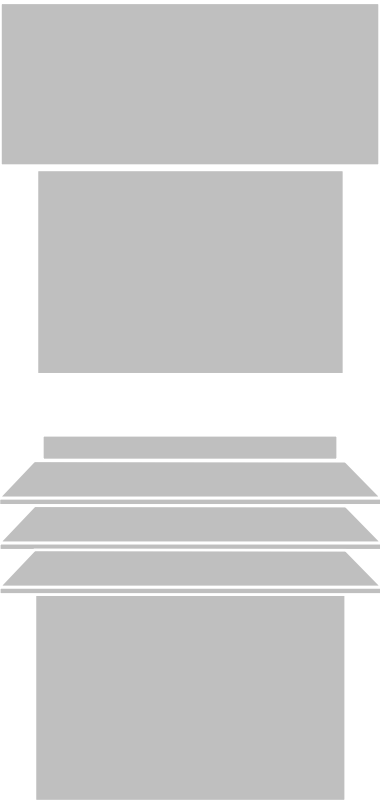


ASP/ASP-T



ASP/ASP-T

Filtered Air Supply Package

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INTRODUCTION

Loren Cook Company ASP and ASP-T Filtered Air Supply Packages are available in six quiet and efficient sizes supplying air from 400 to 14,000 CFM. Installation is quick and easy. A three inch skirt is provided for attachment to the roof curb. Weather protection and long life is ensured by an enclosed, galvanized cabinet and baffled air intakes. An insulated top cover reinforced with cross breaks prevents drumming. Overall vibration is prevented with factory installed vibration isolators on the motor and blower. In addition, the cover is removable allowing quick access to filters, blower, and motor assembly for service, inspection and cleaning. Fan bearings and motor bearings are permanently lubricated, and filters are of all aluminum construction. The ASP Hooded Filtered Air Supply Package is constructed of heavy gauge galvanized steel and designed for maximum weather protection. The ASP-T Tiered Filtered Air Supply Package features a heavy gauge extruded aluminum tiered hood.



ASP

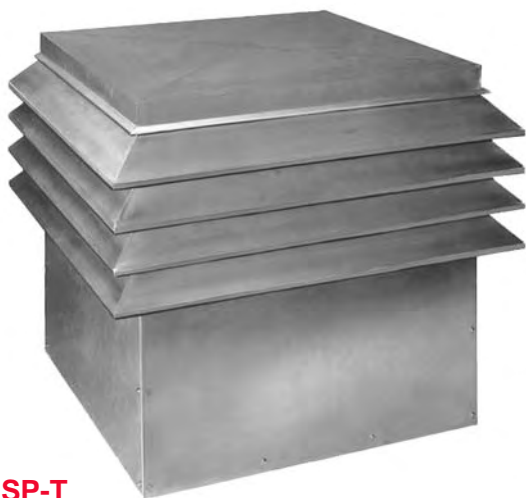
- The motors are heavy duty, sealed ball bearing type.
- The drives are cast iron.
- Filters are one inch, washable, permanent type.
- The blower is a double width, double inlet, (DWDI), forward curved centrifugal type.
- A pivoting motor mount with a screw adjustment is provided for easily maintaining the proper belt tension.

Side Discharge

Both units are available in side discharge configuration allowing for a wide range of versatility concerning placement of the intake unit in a supply system.



ASP Side Discharge

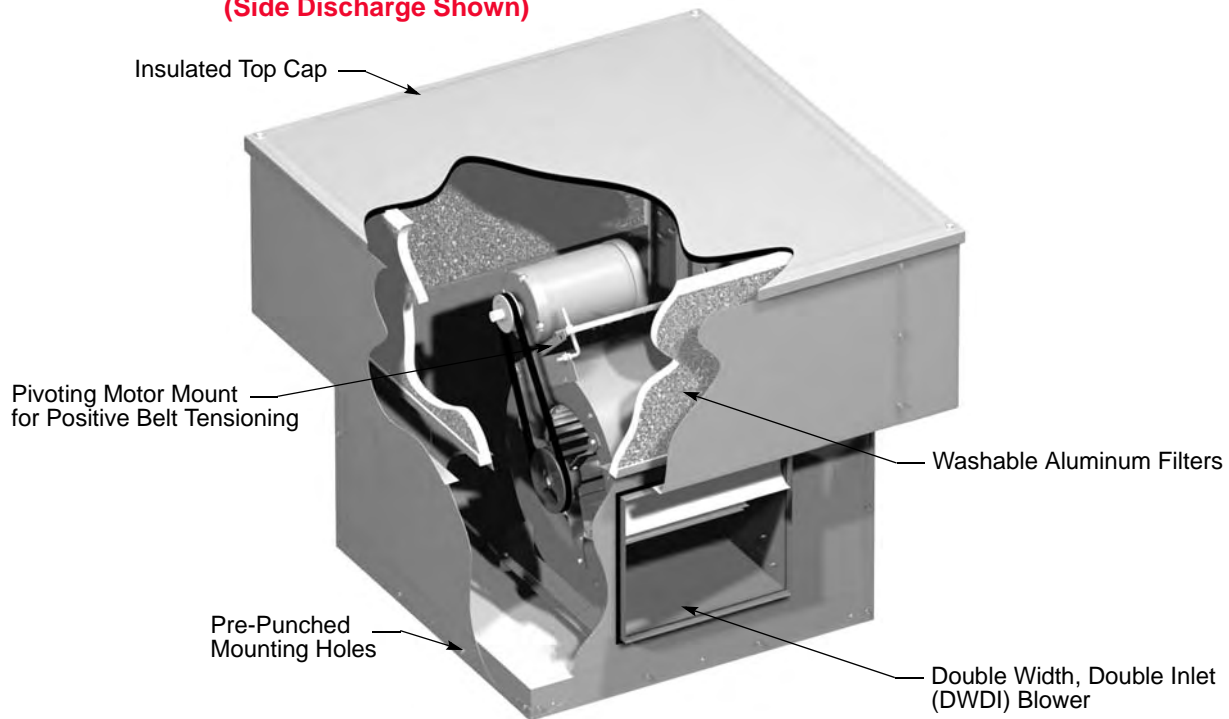


ASP-T

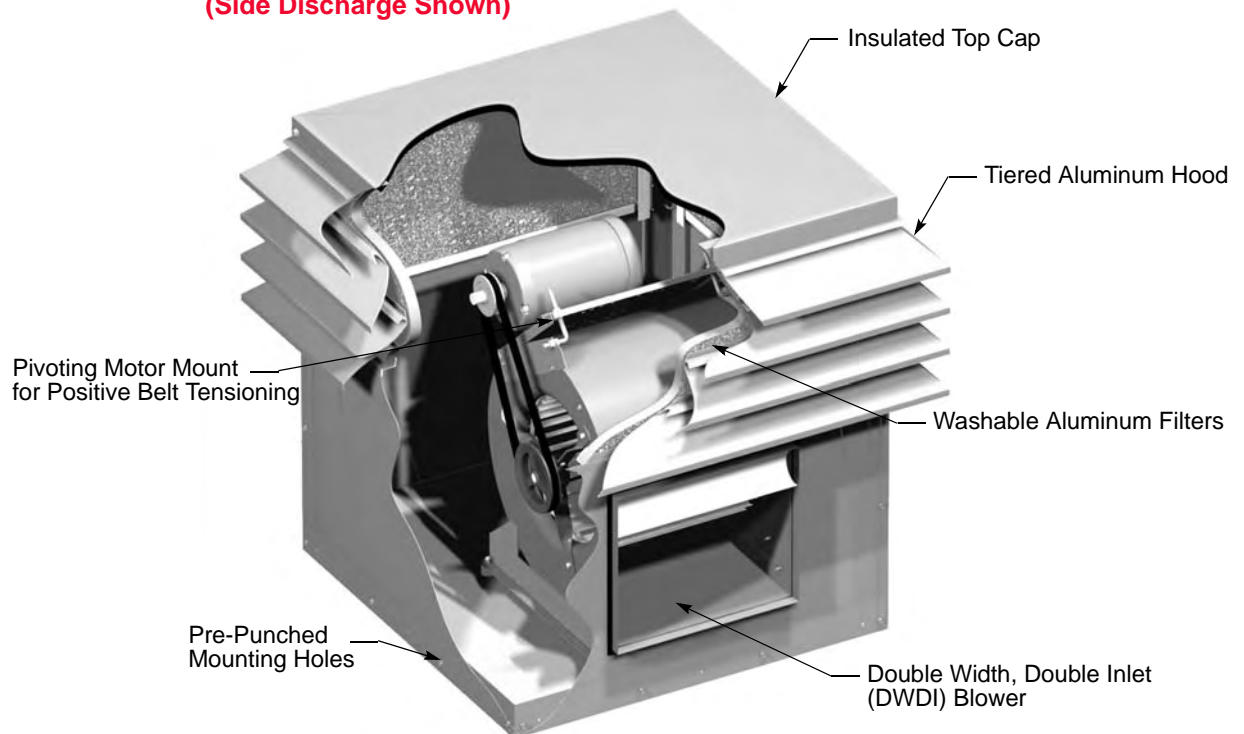


ASP-T Side Discharge

ASP (Side Discharge Shown)



ASP-T (Side Discharge Shown)



Air Supply Package Forward Curve, Belt Drive Bottom or Side Discharge Roof Mounted

Bottom



Side



Loren Cook Company certifies that the ASP shown herein is licensed to bear the AMCA Seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 211 and AMCA Publication 311 and comply with the requirements of the AMCA Certified Ratings Program.



Type ASP is furnished standard with UL 705 and cUL 705 listing (Power Ventilator/ZACT) when furnished with factory supplied motor.

Description - Fan shall be a hooded, roof mounted, belt driven, centrifugal filtered supply fan.

Certifications - Fan shall be manufactured at an ISO 9001 certified facility. Fan shall be listed by Underwriters Laboratories (UL 705) and UL listed for Canada (cUL 705). Fan shall bear the AMCA Certified Ratings Seal for Sound and Air Performance.

Construction - The fan shall be of bolted construction utilizing corrosion resistant fasteners. Housing shall be minimum 18 gauge galvanized steel, bolted to a minimum 16 gauge steel fan base with prepunched mounting holes. Unit shall be provided with an insulated top cover and 1" washable permanent aluminum filters. Internal blower and motor assembly shall be mounted on rubber vibration isolators. Unit shall bear an engraved aluminum nameplate. Nameplate shall indicate design CFM, static pressure, and maximum fan RPM. Unit shall be shipped in ISTA Certified Transit Tested Packaging.

Wheel - Wheel shall be DWDI centrifugal forward curved type, constructed of painted steel. Wheel shall be balanced in accordance with AMCA Standard 204-05, Balance Quality and Vibration Levels for Fans.

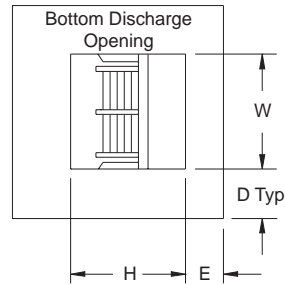
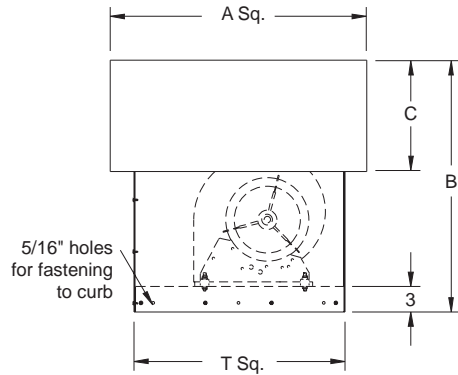
Motor - Motor shall be Nema Design B with Class B insulation rated for continuous duty and furnished at the specified voltage, phase and enclosure.

Bearings - Bearings shall be ball bearing type selected for a minimum L50 life in excess of 200,000 hours at maximum cataloged operating speed.

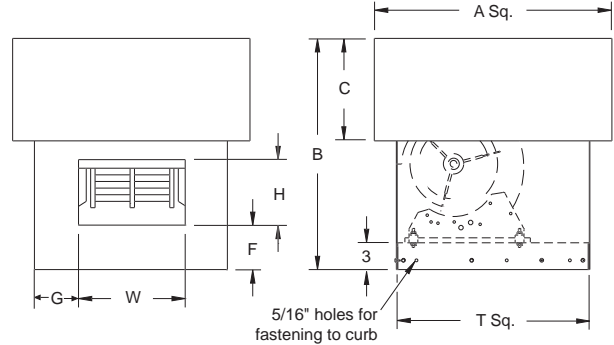
Belts and Drives - Belts shall be oil and heat resistant, non-static type. Drives shall be precision machined cast iron type, keyed and securely attached to the wheel and motor shafts. Drives shall be sized for 150% of the installed motor horsepower. The variable pitch motor drive must be factory set to the specified fan RPM.

Product - Fan shall be model ASP as manufactured by Loren Cook Company of Springfield, Missouri.

Bottom



Side



ASP Discharge Dimension Data

Size	A	B		C	D	E	F	G	T Sq.	Discharge Opening (H x W)	Filters		Material Gauges		Roof Opening Square*	Approx. Ship Wt.-Lbs.**
		Bottom	Side								Qty.	Size	Base	Housing		
90	33-1/8	26-1/2	27-1/2	10-1/2	6-7/32	7	5-1/4	6-5/32	24-1/8	10-1/8 x 11-9/16	4	10-1/4 x 19-3/4	16	18	19-1/2	230
100	38-1/2	30	31	12-1/4	7-5/8	8-7/16	5-1/4	7-1/2	28-1/8	11-1/4 x 12-7/8	4	12 x 24	16	18	23-1/2	250
120	42-1/2	33-1/4	37-1/4	16-1/2	8-3/8	8-3/4	5-1/4	8-1/4	32-1/8	13-5/16 x 15-3/8	4	16 x 28	16	18	27-1/2	290
150	45-3/4	36-1/4	39-3/4	16-1/2	6-7/8	6-5/16	5-1/4	6-3/4	32-1/8	15-3/4 x 18-3/8	4	16 x 28	16	18	27-1/2	330
180	55-3/4	40-1/4	49	22-3/4	7-1/4	5-5/16	5-1/4	7-1/8	36-1/8	18-3/4 x 21-5/8	4	20 x 32	16	18	31-1/2	500
200	68	47-1/4	60	29	11-11/16	10-5/8	5-3/4	11-11/16	48-1/8	24-3/4 x 24-3/4	4	27-3/4 x 44	16	18	43-1/2	750

All dimensions in inches. Weight in pounds. *Roof opening size for curbs supplied by Loren Cook Co. only. **Less motor.

Description - Fan shall be a tiered aluminum hooded, roof mounted, belt driven, centrifugal filtered supply fan.

Certifications - Fan shall be manufactured at an ISO 9001 certified facility. Fan shall be listed by Underwriters Laboratories (UL 705) and UL listed for Canada (cUL 705). Fan shall bear the AMCA Certified Ratings Seal for Sound and Air Performance.

Construction - The fan shall be of bolted construction utilizing corrosion resistant fasteners. Hood shall be tiered extruded aluminum, bolted to a minimum 16 gauge steel fan base with prepunched mounting holes. Unit shall be provided with an insulated aluminum top cover and 1" washable permanent aluminum filters. Internal blower and motor assembly shall be mounted on rubber vibration isolators. Unit shall bear an engraved aluminum nameplate. Nameplate shall indicate design CFM, static pressure, and maximum fan RPM. Unit shall be shipped in ISTA Certified Transit Tested Packaging.

Wheel - Wheel shall be steel, centrifugal forward curved type. Wheel shall utilize an aerodynamic aluminum inlet cone to provide maximum performance and efficiency. Wheel shall be balanced in accordance with AMCA Standard 204-05, Balance Quality and Vibration Levels for Fans.

Motor - Motor shall be Nema Design B with Class B insulation rated for continuous duty and furnished at the specified voltage, phase and enclosure.

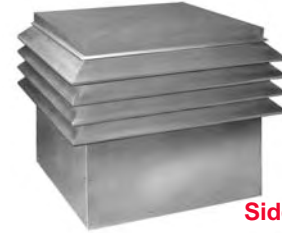
Bearings - Bearings shall be ball bearing type selected for a minimum L50 life in excess of 200,000 hours at maximum cataloged operating speed.

Belts and Drives - Belts shall be oil and heat resistant, non-static type. Drives shall be precision machined cast iron type, keyed and securely attached to the wheel and motor shafts. Drives shall be sized for 150% of the installed motor horsepower. The variable pitch motor drive must be factory set to the specified fan RPM.

Product - Fan shall be model ASP-T as manufactured by Loren Cook Company of Springfield, Missouri.

Tiered Air Supply Package Forward Curve, Belt Drive Bottom or Side Discharge Roof Mounted

Bottom



Side

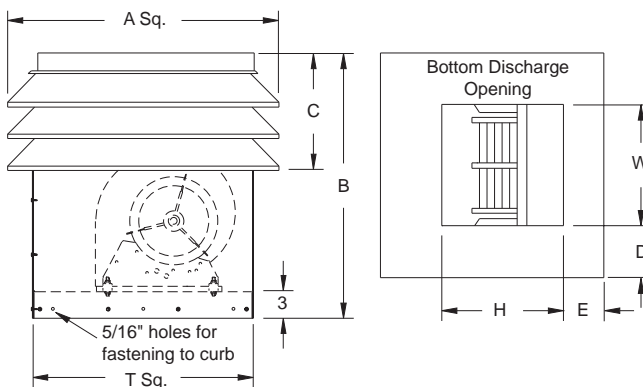


Loren Cook Company certifies that the ASP-T shown herein is licensed to bear the AMCA Seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 211 and AMCA Publication 311 and comply with the requirements of the AMCA Certified Ratings Program.

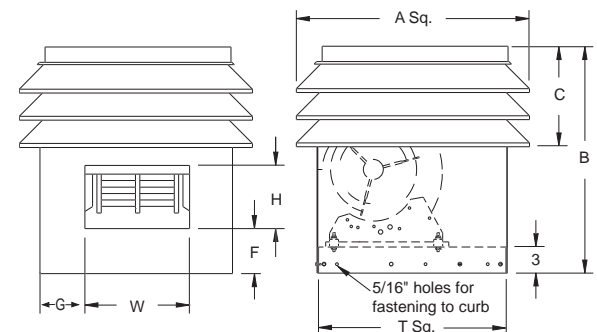


Type ASP-T is furnished standard with UL 705 and cUL 705 listing (Power Ventilator/ZACT) when furnished with factory supplied motor.

Bottom



Side



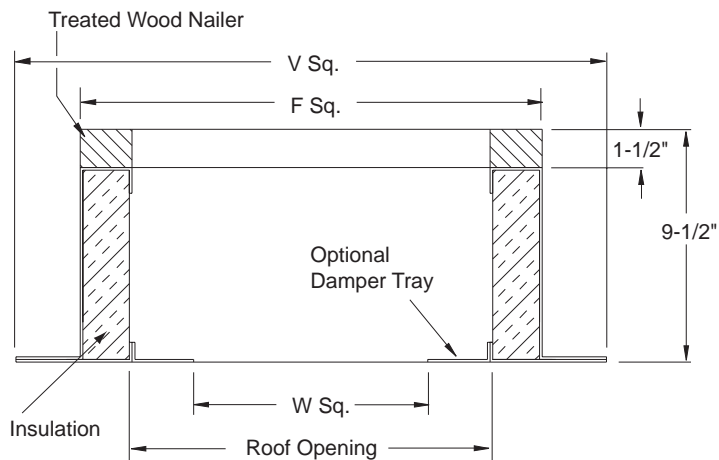
ASP-T Bottom Discharge Dimension Data

Size	A	B		C	D	E	F	G	Discharge Opening (H x W)	T Sq.	Filters		Material		No. of Tiers	Roof Opening Square*	Approx. Ship Wt.-Lbs.**
		Bottom	Side								Qty.	Size	Base	Housing			
90	30-7/8	29-1/4	30-1/4	13-1/4	6-7/32	7	5-1/4	6-5/32	10-1/8 x 11-9/16	24-1/8	4	12 x 18-1/4	16	18	3	19-1/2	230
100	34-7/8	31	32	13-1/4	7-5/8	8-7/16	5-1/4	7-1/2	11-1/4 x 12-7/8	28-1/8	4	12 x 22-1/4	16	18	3	23-1/2	250
120	38-7/8	33-1/2	37-1/2	16-3/4	8-3/8	8-3/4	5-1/4	8-1/4	13-5/16 x 15-3/8	32-1/8	4	15-1/2 x 26-1/4	16	18	4	27-1/2	290
150	38-7/8	36-1/2	40	16-3/4	6-7/8	6-5/16	5-1/4	6-3/4	15-3/4 x 18-3/8	32-1/8	4	15-1/2 x 26-1/4	16	18	4	27-1/2	330
180	42-7/8	44-3/4	53-1/2	27-1/4	7-1/4	5-5/16	5-1/4	7-1/8	18-3/4 x 21-5/8	36-1/8	4	26 x 30-1/4	16	18	7	31-1/2	500
200	54-7/8	49	61-3/4	30-3/4	11-11/16	10-5/8	5-3/4	11-11/16	24-3/4 x 24-3/4	48-1/8	4	29-1/2 x 42-1/4	16	18	8	43-1/2	750

All dimensions in inches. Weight in pounds. *Roof opening size for curbs supplied by Loren Cook Co. only. **Less motor.

ACCESSORIES

Roof Curb



Standard Construction Features

- 18 gauge galvanized steel (RCG) or .080 aluminum (RCA).
- 1-1/2", 3 lbs. density thermal and acoustical insulation.
- Continuously welded corners.
- Wood nailer.

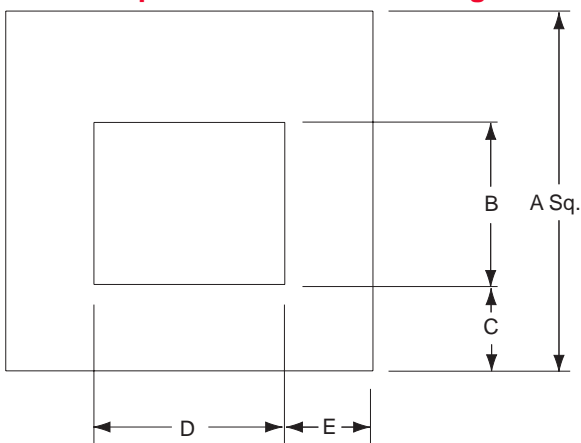
Options

- No wood nailer (deduct 1-1/2" from height).
- 13-1/2" tall construction.
- 3" cant (add 4" to V Sq. dimension).

ASP/ASP-T Unit Size	Catalog Number		F Sq.	V Sq.	W Sq.	Roof Opening
	Galvanized	Aluminum				
90	RCG-22	RCA-22	22-1/2	26-1/2	15-3/4	19-1/2
100	RCG-26	RCA-26	26-1/2	30-1/2	19-3/4	23-1/2
120,150	RCG-30	RCA-30	30-1/2	34-1/2	23-3/4	27-1/2
180	RCG-34	RCA-34	34-1/2	38-1/2	27-3/4	31-1/2
200	RCG-46	RCA-46	46-1/2	50-1/2	39-3/4	43-1/2

All dimensions in inches.

Duct Adaptor for Bottom Discharge Units



ASP/ASP-T Unit Size	A Sq.	B	C	D	E
90	22-1/2	10-1/8	6-3/16	11-11/16	5-13/32
100	26-1/2	11-1/4	7-5/8	13	6-3/4
120	30-1/2	13-7/16	8-17/32	15-1/2	7-1/2
150	30-1/2	15-3/4	7-3/8	18-1/2	6
180	34-1/2	18-3/4	7-7/8	21-3/4	6-3/8
200	46-1/2	24-7/8	10-13/16	24-7/8	10-13/16

All dimensions in inches.

Loren Cook Duct Adaptor is designed to fit over a curb in order to accommodate the installation of ductwork before the fan is placed upon the roof curb. Intake dampers cannot be used with a duct adaptor.

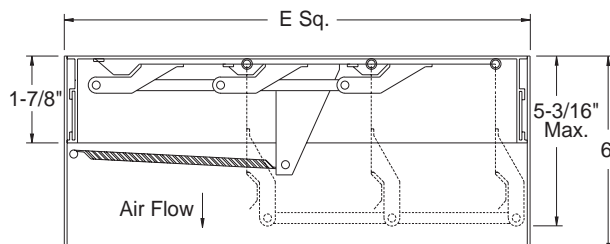
Dampers

Loren Cook Intake Backdraft Dampers (BDI) and Motorized Intake Backdraft Dampers (BDMI) feature extruded aluminum frames, aluminum blades and aluminum hinge pins with nylon bushings.

The Intake Backdraft Damper features a spring return for closing. Maximum operating temperature is 200°F (95°C).

Motors on Motorized Intake Backdraft Dampers are non-overloading type available in 110, 220, or 440 voltage, single phase. Size 200 ASP/ASP-T (BDMI-42) uses two motors. In addition, a wood nailer must be supplied on a 9-1/2 inch curb. Maximum operating temperature is 130°F (50°C).

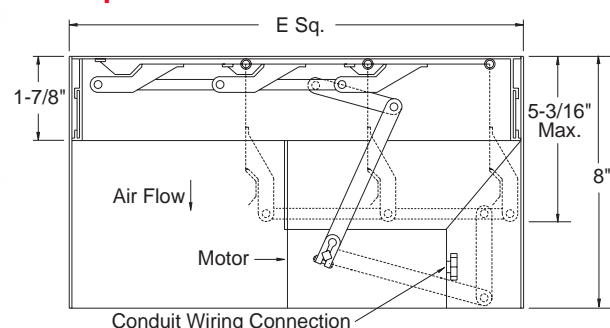
Intake Backdraft Damper



ASP/ASP-T Unit Size	Catalog Number	E. Sq.
90	BDI-18	17-3/4
100	BDI-22	21-3/4
120, 150	BDI-26	25-3/4
180	BDI-30	29-3/4
200	BDI-42	41-3/4

All dimensions in inches.

Motorized Intake Backdraft Damper



ASP/ASP-T Unit Size	Catalog Number	E. Sq.
90	BDMI-18	17-3/4
100	BDMI-22	21-3/4
120, 150	BDMI-26	25-3/4
180	BDMI-30	29-3/4
200	BDMI-42	41-3/4

All dimensions in inches.

Disconnect Switches

NEMA 1 - Indoor, general purpose

NEMA 1 (Lockable) - Indoor, general purpose with lockable switch

NEMA 3R - Exterior mount, weather resistant

NEMA 4 - Water tight, dust tight



NEMA 1



NEMA 1 (Lockable)



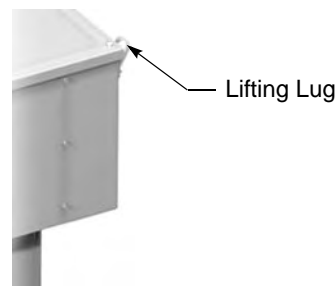
NEMA 3R



NEMA 4

Lifting Lugs

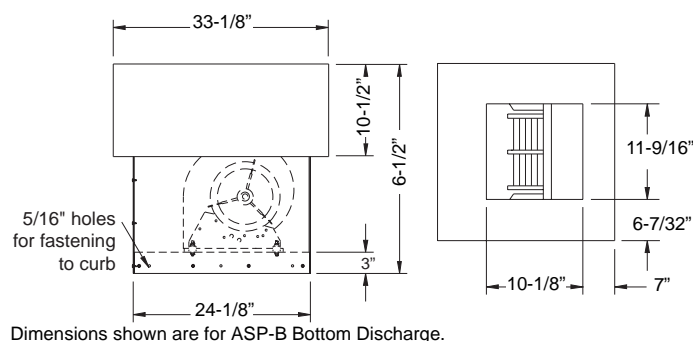
The addition of heavy duty bolt on lifting lugs provides for safer, faster, more efficient lifting of the ASP unit to a roof top. Lifting lugs are available on all sizes.



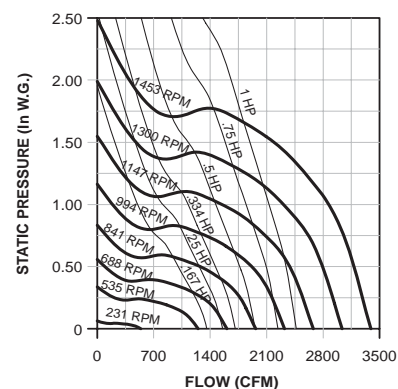
90-120 ASP/ASP-T Performance Data

90 ASP/ASP-T

Wheel Type - Forward Curved
Maximum MHP - 1.0
Outlet Area - 0.813 sq. ft.
Max Motor Frame - 145T
Max RPM - 1497

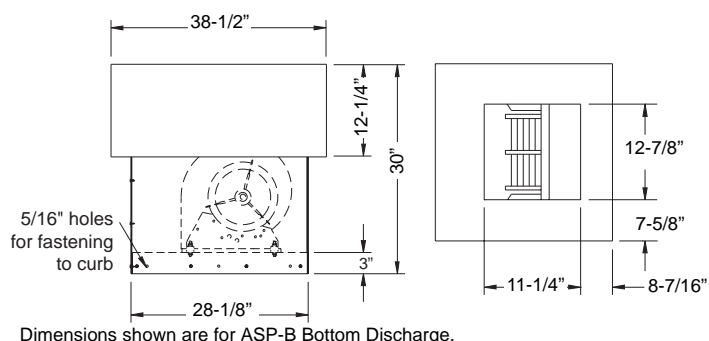


Dimensions shown are for ASP-B Bottom Discharge.

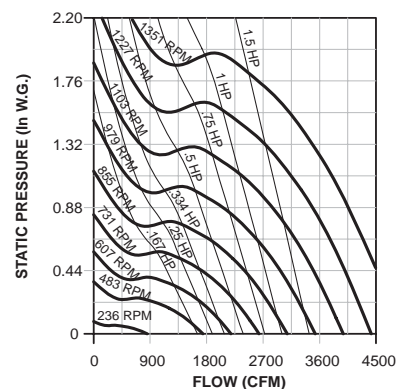


100 ASP/ASP-T

Wheel Type - Forward Curved
Maximum MHP - 1.5
Outlet Area - 1.01 sq. ft.
Max Motor Frame - 145T
Max RPM - 1445

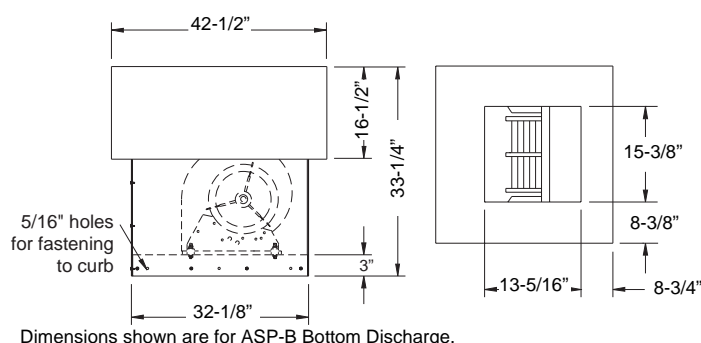


Dimensions shown are for ASP-B Bottom Discharge.

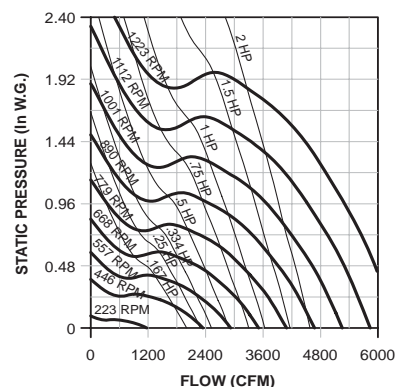


120 ASP/ASP-T

Wheel Type - Forward Curved
Maximum MHP - 2.0
Outlet Area - 1.42 sq. ft.
Max Motor Frame - 184T
Max RPM - 1204



Dimensions shown are for ASP-B Bottom Discharge.



Performance certified is for Installation Type B: Free inlet, Ducted outlet. Power rating (BHP) does not include transmission losses. Performance ratings include the effects of filters.

90 ASP/ASP-T

CFM	Out. Vel.	0.000" SP		0.125" SP		0.250" SP		0.375" SP		0.500" SP		0.625" SP		0.750" SP		1.000" SP		1.250" SP		1.500" SP		1.750" SP		2.000" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
600	714	257	0.01	414	0.03																				
700	833	300	0.02	433	0.04	563	0.06																		
800	952	343	0.03	456	0.05	578	0.07																		
900	1071	385	0.05	481	0.07	594	0.09	696	0.12																
1000	1190	428	0.07	509	0.08	614	0.11	711	0.14	798	0.17														
1100	1309	471	0.09	541	0.11	637	0.13	727	0.16	812	0.19	890	0.23												
1200	1428	514	0.12	576	0.13	662	0.16	747	0.19	828	0.23	904	0.26	974	0.30										
1300	1547	557	0.15	613	0.17	688	0.19	769	0.23	845	0.26	919	0.30	988	0.34										
1400	1666	600	0.18	651	0.20	716	0.23	793	0.27	865	0.30	935	0.34	1003	0.38	1126	0.46								
1500	1785	642	0.22	691	0.25	747	0.27	818	0.31	888	0.35	954	0.39	1019	0.43	1140	0.52	1251	0.60						
1600	1904	685	0.27	730	0.30	780	0.32	845	0.36	912	0.40	975	0.45	1037	0.49	1155	0.58	1264	0.67						
1700	2023	728	0.33	771	0.35	815	0.38	873	0.42	937	0.46	998	0.50	1057	0.55	1171	0.64	1278	0.74	1378	0.84				
1800	2142	771	0.39	811	0.41	853	0.44	903	0.48	963	0.52	1022	0.57	1078	0.62	1188	0.71	1293	0.82	1391	0.92	1483	1.02		
1900	2261	814	0.46	852	0.49	891	0.51	935	0.55	990	0.59	1047	0.64	1102	0.69	1207	0.79	1309	0.90	1406	1.01	1497	1.12		
2000	2380	857	0.53	893	0.56	929	0.59	970	0.63	1019	0.67	1073	0.72	1126	0.77	1228	0.88	1326	0.99	1421	1.10				
2100	2500	899	0.62	935	0.65	969	0.68	1005	0.71	1049	0.75	1100	0.81	1152	0.86	1250	0.97	1345	1.08						
2200	2619	942	0.71	976	0.74	1008	0.77	1043	0.81	1082	0.85	1128	0.90	1178	0.96	1274	1.07								
2300	2738	985	0.81	1016	0.84	1048	0.88	1080	0.91	1116	0.95	1158	1.00	1205	1.06										

100 ASP/ASP-T

CFM	Out. Vel.	0.000" SP		0.125" SP		0.250" SP		0.375" SP		0.500" SP		0.625" SP		0.750" SP		1.000" SP		1.250" SP		1.500" SP		1.750" SP		2.000" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
850	819	236	0.02	379	0.04																				
1000	964	277	0.04	403	0.06	510	0.09																		
1150	1108	319	0.06	430	0.09	529	0.12	617	0.15																
1300	1253	361	0.08	460	0.11	551	0.15	634	0.18	709	0.22														
1450	1398	402	0.11	491	0.15	576	0.19	653	0.22	726	0.26	793	0.30												
1600	1542	444	0.15	525	0.19	603	0.23	676	0.27	744	0.32	809	0.36	870	0.40										
1750	1687	485	0.20	560	0.24	632	0.29	701	0.33	765	0.38	827	0.42	886	0.47										
1900	1832	527	0.25	596	0.30	663	0.35	728	0.40	789	0.45	847	0.50	904	0.55	1010	0.65								
2050	1976	568	0.32	633	0.37	695	0.42	756	0.47	815	0.53	870	0.58	924	0.63	1027	0.75	1121	0.86						
2200	2121	610	0.39	670	0.45	728	0.50	785	0.56	841	0.62	895	0.67	946	0.73	1044	0.85	1137	0.97						
2350	2266	652	0.48	708	0.54	763	0.60	817	0.66	870	0.72	921	0.78	970	0.84	1064	0.96	1154	1.09	1240	1.22				
2500	2410	693	0.58	747	0.64	798	0.70	849	0.77	899	0.83	948	0.89	996	0.96	1086	1.09	1173	1.22	1256	1.36	1335	1.50		
2650	2555	735	0.69	786	0.76	834	0.82	882	0.89	929	0.95	977	1.02	1022	1.09	1110	1.23	1193	1.37	1274	1.51	1351	1.65		
2800	2700	776	0.81	825	0.89	871	0.96	916	1.02	961	1.09	1006	1.16	1050	1.24	1135	1.38	1215	1.53						
2950	2844	818	0.95	864	1.03	907	1.10	951	1.17	994	1.25	1037	1.32	1079	1.40	1161	1.55								
3100	2989	860	1.10	904	1.19	945	1.26	986	1.34	1027	1.41	1068	1.49	1109	1.57										
3250	3134	901	1.27	943	1.35	983	1.44	1022	1.52	1062	1.60														
3400	3278	943	1.45	983	1.54	1022	1.63																		

120 ASP/ASP-T

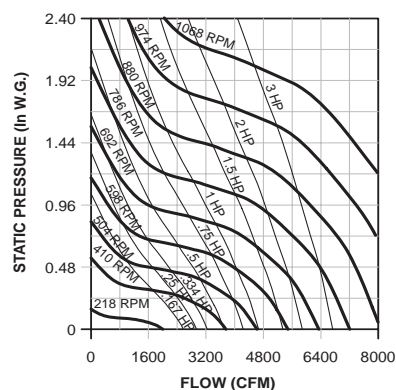
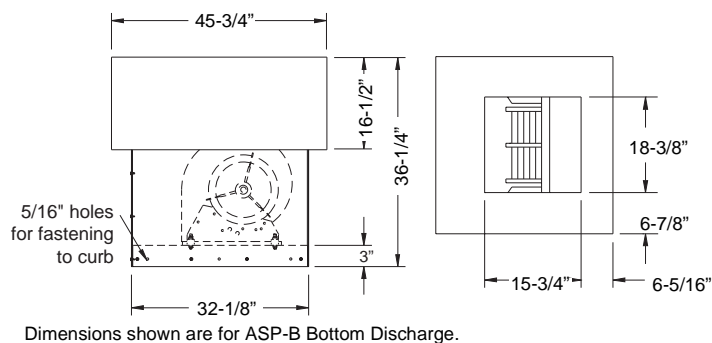
CFM	Out. Vel.	0.000" SP		0.125" SP		0.250" SP		0.375" SP		0.500" SP		0.625" SP		0.750" SP		1.000" SP		1.250" SP		1.500" SP		1.750" SP		2.000" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
1200	833	229	0.04	347	0.07	449	0.10																		
1400	972	267	0.06	370	0.09	464	0.13																		
1600	1111	305	0.09	397	0.13	481	0.16	559	0.21																
1800	1249	343	0.12	425	0.17	502	0.21	575	0.26	642	0.31														
2000	1388	381	0.17	454	0.21	526	0.26	593	0.32	658	0.37	717	0.43												
2200	1527	419	0.22	485	0.27	552	0.33	614	0.38	675	0.44	732	0.50	787	0.57										
2400	1666	457	0.29	517	0.34	580	0.41	638	0.46	694	0.52	749	0.59	801	0.66	898	0.79								
2600	1805	495	0.37	550	0.42	609	0.49	664	0.56	716	0.62	768	0.69	818	0.76	913	0.91								
2800	1944	533	0.46	584	0.52	638	0.59	691	0.66	740	0.73	788	0.80	836	0.87	928	1.03	1013	1.19						
3000	2083	571	0.56	619	0.63	669	0.70	719	0.78	766	0.86	811	0.93	856	1.00	944	1.17	1027	1.34	1104	1.51				
3200	2222	610	0.68	654	0.75	700	0.83	748	0.92	793	1.00	836	1.07	879	1.15	962	1.32	1043	1.50	1119	1.68	1190	1.86		
3400	2361	648	0.82	690	0.89	732	0.97	777	1.06	821	1.15	863	1.24	903	1.32	982	1.49	1060	1.68	1134	1.86	1204	2.06		
3600	2499	686	0.97	725	1.05	765	1.13	807	1.22	850	1.32	890	1.41	928	1.50	1004	1.68	1078	1.87	1150	2.06				
3800	2638	724	1.14	762	1.23	799	1.31	838	1.40	879	1.51	918	1.61	955	1.70	1027	1.89	1098	2.08						
4000	2777	762	1.33	798	1.42	833	1.51	870	1.61	909	1.72	947	1.82	983	1.92	1052	2.12								
4200	2916	800	1.54	834	1.63	867	1.72	903	1.83	939	1.94	976	2.05	1011	2.16										
4400	3055	838	1.77	871	1.87	903	1.97	936	2.07	970	2.18														
4600	3194	876	2.03	908	2.13																				

Performance certified is for Installation Type B: Free inlet, Ducted outlet. Power rating (BHP) does not include transmission losses. Performance ratings include the effects of filters.

150-200 ASP/ASP-T Performance Data

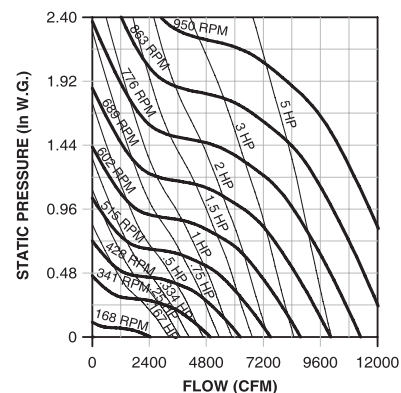
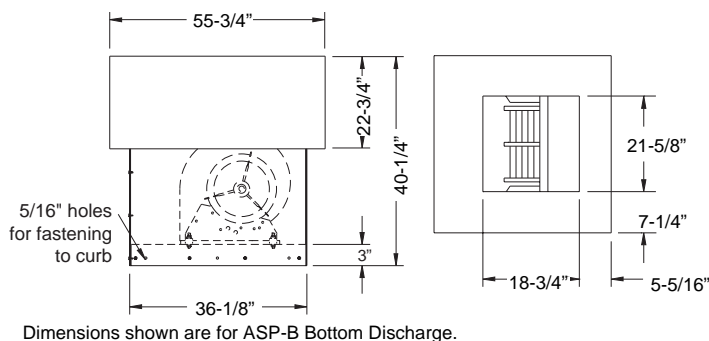
150 ASP/ASP-T

Wheel Type - Forward Curved
Maximum MHP - 3.0
Outlet Area - 2.01 sq. ft.
Max Motor Frame - 184T
Max RPM - 1068



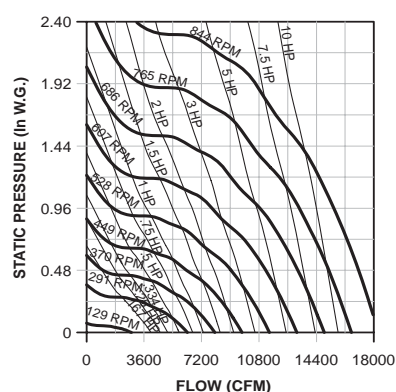
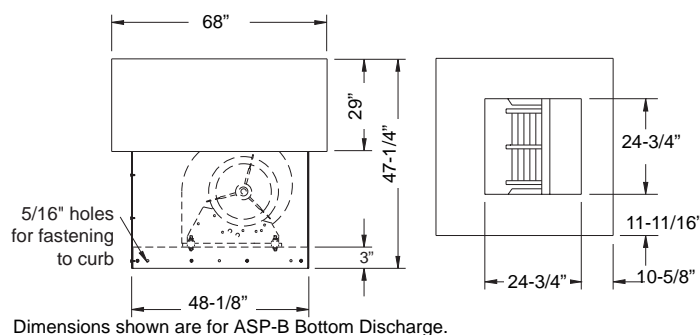
180 ASP/ASP-T

Wheel Type - Forward Curved
Maximum MHP - 5.0
Outlet Area - 2.82 sq. ft.
Max Motor Frame - 184T
Max RPM - 980



200 ASP/ASP-T

Wheel Type - Forward Curved
Maximum MHP - 7.0
Outlet Area - 4.25 sq. in.
Max Motor Frame - 213T
Max RPM - 851



Performance certified is for Installation Type B: Free inlet, Ducted outlet. Power rating (BHP) does not include transmission losses. Performance ratings include the effects of filters.

150 ASP/ASP-T

CFM	Out. Vel.	0.000" SP		0.125" SP		0.250" SP		0.375" SP		0.500" SP		0.625" SP		0.750" SP		1.000" SP		1.250" SP		1.500" SP		1.750" SP		2.000" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
1700	828	185	0.05	285	0.09	378	0.14																		
2000	974	218	0.08	304	0.13	386	0.18																		
2300	1120	251	0.12	324	0.17	398	0.23	468	0.30																
2600	1266	284	0.17	347	0.23	415	0.29	478	0.37	539	0.45														
2900	1412	316	0.24	370	0.30	434	0.37	492	0.45	548	0.53	603	0.63	653	0.72										
3200	1558	349	0.32	396	0.38	455	0.46	509	0.55	561	0.63	612	0.73	661	0.83										
3500	1704	382	0.42	424	0.49	477	0.57	528	0.66	576	0.75	623	0.85	670	0.96	758	1.18								
3800	1850	415	0.54	453	0.61	499	0.70	549	0.80	594	0.89	638	0.99	681	1.10	766	1.33	844	1.58						
4100	1997	447	0.68	483	0.76	524	0.84	570	0.95	614	1.05	655	1.16	696	1.27	775	1.50	853	1.77	923	2.03				
4400	2143	480	0.84	513	0.92	549	1.01	592	1.12	635	1.23	674	1.34	712	1.46	787	1.70	861	1.97	931	2.25	996	2.54		
4700	2289	513	1.02	543	1.10	576	1.20	615	1.31	656	1.43	694	1.55	731	1.68	801	1.92	871	2.19	940	2.49	1005	2.80	1065	3.10
5000	2435	545	1.23	575	1.32	604	1.41	640	1.53	678	1.66	715	1.79	751	1.92	818	2.17	883	2.44	949	2.75	1013	3.07		
5300	2581	578	1.46	606	1.56	633	1.66	665	1.78	701	1.91	737	2.05	771	2.18	836	2.45	898	2.73	960	3.03				
5600	2727	611	1.73	637	1.83	663	1.94	692	2.05	724	2.18	759	2.33	792	2.47	855	2.76	915	3.05						
5900	2873	644	2.02	669	2.13	693	2.24	719	2.35	749	2.49	782	2.64	814	2.79	875	3.09								
6200	3019	676	2.34	700	2.46	723	2.57	747	2.69	775	2.83	805	2.98	836	3.13										
6500	3166	709	2.70	732	2.82	754	2.94	776	3.06	801	3.19														
6800	3312	742	3.09	763	3.22																				

180 ASP/ASP-T

CFM	Out. Vel.	0.000" SP		0.125" SP		0.250" SP		0.375" SP		0.500" SP		0.625" SP		0.750" SP		1.000" SP		1.250" SP		1.500" SP		1.750" SP		2.000" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
2450	868	168	0.07	254	0.13	329	0.2	394	0.28																
2850	1010	196	0.11	270	0.18	340	0.26	400	0.34	455	0.43														
3250	1152	223	0.17	290	0.24	352	0.33	410	0.42	461	0.51	509	0.61	555	0.72										
3650	1294	251	0.24	311	0.32	366	0.41	421	0.51	470	0.61	516	0.72	559	0.83										
4050	1436	278	0.33	334	0.42	383	0.51	433	0.62	481	0.73	525	0.85	566	0.96	644	1.22								
4450	1578	306	0.43	357	0.54	403	0.64	447	0.74	493	0.87	536	0.99	575	1.12	650	1.39	719	1.67						
4850	1719	333	0.56	380	0.67	424	0.79	464	0.89	506	1.02	547	1.15	586	1.29	658	1.57	724	1.86	787	2.18	846	2.51		
5250	1861	361	0.71	405	0.84	445	0.95	483	1.07	521	1.2	560	1.34	598	1.49	667	1.78	731	2.09	792	2.41	850	2.75	905	3.11
5650	2003	388	0.88	429	1.02	467	1.15	503	1.27	538	1.4	574	1.55	610	1.7	678	2.01	741	2.35	799	2.67	855	3.02	909	3.38
6050	2145	416	1.09	454	1.23	490	1.37	525	1.51	557	1.64	590	1.79	623	1.94	690	2.28	751	2.62	808	2.97	862	3.33	915	3.71
6450	2287	443	1.32	479	1.47	514	1.63	546	1.77	577	1.91	608	2.06	639	2.22	702	2.56	762	2.92	818	3.29	871	3.67	921	4.05
6850	2429	471	1.58	505	1.75	537	1.9	568	2.05	598	2.21	627	2.36	656	2.52	715	2.87	774	3.26	829	3.65	880	4.03	930	4.44
7250	2570	498	1.87	531	2.05	561	2.21	591	2.38	620	2.54	648	2.71	675	2.87	729	3.21	786	3.61	840	4.02	891	4.43	939	4.84
7650	2712	525	2.19	557	2.39	586	2.57	614	2.74	642	2.91	669	3.09	694	3.24	746	3.61	799	4.01	852	4.43	902	4.86	950	5.3
8050	2854	553	2.56	583	2.76	611	2.96	638	3.14	664	3.31	690	3.49	715	3.67	764	4.04	813	4.43	864	4.87	914	5.33		
8450	2996	580	2.95	609	3.17	635	3.37	662	3.57	687	3.76	712	3.95	736	4.13	783	4.51	829	4.9	878	5.36				
8850	3138	608	3.4	635	3.62	661	3.84	686	4.05	710	4.24	734	4.43	758	4.64	803	5.03	847	5.43						
9250	3280	635	3.87	662	4.12	686	4.34	710	4.55	734	4.77	757	4.97	780	5.19										
9650	3421	663	4.41	688	4.65	712	4.89	735	5.12	758	5.34														
10050	3563	690	4.97	715	5.24	738	5.49																		

200 ASP/ASP-T

CFM	Out. Vel.	0.000" SP		0.125" SP		0.250" SP		0.375" SP		0.500" SP		0.625" SP		0.750" SP		1.000" SP		1.250" SP		1.500" SP		1.750" SP		2.000" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
2800	658	129	0.06	218	0.12	287	0.20	343	0.29																
3600	846	166	0.12	239	0.20	299	0.29	354	0.40	401	0.51	443	0.62												
4400	1034	203	0.22	262	0.31	321	0.43	366	0.54	412	0.67	454	0.80	491	0.93										
5200	1222	240	0.36	290	0.47	341	0.60	388	0.74	426	0.87	464	1.01	502	1.17	568	1.48	627	1.80						
6000	1410	276	0.55	320	0.68	363	0.82	409	0.99	447	1.14	481	1.29	513	1.43	580	1.80	638	2.16	691	2.52	740	2.89		
6800	1598	313	0.80	352	0.95	390	1.09	429	1.27	469	1.46	503	1.64	532	1.79	591	2.15	649	2.55	703	2.97	751	3.38	796	3.79
8000	1880	369	1.31	401	1.47	434	1.64	467	1.84	500	2.04	534	2.26	566	2.48	619	2.87	668	3.27	718	3.71	768	4.21	813	4.68
8800	2068	406	1.75	435	1.92	465	2.11	495	2.31	524	2.52	554	2.74	586	3.00	642	3.47	688	3.89	732	4.31	778	4.81	824	5.34
9600	2256	442	2.26	469	2.45	497	2.66	525	2.88	552	3.10	578	3.32	606	3.58	663	4.13	711	4.62	753	5.08	793	5.53	835	6.06
10400	2444	479	2.87	505	3.10	529	3.30	555	3.53	580	3.76	605	4.01	630	4.27	682	4.83	733	5.42	775	5.93	814	6.43	851	6.92
11200	2632	516	3.59	539	3.81	563	4.06	586	4.29	610	4.54	633	4.79	656	5.06	703	5.63	752	6.26	797	6.87	836	7.42		
12000	2820	553	4.42	575	4.66	596	4.91	618	5.16	641	5.44	663	5.71	684	5.97	727	6.56	772	7.20						
12800	3008	590	5.37	611	5.64	631	5.90	651	6.16	672	6.44	693	6.73	713	7.00	753	7.60								
13200	3102	608	5.87	629	6.17	648	6.43	667	6.69	687	6.97	708	7.28	728	7.57										
14000	3291	645	7.01	664	7.31	683	7.61																		

Performance certified is for Installation Type B: Free inlet, Ducted outlet. Power rating (BHP) does not include transmission losses. Performance ratings include the effects of filters.

90 ASP/ASP-T

RPM	SP	Sound Power re 10 ⁻¹² Watts								L _{woA}
		Octave Bands								
		1	2	3	4	5	6	7	8	
400	0.000	70	62	59	58	57	56	52	48	62
500	0.000	78	68	65	64	62	62	58	54	68
	0.125	72	63	62	59	56	57	51	45	63
600	0.000	82	75	70	67	66	66	63	59	72
	0.125	78	70	67	64	62	62	59	54	69
700	0.000	85	80	74	70	70	69	67	63	76
	0.125	82	77	71	68	67	66	64	60	73
	0.250	82	74	69	66	64	63	61	55	71
800	0.000	88	85	77	74	73	72	71	67	80
	0.125	86	82	75	72	71	70	69	65	77
	0.250	86	80	73	71	69	68	66	61	76
	0.375	87	78	71	68	66	65	63	56	73
900	0.000	90	89	80	77	76	74	74	70	83
	0.125	89	87	78	76	75	73	72	68	81
	0.250	89	85	77	75	73	71	71	66	79
	0.375	90	84	76	74	72	69	69	63	78
	0.500	92	81	73	71	68	67	66	59	76
1000	0.125	92	91	81	79	77	76	75	72	84
	0.250	91	89	79	78	76	74	74	70	83
	0.375	92	88	79	78	75	73	73	68	82
	0.500	93	87	78	77	74	71	72	66	81
1100	0.500	94	91	82	80	76	75	75	70	84
	0.625	95	90	81	79	75	73	73	68	83
	0.750	97	88	79	77	73	71	71	65	81
1200	0.750	97	92	84	81	77	75	75	71	85

120 ASP/ASP-T

RPM	SP	Sound Power re 10 ⁻¹² Watts								L _{woA}
		Octave Bands								
		1	2	3	4	5	6	7	8	
300	0.000	71	60	58	54	52	52	46	40	59
400	0.000	78	71	65	63	59	59	55	49	66
	0.125	70	63	57	55	51	50	43	34	58
500	0.000	83	79	71	69	65	64	62	56	72
	0.125	78	74	66	65	61	59	55	47	68
	0.250	75	69	62	59	53	51	46	37	62
600	0.000	87	86	75	73	69	68	67	61	77
	0.125	83	82	72	70	67	65	64	56	74
	0.250	80	78	69	67	63	61	59	50	70
700	0.000	90	91	80	76	74	71	71	66	81
	0.125	87	88	78	74	72	69	69	62	79
	0.250	85	85	75	72	69	67	66	58	76
	0.375	84	82	73	69	66	63	62	54	73
800	0.000	92	94	86	80	78	75	74	70	85
	0.125	90	91	84	78	76	73	72	67	83
	0.250	88	89	82	76	74	71	71	65	81
	0.375	87	87	79	75	72	69	68	62	79
	0.500	86	85	78	73	70	66	65	58	77
900	0.625	87	84	77	71	67	63	61	54	75
	0.125	92	94	89	82	80	76	75	72	87
	0.250	91	93	87	80	79	75	74	70	85
	0.375	90	91	85	79	77	73	72	67	84
	0.500	88	89	83	77	76	72	70	65	82
	0.625	88	88	82	76	74	70	68	62	80
1000	0.750	89	88	81	75	72	67	65	59	79
	0.750	90	91	86	79	77	73	71	66	84
1000	1.000	91	91	84	77	74	69	66	61	82

180 ASP/ASP-T

RPM	SP	Sound Power re 10 ⁻¹² Watts									L _{woA}
		Octave Bands									
		1	2	3	4	5	6	7	8		
300	0.125	71	69	62	61	60	57	50	42	64	
350	0.125	76	74	69	66	65	63	58	50	70	
400	0.125	80	78	75	71	69	68	64	57	75	
	0.250	77	75	72	67	65	64	58	50	71	
450	0.125	84	81	79	75	72	72	69	63	79	
	0.250	81	80	77	72	69	69	65	57	76	
500	0.125	86	84	82	77	75	75	72	67	82	
	0.250	84	83	81	76	72	73	69	62	80	
	0.375	82	81	79	73	70	70	66	58	77	
550	0.125	88	87	85	79	78	77	75	70	84	
	0.250	86	86	84	78	76	76	73	67	83	
	0.375	84	84	82	76	74	74	71	63	81	
	0.500	83	83	81	74	72	72	68	60	79	
600	0.125	90	89	87	82	80	80	78	73	87	
	0.250	89	88	86	81	79	78	76	71	86	
	0.375	87	87	85	79	77	76	74	68	84	
	0.500	85	86	84	77	76	75	72	65	82	
650	0.125	91	91	89	84	83	81	80	76	89	
	0.250	91	91	88	84	82	80	79	74	88	
	0.375	89	90	88	82	80	79	77	72	87	
	0.500	87	88	87	81	79	77	76	69	85	
700	0.625	86	87	86	80	77	76	74	67	84	
	0.125	92	93	91	87	85	83	82	78	91	
	0.250	92	93	90	86	84	82	81	77	90	
	0.375	91	92	90	85	83	81	80	75	89	
	0.500	90	91	89	84	81	80	78	73	88	
	0.625	88	90	88	83	80	78	77	71	87	
750	0.750	87	89	87	82	79	77	75	69	86	
	0.500	92	93	91	87	84	82	81	76	91	
	0.625	90	92	90	87	83	81	80	75	90	
800	0.750	89	91	90	86	82	80	79	73	89	
	1.000	90	92	90	87	82	80	79	73	89	

100 ASP/ASP-T

RPM	SP	Sound Power re 10 ⁻¹² Watts								L _{woA}
		Octave Bands								
		1	2	3	4	5	6	7	8	
400	0.125	63	59	57	56	53	52	48	44	59
500	0.125	71	66	64	65	61	61	58	54	68
600	0.125	80	72	69	69	68	67	65	62	74
	0.25	78	70	68	66	64	62	60	56	70
700	0.125	86	77	74	73	72	70	69	66	78
	0.25	85	76	72	71	70	68	66	63	76
	0.375	84	74	71	69	67	65	63	59	73
800	0.125	92	81	77	76	76	74	73	70	81
	0.25	91	81	76	75	75	73	72	69	81
	0.375	91	79	75	74	73	70	69	65	78
	0.5	89	78	74	73	71	68	67	63	76
900	0.125	97	84	80	78	79	76	76	73	84
	0.25	96	84	80	78	78	76	75	72	84
	0.375	96	83	79	77	77	74	74	71	83
	0.5	96	82	77	76	76	72	72	68	81
	0.625	94	82	77	76	74	70	70	66	80
1000	0.25	100	87	82	80	81	78	78	75	87
	0.375	100	87	82	80	81	78	78	75	86
	0.5	100	86	81	79	79	76	76	73	85
	0.625	99	86	80	79	78	74	74	70	84
	0.75	98	85	80	78	77	73	73	69	83
1100	0.75	101	90	83	81	80	77	76	73	86
	1	99	89	82	80	78	75	74	71	84

150 ASP/ASP-T

RPM	SP	Sound Power re 10 ⁻¹² Watts								L _{woA}
		Octave Bands								
		1	2	3	4	5	6	7	8	
300	0.000	68	65	62	61	60	58	55	52	65
	0.125	62	60	57	55	54	50	44	38	58
400	0.000	74	73	69	67	67	65	62	59	72
	0.125	72	70	66	65	64	63	58	53	70
500	0.000	81	78	75	72	72	71	68	65	78
	0.125	80	76	73	71	70	70	66	61	76
	0.250	77	74	71	69	68	67	63	58	74
600	0.000	87	83	80	77	76	75	73	70	82
	0.125	86	82	79	76	75	74	72	67	81
	0.250	85	80	77	75	74	73	70	65	80
	0.375	83	78	76	73	72	71	68	63	78
	0.500	81	77	75	72	70	69	65	59	76
700	0.000	91	86	85	81	79	79	77	74	86
	0.125	91	86	83	80	79	78	76	72	85
	0.250	91	85	82	79	78	78	76	71	84
	0.375	90	83	81	78	77	77	75	70	83
	0.500	88	82	80	77	76	75	73	67	82
	0.625	86	81	79	76	74	73	70	65	80
800	0.500	94	87	85	82	80	80	78	73	86
	0.625	93	86	84	81	79	78	77	72	85
	0.750	91	85	83	80	78	77	75	70	84



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