	0.68	0.71	0.74	0.76	0.77	0.77		
¾	1815	8553	CFM	4362	4181	3974	3731	3462	3132		
			BHP	0.73	0.76	0.80	0.82	0.83	0.83		
1	1860	8765	CFM	4479	4303	4108	3873	3619	3308		
			BHP	0.79	0.82	0.85	0.88	0.89	0.89		
1	1905	8977	CFM	4595	4425	4241	4011	3768	3480		
			BHP	0.84	0.88	0.91	0.94	0.96	0.96		
1	1950	9189	CFM	4711	4547	4369	4149	3915	3649	2937	
			BHP	0.90	0.94	0.97	1.00	1.02	1.03	1.01	
1	1995	9401	CFM	4826	4668	4494	4286	4061	3817	3160	
			BHP	0.97	1.00	1.04	1.07	1.09	1.10	1.09	
1½	2050	9660	CFM	4968	4815	4646	4452	4238	4006	3411	
			BHP	1.05	1.08	1.12	1.15	1.18	1.19	1.19	
1½	2110	9943	CFM	5122	4976	4811	4631	4424	4203	3674	
			BHP	1.14	1.18	1.21	1.25	1.28	1.30	1.30	
1½	2170	10226	CFM	5275	5136	4976	4810	4608	4399	3905	
			BHP	1.24	1.27	1.31	1.35	1.38	1.41	1.42	
1½	2230	10509	CFM	5429	5293	5140	4984	4790	4592	4133	3531
			BHP	1.34	1.38	1.42	1.46	1.49	1.52	1.54	1.53
1½	2290	10791	CFM	5582	5450	5303	5151	4971	4780	4357	3805
			BHP	1.45	1.49	1.53	1.57	1.61	1.64	1.67	1.66

Performance shown is for Model TABI with inlet and outlet ducts.
BHP does not include drive losses.

Performance Data

TABI 20

Max RPM - 2225
Max Motor Frame Size - 182T
Shaft Dia. - 1"
Fan Tube Gauge - 12
Approx. Weight (lbs.) - 125



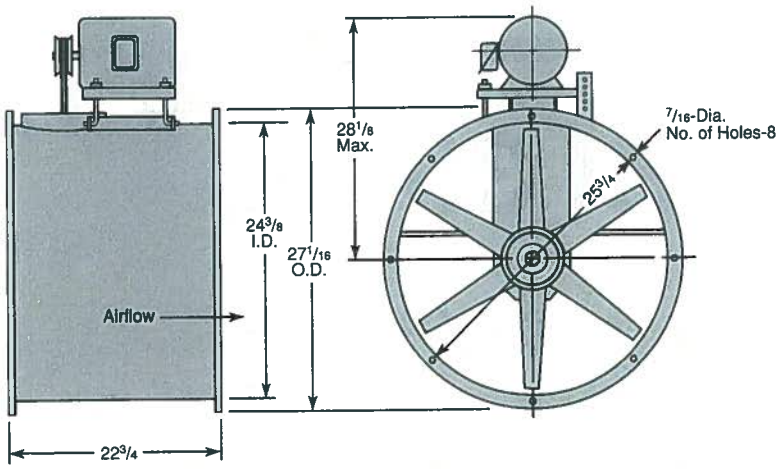
HP	RPM	TS		STATIC PRESSURE IN INCHES W.G.							
				0.125	0.250	0.375	0.500	0.625	0.750	1.000	1.250
¼	1095	5733	CFM	3272	2801						
			BHP	0.23	0.25						
¼	1145	5995	CFM	3454	3021	2414					
			BHP	0.26	0.28	0.28					
⅓	1200	6283	CFM	3653	3255	2756					
			BHP	0.29	0.32	0.33					
⅓	1250	6545	CFM	3832	3459	2999					
			BHP	0.33	0.36	0.37					
½	1310	6859	CFM	4046	3701	3285	2708				
			BHP	0.38	0.40	0.43	0.43				
½	1370	7173	CFM	4259	3939	3560	3096				
			BHP	0.43	0.46	0.48	0.49				
½	1430	7487	CFM	4470	4175	3818	3399				
			BHP	0.49	0.51	0.54	0.55				
¾	1480	7749	CFM	4646	4369	4029	3639	3128			
			BHP	0.54	0.57	0.60	0.61	0.61			
¾	1530	8011	CFM	4821	4560	4233	3875	3450			
			BHP	0.60	0.62	0.65	0.68	0.68			
¾	1580	8273	CFM	4995	4743	4435	4102	3709			
			BHP	0.65	0.68	0.71	0.74	0.75			
¾	1630	8535	CFM	5169	4924	4635	4318	3950	3483		
			BHP	0.72	0.74	0.78	0.81	0.82	0.82		
1	1685	8823	CFM	5357	5123	4853	4553	4212	3837		
			BHP	0.79	0.82	0.85	0.88	0.90	0.91		
1	1725	9032	CFM	5494	5267	5010	4718	4400	4035		
			BHP	0.84	0.87	0.91	0.94	0.97	0.97		
1	1765	9242	CFM	5630	5410	5166	4881	4580	4229		
			BHP	0.90	0.93	0.97	1.00	1.03	1.04		
1	1805	9451	CFM	5766	5553	5322	5043	4753	4420		
			BHP	0.96	1.00	1.03	1.07	1.10	1.11		
1½	1880	9844	CFM	6021	5820	5607	5343	5074	4775	4008	
			BHP	1.09	1.12	1.15	1.19	1.23	1.26	1.26	
1½	1940	10158	CFM	6224	6032	5826	5581	5322	5045	4394	
			BHP	1.19	1.23	1.26	1.30	1.34	1.37	1.39	
1½	2000	10472	CFM	6427	6244	6044	5817	5565	5304	4699	
			BHP	1.30	1.34	1.37	1.41	1.45	1.49	1.52	
1½	2060	10786	CFM	6629	6454	6261	6051	5807	5560	4988	4207
			BHP	1.42	1.46	1.49	1.53	1.57	1.62	1.66	1.65
2	2115	11074	CFM	6815	6647	6459	6264	6026	5788	5251	4566
			BHP	1.53	1.58	1.61	1.65	1.69	1.74	1.79	1.79
2	2170	11362	CFM	7000	6839	6656	6472	6244	6012	5509	4920
			BHP	1.65	1.70	1.73	1.77	1.82	1.86	1.93	1.94
2	2225	11650	CFM	7185	7031	6852	6673	6460	6234	5760	5199
			BHP	1.78	1.83	1.86	1.90	1.95	1.99	2.07	2.09

Performance shown is for Model TABI with inlet and outlet ducts.
BHP does not include drive losses.

Performance Data

TABI 24

Max RPM - 1990
Max Motor Frame Size - 184T
Shaft Dia. - 1"
Fan Tube Gauge - 12
Approx. Weight (lbs.) - 180



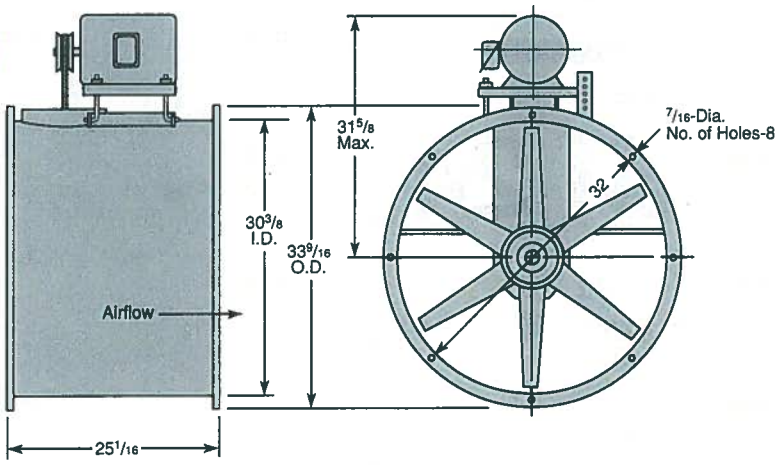
HP	RPM	TS		STATIC PRESSURE IN INCHES W.G.							
				0.125	0.250	0.375	0.500	0.750	1.000	1.250	1.500
1/3	900	5655	CFM	4431	3625						
			BHP	0.27	0.29						
1/3	970	6095	CFM	4888	4170	3090					
			BHP	0.34	0.36	0.35					
1/2	1040	6535	CFM	5318	4685	3927					
			BHP	0.41	0.44	0.45					
1/2	1110	6974	CFM	5744	5173	4503					
			BHP	0.50	0.53	0.55					
3/4	1165	7320	CFM	6075	5548	4931	4178				
			BHP	0.57	0.61	0.63	0.63				
3/4	1220	7665	CFM	6405	5917	5349	4696				
			BHP	0.65	0.69	0.72	0.73				
3/4	1275	8011	CFM	6733	6281	5747	5145				
			BHP	0.74	0.78	0.81	0.83				
1	1315	8262	CFM	6970	6543	6027	5461				
			BHP	0.81	0.85	0.89	0.91				
1	1360	8545	CFM	7233	6836	6339	5807				
			BHP	0.89	0.93	0.97	1.00				
1	1405	8828	CFM	7496	7117	6647	6148	4898			
			BHP	0.98	1.02	1.07	1.09	1.09			
1 1/2	1455	9142	CFM	7786	7424	6984	6514	5398			
			BHP	1.08	1.13	1.18	1.21	1.23			
1 1/2	1505	9456	CFM	8076	7730	7318	6866	5841			
			BHP	1.20	1.24	1.29	1.33	1.37			
1 1/2	1555	9770	CFM	8365	8033	7649	7214	6249			
			BHP	1.32	1.36	1.41	1.46	1.50			
1 1/2	1605	10085	CFM	8653	8336	7978	7558	6646	5479		
			BHP	1.44	1.49	1.55	1.60	1.65	1.62		
2	1650	10367	CFM	8912	8606	8271	7863	6993	5934		
			BHP	1.57	1.62	1.67	1.72	1.78	1.78		
2	1695	10650	CFM	9171	8876	8558	8165	7336	6381		
			BHP	1.70	1.75	1.80	1.86	1.92	1.95		
2	1740	10933	CFM	9429	9145	8835	8465	7675	6763		
			BHP	1.83	1.88	1.94	2.00	2.07	2.11		
3	1790	11247	CFM	9716	9443	9142	8796	8034	7170	6081	
			BHP	1.99	2.05	2.10	2.16	2.25	2.29	2.25	
3	1840	11561	CFM	10002	9740	9447	9125	8386	7571	6587	
			BHP	2.16	2.21	2.27	2.33	2.43	2.48	2.47	
3	1890	11875	CFM	10287	10035	9751	9452	8735	7958	7084	
			BHP	2.34	2.39	2.45	2.51	2.62	2.68	2.71	
3	1940	12189	CFM	10573	10327	10054	9776	9080	8340	7517	6180
			BHP	2.52	2.58	2.64	2.71	2.82	2.89	2.93	2.78
3	1990	12504	CFM	10858	10618	10355	10084	9421	8718	7925	6957
			BHP	2.72	2.78	2.84	2.91	3.03	3.11	3.15	3.11

Performance shown is for Model TABI with inlet and outlet ducts.
BHP does not include drive losses.

Performance Data

TABI 30

Max RPM - 1815
Max Motor Frame Size - 213T
Shaft Dia. - 1¼"
Fan Tube Gauge - 12
Approx. Weight (lbs.) - 250



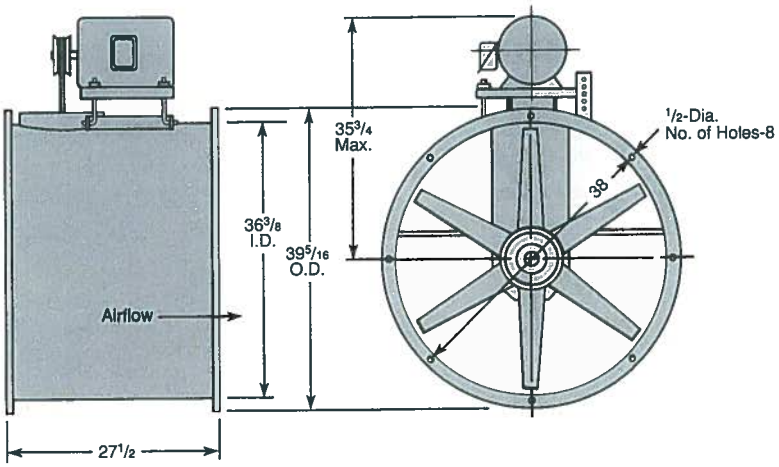
HP	RPM	TS		STATIC PRESSURE IN INCHES W.G.							
				0.125	0.250	0.375	0.500	0.750	1.000	1.250	1.500
½	805	6322	CFM	6988	5791						
			BHP	0.44	0.46						
½	865	6794	CFM	7663	6630	5035					
			BHP	0.54	0.57	0.55					
¾	925	7265	CFM	8333	7380	6172					
			BHP	0.66	0.69	0.69					
¾	985	7736	CFM	8994	8111	7080	5438				
			BHP	0.79	0.83	0.84	0.79				
1	1025	8050	CFM	9431	8579	7652	6356				
			BHP	0.88	0.93	0.95	0.93				
1	1055	8286	CFM	9758	8927	8064	6895				
			BHP	0.96	1.01	1.03	1.03				
1	1085	8522	CFM	10082	9273	8442	7408				
			BHP	1.04	1.09	1.12	1.13				
1½	1140	8954	CFM	10673	9900	9126	8213				
			BHP	1.20	1.26	1.29	1.31				
1½	1190	9346	CFM	11200	10464	9737	8927	6211			
			BHP	1.36	1.42	1.46	1.49	1.35			
1½	1240	9739	CFM	11724	11025	10328	9587	7505			
			BHP	1.54	1.60	1.64	1.67	1.64			
2	1275	10014	CFM	12090	11416	10736	10025	8139			
			BHP	1.67	1.73	1.78	1.81	1.80			
2	1310	10289	CFM	12454	11805	11140	10459	8761			
			BHP	1.80	1.87	1.92	1.96	1.98			
2	1345	10564	CFM	12818	12192	11542	10889	9312			
			BHP	1.95	2.02	2.07	2.12	2.14			
3	1390	10917	CFM	13285	12687	12055	11435	9969	7609		
			BHP	2.15	2.22	2.28	2.33	2.37	2.20		
3	1440	11310	CFM	13802	13234	12620	12022	10686	8816		
			BHP	2.38	2.45	2.52	2.57	2.63	2.57		
3	1490	11702	CFM	14318	13778	13181	12602	11379	9715		
			BHP	2.63	2.71	2.78	2.84	2.91	2.89		
3	1540	12095	CFM	14833	14319	13741	13178	12009	10560	8121	
			BHP	2.90	2.98	3.06	3.12	3.20	3.22	2.94	
5	1595	12527	CFM	15398	14911	14354	13806	12694	11366	9583	
			BHP	3.22	3.30	3.38	3.45	3.54	3.58	3.49	
5	1650	12959	CFM	15962	15493	14962	14429	13370	12158	10579	
			BHP	3.56	3.64	3.72	3.80	3.91	3.96	3.91	
5	1705	13391	CFM	16525	16071	15567	15047	14036	12937	11553	9390
			BHP	3.92	4.00	4.09	4.18	4.29	4.37	4.37	4.08
5	1760	13823	CFM	17087	16647	16169	15663	14681	13638	12368	10731
			BHP	4.30	4.39	4.48	4.57	4.70	4.79	4.81	4.70
5	1815	14255	CFM	17648	17221	16767	16277	15321	14326	13166	11723
			BHP	4.71	4.81	4.90	4.99	5.13	5.23	5.27	5.21

Performance shown is for Model TABI with inlet and outlet ducts.
BHP does not include drive losses.

Performance Data

TABI 36

Max RPM - 1710
Max Motor Frame Size - 215T
Shaft Dia. - 1½"
Fan Tube Gauge - 12
Approx. Weight (lbs.) - 330



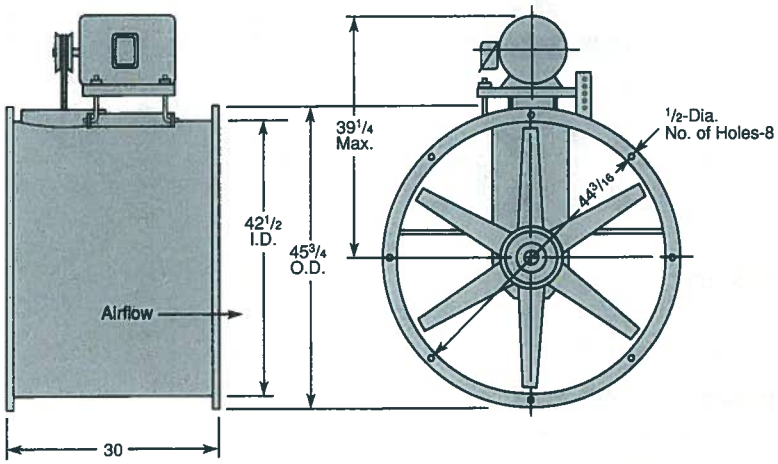
HP	RPM	TS		STATIC PRESSURE IN INCHES W.G.							
				0.125	0.250	0.375	0.500	0.750	1.000	1.250	1.500
¾	760	7163	CFM	10334	8551						
			BHP	0.67	0.69						
¾	810	7634	CFM	11210	9663	7243					
			BHP	0.80	0.84	0.78					
1	885	8058	CFM	11986	10560	8590					
			BHP	0.94	0.98	0.96					
1	895	8435	CFM	12670	11343	9643	6866				
			BHP	1.07	1.11	1.12	0.99				
1½	945	8906	CFM	13518	12286	10797	8693				
			BHP	1.25	1.30	1.32	1.26				
1½	985	9283	CFM	14191	13012	11693	9855				
			BHP	1.41	1.47	1.50	1.46				
1½	1025	9660	CFM	14860	13730	12495	10936				
			BHP	1.59	1.65	1.69	1.68				
2	1070	10085	CFM	15609	14530	13383	11983				
			BHP	1.80	1.87	1.91	1.92				
2	1110	10462	CFM	16271	15235	14161	12894	9015			
			BHP	2.00	2.08	2.12	2.15	1.94			
3	1145	10791	CFM	16844	15844	14821	13656	10225			
			BHP	2.19	2.27	2.32	2.36	2.21			
3	1185	11168	CFM	17497	16536	15550	14457	11473			
			BHP	2.42	2.51	2.56	2.60	2.53			
3	1225	11545	CFM	18148	17223	16272	15247	12585			
			BHP	2.66	2.76	2.82	2.87	2.84			
3	1265	11922	CFM	18797	17906	16988	16028	13621	9669		
			BHP	2.93	3.02	3.10	3.15	3.16	2.79		
5	1295	12205	CFM	19282	18416	17522	16608	14319	10872		
			BHP	3.13	3.24	3.31	3.37	3.40	3.12		
5	1345	12676	CFM	20089	19261	18405	17531	15464	12584		
			BHP	3.50	3.61	3.70	3.76	3.82	3.66		
5	1395	13148	CFM	20895	20102	19278	18438	16577	13993		
			BHP	3.90	4.01	4.11	4.17	4.27	4.16		
5	1445	13619	CFM	21698	20939	20143	19336	17580	15359	12057	
			BHP	4.32	4.44	4.55	4.62	4.72	4.71	4.32	
5	1495	14090	CFM	22499	21772	21003	20227	18569	16526	13774	
			BHP	4.77	4.91	5.01	5.10	5.21	5.23	4.99	
7½	1560	14703	CFM	23538	22849	22112	21374	19837	18013	15655	12406
			BHP	5.41	5.56	5.67	5.77	5.89	5.96	5.82	5.33
7½	1610	15174	CFM	24336	23670	22961	22247	20790	19125	17029	14143
			BHP	5.94	6.09	6.21	6.32	6.46	6.56	6.50	6.10
7½	1660	15645	CFM	25133	24486	23805	23112	21703	20129	18211	15779
			BHP	6.50	6.65	6.78	6.90	7.05	7.17	7.15	6.91
7½	1710	16116	CFM	25928	25301	24645	23973	22609	21121	19363	17180
			BHP	7.09	7.25	7.39	7.51	7.68	7.81	7.84	7.67

Performance shown is for Model TABI with inlet and outlet ducts.
BHP does not include drive losses.

Performance Data

TABI 42

Max RPM - 1590
Max Motor Frame Size - 215T
Shaft Dia. - 1½"
Fan Tube Gauge - 10
Approx. Weight (lbs.) - 450



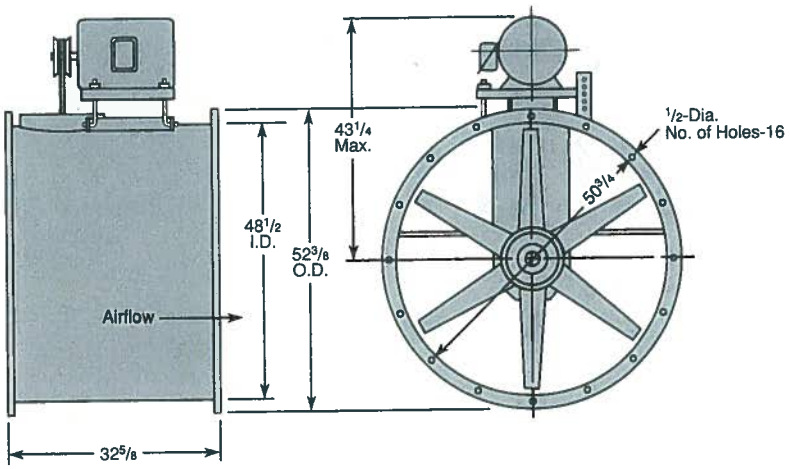
HP	RPM	TS		STATIC PRESSURE IN INCHES W.G.							
				0.125	0.250	0.375	0.500	0.750	1.000	1.250	1.500
1	715	7862	CFM	13918	11708	8513					
			BHP	0.92	0.97	0.91					
1	750	8247	CFM	14805	12740	10083					
			BHP	1.06	1.12	1.08					
1½	790	8687	CFM	15796	13861	11624					
			BHP	1.23	1.29	1.29					
1½	825	9071	CFM	16652	14812	12787	9796				
			BHP	1.39	1.46	1.49	1.39				
1½	860	9456	CFM	17502	15750	13870	11380				
			BHP	1.56	1.64	1.69	1.62				
2	895	9841	CFM	18346	16677	14912	12841				
			BHP	1.76	1.84	1.90	1.87				
2	930	10226	CFM	19186	17593	15936	14017				
			BHP	1.96	2.05	2.13	2.12				
3	975	10721	CFM	20259	18757	17180	15471				
			BHP	2.25	2.35	2.43	2.46				
3	1020	11215	CFM	21306	19908	18400	16820	12463			
			BHP	2.56	2.67	2.76	2.81	2.66			
3	1065	11710	CFM	22349	21046	19602	18143	14449			
			BHP	2.91	3.02	3.12	3.20	3.10			
5	1110	12205	CFM	23387	22162	20789	19404	16196			
			BHP	3.28	3.41	3.50	3.59	3.57			
5	1160	12755	CFM	24537	23386	22092	20766	17863	13488		
			BHP	3.73	3.86	3.97	4.07	4.13	3.84		
5	1210	13305	CFM	25683	24601	23380	22109	19428	15820		
			BHP	4.22	4.36	4.48	4.58	4.70	4.51		
5	1260	13854	CFM	26825	25808	24655	23434	20919	17965		
			BHP	4.76	4.90	5.03	5.14	5.30	5.20		
7½	1310	14404	CFM	27964	27008	25919	24744	22385	19650	15783	
			BHP	5.33	5.49	5.63	5.74	5.95	5.91	5.61	
7½	1355	14899	CFM	28987	28083	27032	25912	23643	21137	17783	
			BHP	5.89	6.05	6.20	6.32	6.54	6.60	6.34	
7½	1400	15394	CFM	30008	29143	28136	27069	24872	22518	19737	15381
			BHP	6.48	6.65	6.80	6.94	7.17	7.28	7.12	6.60
7½	1440	15834	CFM	30915	30073	29112	28090	25954	23714	21144	17513
			BHP	7.05	7.22	7.38	7.52	7.76	7.91	7.81	7.47
10	1485	16328	CFM	31932	31117	30204	29231	27159	25041	22646	19510
			BHP	7.72	7.89	8.06	8.21	8.47	8.67	8.64	8.35
10	1520	16713	CFM	32723	31926	31050	30113	28089	26062	23797	21034
			BHP	8.27	8.45	8.62	8.78	9.04	9.29	9.32	9.06
10	1555	17098	CFM	33513	32734	31893	30978	29012	27035	24867	22404
			BHP	8.84	9.03	9.21	9.37	9.64	9.90	9.98	9.80
10	1590	17483	CFM	34302	33540	32733	31838	29930	27996	25918	23584
			BHP	9.44	9.63	9.82	9.99	10.27	10.54	10.66	10.54

Performance shown is for Model TABI with inlet and outlet ducts.
BHP does not include drive losses.

Performance Data

TABI 48

Max RPM - 1375
Max Motor Frame Size - 254T
Shaft Dia. - 1½"
Fan Tube Gauge - 10
Approx. Weight (lbs.) - 600



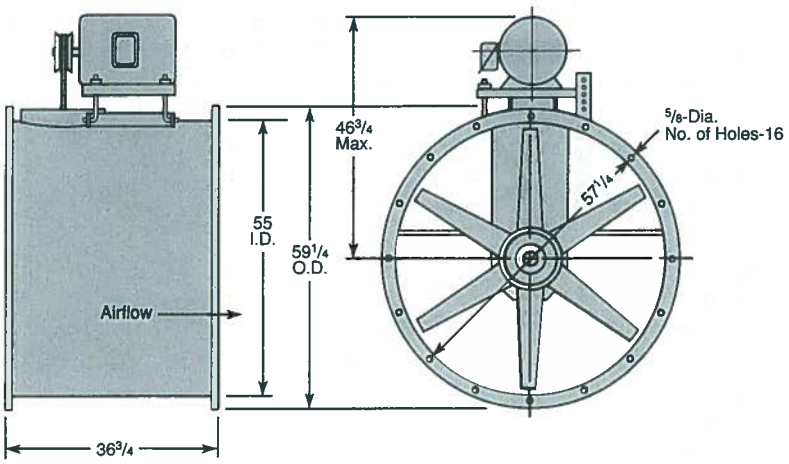
HP	RPM	TS		STATIC PRESSURE IN INCHES W.G.							
				0.125	0.250	0.375	0.500	0.750	1.000	1.250	1.500
1½	695	8733	CFM	18197	15113	11395					
			BHP	1.34	1.36	1.26					
1½	715	8984	CFM	18880	15919	12470					
			BHP	1.46	1.49	1.41					
1½	745	9361	CFM	19898	17097	13934					
			BHP	1.64	1.68	1.63					
2	775	9738	CFM	20907	18254	15307	11646				
			BHP	1.84	1.89	1.86	1.69				
2	805	10115	CFM	21896	19377	16586	13293				
			BHP	2.06	2.11	2.10	1.96				
3	840	10555	CFM	23037	20668	18049	15131				
			BHP	2.33	2.39	2.40	2.31				
3	885	11121	CFM	24493	22303	19865	17243				
			BHP	2.72	2.79	2.82	2.76				
3	920	11561	CFM	25618	23557	21233	18749				
			BHP	3.04	3.12	3.16	3.13				
5	955	12000	CFM	26737	24775	22576	20221	14587			
			BHP	3.40	3.48	3.54	3.52	3.18			
5	985	12377	CFM	27692	25807	23697	21461	16230			
			BHP	3.72	3.81	3.87	3.88	3.59			
5	1020	12817	CFM	28803	27002	24991	22863	18104			
			BHP	4.12	4.22	4.29	4.31	4.11			
5	1050	13194	CFM	29751	28019	26088	24039	19537			
			BHP	4.49	4.60	4.67	4.71	4.55			
5	1090	13697	CFM	31012	29365	27535	25586	21388			
			BHP	5.01	5.13	5.21	5.26	5.17			
7½	1120	14074	CFM	31954	30362	28610	26715	22675	17794		
			BHP	5.43	5.56	5.64	5.70	5.63	5.21		
7½	1150	14451	CFM	32894	31344	29664	27832	23944	19422		
			BHP	5.87	6.00	6.09	6.16	6.13	5.77		
7½	1180	14828	CFM	33832	32321	30701	28938	25196	21019		
			BHP	6.34	6.47	6.57	6.64	6.64	6.38		
7½	1215	15268	CFM	34924	33457	31903	30217	26638	22680		
			BHP	6.91	7.05	7.15	7.23	7.29	7.06		
7½	1245	15645	CFM	35848	34426	32926	31304	27834	24080	19500	
			BHP	7.43	7.57	7.68	7.77	7.84	7.67	7.11	
10	1280	16084	CFM	36924	35553	34114	32562	29208	25616	21406	
			BHP	8.06	8.21	8.33	8.42	8.52	8.39	7.93	
10	1310	16461	CFM	37845	36515	35126	33631	30374	26893	23011	
			BHP	8.63	8.79	8.92	9.02	9.14	9.03	8.68	
10	1345	16901	CFM	38918	37634	36301	34845	31717	28364	24724	20320
			BHP	9.33	9.49	9.64	9.74	9.89	9.82	9.53	8.84
10	1375	17278	CFM	39836	38590	37294	35879	32842	29610	26134	21974
			BHP	9.96	10.13	10.28	10.39	10.54	10.53	10.28	9.65

Performance shown is for Model TABI with inlet and outlet ducts.
BHP does not include drive losses.

Performance Data

TABI 54

Max RPM - 1140
Max Motor Frame Size - 256T
Shaft Dia. - 1¾"
Fan Tube Gauge - 10
Approx. Weight (lbs.) - 820



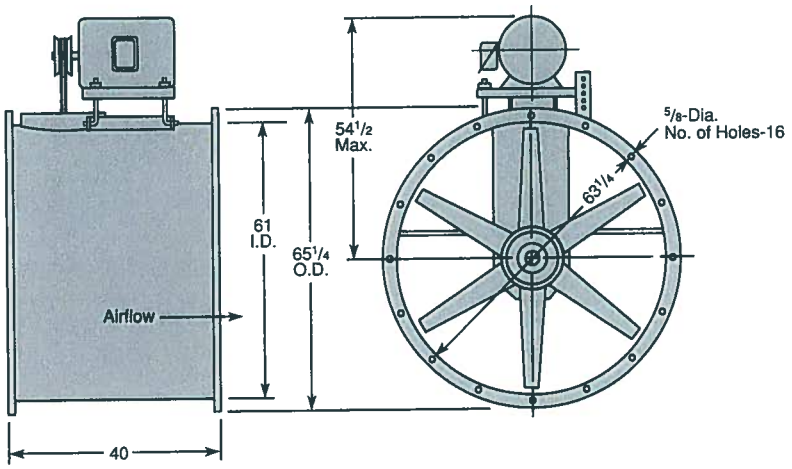
HP	RPM	TS		STATIC PRESSURE IN INCHES W.G.							
				0.125	0.250	0.375	0.500	0.750	1.000	1.250	1.500
2	550	7775	CFM	24519	19338						
			BHP	1.74	1.67						
2	585	8270	CFM	26632	21966						
			BHP	2.09	2.04						
3	605	8552	CFM	27826	23403	17137					
			BHP	2.31	2.27	2.01					
3	635	8977	CFM	29590	25520	20545					
			BHP	2.67	2.65	2.48					
3	665	9401	CFM	31336	27594	22994					
			BHP	3.06	3.06	2.92					
5	690	9754	CFM	32779	29239	24967					
			BHP	3.41	3.43	3.32					
5	715	10108	CFM	34214	30807	26796	21959				
			BHP	3.79	3.82	3.72	3.46				
5	745	10532	CFM	35924	32666	28950	24692				
			BHP	4.28	4.32	4.24	4.04				
5	770	10885	CFM	37342	34199	30716	26722				
			BHP	4.72	4.77	4.71	4.54				
5	795	11239	CFM	38753	35718	32456	28701				
			BHP	5.19	5.25	5.21	5.08				
7½	825	11663	CFM	40438	37525	34516	30897				
			BHP	5.79	5.86	5.86	5.72				
7½	855	12087	CFM	42116	39316	36435	33055	24155			
			BHP	6.44	6.53	6.53	6.41	5.68			
7½	880	12440	CFM	43496	40791	37999	34827	27458			
			BHP	7.02	7.11	7.11	7.02	6.50			
7½	910	12864	CFM	45140	42546	39857	36924	30042			
			BHP	7.75	7.85	7.87	7.81	7.35			
10	935	13218	CFM	46506	44000	41393	38649	32078			
			BHP	8.40	8.50	8.53	8.50	8.10			
10	965	13642	CFM	48141	45735	43220	40668	34480			
			BHP	9.22	9.33	9.38	9.38	9.05			
10	1000	14137	CFM	50043	47747	45333	42870	37084	29585		
			BHP	10.3	10.4	10.4	10.4	10.2	9.3		
15	1030	14561	CFM	51669	49462	47130	44739	39256	32974		
			BHP	11.2	11.3	11.4	11.4	11.2	10.5		
15	1045	14773	CFM	52481	50317	48024	45667	40330	34215		
			BHP	11.7	11.8	11.9	11.9	11.7	11.1		
15	1075	15197	CFM	54102	52020	49796	47512	42458	36665		
			BHP	12.7	12.8	13.0	13.0	12.8	12.3		
15	1100	15550	CFM	55451	53435	51261	49038	44212	38677	30676	
			BHP	13.6	13.8	13.9	13.9	13.8	13.3	12.0	
15	1140	16116	CFM	57605	55688	53591	51461	46983	41746	35901	
			BHP	15.1	15.3	15.4	15.5	15.4	15.0	14.2	

Performance shown is for Model TABI with inlet and outlet ducts.
BHP does not include drive losses.

Performance Data

TABI 60

Max RPM - 970
Max Motor Frame Size - 284T
Shaft Dia. - 2"
Fan Tube Gauge - 10
Approx. Weight (lbs.) - 1030



HP	RPM	TS		STATIC PRESSURE IN INCHES W.G.							
				0.125	0.250	0.375	0.500	0.750	1.000	1.250	1.500
3	450	7069	CFM	32505	27708						
			BHP	2.58	2.65						
3	480	7540	CFM	35182	30927	24781					
			BHP	3.11	3.21	3.12					
5	515	8090	CFM	38268	34584	29611					
			BHP	3.83	3.96	3.96					
5	540	8482	CFM	40453	37013	32693					
			BHP	4.40	4.53	4.58					
5	565	8875	CFM	42624	39391	35435	30250				
			BHP	5.03	5.16	5.24	5.16				
7½	590	9268	CFM	44782	41741	38102	33608				
			BHP	5.72	5.85	5.96	5.95				
7½	615	9660	CFM	46929	44042	40725	36708				
			BHP	6.46	6.60	6.74	6.76				
7½	640	10053	CFM	49067	46293	43277	39577				
			BHP	7.27	7.41	7.58	7.63				
10	660	10367	CFM	50771	48081	45201	41733				
			BHP	7.96	8.11	8.28	8.35				
10	680	10681	CFM	52470	49859	47108	43862	35226			
			BHP	8.70	8.85	9.02	9.13	8.89			
10	700	10996	CFM	54164	51629	49000	45967	38257			
			BHP	9.47	9.64	9.81	9.95	9.89			
10	720	11310	CFM	55855	53390	50879	48049	40835			
			BHP	10.29	10.47	10.64	10.82	10.81			
15	750	11781	CFM	58383	56017	53650	51032	44562			
			BHP	11.61	11.81	11.97	12.18	12.26			
15	770	12095	CFM	60064	57760	55454	52949	46964	38336		
			BHP	12.55	12.76	12.93	13.13	13.29	12.73		
15	790	12409	CFM	61742	59497	57249	54852	49139	41409		
			BHP	13.54	13.76	13.94	14.14	14.34	14.00		
15	810	12723	CFM	63417	61228	59036	56742	51290	44432		
			BHP	14.59	14.81	14.99	15.19	15.44	15.35		
20	840	13195	CFM	65925	63815	61701	59555	54478	48232		
			BHP	16.25	16.49	16.68	16.87	17.20	17.18		
20	865	13587	CFM	68011	65962	63909	61857	57100	51330	43498	
			BHP	17.72	17.99	18.18	18.37	18.76	18.81	18.12	
20	890	13980	CFM	70093	68102	66107	64112	59695	54326	47324	
			BHP	19.29	19.57	19.77	19.97	20.42	20.52	20.13	
25	920	14451	CFM	72588	70663	68733	66803	62640	57581	51519	
			BHP	21.28	21.59	21.79	22.00	22.47	22.64	22.53	
25	945	14844	CFM	74664	72789	70911	69032	65035	60260	54654	47253
			BHP	23.05	23.36	23.58	23.79	24.27	24.51	24.47	23.57
25	970	15237	CFM	76737	74911	73081	71251	67412	62911	57745	51089
			BHP	24.91	25.23	25.47	25.69	26.16	26.49	26.53	25.97

Performance shown is for Model TABI with inlet and outlet ducts.
BHP does not include drive losses.

TYPICAL SPECIFICATIONS — DIRECT DRIVE

Supply, exhaust or return air fans shall be of the direct drive tube axial type.

Propeller construction shall be cast aluminum airfoil. A standard square key or tapered bushing shall lock the propeller to the motor shaft. Propellers shall be statically and dynamically balanced.

The housing shall be constructed of continuously welded heavy gauge steel to assure no air leakage.

The motor support shall be constructed of structural steel members to prevent vibration and rigidly support the motor and propeller. All structural steel parts shall be coated with Perma-Tector™ for a long lasting finish.

Fan performance shall be based on tests conducted in accordance with AMCA Standard 210 test code for air moving devices, and fans shall be licensed to bear the AMCA Certified Ratings Seal for air performance.

Tube Axial fans shall be Model TADI as manufactured by IAP Inc. of Phillips, Wisconsin, and shall be supplied as shown on the plans and in the fan schedule.

TYPICAL SPECIFICATIONS — BELT DRIVE

Supply, exhaust or return air fans shall be of the belt driven tube axial type.

Propeller construction shall be cast aluminum airfoil. A standard square key or tapered bushing shall lock the propeller to the motor shaft. Propellers shall be statically and dynamically balanced.

The housing shall be constructed of continuously welded, heavy gauge steel to assure no air leakage.

The bearing support shall be constructed of structural steel members to prevent vibration and rigidly support the shaft and bearings. All structural steel parts shall be coated with Perma-Tector™ for a long lasting finish.

Turned, precision ground and polished steel shafts shall be sized so the first critical speed is at least 25% over the maximum operating speed. Close tolerances shall be maintained where the shaft makes contact with the bearing. Bearings shall be grease lubricated, heavy duty ball type in pillow block mounts. Bearings shall be selected for a minimum (L50) life in excess of 200,000 hours at maximum operating speed.

Fan performance shall be based on tests conducted in accordance with AMCA Standard 210 test code for air moving devices, and fan shall be licensed to bear the AMCA certified ratings seal for air performance.

Tube Axial fans shall be Model TABI as manufactured by IAP Inc. of Phillips, Wisconsin, and shall be supplied as shown on the plans and in the fan schedule.

WARRANTY

IAP Inc. warrants this equipment to be free from defects in material and workmanship for a period of one year from the purchase date.

Any units or parts which prove defective during the warranty period will be replaced at our option when returned to our factory, transportation prepaid.

Motors are warranted by the motor manufacturer for a period of one year. Should motors furnished by IAP Inc. prove defective during this period, they should be returned to the nearest authorized motor service station. IAP Inc. will not be responsible for any installation or removal costs.

IAP INC.
P.O. BOX 56
PHILLIPS, WI 54555
715/339-3024

Due to IAP Inc.'s policy of continuous product improvement, dimensions are subject to change. For complete dimensional information refer to the applicable IAP submittal drawing.

TAX-TD-10-0
June 1993