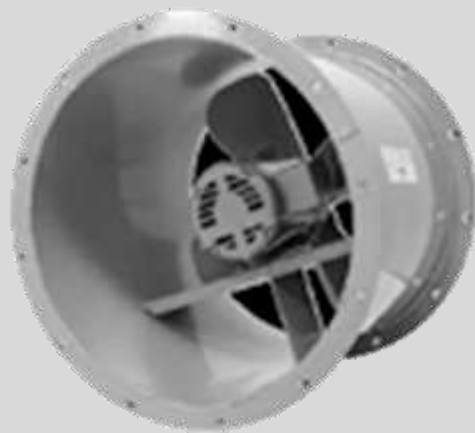


TA1000 Tube Axial Roof Exhauster



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TA1000 Tube Axial Roof Exhauster

TA1000 Table of Contents

TA1000 Table of Contents.....	1
TA1000 Tube Axial Roof Exhauster Product Details	2
TA1000 Tube Axial Roof Exhauster Submittal Data – Direct Drive	3
TA1000 Tube Axial Roof Exhauster Submittal Data – Belt Drive	4
TA1000 Tube Axial Roof Exhauster Mounting Arrangements & Access Doors	5
TA1130 - TA1136 Direct Drive Performance Data	7
TA1142 - TA1148 Direct Drive Performance Data	8
TA1312 - TA1316 Belt Driven Performance Data.....	9
TA1318 Belt Drive Performance Data	10
TA1321 Belt Drive Performance Data	11
TA1324 Belt Drive Performance Data	12
TA1330 Belt Drive Performance Data	13
TA1336 Belt Drive Performance Data	14
TA1342 Belt Drive Performance Data	15
TA1348 Belt Drive Performance Data	16
TA1348 Belt Drive Performance Data	17
TA1360 Belt Drive Performance Data	18
TA1372 Belt Drive Performance Data	19
TA1000 Guide Specifications	20

TA1000 Tube Axial Roof Exhauster

TA1000 Tube Axial Roof Exhauster Product Details

PRODUCT DESCRIPTION

The TA1000 Tube Axial fan is designed for applications where higher volumes of air are required at lower static pressures. The most efficient operating range is from 0" to 1" static pressure and can satisfactorily be used in applications with up to 1.5" static pressure.

STANDARD FEATURES

- Direct Drive: Sizes 12" - 72"
- Belt Drive: Sizes 12" - 96"
- CFM Range: 2,000 – 120,000 +
- Construction – Heavy Gauge Welded Galvanized Construction
- All Welded Support Structure
- Propeller – Cast aluminum construction, Statically and Dynamically Balanced
- Variable Pitch Drives Standard thru 3 HP
- Drives Sized for a Minimum of 150% of Drive Horsepower
- 1 Year Fan and Motor Warranty
- Heavy Duty 200,000 Hour Rated Pillow Block Bearings
- Adjustable Tensioning Rods for Belt

OPTIONAL FEATURES

- Lube Lines
- Companion Flanges
- Outlet/Inlet Guard
- Access Panel (Bolted)
- Belt Guard
- Motor Cover
- Strike Plate
- Shaft Seal
- Hanging Brackets
- Isolation
- Disconnect Switch
- Propeller - FRP Blades with Cast Aluminum Hub

PRODUCT BENEFITS

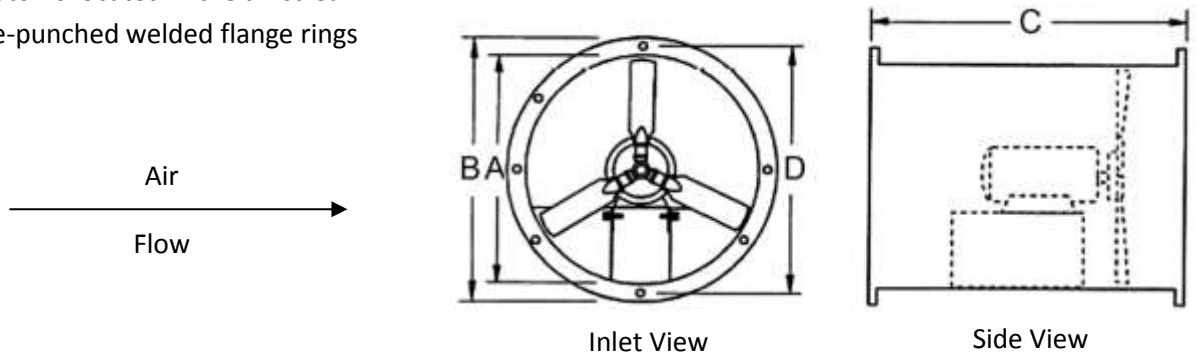
- Motors Rated for Continuous Duty

TA1000 Tube Axial Roof Exhauster

TA1000 Tube Axial Roof Exhauster Submittal Data – Direct Drive

Standard Features

- Housing- Heavy gauge rolled steel, continuously welded
- Propellers available in steel or aluminum
- Heavy steel hub with taper-loc busing
- Motor is located in the air stream
- Pre-punched welded flange rings



SIZE	HOUSINGS			FLANGE HOLE CENTER D	HOLES		MAX MOTOR FRAME	STEEL HOUSING GAUGES	AVG WT (lbs)
	I.D. A	O.D. B	LENGTH C		DIA.	#			
12	13 1/32	16 3/16	15	15	7/16	8	56	14	60
16	17 1/32	20 3/16	19	19	7/16	8	56	14	65
18	19 1/32	22 3/16	19	20 3/4	7/16	8	143T	14	75
21	22 1/32	25 3/16	19	23 3/4	7/16	8	145T	14	90
24	25 1/8	29 1/8	30	27 1/8	7/16	8	213T	12	130
30	31 1/8	35 1/8	30	33 1/8	7/16	8	215T	12	195
36	37 1/8	41 1/8	30	39 5/8	1/2	8	215T	12	250
42	43 1/8	47 1/8	32	45 1/8	1/2	16	256T	12	400
48	49 1/8	53 1/8	32	51 1/8	1/2	16	256T	10	510

All dimensions shown in inches.

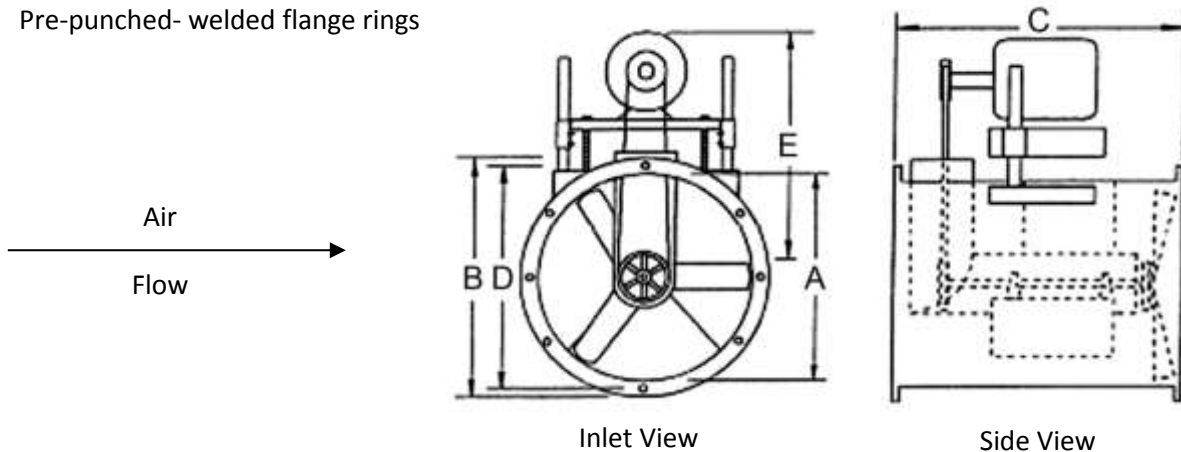
All specifications are subject to change without notice unless approved in submittal by Moffitt Corporation

TA1000 Tube Axial Roof Exhauster

TA1000 Tube Axial Roof Exhauster Submittal Data – Belt Drive

Standard Features

- Housing- Heavy gauge rolled steel, continuously welded
- Adjustable motor base
- Pillow block ball bearings with lube fittings
- L50-200,000 hours leverage bearing life
- Propellers available in steel or aluminum
- Motor, drives and bearing out of the airstream
- Adjustable sheaves- through 3 HP
- Pre-punched- welded flange rings



SIZE	HOUSINGS			FLANGE HOLE CENTER D	E (MAX)	HOLES		MAX MOTOR FRAME	STEEL HOUSING GAUGES	AVG WT (lbs)
	I.D. A	O.D. B	LENGTH C			DIA.	#			
12	13 1/32	16 3/16	15	15	16	7/16	8	145T	14	75
16	17 1/32	20 3/16	19	19	19	7/16	8	145T	14	85
18	19 1/32	22 3/16	19	20 3/4	21	7/16	8	145T	14	110
21	22 1/32	25 3/16	19	23 3/4	23	7/16	8	182T	14	125
24	25 1/8	29 1/8	30	27 1/8	33	7/16	8	215T	12	180
30	31 1/8	35 1/8	30	33 1/8	36	7/16	8	215T	12	250
36	37 1/8	41 1/8	30	39 5/8	39	1/2	8	215T	12	280
42	43 1/8	47 1/8	32	45 1/8	42	1/2	16	215T	12	390
48	49 1/8	53 1/8	32	51 1/8	45	1/2	16	254T	10	500
54	55 1/8	59 1/8	32	57 1/8	48	5/8	16	256T	10	800
60	61 1/8	65 1/8	32	63 1/8	51	5/8	16	254T	3/16	990

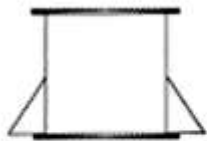
All dimensions shown in inches.

All specifications are subject to change without notice unless approved in submittal by Moffitt

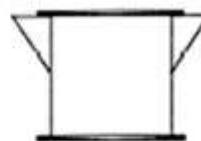
TA1000 Tube Axial Roof Exhauster

TA1000 Tube Axial Roof Exhauster Mounting Arrangements & Access Doors

1. Vertical Hanging Mount



Base



Ceiling Mount

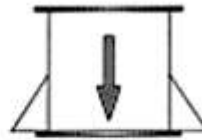
NOTE: Vertical hanging mount must be ordered with isolations options unless field provided.



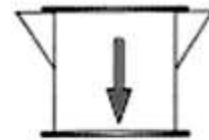
Exhaust Base Mount (EBM)



Exhaust Ceiling Mount ECM



Supply Base Mount (SBM)



Supply Ceiling Mount (SCM)

2. Horizontal Hanging Baskets

For horizontal ceiling mounting.

NOTE: Isolator (hanging) must be ordered with hanging brackets unless field supplied.



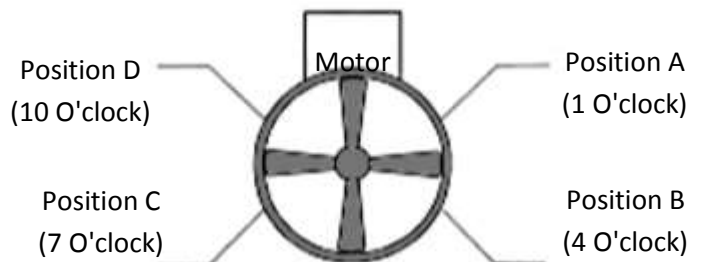
3. Pedestal Mount

for horizontal floor mounting.

NOTE: Isolator (base) must be ordered with pedestal base unless field supplied.



Access Door Positions Facing Blade (Exhaust End)



All specifications are subject to change without notice unless approved in submittal by Moffitt

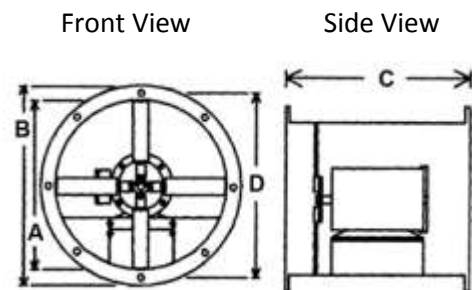
TA1000 Tube Axial Roof Exhauster

TA1112 - TA1124 Direct Drive Performance Data

	12	16	18	21	24
Max Motor Frame	56	56	143T	145T	213T
Housing Gauge	14	14	14	14	12
Approx. Weight (lbs)	60	65	75	90	130

Flange Holes: 8
 Diameter Flange Holes: 7/16"
 Finish: Galvanized

SIZE	ID A	OD B	WIDTH C	FLANGE HOLE CENTER D*
12	13 1/32	16 3/16	15	15
16	17 1/32	20 3/16	19	19
18	19 1/32	22 3/16	19	20 3/4
21	22 1/32	25 3/16	19	23 3/4
24	25 1/8	29 1/8	30	27 1/8



SIZE	CFM @ Static Pressure										HP	RPM
	0	1/8	1/4	3/8	1/2	5/8	3/4	7/8	1	1 1/4		
12	855	-	-	-	-	-	-	-	-	-	1/4	1140
	1330	1215	-	-	-	-	-	-	-	-	1/4	1725
	1545	1420	-	-	-	-	-	-	-	-	1/3	1725
16	2220	1965	-	-	-	-	-	-	-	-	1/3	1140
	3000	2805	2551	2207	-	-	-	-	-	-	1/2	1725
	3341	3200	3024	2801	2445	-	-	-	-	-	3/4	1725
18	3160	2715	-	-	-	-	-	-	-	-	1/3	1140
	3500	3191	2667	-	-	-	-	-	-	-	1/2	1140
	4709	4458	1167	3790	3305	-	-	-	-	-	1	1725
	5326	5147	4950	4703	4364	3875	-	-	-	-	1-1/2	1725
	1713	1249	733	-	-	-	-	-	-	-	1/4	1725
20	1835	1578	7281	990	726	-	-	-	-	-	1/3	1725
	2451	2208	1915	1584	1275	1002	752	-	-	-	1/2	1725
	4469	4160	3818	3423	2775	-	-	-	-	-	3/4	1725
	4877	4611	4361	3995	3487	2617	-	-	-	-	1	1725
24	2777	-	-	-	-	-	-	-	-	-	1/4	1725
	4711	3876	-	-	-	-	-	-	-	-	1/3	1140
	6562	5996	5312	3583	-	-	-	-	-	-	3/4	1140
	7812	7304	6775	6084	5013	3777	-	-	-	-	1-1/2	1140
	8967	-	-	-	-	-	-	-	-	-	2	1725
	9982	9659	9324	8951	8481	7980	6674	4395	3383	-	3	1725

Note: Performance shown for model TA 1000 Direct Driven Series is with inlet and outlet ducts.

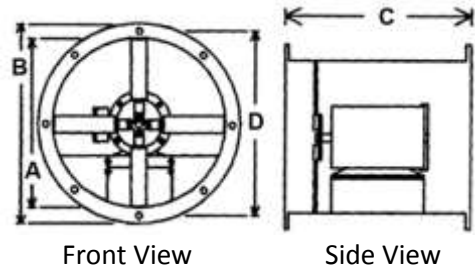
*Standard propeller for these models is steel construction, other models are aluminum.

TA1000 Tube Axial Roof Exhauster

TA1130 - TA1136 Direct Drive Performance Data

Max Motor Frame: 215T 36" – 532 lbs.
 Housing Gauge: 30", 32" - 12 Flange Holes: 8
Diameter Flange Holes: 7/16"
 Approx. Weight: 30" – 3205 lbs. Finish: Galvanized
34" – 457 lbs.

SIZE	ID A	OD B	WIDTH C	FLANGE HOLE CENTER D
30	31 1/8	35 1/8	30	33 1/8
36	37 1/8	41 1/8	30	39 1/8



SIZE	CFM @ Static Pressure										HP	RPM
	0	1/8	1/4	3/8	1/2	5/8	3/4	7/8	1	1 1/4		
30	6319	5167	3296	-	-	-	-	-	-	-	1/2	870
	8990	7855	6280	3212	-	-	-	-	-	-	3/4	870
	9468	8661	7819	6771	5360	3234	-	-	-	-	1	870
	8385	7534	6540	5448	4011	2159	-	-	-	-	3/4	1140
	10585	9743	8827	7746	6359	-	-	-	-	-	1	1140
	11098	10452	9735	8984	8143	6777	5128	3758	2619	-	1-1/2	1140
	13541	12564	11525	10230	8375	6456	-	-	-	-	2	1140
	15937	15385	14804	14223	13662	13060	12382	11695	10903	8911	3	1725
	11681	10459	9210	7689	4988	-	-	-	-	-	1	870
	15841	14574	12937	10715	6852	-	-	-	-	-	2	870
34	16850	15391	13589	11557	9249	7712	6359	4513	-	-	3	870
	10873	9714	8535	7155	5418	-	-	-	-	-	1	1140
	14766	13747	12470	10984	9415	7236	-	-	-	-	1-1/2	1140
	15466	14775	14072	13295	12520	11585	10508	9005	7305	-	2	1140
	15781	15184	14448	13650	13650	11863	10883	9536	7838	-	3	1140
	14231	13414	12646	11985	11985	10502	9634	8675	7677	5126	3	1725
	20532	19726	19003	18243	18243	16590	15783	14907	13951	-	5	1725
	25386	24606	23903	23253	23253	21572	20616	19657	18769	-	7-1/2	1725
	27099	26381	25610	24747	24747	22917	21987	-	-	-	10	1725
	8768	6696	4555	-	-	-	-	-	-	-	1/2	870
9599	8489	7315	5885	4180	-	-	-	-	-	3/4	870	
12145	11036	9590	7834	4689	-	-	-	-	-	1	870	
16923	15640	14138	12527	-	-	-	-	-	-	2	870	
19939	1870	17270	15332	-	-	-	-	-	-	3	870	
36	9845	8814	7898	6881	5692	4415	3162	-	-	-	1	1140
	13912	13020	12080	11053	9977	8644	7052	-	-	-	1-1/2	1140
	16118	15216	14206	13311	12265	11058	-	-	-	-	2	1140
	19585	18583	17641	16720	15723	14450	12497	-	-	-	3	1140
	23209	22247	21168	20193	19062	17740	16319	-	-	-	5	1140
	22503	21681	20924	20030	19290	18590	17608	16516	15362	-	5	1725
	27426	26625	25742	24940	24009	23336	22403	21632	20529	17741	7-1/2	1725
	27645	27396	26953	26496	26020	25526	25108	24665	24191	23029	10	1725

Note: Performance shown for model TA 1000 Direct Driven Series is with inlet and outlet ducts.

*Standard propeller for these models is aluminum construction.

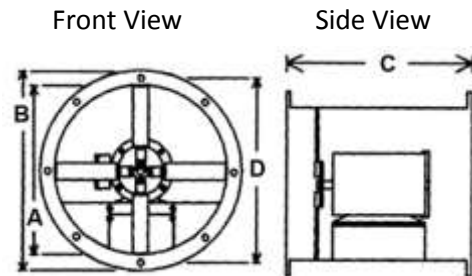
TA1000 Tube Axial Roof Exhauster

TA1142 - TA1148 Direct Drive Performance Data

Max Motor Frame: 256T
 Housing Gauge: 42"-12
 48"-10
 Approx. Weight: 42" – 738 lbs.
 48" – 834 lbs.

Flange Holes: 16
 Diameter Flange Holes: 1/2"
 Finish: Galvanized

SIZE	ID A	OD B	WIDTH C	FLANGE HOLE CENTER D
42	43 1/8	47 1/8	32	45 1/8
48	49 1/8	53 1/8	32	51 1/8



SIZE	CFM @ Static Pressure										HP	RPM
	0	1/8	1/4	3/8	1/2	5/8	3/4	7/8	1	1 1/4		
42	14852	13115	11297	-	-	-	-	-	-	-	1	870
	16770	14891	12732	9764	-	-	-	-	-	-	1-1/2	870
	19453	17432	15438	1323	-	-	-	-	-	-	2	870
	23340	21467	19524	14841	-	-	-	-	-	-	3	870
	28037	25801	23523	20105	15400	-	-	-	-	-	5	870
	15712	14284	12308	10623	8050	5282	-	-	-	-	1-1/2	1140
	18673	17304	15722	13733	11550	8942	5461	-	-	-	2	1140
	22901	21599	20463	18932	17728	16082	-	-	-	-	3	1140
	26764	25256	23923	22351	20815	18986	15351	-	-	-	5	1140
	33612	33257	30801	29238	27936	26242	-	-	-	-	7-1/2	1140
48	33813	32945	32039	31300	30495	29740	28839	27980	27160	24777	10	1140
	21749	19771	17626	15403	12476	9330	-	-	-	-	2	870
	26784	24879	22874	20641	17950	14239	-	-	-	-	3	870
	29978	28722	27401	26053	24747	23134	21353	19038	-	-	5	870
	33555	32536	31630	30588	29507	28681	27606	26875	25782	-	7-1/2	1140
	40194	39319	38344	37469	36576	35415	34256	33130	32324	-	10	1140

Note: Performance shown for model TA 1000 Direct Driven Series is with inlet and outlet ducts.

*Standard propeller for these models is aluminum construction.

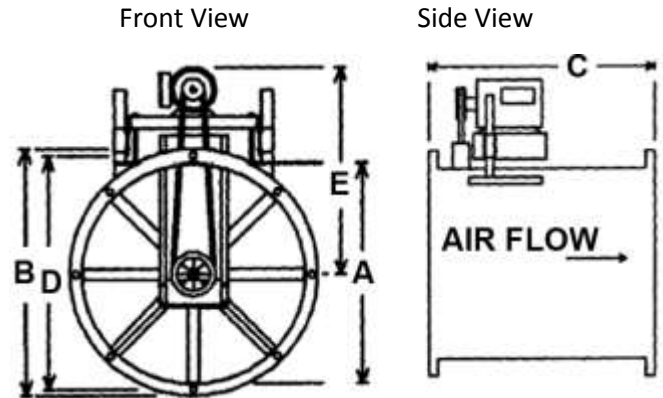
TA1000 Tube Axial Roof Exhauster

TA1312 - TA1316 Belt Driven Performance Data

Max Motor Frame: 145T
 Max Shaft Diameter: 3/4"
 Housing Gauge: 14
 Approx. Weight: 12" - 75 lbs.
 16" - 85 lbs.

Flange Holes: 8
 Diameter Flange Holes: 7/16"
 Finish: Galvanized

SIZE	ID A	OD B	WIDTH C	FLANGE HOLE CENTER D		E
12	13 1/32	16 3/16	15	15		16
16	17 1/32	20 3/16	19	19		19



SIZE	CFM @ Static Pressure									HP	RPM
	0	1/8	1/4	3/8	1/2	5/8	3/4	1	1 1/4		
12	1596	1537	1464	1405	1313					1/4	2090
	1841	1773	1689	1621	1515					1/4	2410
	1810	1759	1685	1610	1535	1410				1/3	2290
	1981	1924	1844	1762	1679	1542				1/3	2505
	2033	1972	1907	1817	1750	1654	1527			1/2	2412
	2259	2192	2118	2019	1945	1838	1697			1/2	2680
	2327	2273	2223	2145	2077	2023	1942			3/4	2763
	2586	2526	2470	2383	2308	2248	2158			3/4	3070
	2729	2678	2629	2574	2484	2430	2377	2214		1	3230
	2873	2819	2767	2709	2615	2558	2503	2331	2096	1	3400
16	2289	2153	1979	1691	1438					1/4	1490
	2409	2266	2084	1780	1514					1/4	1570
	2677	2518	2316	1978	1682					1/4	1750
	2842	2695	2500	2289	1732					1/3	1750
	2700	2560	2375	2174	1645					1/3	1662
	2771	2582	2385	2138	1784	1471				1/3	1750
	3187	3078	2970	2845	2670	2420				1/2	2084
	3364	3249	3135	3003	2818	2554				1/2	2199
	3541	3420	3300	3162	2967	2689				1/2	2315
	3649	3553	3459	3364	3246	3093	2895			3/4	2385
3851	3751	3651	3551	3427	3265	3056			3/4	2517	
4054	3948	3843	3738	3607	3437	3217			3/4	2650	
4110	4020	3933	3845	3757	3634	3492	3105		1	2681	
4281	4188	4097	4005	3914	3785	3637	3234		1	2798	
4459	4363	4267	4172	4077	3943	3789	3369		1	2915	

Note: Performance shown for model TA 1000 Direct Driven Series is with inlet and outlet ducts.

*Standard propeller for these models is steel construction.

TA1000 Tube Axial Roof Exhauster

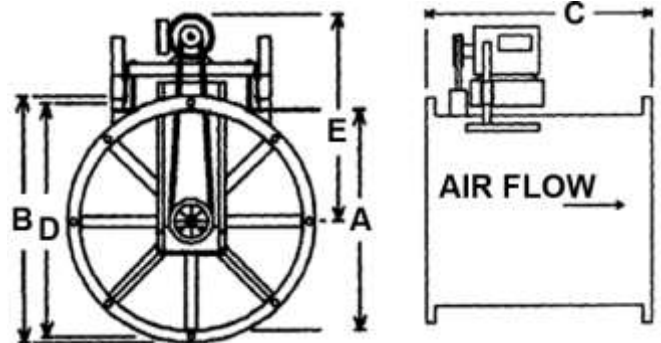
TA1318 Belt Drive Performance Data

Max Motor Frame: 145T
 Max Shaft Diameter: 1"
 Housing Gauge: 14
 Approx. Weight: 110 lbs.

Flange Holes: 8
 Diameter Flange Holes: 7/16"
 Finish: Galvanized

Front View

Side View



SIZE	ID A	OD B	WIDTH C	FLANGE HOLE CENTER D	E
18	19 1/32	22 3/16	19	20 3/4	21

SIZE	CFM @ Static Pressure								HP	RPM	
	0	1/8	1/4	3/8	1/2	5/8	3/4	1			1 1/4
18	3007	2782	2455	1944	1490					1/4	1335
	3090	2840	2506	1984	1521					1/4	1362
	3133	2898	2557	2025						1/4	1390
	3244	3033	2796	2398	1952					1/3	1469
	3312	3096	2855	2448	1992					1/3	1499
	3380	3160	2913	2498	2033					1/3	1530
	3580	3391	3254	2989	2636	2261				1/2	1614
	3691	3496	3354	3081	2717	2331				1/2	1647
	3805	3605	3458	3176	2801	2403				1/2	1680
	3922	3716	3565	3275	2888	2477				1/2	1715
	4044	3831	3675	3376	2977	2554				1/2	1750
	4147	3968	3854	3679	3431	3123	2760			3/4	1835
	4243	4049	3933	3754	3501	3187	2816			3/4	1872
	4329	4132	4013	3831	3573	3252	2874			3/4	1911
	4417	4216	4094	3909	3646	3318	2932			3/4	1950
	4508	4302	4178	3989	3720	3386	2992			3/4	1990
	4599	4408	4303	4200	3995	3763				1	2038
	4689	4498	4392	4286	4077	3840				1	2080
	4784	4589	4481	4374	4160	3918				1	2122
	4881	4683	4573	4463	4245	3998	3708			1	2165
4981	4779	4666	4554	4332	4080	3784	3416	3019	1	2210	
5654	5516	5395	5119	4912	4695	4478	3388	2603	1 1/2	2181	
5715	5582	5549	5171	4962	4743	4523	3422	2630	1 1/2	2203	
5772	5638	5504	5222	5012	4791	4569	3456	2656	1 1/2	2225	
5830	5695	5560	5276	5063	4839	4615	3492	2683	1 1/2	2247	
5890	5753	5616	5329	5114	4888	4662	3527	2710	1 1/2	2270	

Note: Performance shown for model TA 1000 Direct Driven Series is with inlet and outlet ducts.

*Standard propeller for these models is steel construction.

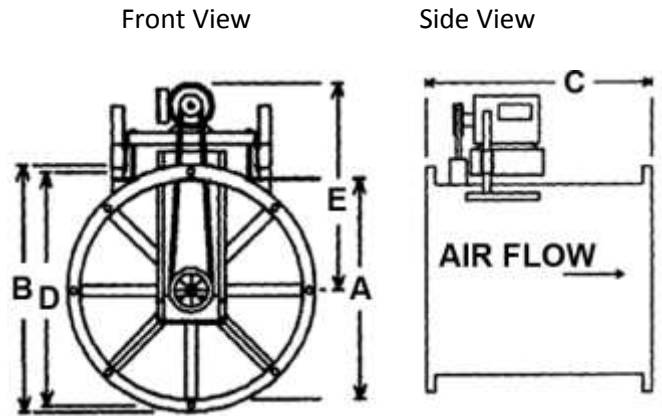
TA1000 Tube Axial Roof Exhauster

TA1321 Belt Drive Performance Data

Max Motor Frame: 182T
 Max Shaft Diameter: 1"
 Housing Gauge: 14
 Approx. Weight: 125 lbs.

Flange Holes: 8
 Diameter Flange Holes: 7/16"
 Finish: Galvanized

SIZE	ID A	OD B	WIDTH C	FLANGE HOLE CENTER D	E
21	22 1/32	25 3/16	19	23 3/4	23



SIZE	CFM @ Static Pressure								HP	RPM	
	0	1/8	1/4	3/8	1/2	5/8	3/4	1			1 1/4
21	3640	3339	2897	2043						1/4	885
	3753	3443	2986	2106						1/4	913
	3869	3549	3079	2171						1/4	941
	3988	3659	3173	2239	1606					1/3	970
	4112	3772	3272	2308	1656					1/3	1000
	4220	4020	3778	3423	2955					1/2	1026
	4442	4232	3977	3603	3111					1/2	1080
	4676	4455	4186	3792	3275					1/2	1137
	4922	4689	4406	3992	3447					1/2	1197
	5181	4936	4638	4202	3628					1/2	1260
	5260	5071	4848	4617	4248					3/4	1279
	5422	5228	4998	4760	4380					3/4	1319
	5590	5390	5152	4907	4514					3/4	1360
	5763	5556	5312	5059	4654					3/4	1401
	5941	5728	5476	5215	4798	3833	3128			3/4	1445
	6152	5971	5773	5545	5266	4915	3535			1	1496
	6278	6093	5891	5658	5373	5016				1	1527
	6406	6217	6011	5774	5483	5118				1	1558
	6537	6344	6134	5892	5595	5222				1	1590
	6902	6746	6590	6398	6208	5982				1 1/2	1679
	7043	6884	6724	6528	6335	6104				1 1/2	1713
7187	7024	6862	6661	6464	6229	5766			1 1/2	1747	
7333	7168	7001	6797	6596	6356	6029			1 1/2	1784	
7483	7314	7144	6936	6731	6486	6152	5424	4887	1 1/2	1820	
7857	7680	7501	7283	7068	6810	6460	6128	5690	2	1911	
8231	8045	7859	7630	7404	7134	6767	6420	5961	2	2002	

Note: Performance shown for model TA 1000 Direct Driven Series is with inlet and outlet ducts.

*Standard propeller for these models is steel construction.

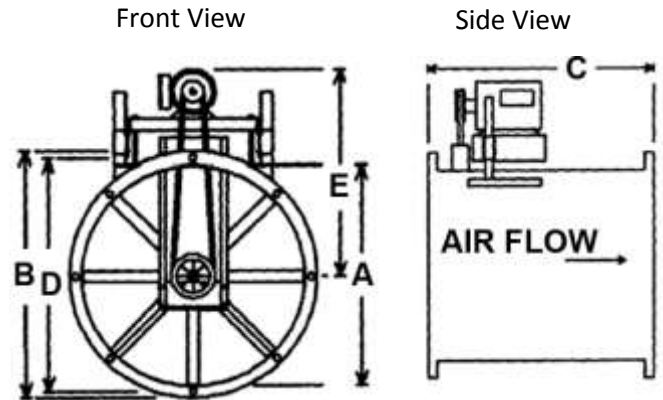
TA1000 Tube Axial Roof Exhauster

TA1324 Belt Drive Performance Data

Max Motor Frame: 215T
 Max Shaft Diameter: 1 3/16"
 Housing Gauge: 12
 Approx. Weight: 180 lbs.

Flange Holes: 8
 Diameter Flange Holes: 7/16"
 Finish: Galvanized

SIZE	ID A	OD B	WIDTH C	FLANGE HOLE CENTER D	E
24	25 1/8	29 1/8	30	27 1/8	33



SIZE	CFM @ Static Pressure									HP	RPM
	0	1/8	1/4	3/8	1/2	5/8	3/4	1	1 1/4		
24	4863	4437	4095	3704						1/3	800
	5320	4853	4479	4052						1/3	875
	5624	5130	4735	4284						1/2	925
	5776	5269	4863	4400						1/2	950
	5928	5408	4991	4516						1/2	975
	6081	5547	5119	4632						1/2	1000
	6234	5686	5247	4748						3/4	1025
	6387	5825	5375	4864						3/4	1050
	6570	5991	5529	5003	3805					3/4	1080
	6692	6102	5632	5096	3875					3/4	1100
	6899	6291	5807	5254	3995					3/4	1135
	7143	6676	6104	5454	4219					1	1175
	7448	7232	6816	6044	5847	5411	5171			1	1225
	7752	7527	7198	6411	6098	5645	5382			1	1275
	8086	7852	7508	6905	6675	6102	5614			1 1/2	1330
	8329	8088	7734	7319	6876	6389	5783			1 1/2	1370
	8573	8324	7960	7533	7077	6576	5952			1 1/2	1410
	8824	8568	8193	7753	7284	6768	6126			1 1/2	1460
	9127	8861	8474	8019	7533	6999	6336			2	1510
	2462	9238	8977	8625	8253	7863	7437	5323		2	1560
9765	9535	9265	8701	8417	8115	7675	6126		2	1610	
9864	9632	9359	8991	8603	8197	7753	6592		3	1620	
10168	9929	9648	9268	8869	8450	7993	6795		3	1670	
10473	10227	9937	9545	9135	8703	8233	7005		3	1720	
10778	10525	10226	9823	9401	8957	8473	7209	4050	3	1770	
11083	10823	10515	10101	9667	9211	8713	7431	4165	3	1820	

Note: Performance shown for model TA 1000 Direct Driven Series is with inlet and outlet ducts.

*Standard propeller for these models is steel construction.

TA1000 Tube Axial Roof Exhauster

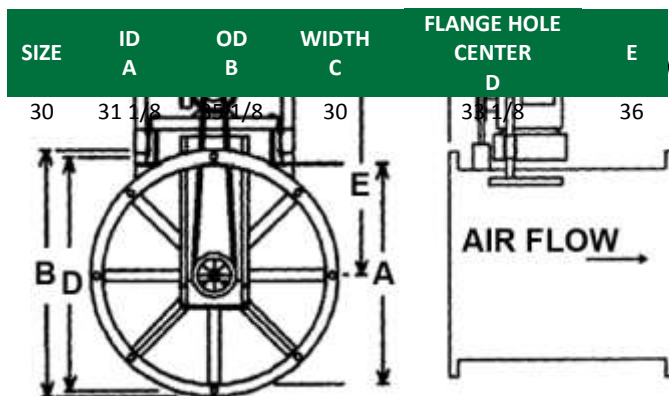
TA1330 Belt Drive Performance Data

Max Motor Frame: 215T
 Max Shaft Diameter: 1 3/16"
 Housing Gauge: 12
 Approx. Weight: 250 lbs.

Flange Holes: 8
 Diameter Flange Holes: 7/16"
 Finish: Galvanized

Front View

Side View



SIZE	CFM @ Static Pressure									HP	RPM
	0	1/8	1/4	3/8	1/2	5/8	3/4	1	1 1/4		
30	7599	7145	6735	6105						1/2	775
	8345	7846	7396	6704						1/2	850
	8934	8400	7918	7177	6367					3/4	910
	9475	8908	8397	7611	6752					3/4	965
	9721	9139	8615	7809	69*27					1	990
	9967	9370	8833	8007	7102					1	1015
	10213	9601	9051	8205	7277					1	1040
	10459	9832	9269	8402	7452					1	1065
	10833	10183	9600	8702	7718	5741	4749			1 1/2	1103
	11203	10531	9928	8999	7982	5937	4912			1 1/2	1142
	11662	11063	10539	9807	8970	7885	5822			1 1/2	1181
	12047	11428	10887	10131	9266	8146	7014			1 1/2	1220
	12383	11746	11191	10413	9524	8373	7182			2	1254
	12698	12045	11476	10678	9767	8586	7365			2	1286
	13013	12345	11761	10943	10010	8799	7948			2	1318
	13288	12644	12046	11209	10253	9013	8731			2	1350
	13814	13047	12430	11566	10580	9300	9071			3	1393
	14251	13675	13191	12676	11948	11181	10342	6979	6291	3	1433
	14648	14057	13569	13030	12282	11493	10630	7174	6439	3	1473
	15045	14438	13927	13383	12616	11805	10919	7369	6587	3	1513
15607	14977	14447	13883	13087	12245	11327	7644	6796	3	1553	
16190	15536	14986	14401	13575	12702	11750	7929	7012	5	1611	
16762	16085	15516	14910	14055	13151	12166	9210	7225	5	1668	
16860	16216	15781	15395	14988	14464	13820	12543	10613	5	1725	
17417	16752	16302	15901	15483	14942	14277	12957	10964	5	1782	
17974	17288	16823	16409	15978	15420	14734	13371	11315	5	1839	

Note: Performance shown for model TA 1000 Direct Driven Series is with inlet and outlet ducts.

*Standard propeller for these models is steel construction.

TA1000 Tube Axial Roof Exhauster

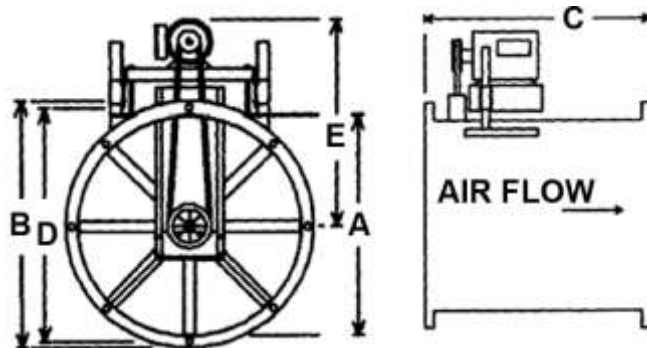
TA1336 Belt Drive Performance Data

Max Motor Frame: 215T
 Max Shaft Diameter: 1 7/16"
 Housing Gauge: 12
 Approx. Weight: 280 lbs.

Flange Holes: 8
 Diameter Flange Holes: 1/2"
 Finish: Galvanized

Front View

Side View



SIZE	ID A	OD B	WIDTH C	FLANGE HOLE CENTER D	E
36	37 1/8	41 1/8	30	39 5/8	39

SIZE	CFM @ Static Pressure									HP	RPM
	0	1/8	1/4	3/8	1/2	5/8	3/4	1	1 1/4		
36	11171	10612	9338	7470						3/4	750
	11916	11320	9962	7969	6175					3/4	800
	12289	11674	10273	8218	6574					3/4	825
	12490	11990	11031	10224	8179					1	850
	12754	12244	11264	10475	8379					1	875
	13118	12593	11586	10774	8619	6895				1	900
	13249	12851	12208	11475	10328	8778				1 1/2	935
	13745	13333	12665	11905	10715	9107	7286			1 1/2	970
	14170	13745	13057	12272	11045	9388	7510			1 1/2	1000
	14733	14291	13576	12761	11485	9762	7809			1 1/2	1040
	15919	15441	14668	13935	12820	10256	8205			2	1070
	16353	15862	15068	14315	13170	10536	8429			2	1100
	16800	16296	15481	14706	13530	11365	9092			2	1130
	17245	16727	16058	15255	13882	11660	9328			3	1160
	17840	17305	16613	15782	14362	12064	9651			3	1200
	18435	17881	17165	16307	14839	12464	9971			3	1240
	19030	18459	17721	16835	15319	12867	10293			3	1280
	20345	19734	18747	17997	16737	15398	13858	11474		5	1400
	20919	20291	19276	18505	17209	15832	14249	11798		5	1420
	21509	20863	19819	19026	17694	16278	14650	12130	10310	5	1460
22114	21450	20378	19562	18192	16736	15062	12871	10800	5	1501	
22746	22063	20959	20121	18712	17215	15493	13828	11903	5	1530	
24953	24204	23235	22305	21412	19699	17926	16177	15206	7 1/2	1573	
26080	25298	24286	23314	22381	20590	18736	16909	15894	7 1/2	1644	
26493	25698	24670	23683	22735	20916	19033	17177	16146	7 1/2	1670	
27128	26314	25261	24250	23280	21418	19490	17553	16481	7 1/2	1710	

Note: Performance shown for model TA 1000 Direct Driven Series is with inlet and outlet ducts.

*Standard propeller for these models is steel construction.

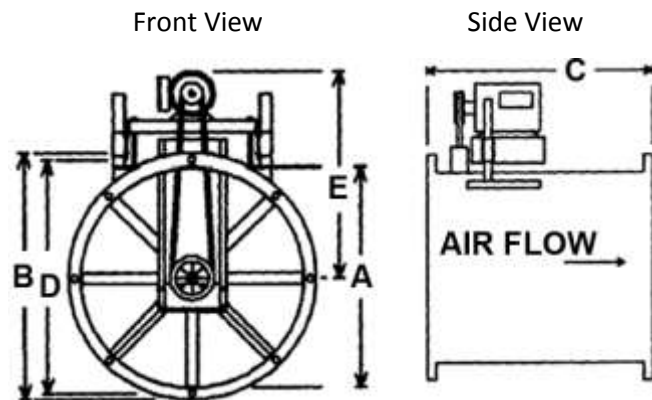
TA1000 Tube Axial Roof Exhauster

TA1342 Belt Drive Performance Data

Max Motor Frame: 215T
 Max Shaft Diameter: 1 7/16"
 Housing Gauge: 12
 Approx. Weight: 390 lbs.

Flange Holes: 16
 Diameter Flange Holes: 1/2"
 Finish: Galvanized

SIZE	ID A	OD B	WIDTH C	FLANGE HOLE CENTER D	E
42	43 1/8	47 1/8	32	45 1/8	42



SIZE	CFM @ Static Pressure									HP	RPM
	0	1/8	1/4	3/8	1/2	5/8	3/4	1	1 1/4		
	17670	14725	10735	8051						1	570
	18149	15035	10961	8221						1	590
	18786	15655	11413	8559						1	610
	18995	17285	14692	8695						1 1/2	620
	19985	18186	15136	9931						1 1/2	655
	21037	18556	15579	13709	11242					1 1/2	687
	22048	19448	16328	14368	11782					1 1/2	720
	22743	20351	17543	15460	12933					2	735
	23435	21043	18235	16152	13625					2	750
	24128	21736	18928	16845	14318					2	770
	24597	22518	19820	17581	14904					3	795
	25319	23260	20721	18319	15491					3	820
	26042	24002	21622	19057	16078					3	845
42	26765	24745	22523	19796	16665	14348	13332			3	870
	28075	26140	24032	21528	18595	16268	14956			5	920
	29324	27525	25541	23260	20546	18190	16580	12755		5	965
	30574	28909	27050	24992	22497	20110	18204	15006		5	1010
	31824	30294	28560	26724	24480	22032	19829	17053		5	1055
	33138	31604	29921	28154	26007	23708	21515	18705	16279	7 1/2	1092
	34452	32914	31278	29584	27536	25384	23201	20353	17553	7 1/2	1128
	35766	34224	32633	31015	29063	27060	24887	22001	18827	7 1/2	1164
	37080	35535	33990	32445	30591	28737	26574	23650	20102	7 1/2	1200
	38007	36487	35020	33526	31749	29947	27861	24690	20986	10	1237
	38934	37440	36050	34608	32908	31157	29149	25730	21870	10	1273
	39861	38393	37080	35689	34067	32367	30436	26770	22754	10	1309
	40788	39346	38110	36771	35226	33578	31724	27810	23638	10	1345

Note: Performance shown for model TA 1000 Direct Driven Series is with inlet and outlet ducts.
 *Standard propeller for these models is steel construction.

TA1000 Tube Axial Roof Exhauster

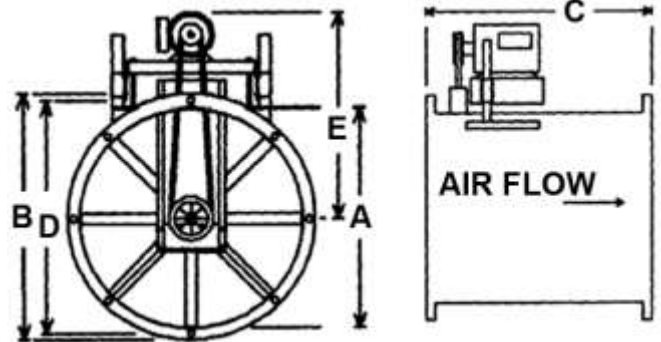
TA1348 Belt Drive Performance Data

Max Motor Frame: 254T
 Max Shaft Diameter: 1 7/16"
 Housing Gauge: 10
 Approx. Weight: 500 lbs.

Flange Holes: 16
 Diameter Flange Holes: 1/2"
 Finish: Galvanized

Front View

Side View



SIZE	ID A	OD B	WIDTH C	FLANGE HOLE D	CENTER E
48	49 1/8	53 1/8	32	51 1/8	45

SIZE	CFM @ Static Pressure									HP	RPM
	0	1/8	1/4	3/8	1/2	5/8	3/4	1	1 1/4		
48	19159	16924	13761							1 1/2	415
	21221	17448	14409							1 1/2	440
	21779	17987	15089							1 1/2	465
	22338	19544	15800	13114						1 1/2	495
	25968	23705	18443	15306						2	525
	26772	24438	19211	15944						2	550
	27600	25194	20012	16609	13187					2	580
	28505	26023	21207	18129	14300					3	605
	29377	26819	21984	19197	14896					3	630
	30248	27614	22761	19997	15517					3	655
	31120	28410	23538	20831	16164					3	680
	32578	29819	24843	22461	17975	17041	13835			5	720
	33598	31024	27061	24008	19553	18690	14717			5	760
	34460	32087	28336	25555	21132	19990	15657			5	800
	35343	33009	29672	27103	22711	21042	16656			5	840
	36250	34103	31070	28650	24290	22150	17720			5	880
	37530	35619	32679	30011	25857	24140	19904	16704		7 1/2	900
	38492	36721	34054	31373	27433	25410	21174	17770		7 1/2	925
	39479	37857	35428	32734	29009	26748	22526	18904		7 1/2	945
	40491	39027	36802	34096	30585	28156	23964	20113	15466	7 1/2	968
41530	40235	38177	35458	32161	29638	25494	21395	17185	7 1/2	990	
42751	41158	39349	36363	33359	30962	16968	23164	18158	10	1010	
43624	41956	40204	37418	34672	32180	28489	24383	19237	10	1030	
44514	42755	41060	38473	35985	33399	30009	25667	20316	10	1050	
45423	43554	41915	39528	37298	34617	31529	27018	21395	10	1070	
46350	44352	42771	40584	38611	35836	33050	28440	22474	10	1090	

Note: Performance shown for model TA 1000 Direct Driven Series is with inlet and outlet ducts.

*Standard propeller for these models is steel construction.

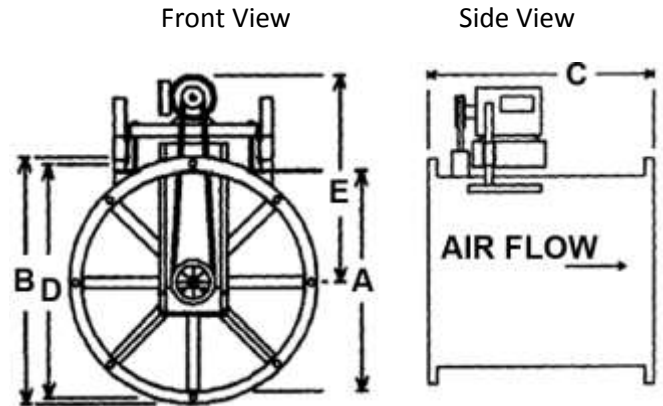
TA1000 Tube Axial Roof Exhauster

TA1348 Belt Drive Performance Data

Max Motor Frame: 256T
 Max Shaft Diameter: 2 3/16"
 Housing Gauge: 10
 Approx. Weight: 800 lbs.

Flange Holes: 16
 Diameter Flange Holes: 5/8"
 Finish: Galvanized

SIZE	ID A	OD B	WIDTH C	FLANGE HOLE CENTER D	E
54	55 1/8	59 1/8	32	57 1/8	48



SIZE	CFM @ Static Pressure									HP	RPM
	0	1/8	1/4	3/8	1/2	5/8	3/4	1	1 1/4		
54	27094	22496	17996							1 1/2	465
	28520	23680	18944							1 1/2	485
	29415	24916	19932							2	505
	30307	26117	20893							2	520
	31200	27320	21411							2	540
	32210	28525	22652	16762						3	560
	33157	29726	23891	19351						3	580
	34104	30928	25130	21612						3	600
	35050	32130	26370	19255						3	620
	36288	33660	28611	24319	20671					5	640
	37516	35190	30967	26321	22373					5	665
	38744	36720	32313	27566	23431					5	685
	39972	38250	34807	29585	23668					5	705
	41200	39780	35451	30130	25120					5	730
	41713	41085	36971	31947	26989	22131				7 1/2	750
	43050	42583	38491	33767	28856	23661				7 1/2	770
	44386	43982	40010	35587	30724	25193				7 1/2	790
	45723	45381	41530	37408	32592	26725				7 1/2	810
	47060	46780	43050	39228	34460	28720	21703			7 1/2	830
	48282	47884	44271	40566	35998	30272	22608			10	850
49494	48970	45484	41897	37526	31809	23550			10	870	
50705	50057	46698	43228	39055	33346	27300			10	890	
51916	51143	47916	44559	40584	34883	58737			10	910	
53128	52230	49125	45890	42116	36420	30250			10	930	
55850	54580	52920	51150	49180	47010	44820	39430		15	990	
59870	58710	57160	55600	53820	51875	49930	45370	39900	15	1061	

Note: Performance shown for model TA 1000 Direct Driven Series is with inlet and outlet ducts.

*Standard propeller for these models is steel construction.

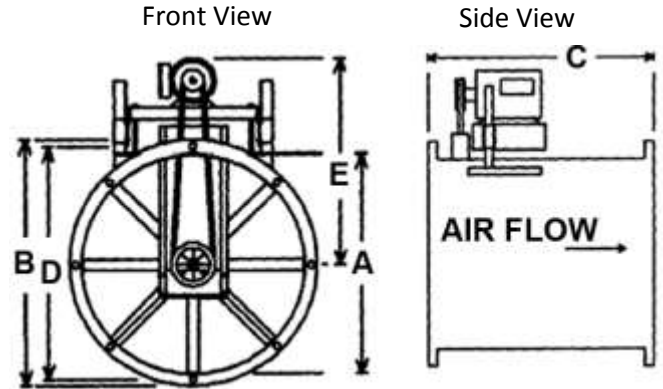
TA1000 Tube Axial Roof Exhauster

TA1360 Belt Drive Performance Data

Max Motor Frame: 254T
 Max Shaft Diameter: 2 3/16"
 Housing Gauge: 3/16
 Approx. Weight: 990 lbs.

Flange Holes: 16
 Diameter Flange Holes: 5/8"
 Finish: Epoxy

SIZE	ID A	OD B	WIDTH C	FLANGE HOLE CENTER D	E
60	61 1/8	65 1/8	32	63 1/8	51



SIZE	CFM @ Static Pressure									HP	RPM
	0	1/8	1/4	3/8	1/2	5/8	3/4	1	1 1/4		
60	32080	25673	22004							2	400
	33072	26467	22685							2	420
	34095	27286	23386							2	440
	35150	28130	24110	17125						2	460
	35843	29392	25473	18949						3	480
	36536	30654	26837	20773						3	500
	37229	31916	28200	22597						3	520
	37922	33178	29564	24421						3	540
	38615	34440	30928	26245						3	560
	40316	36376	32905	27908						5	600
	42017	38312	34882	29571						5	610
	43718	40248	36859	31234						5	620
	45419	42184	38836	32897						5	640
	47120	44120	40813	34560	29954					5	660
	47695	45446	42076	36447	31997					7 1/2	680
	49308	46772	43337	38335	34029					7 1/2	700
	50922	48098	44598	40222	36061					7 1/2	720
	52536	49424	45859	42110	28093	29574				7 1/2	740
	54150	50750	47120	43998	40125	32860	28700			7 1/2	760
	54888	51245	47639	44904	40722	34471	30016			10	780
55628	51965	48469	45818	41319	36077	31332			10	800	
56369	52685	49299	46717	41916	37685	32648			10	820	
57109	53405	50129	47623	42513	39292	33964			10	840	
57850	54125	50960	48530	43111	40900	35280	24210		10	860	
58995	56992	55169	53327	51102	46414	39734	27392		15	700	
60764	58755	56876	54977	52683	47850	40963	28240	22530	15	720	

Note: Performance shown for model TA 1000 Direct Driven Series is with inlet and outlet ducts.
 *Standard propeller for these models is steel construction.

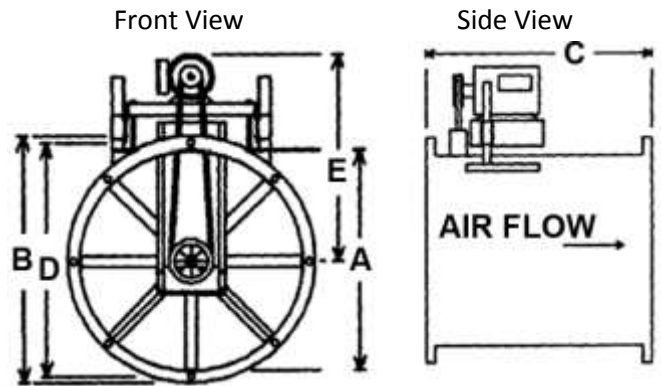
TA1000 Tube Axial Roof Exhauster

TA1372 Belt Drive Performance Data

Max Motor Frame: 256T
 Max Shaft Diameter: 2 3/16"
 Housing Gauge: 3/16
 Approx. Weight: 1250 lbs.

Flange Holes: 24
 Diameter Flange Holes: 7/16"
 Finish: Epoxy

SIZE	ID A	OD B	WIDTH C	FLANGE HOLE CENTER D	E
72	72 1/32	76 3/16	32	74 3/8	57



SIZE	CFM @ Static Pressure									HP	RPM
	0	1/8	1/4	3/8	1/2	5/8	3/4	1	1 1/4		
72	41078	32080	25664							2	325
	44650	34870	27896							2	350
	47475	38950	31590							3	375
	50300	43030	35284							3	400
	54730	46520	37216	31261						5	430
	58850	49864	39900	32920						5	465
	62402	57409	53390	49118	44206					7 1/2	500
	65639	60387	56160	51667	46500					7 1/2	530
	68877	63380	59388	55135	50400	29185				10	488
	70070	66097	62211	58140	52490	45353	38216			10	546
	73579	69787	66903	63261	60165	54575	48986	31015		15	552
	78276	74242	71174	67299	64005	58059	52113	32995		15	562
	84480	82608	80750	77882	74477	70588	66701	58834		20	700
	88000	86050	84115	81128	77580	73530	69481	61286		20	719

Note: Performance shown for model TA 1000 Direct Driven Series is with inlet and outlet ducts.

*Standard propeller for these models is steel construction.

TA1000 Tube Axial Roof Exhauster

TA1000 Guide Specifications

- 1.1. **DESCRIPTION**
Furnish and Install Series 1100 Direct Drive Tube-Axial Duct Fan and accessories as indicated on drawings.
- 1.2. **QUALITY ASSURANCE**
MOFFITT (Jacksonville, FL, 1 800-474-3267) Products establish the standard of quality required. Manufacturer and erector shall demonstrate a minimum of five (5) years of related industry experience.
- 1.3. **SUBSTITUTIONS:**
No substitutions will be considered unless written request for approval has been submitted by the bidder and has been received by the designer at least ten (10) days prior to bid date. Any proposed substitutions should meet the standards set by the specification.
- 1.4. **SUBMITTALS:**
Furnish approval drawings prior to fabrication; and erection drawings prior to shipment showing all erection procedures and accessories required for the specified product.
- 2.1. **DESIGN:**
 - 2.2. Fan shall be a straight-through airflow design to maximize exhaust efficiency.
 - 2.3. Fan to be direct drive to minimize maintenance.
 - 2.4. Fan to be Factory assembled and run tested prior to shipping.
- 2.5. **CONSTRUCTION:**
 - 2.6. Housing to be heavy gauge rolled steel construction.
 - 2.7. Rolled steel flanges with reinforcement on each end.
 - 2.8. Continuous welded seams.
 - 2.9. Propeller (12" to 21") to be die-formed steel blades with steel hub and taper lock bushing. Heavy-duty construction; larger fans (24" to 48") to be airfoil design with _____ (3, 4, 6) aluminum blades. Hub plate to be steel construction with taper lock type bushings. Blades to be pitched for optimum performance. Propellers to be statically and dynamically balanced at factory before shipping.
 - 2.10. Drive to be direct drive with motor sized 150% of drive horsepower. Motor to be open drip proof unless specified otherwise. Motors to be nationally recognized and locally serviced brand.
- 2.11. **ACCESSORIES** (Select as Required)
 - 2.11.1. Motor to be Premium-efficiency (TEFC; Explosion-proof; Corrosion Duty).
 - 2.11.2. Pedestal Base to be provided for vertical (horizontal) mounting of fan.
 - 2.11.3. Ceiling Bracket to be provided to suspend fan from ceiling mounts (with isolators)
 - 2.11.4. Inlet/Outlet Guards to be provided.
 - 2.11.5. Access Panel to be provided for inspection of fan.
 - 2.11.6. Companion flanges to be provided.
 - 2.11.7. Disconnect switch to be non-fused. NEMA__ Rated.
 - 2.11.8. Fan to be Spark-Resistant Construction.
 - 2.11.9. Fan to be Epoxy coated finish.
 - 2.11.10. Fan to be Heresite coated finish.
 - 2.11.11. Fan to be Eisenheiss coated finish.
- 3.1. **INSPECTION**
Examine fan prior to installation for any damage in shipping. Report it immediately. Examine Support structure to be sure secure; examine duct flanges/faces prior to installation to ensure a true mounting condition.
- 3.2. **INSTALLATION AND ERECTION**
 - 3.2.1. Install Series 1100 Direct Drive Tube-Axial Fan and Accessories in conformance with approved drawings and MOFFITT specifications.
 - 3.2.2. Any necessary hardware and caulking for ventilator shall be included with units.
 - 3.2.3. Any additional material to be provided by installing contractor.
- 3.3. **DAMAGED MATERIAL**
Repair or replace all damaged material.