

# UVS2

Utility Vent Set

## TECHNICAL SPECIFICATIONS



PENNBARRY™

BULLETIN UVS2 23

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# INTRODUCTION

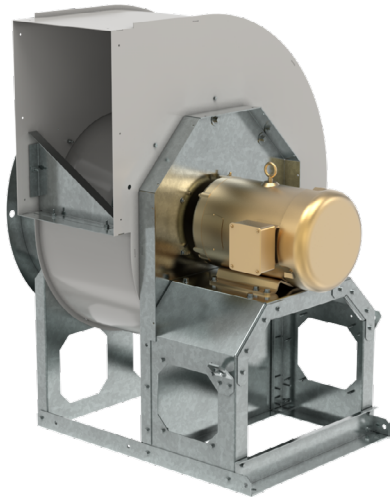
PennBarry products are backed by extensive research and testing in AMCA Accredited facilities. These tests assure the customer that PennBarry products are of the highest quality in design, construction and performance. Before leaving the plant, each fan is carefully subjected to a test at the field operating rpm. Dynamic balancing is performed by experienced personnel using electronic equipment to ensure smooth and trouble-free operation.

## Commercial/Light Industrial

The wide range of volume capacities of the UVS Series 2 fans make them excellent for use in hotels, office buildings, manufacturing plants, and hospitals. ECM, Permanent Magnet, and Premium Efficient Induction motors used with Speed Control Devices make it easy to adjust the airflow for the greatest comfort and efficiency.

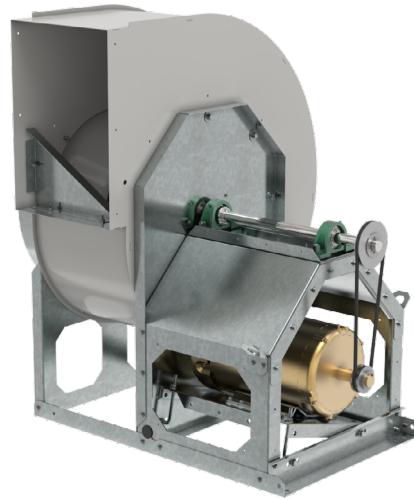
### Direct Drive

**Model: UVS2** - Static pressure up to 7.5" w.g. Direct Drive - Flow capacity up to 23,000 CFM



### Belt Drive

**Model: UVS2** - Static pressure up to 7.5" w.g. Belt Drive - Flow capacity up to 63,000 CFM



# CERTIFICATIONS & LISTINGS



## UVS2 AMCA Certifications

PennBarry certifies the UVS2 model 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 Rating Program.



## cUL<sub>US</sub> and UL Certification

UVS2 carries the UL label, 705 Power Ventilators (ZACT, ZACT7): File #E28413

UVS2 with UL762 Application option carries the UL762 Power Ventilators for Restaurant Exhaust label, UL762 (YZHW/YZHW7), file #MH10684



UVS2 with Heat and Smoke application option carries the UL Power Ventilators for Smoke Control System label, UL793 (ZAXH/ZAXH7), file #MH19473

# 060 CLASS 1 | BELT & DIRECT DRIVE - AIR PERFORMANCE

100% Width

Maximum RPM: 4400	Max BHP: (RPM/3577) <sup>^3</sup>	Outlet Area: 0.66 Sq.Ft.	Wheel Diameter: 10.5"	Tip Speed: 2.75 X RPM	Max Motor Frame Size: 145T
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RPM	Tip Speed	0.06"SP		0.13"SP		0.25"SP		0.5"SP		0.75"SP		1.38"SP		2"SP		2.75"SP		3.75"SP		5"SP		6"SP	
		CFM		CFM		CFM		CFM		CFM		CFM		CFM		CFM		CFM		CFM		CFM	
		BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI
550	1513	61																					
		0.01	0.39																				
1050	2888	162		145		112																	
		0.05	1.00	0.05	1.02	0.05	1.08																
1400	3850	225		214		190		136															
		0.07	0.83	0.08	0.86	0.08	0.94	0.08	1.03														
1750	4813	286		278		261		222		176													
		0.12	0.65	0.12	0.69	0.12	0.75	0.12	0.89	0.13	0.95												
2190	6023	362		355		343		316		283		188											
		0.20	0.48	0.20	0.50	0.21	0.55	0.22	0.65	0.21	0.76	0.23	0.84										
2500	6875	414		408		397		376		350		272		161									
		0.29	0.37	0.30	0.39	0.31	0.43	0.32	0.51	0.32	0.59	0.32	0.75	0.33	0.76								
3000	8250	499		494		485		467		449		391		324		225							
		0.50	0.26	0.51	0.28	0.52	0.31	0.54	0.37	0.56	0.42	0.55	0.56	0.55	0.65	0.60	0.65						
3450	9488	575		571		563		547		532		488		433		363		236					
		0.76	0.20	0.77	0.21	0.78	0.24	0.81	0.28	0.83	0.33	0.85	0.43	0.82	0.53	0.84	0.60	0.88	0.59				
3950	10863	659		656		649		635		621		586		544		485		404		253			
		1.13	0.15	1.14	0.16	1.16	0.18	1.20	0.22	1.23	0.25	1.27	0.33	1.26	0.41	1.23	0.50	1.28	0.55	1.30	0.54		
4400	12100	735		732		725		713		701		670		636		588		515		424		317	
		1.56	0.12	1.57	0.13	1.60	0.15	1.64	0.18	1.68	0.21	1.74	0.27	1.76	0.34	1.73	0.41	1.69	0.49	1.81	0.52	1.86	0.50

Performance certified is for installation type B-Free inlet, Ducted outlet. Power rating (BHP) does not include transmission losses. FEI calculation is based on default motor calculation in accordance with ANS/AMCA Standard 208. Performance ratings do not include the effects of appurtenances.

# 070 CLASS 1 | BELT & DIRECT DRIVE - AIR PERFORMANCE

100% Width

Maximum RPM: 4400	Max BHP: (RPM/3378) <sup>^3</sup>	Outlet Area: 0.66 Sq.Ft.	Wheel Diameter: 10.5"	Tip Speed: 2.75 X RPM	Max Motor Frame Size: 145T
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RPM	Tip Speed	0.06"SP		0.13"SP		0.25"SP		0.5"SP		0.75"SP		1.38"SP		2"SP		2.75"SP		3.75"SP		5"SP		6"SP	
		CFM		CFM		CFM		CFM		CFM		CFM		CFM		CFM		CFM		CFM		CFM	
		BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI
550	1513	115																					
		0.01	0.41																				
1050	2888	302		271		212																	
		0.03	1.35	0.04	1.27	0.04	1.37																
1400	3850	418		399		358		265															
		0.07	1.06	0.07	1.12	0.07	1.23	0.07	1.32														
1750	4813	531		515		487		426		348													
		0.13	0.79	0.13	0.84	0.13	0.97	0.12	1.19	0.13	1.21												
2190	6023	675		660		634		594		547		376											
		0.24	0.58	0.25	0.59	0.25	0.67	0.22	0.89	0.21	1.07	0.21	1.22										
2500	6875	771		758		736		700		662		540		370									
		0.38	0.44	0.40	0.44	0.40	0.50	0.35	0.68	0.31	0.88	0.35	0.98	0.34	1.05								
3000	8250	930		918		899		866		836		754		644		478							
		0.63	0.33	0.68	0.33	0.70	0.36	0.66	0.47	0.60	0.60	0.53	0.87	0.61	0.88	0.55	1.01						
3450	9488	1073		1062		1044		1014		987		920		842		722		525					
		0.93	0.27	1.00	0.27	1.06	0.29	1.05	0.35	0.98	0.44	0.82	0.68	0.82	0.82	0.93	0.82	0.86	0.91				
3950	10863	1232		1222		1205		1176		1151		1094		1034		948		804		583			
		1.36	0.22	1.46	0.22	1.56	0.24	1.60	0.28	1.55	0.33	1.34	0.51	1.21	0.68	1.26	0.77	1.40	0.78	1.33	0.83		
4400	12100	1374		1365		1349		1322		1298		1246		1194		1126		1017		845		687	
		1.84	0.19	1.97	0.19	2.11	0.20	2.21	0.23	2.19	0.27	1.97	0.40	1.76	0.54	1.65	0.69	1.82	0.74	1.87	0.79	1.75	0.84

Performance certified is for installation type B-Free inlet, Ducted outlet. Power rating (BHP) does not include transmission losses. FEI calculation is based on default motor calculation in accordance with ANS/AMCA Standard 208. Performance ratings do not include the effects of appurtenances.

# 080 CLASS 1 | BELT & DIRECT DRIVE - AIR PERFORMANCE

100% Width

Maximum RPM: 4400		Max BHP: (RPM/3488) <sup>^3</sup>				Outlet Area: 0.66 Sq.Ft.				Wheel Diameter: 10.5"				Tip Speed: 2.75 X RPM				Max Motor Frame Size: 145T																					
RPM	Tip Speed	0.06"SP		0.13"SP		0.25"SP		0.5"SP		0.75"SP		1.38"SP		2"SP		2.75"SP		3.75"SP		5"SP		6"SP																	
		CFM		CFM		CFM		CFM		CFM		CFM		CFM		CFM		CFM		CFM		CFM																	
		BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI																
550	1513	155																																					
		0.01	0.43																																				
1050	2888	386		355		279																																	
		0.04	1.39	0.05	1.36	0.05	1.41																																
1400	3850	534		511		464		348																															
		0.07	1.27	0.07	1.30	0.08	1.29	0.07	1.48																														
1750	4813	682		661		624		548		453																													
		0.11	1.05	0.11	1.11	0.12	1.14	0.14	1.24	0.12	1.47																												
2190	6023	867		848		816		757		697		497																											
		0.21	0.79	0.20	0.87	0.20	0.94	0.24	1.00	0.24	1.11	0.23	1.31																										
2500	6875	995		977		948		896		843		698		496																									
		0.29	0.68	0.27	0.78	0.27	0.85	0.33	0.87	0.37	0.91	0.32	1.26	0.35	1.20																								
3000	8250	1201		1184		1158		1113		1070		960		833		632																							
		0.52	0.51	0.48	0.58	0.45	0.67	0.50	0.74	0.58	0.75	0.63	0.89	0.55	1.15	0.61	1.09																						
3450	9488	1386		1371		1346		1304		1267		1172		1075		935		699																					
		0.82	0.41	0.75	0.47	0.69	0.55	0.72	0.63	0.80	0.67	0.96	0.73	0.94	0.88	0.83	1.11	0.93	1.03																				
3950	10863	1591		1577		1553		1515		1481		1399		1315		1213		1043		782																			
		1.27	0.33	1.17	0.38	1.07	0.45	1.04	0.54	1.11	0.58	1.34	0.64	1.45	0.71	1.38	0.86	1.24	1.07	1.38	0.98																		
4400	12100	1775		1762		1740		1703		1671		1597		1523		1433		1305		1100		911																	
		1.79	0.29	1.66	0.32	1.51	0.38	1.43	0.47	1.47	0.52	1.72	0.58	1.94	0.62	2.01	0.71	1.84	0.90	1.75	1.03	1.93	0.94																

Performance certified is for installation type B-Free inlet, Ducted outlet. Power rating (BHP) does not include transmission losses. FEI calculation is based on default motor calculation in accordance with ANS/AMCA Standard 208. Performance ratings do not include the effects of appurtenances.

# 105 CLASS 1 | BELT & DIRECT DRIVE - AIR PERFORMANCE

100% Width

Maximum RPM: 4400		Max BHP: (RPM/3378) <sup>^3</sup>				Outlet Area: 0.66 Sq.Ft.				Wheel Diameter: 10.5"				Tip Speed: 2.75 X RPM				Max Motor Frame Size: 145T																					
RPM	Tip Speed	0"SP		0.25"SP		0.5"SP		0.75"SP		1.1"SP		1.75"SP		2.25"SP		3.25"SP		4.25"SP		5.5"SP		6.75"SP																	
		CFM		CFM		CFM		CFM		CFM		CFM		CFM		CFM		CFM		CFM		CFM																	
		BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI																
500	1375	189																																					
		0.01	0.42																																				
1050	2888	526		400																																			
		0.05	1.28	0.05	1.52																																		
1400	3850	788		659		508		285																															
		0.08	1.37	0.09	1.49	0.10	1.53	0.21	0.78																														
1750	4813	995		894		785		662		395																													
		0.13	1.19	0.15	1.28	0.16	1.40	0.17	1.43	0.21	1.08																												
2190	6023	1255		1176		1093		1005		870		480																											
		0.23	0.99	0.27	1.07	0.28	1.18	0.29	1.26	0.31	1.31	0.43	0.90																										
2500	6875	1436		1366		1293		1217		1108		863		542																									
		0.33	0.87	0.40	0.90	0.41	1.02	0.42	1.12	0.45	1.19	0.43	1.33	0.43	1.16																								
3000	8250	1724		1664		1606		1544		1455		1285		1132		642																							
		0.57	0.72	0.68	0.74	0.71	0.82	0.71	0.91	0.72	1.02	0.79	1.10	0.79	1.16	0.74	1.06																						
3450	9488	1982		1930		1880		1828		1752		1608		1493		1218		773																					
		0.87	0.63	1.01	0.65	1.06	0.70	1.08	0.77	1.08	0.87	1.13	0.99	1.19	1.04	1.15	1.16	1.13	1.03																				
3950	10863	2269		2223		2179		2135		2071		1946		1849		1645		1397		927																			
		1.30	0.56	1.48	0.58	1.56	0.62	1.60	0.67	1.62	0.74	1.63	0.88	1.68	0.94	1.82	1.00	1.73	1.11	1.66	1.02																		
4400	12100	2528		2486		2447		2407		2351		2241		2154		1979		1789		1498		1069																	
		1.80	0.52	2.01	0.53	2.12	0.56	2.19	0.60	2.23	0.66	2.24	0.78	2.26	0.85	2.40	0.94	2.53	0.98	2.31	1.12	2.24	1.02																

Performance certified is for installation type B-Free inlet, Ducted outlet. Power rating (BHP) does not include transmission losses. FEI calculation is based on default motor calculation in accordance with ANS/AMCA Standard 208. Performance ratings do not include the effects of appurtenances.

# 122 CLASS 1 | BELT & DIRECT DRIVE - AIR PERFORMANCE

100% Width

Maximum RPM: 3550	Max BHP: (RPM/2552) <sup>^3</sup>	Outlet Area: 0.9 Sq.Ft.	Wheel Diameter: 12.25"	Tip Speed: 3.21 X RPM	Max Motor Frame Size: 182T
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RPM	Tip Speed	0.06"SP		0.25"SP		0.5"SP		1"SP		1.75"SP		2.25"SP		2.75"SP		3.5"SP		4.5"SP		6"SP		7.5"SP																	
		CFM		CFM		CFM		CFM		CFM		CFM		CFM		CFM		CFM		CFM		CFM																	
		BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI																
500	1605	348																																					
		0.01	0.54																																				
1050	3371	908		787		594																																	
		0.06	1.75	0.07	1.86	0.07	1.94																																
1400	4494	1257		1170		1051		729																															
		0.14	1.34	0.16	1.48	0.17	1.63	0.17	1.74																														
1750	5618	1602		1533		1441		1245		751																													
		0.28	1.04	0.29	1.17	0.31	1.31	0.33	1.52	0.30	1.59																												
2000	6420	1843		1780		1702		1536		1226		907																											
		0.42	0.88	0.43	1.00	0.45	1.14	0.48	1.34	0.49	1.54	0.46	1.53																										
2200	7062	2036		1976		1906		1757		1513		1293		974																									
		0.56	0.78	0.57	0.90	0.59	1.02	0.63	1.22	0.64	1.45	0.63	1.53	0.60	1.49																								
2500	8025	2322		2265		2206		2076		1878		1728		1538		1153																							
		0.83	0.68	0.82	0.79	0.84	0.90	0.90	1.06	0.94	1.27	0.93	1.41	0.92	1.48	0.89	1.45																						
2800	8988	2606		2552		2497		2387		2206		2090		1957		1704		1200																					
		1.17	0.61	1.16	0.70	1.17	0.79	1.23	0.95	1.31	1.12	1.32	1.24	1.31	1.35	1.30	1.44	1.18	1.42																				
3200	10272	2983		2933		2882		2790		2634		2529		2428		2260		1970		1260																			
		1.75	0.54	1.72	0.61	1.73	0.69	1.79	0.83	1.90	0.97	1.95	1.06	1.97	1.16	1.96	1.29	1.93	1.39	1.63	1.40																		
3550	11396	3314		3266		3217		3134		2999		2903		2809		2672		2463		2049		1283																	
		2.39	0.49	2.36	0.55	2.36	0.62	2.40	0.74	2.53	0.88	2.61	0.95	2.66	1.03	2.69	1.14	2.67	1.28	2.65	1.37	2.06	1.39																

80% Width

Maximum RPM: 3550	Max BHP: (RPM/2726) <sup>^3</sup>	Outlet Area: 0.84 Sq.Ft.	Wheel Diameter: 12.25"	Tip Speed: 3.21 X RPM	Max Motor Frame Size: 182T
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RPM	Tip Speed	0.06"SP		0.25"SP		0.5"SP		1"SP		1.75"SP		2.25"SP		2.75"SP		3.5"SP		4.5"SP		5.75"SP		7.2"SP																	
		CFM		CFM		CFM		CFM		CFM		CFM		CFM		CFM		CFM		CFM		CFM																	
		BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI																
550	1766	360																																					
		0.01	0.55																																				
1050	3371	793		684		482																																	
		0.05	1.80	0.06	1.90	0.06	1.89																																
1400	4494	1095		1009		902		581																															
		0.11	1.47	0.12	1.60	0.14	1.69	0.15	1.69																														
1750	5618	1386		1323		1236		1052		542																													
		0.20	1.16	0.21	1.33	0.24	1.42	0.27	1.60	0.16	2.10																												
2000	6420	1591		1532		1460		1305		1012		684																											
		0.30	1.00	0.30	1.17	0.34	1.27	0.39	1.39	0.39	1.60	0.38	1.47																										
2200	7062	1754		1699		1634		1495		1262		1055		722																									
		0.40	0.89	0.40	1.05	0.43	1.16	0.51	1.27	0.52	1.50	0.53	1.53	0.49	1.42																								
2500	8025	1999		1947		1891		1771		1583		1437		1260		869																							
		0.59	0.77	0.58	0.91	0.60	1.03	0.70	1.14	0.77	1.30	0.76	1.43	0.76	1.49	0.75	1.35																						
2800	8988	2243		2195		2143		2040		1874		1760		1630		1393		876																					
		0.84	0.68	0.81	0.80	0.83	0.91	0.93	1.04	1.06	1.16	1.09	1.26	1.08	1.37	1.07	1.44	0.98	1.32																				
3200	10272	2568		2524		2476		2388		2245		2148		2050		1886		1614		1101																			
		1.25	0.60	1.21	0.69	1.22	0.79	1.30	0.93	1.49	1.03	1.58	1.10	1.62	1.18	1.61	1.31	1.60	1.39	1.57	1.26																		
3550	11396	2852		2811		2766		2686		2561		2474		2387		2253		2049		1733		1136																	
		1.72	0.54	1.66	0.62	1.65	0.71	1.73	0.84	1.93	0.95	2.06	1.01	2.15	1.07	2.21	1.16	2.19	1.30	2.20	1.35	2.04	1.23																

Performance certified is for installation type B-Free inlet, Ducted outlet. Power rating (BHP) does not include transmission losses. FEI calculation is based on default motor calculation in accordance with ANS/AMCA Standard 208. Performance ratings do not include the effects of appurtenances.



# 135 CLASS 1 | BELT & DIRECT DRIVE - AIR PERFORMANCE

100% Width

Maximum RPM: 3222		Max BHP: (RPM/2171) <sup>^3</sup>				Outlet Area: 1.09 Sq.Ft.				Wheel Diameter: 13.5"				Tip Speed: 2.53 X RPM				Max Motor Frame Size: 182T					
RPM	Tip Speed	0.06"SP		0.75"SP		1.25"SP		1.62"SP		2"SP		2.75"SP		3.25"SP		4.25"SP		5.5"SP		6.5"SP		7.5"SP	
		CFM		CFM		CFM		CFM		CFM		CFM		CFM		CFM		CFM		CFM		CFM	
		BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI
400	1412	346																					
		0.01	0.54																				
1050	3707	1234		609																			
		0.10	1.61	0.11	1.79																		
1400	4942	1699		1335		949																	
		0.23	1.19	0.28	1.57	0.27	1.63																
1750	6178	2155		1872		1654		1437		1165													
		0.45	0.91	0.51	1.27	0.53	1.45	0.53	1.52	0.52	1.52												
2000	7060	2477		2230		2048		1902		1718		1197											
		0.69	0.77	0.75	1.11	0.78	1.28	0.78	1.39	0.78	1.48	0.74	1.45										
2200	7766	2733		2510		2341		2220		2083		1726		1400									
		0.92	0.69	0.97	1.01	1.03	1.15	1.04	1.26	1.04	1.37	1.02	1.47	1.00	1.43								
2500	8825	3113		2915		2768		2658		2549		2307		2098		1544							
		1.35	0.61	1.39	0.88	1.47	1.01	1.51	1.09	1.53	1.18	1.51	1.35	1.50	1.41	1.44	1.38						
2800	9884	3492		3310		3185		3086		2986		2793		2648		2281		1569					
		1.90	0.55	1.92	0.78	2.00	0.90	2.07	0.97	2.12	1.04	2.15	1.19	2.14	1.28	2.11	1.38	1.88	1.36				
3000	10590	3745		3570		3458		3367		3272		3090		2969		2672		2196		1458			
		2.34	0.52	2.34	0.73	2.43	0.84	2.50	0.91	2.57	0.97	2.63	1.10	2.64	1.18	2.60	1.32	2.60	1.36	2.03	1.38		
3222	11374	4025		3857		3755		3674		3585		3413		3302		3062		2669		2294		1563	
		2.91	0.49	2.89	0.67	2.97	0.78	3.05	0.85	3.13	0.91	3.24	1.02	3.27	1.09	3.26	1.23	3.21	1.34	3.22	1.33	2.51	1.36

80% Width

Maximum RPM: 3222		Max BHP: (RPM/2304) <sup>^3</sup>				Outlet Area: 1.02 Sq.Ft.				Wheel Diameter: 13.5"				Tip Speed: 3.53 X RPM				Max Motor Frame Size: 182T					
RPM	Tip Speed	0.06"SP		0.75"SP		1.25"SP		1.62"SP		2"SP		2.75"SP		3.25"SP		4.25"SP		5.5"SP		6.25"SP		7.2"SP	
		CFM		CFM		CFM		CFM		CFM		CFM		CFM		CFM		CFM		CFM		CFM	
		BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI
450	1589	375																					
		0.01	0.56																				
1050	3707	1078		493																			
		0.08	1.70	0.10	1.77																		
1400	4942	1472		1135		759																	
		0.17	1.31	0.22	1.64	0.24	1.57																
1750	6178	1861		1599		1390		1190		914													
		0.33	1.03	0.41	1.33	0.43	1.51	0.42	1.59	0.44	1.46												
2000	7060	2134		1906		1734		1594		1419		892											
		0.49	0.87	0.58	1.19	0.64	1.31	0.64	1.43	0.63	1.51	0.61	1.37										
2200	7766	2352		2145		1990		1873		1739		1403		1068									
		0.65	0.78	0.73	1.10	0.83	1.19	0.85	1.29	0.85	1.39	0.86	1.45	0.86	1.32								
2500	8825	2679		2494		2361		2259		2154		1917		1723		1164							
		0.97	0.68	1.01	0.99	1.14	1.07	1.21	1.13	1.25	1.21	1.24	1.37	1.23	1.41	1.23	1.27						
2800	9884	3006		2837		2721		2631		2538		2351		2210		1865		1133					
		1.36	0.60	1.38	0.89	1.51	0.98	1.62	1.03	1.70	1.08	1.76	1.21	1.75	1.29	1.74	1.37	1.56	1.24				
3000	10590	3223		3062		2957		2874		2787		2616		2496		2211		1759		1280			
		1.68	0.57	1.67	0.83	1.80	0.93	1.92	0.98	2.03	1.02	2.15	1.12	2.17	1.20	2.13	1.34	2.22	1.29	1.99	1.22		
3222	11374	3464		3311		3214		3139		3059		2899		2792		2557		2188		1927		1383	
		2.09	0.53	2.04	0.77	2.17	0.87	2.30	0.93	2.42	0.97	2.61	1.05	2.67	1.11	2.67	1.25	2.65	1.34	2.74	1.29	2.48	1.20

Performance certified is for installation type B-Free inlet, Ducted outlet. Power rating (BHP) does not include transmission losses. FEI calculation is based on default motor calculation in accordance with ANS/AMCA Standard 208. Performance ratings do not include the effects of appurtenances.

# 150 CLASS 1 | BELT & DIRECT DRIVE - AIR PERFORMANCE

100% Width

Maximum RPM: 2900		Max BHP: (RPM/1821) <sup>^3</sup>				Outlet Area: 1.33 Sq.Ft.				Wheel Diameter: 15"				Tip Speed: 3.93 X RPM				Max Motor Frame Size: 184T					
RPM	Tip Speed	0.06"SP		0.5"SP		0.75"SP		1.5"SP		2"SP		2.5"SP		3.5"SP		4.25"SP		5"SP		6"SP		7.5"SP	
		CFM		CFM		CFM		CFM		CFM		CFM		CFM		CFM		CFM		CFM		CFM	
		BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI
350	1376	407																					
		0.01	0.88																				
1050	4127	1715																					
		0.17	1.44	0.20	1.68	0.20	1.72																
1400	5502	2351																					
		0.39	1.04	0.44	1.30	0.46	1.41	0.46	1.53														
1600	6288	2705																					
		0.59	0.88	0.64	1.13	0.66	1.23	0.69	1.47	0.68	1.48												
1750	6878	2970																					
		0.78	0.79	0.82	1.02	0.85	1.13	0.89	1.37	0.88	1.47	0.87	1.43										
2000	7860	3409																					
		1.17	0.68	1.19	0.90	1.23	0.99	1.32	1.19	1.32	1.33	1.30	1.43	1.12	1.42								
2200	8646	3756																					
		1.56	0.62	1.56	0.81	1.61	0.89	1.74	1.08	1.76	1.20	1.75	1.31	1.74	1.40	1.46	1.39						
2400	9432	4103																					
		2.03	0.57	2.02	0.74	2.06	0.82	2.21	0.99	2.27	1.09	2.29	1.19	2.25	1.36	2.25	1.37	1.99	1.35				
2600	10218	4450																					
		2.58	0.53	2.56	0.68	2.59	0.75	2.76	0.91	2.85	1.00	2.90	1.09	2.89	1.26	2.86	1.34	2.87	1.35	2.29	1.35		
2900	11397	4970																					
		3.59	0.49	3.54	0.61	3.56	0.67	3.73	0.82	3.86	0.90	3.96	0.97	4.04	1.12	4.02	1.22	3.97	1.30	3.97	1.33	3.10	1.33

80% Width

Maximum RPM: 2900		Max BHP: (RPM/1945) <sup>^3</sup>				Outlet Area: 1.25 Sq.Ft.				Wheel Diameter: 15"				Tip Speed: 3.93 X RPM				Max Motor Frame Size: 184T					
RPM	Tip Speed	0.06"SP		0.75"SP		1.5"SP		2"SP		2.5"SP		3.25"SP		4"SP		4.5"SP		5"SP		5.75"SP		7.2"SP	
		CFM		CFM		CFM		CFM		CFM		CFM		CFM		CFM		CFM		CFM		CFM	
		BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI
350	1376	360																					
		0.01	0.55																				
1050	4127	1499																					
		0.13	1.56	0.16	1.79																		
1400	5502	2032																					
		0.29	1.15	0.37	1.46	0.39	1.52																
1600	6288	2335																					
		0.42	0.99	0.53	1.29	0.55	1.53	0.57	1.43														
1750	6878	2560																					
		0.55	0.89	0.66	1.20	0.73	1.41	0.72	1.49	0.74	1.35												
2000	7860	2934																					
		0.83	0.76	0.92	1.08	1.08	1.22	1.08	1.35	1.07	1.43	1.11	1.29										
2200	8646	3233																					
		1.11	0.69	1.18	0.99	1.39	1.12	1.45	1.22	1.44	1.33	1.43	1.39	1.45	1.25								
2400	9432	3532																					
		1.45	0.63	1.49	0.92	1.74	1.04	1.85	1.12	1.88	1.21	1.85	1.34	1.88	1.35	1.94	1.27	1.65	1.22				
2600	10218	3830																					
		1.85	0.58	1.85	0.85	2.12	0.98	2.28	1.04	2.37	1.11	2.39	1.23	2.35	1.33	2.36	1.34	2.43	1.29	2.26	1.19		
2900	11397	4277																					
		2.58	0.53	2.52	0.76	2.78	0.90	2.99	0.96	3.16	1.01	3.30	1.10	3.31	1.20	3.28	1.26	3.26	1.30	3.30	1.31	3.06	1.17

Performance certified is for installation type B-Free inlet, Ducted outlet. Power rating (BHP) does not include transmission losses. FEI calculation is based on default motor calculation in accordance with ANS/AMCA Standard 208. Performance ratings do not include the effects of appurtenances.

# 165 CLASS 1 | BELT & DIRECT DRIVE - AIR PERFORMANCE

100% Width

Maximum RPM: 2636		Max BHP: (RPM/1553) <sup>^3</sup>		Outlet Area: 1.62 Sq.Ft.		Wheel Diameter: 16.5"		Tip Speed: 4.32 X RPM		Max Motor Frame Size: 184T													
RPM	Tip Speed	0.06"SP		0.5"SP		0.75"SP		1.5"SP		2"SP		2.5"SP		3.5"SP		4.25"SP		5"SP		6"SP		7.5"SP	
		BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI
350	1512	576																					
		0.02	1.83																				
800	3456	1698		1152																			
		0.12	1.69	0.15	1.83																		
1050	4536	2307		1936		1688																	
		0.27	1.28	0.31	1.54	0.32	1.61																
1200	5184	2670		2349		2159		1244															
		0.39	1.09	0.45	1.36	0.47	1.46	0.43	1.50														
1400	6048	3144		2874		2712		2144		1549													
		0.63	0.90	0.69	1.16	0.72	1.26	0.75	1.46	0.70	1.44												
1750	7560	3967		3744		3621		3240		2952		2590											
		1.27	0.69	1.31	0.91	1.35	1.00	1.42	1.23	1.42	1.36	1.40	1.44										
2000	8640	4545		4345		4243		3904		3685		3442		2788		1929							
		1.89	0.61	1.89	0.80	1.94	0.88	2.10	1.06	2.13	1.18	2.12	1.30	2.10	1.38	1.77	1.36						
2200	9504	5007		4817		4727		4425		4221		4021		3528		3057		2366					
		2.51	0.55	2.50	0.72	2.55	0.80	2.74	0.97	2.82	1.06	2.84	1.17	2.79	1.33	2.79	1.35	2.60	1.31				
2400	10368	5468		5286		5204		4936		4745		4561		4174		3803		3370		2511			
		3.27	0.51	3.24	0.66	3.28	0.73	3.48	0.89	3.60	0.97	3.67	1.06	3.67	1.23	3.62	1.32	3.63	1.33	3.30	1.29		
2636	11388	6013		5838		5761		5528		5355		5182		4848		4574		4240		3719		2332	
		4.34	0.48	4.28	0.60	4.31	0.66	4.51	0.81	4.67	0.89	4.79	0.96	4.89	1.11	4.86	1.21	4.81	1.29	4.80	1.31	3.75	1.30

80% Width

Maximum RPM: 2636		Max BHP: (RPM/1656) <sup>^3</sup>		Outlet Area: 1.52 Sq.Ft.		Wheel Diameter: 16.25"		Tip Speed: 4.25 X RPM		Max Motor Frame Size: 184T													
RPM	Tip Speed	0.06"SP		0.75"SP		1.38"SP		2"SP		2.25"SP		3"SP		4"SP		4.5"SP		5"SP		6"SP		7.2"SP	
		BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI
350	1488	519																					
		0.01	1.53																				
800	3400	1482																					
		0.10	1.77																				
1050	4463	2008		1424																			
		0.20	1.40	0.25	1.70																		
1200	5100	2309		1839		1186																	
		0.29	1.21	0.38	1.52	0.40	1.46																
1400	5950	2716		2315		1886		1170															
		0.45	1.03	0.58	1.31	0.59	1.53	0.58	1.36														
1750	7438	3415		3096		2795		2458		2293		1653											
		0.90	0.78	1.02	1.10	1.16	1.22	1.16	1.38	1.15	1.42	1.20	1.28										
2000	8500	3912		3631		3371		3109		2994		2584		1789									
		1.35	0.67	1.43	0.98	1.65	1.08	1.75	1.20	1.75	1.26	1.72	1.37	1.76	1.22								
2200	9350	4310		4049		3818		3582		3486		3168		2628		2294		1747					
		1.80	0.61	1.84	0.90	2.10	1.01	2.28	1.09	2.32	1.14	2.32	1.27	2.32	1.33	2.40	1.26	2.17	1.19				
2400	10200	4707		4462		4256		4040		3953		3686		3260		3007		2731		1832			
		2.34	0.56	2.34	0.82	2.61	0.94	2.86	1.01	2.94	1.05	3.03	1.16	2.98	1.30	2.98	1.32	3.05	1.29	2.74	1.17		
2636	11203	5175		4945		4762		4569		4489		4251		3913		3718		3502		3016		2064	
		3.12	0.52	3.05	0.75	3.31	0.87	3.62	0.94	3.73	0.97	3.95	1.05	4.01	1.18	3.97	1.24	3.94	1.29	4.03	1.27	3.70	1.14

Performance certified is for installation type B-Free inlet, Ducted outlet. Power rating (BHP) does not include transmission losses. FEI calculation is based on default motor calculation in accordance with ANS/AMCA Standard 208. Performance ratings do not include the effects of appurtenances.

# 182 CLASS 1 | BELT & DIRECT DRIVE - AIR PERFORMANCE

100% Width

Maximum RPM: 2300	Max BHP: (RPM/1296) <sup>^3</sup>	Outlet Area: 1.96 Sq.Ft.	Wheel Diameter: 18.25"	Tip Speed: 4.78 X RPM	Max Motor Frame Size: 215T
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RPM	Tip Speed	0.25"SP		0.5"SP		1"SP		1.38"SP		2.25"SP		3"SP		4"SP		4.5"SP		5"SP		5.25"SP		7"SP	
		CFM		CFM		CFM		CFM		CFM		CFM		CFM		CFM		CFM		CFM		CFM	
		BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI
500	2390	946																					
		0.09	1.79																				
550	2629	1181																					
		0.11	1.77																				
750	3585	2006																					
		0.23	1.55	0.23	1.65																		
950	4541	2717																					
		0.37	1.40	0.40	1.50	0.40	1.63																
1050	5019	3059																					
		0.46	1.32	0.50	1.42	0.54	1.58	0.50	1.58														
1300	6214	3899																					
		0.82	1.08	0.87	1.19	0.99	1.32	1.01	1.43	0.85	1.49												
1500	7170	4556																					
		1.24	0.92	1.29	1.03	1.44	1.17	1.52	1.25	1.53	1.42	1.31	1.43										
1750	8365	5369																					
		1.97	0.78	2.00	0.88	2.17	1.02	2.30	1.09	2.46	1.25	2.43	1.36	2.15	1.38								
2000	9560	6176																					
		2.95	0.68	2.96	0.77	3.11	0.91	3.27	0.98	3.56	1.11	3.67	1.22	3.62	1.33	3.54	1.35	3.38	1.34	3.19	1.34		
2300	10994	7140																					
		4.51	0.60	4.48	0.67	4.59	0.80	4.75	0.87	5.16	0.99	5.42	1.07	5.58	1.19	5.59	1.24	5.55	1.28	5.51	1.30	4.78	1.31

80% Width

Maximum RPM: 2300	Max BHP: (RPM/1386) <sup>^3</sup>	Outlet Area: 1.82 Sq.Ft.	Wheel Diameter: 18.25"	Tip Speed: 4.78 X RPM	Max Motor Frame Size: 215T
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RPM	Tip Speed	0.25"SP		0.5"SP		1"SP		2"SP		2.25"SP		2.75"SP		3.25"SP		3.75"SP		5"SP		5.25"SP		7"SP	
		CFM		CFM		CFM		CFM		CFM		CFM		CFM		CFM		CFM		CFM		CFM	
		BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI
500	2390	738																					
		0.06	1.90																				
550	2629	971																					
		0.07	2.02																				
750	3585	1681																					
		0.17	1.67	0.18	1.73																		
950	4541	2316																					
		0.30	1.45	0.33	1.52	0.35	1.53																
1050	5019	2616																					
		0.39	1.32	0.42	1.42	0.46	1.50																
1300	6214	3333																					
		0.72	1.02	0.75	1.16	0.81	1.34	0.84	1.38														
1500	7170	3894																					
		1.09	0.87	1.15	0.97	1.18	1.19	1.29	1.35	1.27	1.37	1.26	1.30										
1750	8365	4588																					
		1.65	0.75	1.80	0.81	1.83	1.00	1.97	1.23	2.01	1.25	2.01	1.30	1.99	1.33	1.97	1.24						
2000	9560	5285																					
		2.46	0.65	2.52	0.74	2.65	0.88	2.87	1.08	2.91	1.12	2.95	1.20	2.98	1.25	3.00	1.27	2.85	1.22	2.61	1.17		
2300	10994	6114																					
		3.72	0.57	3.79	0.64	3.93	0.76	4.23	0.94	4.29	0.98	4.39	1.05	4.45	1.12	4.50	1.17	4.56	1.24	4.57	1.24	3.89	1.13

Performance certified is for installation type B-Free inlet, Ducted outlet. Power rating (BHP) does not include transmission losses. FEI calculation is based on default motor calculation in accordance with ANS/AMCA Standard 208. Performance ratings do not include the effects of appurtenances.

# 182 CLASS 1 | BELT & DIRECT DRIVE - AIR PERFORMANCE

50% Width

Maximum RPM: 2300		Max BHP: (RPM/1561) <sup>3</sup>		Outlet Area: 1.62 Sq.Ft.		Wheel Diameter: 18.25"		Tip Speed: 4.78 X RPM		Max Motor Frame Size: 215T													
RPM	Tip Speed	0.25"SP		0.38"SP		0.75"SP		1.25"SP		2"SP		2.5"SP		3"SP		3.5"SP		4.25"SP		5.25"SP		6.38"SP	
		CFM	FEI	CFM	FEI	CFM	FEI	CFM	FEI	CFM	FEI	CFM	FEI	CFM	FEI	CFM	FEI	CFM	FEI	CFM	FEI	CFM	FEI
500	2390	499																					
		0.04	1.84																				
750	3585	1116		983		515																	
		0.11	1.67	0.12	1.71	0.09	1.89																
950	4541	1573		1458		1129																	
		0.20	1.43	0.21	1.49	0.23	1.55																
1050	5019	1792		1688		1395		888															
		0.25	1.32	0.27	1.38	0.29	1.51	0.29	1.46														
1300	6214	2300		2223		1990		1658		980													
		0.46	1.02	0.48	1.09	0.51	1.26	0.55	1.35	0.51	1.33												
1500	7170	2696		2630		2433		2155		1703		1328											
		0.69	0.85	0.72	0.92	0.76	1.07	0.81	1.22	0.88	1.27	0.85	1.27										
1750	8365	3185		3128		2964		2730		2367		2108		1828		1459							
		1.08	0.71	1.11	0.76	1.18	0.90	1.24	1.05	1.32	1.18	1.38	1.21	1.41	1.20	1.32	1.20						
1900	9082	3476		3423		3274		3062		2732		2504		2262		2005		1457					
		1.37	0.64	1.40	0.69	1.48	0.81	1.56	0.96	1.64	1.11	1.70	1.16	1.77	1.18	1.80	1.18	1.61	1.17				
2100	10038	3863		3815		3680		3492		3197		2997		2790		2574		2228		1549			
		1.83	0.57	1.87	0.61	1.97	0.72	2.06	0.85	2.16	1.01	2.22	1.08	2.29	1.13	2.37	1.14	2.44	1.15	2.14	1.13		
2300	10994	4249		4204		4080		3911		3646		3465		3282		3094		2798		2372		1609	
		2.38	0.52	2.43	0.55	2.55	0.65	2.66	0.77	2.78	0.91	2.85	0.99	2.92	1.05	3.00	1.09	3.12	1.12	3.20	1.12	2.76	1.09

Performance certified is for installation type B-Free inlet, Ducted outlet. Power rating (BHP) does not include transmission losses. FEI calculation is based on default motor calculation in accordance with ANS/AMCA Standard 208. Performance ratings do not include the effects of appurtenances.

# 200 CLASS 1 | BELT & DIRECT DRIVE - AIR PERFORMANCE

100% Width

Maximum RPM: 2100	Max BHP: (RPM/1113) <sup>3</sup>	Outlet Area: 2.35 Sq.Ft.	Wheel Diameter: 20"	Tip Speed: 5.24 X RPM	Max Motor Frame Size: 215T
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RPM	Tip Speed	0.25"SP		0.38"SP		0.75"SP		1.25"SP		2"SP		2.5"SP		3.75"SP		4.5"SP		5.25"SP		6"SP		7"SP	
		CFM		CFM		CFM		CFM		CFM		CFM		CFM		CFM		CFM		CFM		CFM	
		BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI
500	2620	1408		951																			
		0.13	1.76	0.12	1.63																		
900	4716	3413		3255		2780		1786															
		0.48	1.36	0.50	1.42	0.55	1.54	0.49	1.56														
1150	6026	4525		4399		4041		3545		2404													
		0.90	1.11	0.93	1.17	1.04	1.28	1.10	1.42	1.01	1.49												
1300	6812	5175		5064		4745		4322		3568		2826											
		1.28	0.97	1.31	1.03	1.44	1.15	1.57	1.27	1.58	1.43	1.48	1.44										
1450	7598	5820		5719		5434		5052		4459		3967											
		1.77	0.85	1.79	0.92	1.92	1.05	2.10	1.15	2.21	1.31	2.19	1.39										
1600	8384	6461		6369		6110		5761		5244		4868		3534									
		2.38	0.77	2.39	0.83	2.51	0.96	2.72	1.06	2.94	1.20	2.97	1.28	2.78	1.37								
1750	9170	7099		7014		6777		6457		5985		5666		4686		3846							
		3.12	0.70	3.12	0.76	3.22	0.88	3.45	0.99	3.75	1.11	3.86	1.18	3.82	1.34	3.63	1.34						
1850	9694	7523		7442		7218		6915		6466		6169		5325		4661		3760					
		3.69	0.66	3.68	0.72	3.76	0.83	4.00	0.94	4.35	1.06	4.51	1.13	4.58	1.29	4.46	1.33	4.14	1.33				
1950	10218	7946		7869		7656		7369		6940		6659		5908		5352		4665		3710			
		4.33	0.63	4.31	0.68	4.38	0.79	4.61	0.90	5.00	1.01	5.20	1.08	5.38	1.23	5.32	1.30	5.16	1.33	4.67	1.31		
2100	11004	8580		8508		8308		8042		7643		7380		6716		6267		5740		5108		3933	
		5.42	0.59	5.39	0.63	5.43	0.74	5.64	0.84	6.08	0.95	6.33	1.01	6.69	1.15	6.72	1.23	6.64	1.29	6.47	1.31	5.77	1.30

80% Width

Maximum RPM: 2100	Max BHP: (RPM/1190) <sup>3</sup>	Outlet Area: 2.2 Sq.Ft.	Wheel Diameter: 20"	Tip Speed: 5.24 X RPM	Max Motor Frame Size: 215T
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RPM	Tip Speed	0.25"SP		0.38"SP		0.75"SP		1.25"SP		2"SP		2.5"SP		3.75"SP		4.5"SP		5.25"SP		6"SP		7"SP	
		CFM		CFM		CFM		CFM		CFM		CFM		CFM		CFM		CFM		CFM		CFM	
		BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI
500	2620	1155		720																			
		0.09	2.01	0.09	1.67																		
900	4716	2914		2758		2302		1378															
		0.39	1.39	0.42	1.42	0.45	1.53	0.43	1.43														
1150	6026	3867		3756		3420		2919		1799													
		0.79	1.04	0.81	1.12	0.86	1.29	0.93	1.38	0.88	1.32												
1300	6812	4423		4328		4032		3623		2852		2160											
		1.13	0.90	1.17	0.96	1.20	1.15	1.28	1.28	1.32	1.37	1.29	1.29										
1450	7598	4973		4888		4633		4261		3663		3160											
		1.54	0.80	1.61	0.84	1.65	1.01	1.70	1.18	1.83	1.29	1.81	1.34										
1600	8384	5521		5442		5221		4881		4379		3982		2693									
		2.01	0.73	2.13	0.76	2.22	0.89	2.22	1.07	2.39	1.21	2.45	1.26	2.40	1.23								
1750	9170	6073		5995		5786		5494		5035		4711		3719		2936							
		2.61	0.67	2.65	0.72	2.75	0.84	2.91	0.96	3.07	1.11	3.12	1.20	3.18	1.27	3.07	1.23						
1850	9694	6438		6362		6164		5891		5460		5164		4290		3666		2753					
		3.08	0.63	3.11	0.68	3.22	0.79	3.39	0.91	3.58	1.06	3.66	1.14	3.74	1.26	3.75	1.25	3.45	1.18				
1950	10218	6802		6729		6539		6283		5877		5601		4825		4267		3641		2568			
		3.60	0.60	3.63	0.64	3.75	0.75	3.92	0.87	4.15	1.00	4.25	1.08	4.36	1.22	4.40	1.25	4.36	1.23	3.81	1.14		
2100	11004	7347		7277		7098		6863		6491		6237		5566		5096		4573		3998		2676	
		4.48	0.56	4.52	0.60	4.64	0.69	4.82	0.80	5.09	0.93	5.22	1.01	5.41	1.16	5.46	1.21	5.49	1.23	5.47	1.22	4.69	1.11

Performance certified is for installation type B-Free inlet, Ducted outlet. Power rating (BHP) does not include transmission losses. FEI calculation is based on default motor calculation in accordance with ANS/AMCA Standard 208. Performance ratings do not include the effects of appurtenances.

# 200 CLASS 1 | BELT & DIRECT DRIVE - AIR PERFORMANCE

50% Width

Maximum RPM: 2100		Max BHP: (RPM/1340) <sup>^3</sup>		Outlet Area: 1.95 Sq.Ft.		Wheel Diameter: 20"		Tip Speed: 5.24 X RPM		Max Motor Frame Size: 215T													
RPM	Tip Speed	0.25"SP		0.63"SP		1"SP		1.5"SP		2"SP		2.75"SP		3.75"SP		4.5"SP		5"SP		5.5"SP		6.38"SP	
		CFM		CFM		CFM		CFM		CFM		CFM		CFM		CFM		CFM		CFM		CFM	
		BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI
500	2620	763																					
		0.07	1.85																				
900	4716	1985		1607		1175																	
		0.26	1.38	0.29	1.52	0.31	1.46																
1150	6026	2667		2380		2079		1635															
		0.51	1.05	0.55	1.23	0.59	1.34	0.63	1.33														
1300	6812	3059		2811		2549		2183		1777													
		0.72	0.90	0.78	1.07	0.82	1.20	0.87	1.28	0.91	1.27												
1450	7598	3448		3228		2997		2679		2342		1750											
		0.98	0.78	1.06	0.94	1.11	1.08	1.16	1.19	1.23	1.23	1.23	1.22										
1600	8384	3833		3636		3430		3146		2853		2379		1395									
		1.30	0.69	1.40	0.84	1.46	0.96	1.52	1.09	1.59	1.17	1.69	1.19	1.45	1.12								
1750	9170	4216		4036		3851		3594		3332		2921		2307									
		1.69	0.62	1.80	0.75	1.88	0.87	1.95	0.99	2.02	1.09	2.14	1.15	2.22	1.15								
1850	9694	4471		4300		4127		3886		3640		3260		2708		2213		1636					
		1.98	0.58	2.11	0.71	2.19	0.81	2.28	0.93	2.35	1.03	2.47	1.12	2.62	1.14	2.55	1.14	2.25	1.08				
1950	10218	4725		4562		4400		4173		3941		3585		3079		2665		2332		1806			
		2.31	0.55	2.45	0.66	2.55	0.76	2.64	0.88	2.72	0.98	2.84	1.08	3.02	1.13	3.08	1.13	2.99	1.12	2.66	1.09		
2100	11004	5106		4953		4803		4596		4382		4056		3604		3241		2987		2709		1943	
		2.86	0.51	3.02	0.61	3.14	0.70	3.26	0.81	3.35	0.90	3.47	1.01	3.65	1.09	3.80	1.11	3.85	1.11	3.82	1.11	3.32	1.07

Performance certified is for installation type B-Free inlet, Ducted outlet. Power rating (BHP) does not include transmission losses. FEI calculation is based on default motor calculation in accordance with ANS/AMCA Standard 208. Performance ratings do not include the effects of appurtenances.

# 222 CLASS 1 | BELT & DIRECT DRIVE - AIR PERFORMANCE

100% Width

Maximum RPM: 1888	Max BHP: (RPM/932) <sup>3</sup>	Outlet Area: 2.91 Sq.Ft.	Wheel Diameter: 22.25"	Tip Speed: 5.83 X RPM	Max Motor Frame Size: 215T
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RPM	Tip Speed	0.25"SP		0.63"SP		1"SP		1.5"SP		2"SP		2.75"SP		3.5"SP		4.5"SP		4.75"SP		6"SP		7.1"SP	
		CFM		CFM		CFM		CFM		CFM		CFM		CFM		CFM		CFM		CFM		CFM	
		BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI
410	2391	1406																					
		0.13	1.77																				
600	3498	2871																					
		0.31	1.55	0.31	1.58																		
750	4373	3855																					
		0.50	1.40	0.56	1.55	0.53	1.57																
900	5247	4785																					
		0.76	1.27	0.86	1.40	0.90	1.51	0.84	1.53														
1050	6122	5699																					
		1.16	1.08	1.30	1.22	1.40	1.32	1.43	1.45	1.34	1.47												
1200	6996	6592																					
		1.72	0.93	1.85	1.08	2.01	1.17	2.13	1.29	2.12	1.39	1.91	1.40										
1350	7871	7478																					
		2.44	0.82	2.55	0.97	2.74	1.06	2.94	1.16	3.04	1.26	2.99	1.37	2.71	1.36								
1500	8745	8359																					
		3.35	0.73	3.42	0.88	3.62	0.97	3.90	1.06	4.08	1.14	4.18	1.26	4.09	1.34	3.45	1.33						
1750	10203	9819																					
		5.34	0.63	5.35	0.75	5.52	0.84	5.85	0.93	6.16	1.00	6.49	1.10	6.63	1.20	6.55	1.29	6.49	1.31	5.72	1.30		
1888	11007	10621																					
		6.72	0.59	6.69	0.70	6.83	0.79	7.16	0.88	7.52	0.94	7.97	1.03	8.24	1.12	8.32	1.22	8.30	1.24	8.01	1.30	6.94	1.29

80% Width

Maximum RPM: 1888	Max BHP: (RPM/998) <sup>3</sup>	Outlet Area: 2.72 Sq.Ft.	Wheel Diameter: 22.25"	Tip Speed: 5.83 X RPM	Max Motor Frame Size: 215T
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RPM	Tip Speed	0.25"SP		0.38"SP		0.5"SP		1.5"SP		2"SP		2.75"SP		2.75"SP		3.5"SP		4.38"SP		6"SP		7"SP	
		CFM		CFM		CFM		CFM		CFM		CFM		CFM		CFM		CFM		CFM		CFM	
		BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI
410	2391	1096																					
		0.09	1.87																				
600	3498	2405																					
		0.24	1.68	0.24	1.72	0.25	1.70																
750	4373	3279																					
		0.40	1.46	0.44	1.47	0.44	1.53																
900	5247	4091																					
		0.65	1.23	0.67	1.30	0.70	1.35	0.74	1.37														
1050	6122	4872																					
		1.02	1.02	1.05	1.09	1.07	1.15	1.21	1.38	1.18	1.32												
1200	6996	5638																					
		1.47	0.89	1.53	0.93	1.57	0.99	1.75	1.29	1.77	1.33	1.49	1.28	1.49	1.28								
1350	7871	6394																					
		2.01	0.80	2.11	0.83	2.18	0.87	2.39	1.18	2.48	1.26	2.49	1.31	2.49	1.31	1.92	1.31						
1500	8745	7149																					
		2.81	0.70	2.85	0.75	2.89	0.79	3.23	1.06	3.32	1.16	3.39	1.26	3.39	1.26	3.41	1.27	2.98	1.16				
1750	10203	8404																					
		4.43	0.60	4.47	0.64	4.52	0.67	4.93	0.91	5.11	1.00	5.28	1.11	5.28	1.11	5.36	1.20	5.41	1.24	4.66	1.11		
1888	11007	9095																					
		5.55	0.56	5.59	0.59	5.64	0.63	6.09	0.84	6.30	0.93	6.53	1.04	6.53	1.04	6.67	1.13	6.75	1.20	6.77	1.20	5.81	1.09

Performance certified is for installation type B-Free inlet, Ducted outlet. Power rating (BHP) does not include transmission losses. FEI calculation is based on default motor calculation in accordance with ANS/AMCA Standard 208. Performance ratings do not include the effects of appurtenances.



# 222 CLASS 1 | BELT & DIRECT DRIVE - AIR PERFORMANCE

50% Width

Maximum RPM: 1888	Max BHP: (RPM/1125) <sup>3</sup>	Outlet Area: 2.4 Sq.Ft.	Wheel Diameter: 22.25"	Tip Speed: 5.83 X RPM	Max Motor Frame Size: 215T
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RPM	Tip Speed	0.25"SP		0.38"SP		0.75"SP		1.38"SP		1.88"SP		2.5"SP		2.75"SP		3.25"SP		4"SP		5.5"SP		6.38"SP	
		CFM		CFM		CFM		CFM		CFM		CFM		CFM		CFM		CFM		CFM		CFM	
		BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI
410	2391	741																					
		0.07	1.81																				
600	3498	1598																					
		0.16	1.66	0.16	1.68	0.15	1.72																
750	4373	2220																					
		0.27	1.44	0.28	1.49	0.31	1.49																
900	5247	2815																					
		0.42	1.23	0.44	1.29	0.48	1.43	0.47	1.36														
1050	6122	3360																					
		0.66	1.01	0.68	1.08	0.73	1.24	0.81	1.31	0.76	1.28												
1200	6996	3899																					
		0.96	0.86	0.99	0.92	1.06	1.08	1.14	1.23	1.21	1.24	1.11	1.21										
1350	7871	4432																					
		1.34	0.74	1.38	0.80	1.47	0.94	1.57	1.12	1.65	1.19	1.74	1.19	1.74	1.18	1.51	1.15						
1500	8745	4962																					
		1.82	0.65	1.87	0.70	1.98	0.83	2.10	1.01	2.18	1.10	2.30	1.15	2.34	1.16	2.39	1.15	2.09	1.12				
1750	10203	5839																					
		2.84	0.55	2.91	0.58	3.06	0.69	3.23	0.85	3.33	0.95	3.45	1.04	3.50	1.07	3.61	1.10	3.76	1.11	3.27	1.06		
1888	11007	6320																					
		3.55	0.50	3.62	0.54	3.79	0.63	4.00	0.78	4.12	0.87	4.24	0.97	4.29	1.00	4.40	1.05	4.59	1.09	4.73	1.09	4.12	1.05

Performance certified is for installation type B-Free inlet, Ducted outlet. Power rating (BHP) does not include transmission losses. FEI calculation is based on default motor calculation in accordance with ANS/AMCA Standard 208. Performance ratings do not include the effects of appurtenances.

# 245 CLASS 1 | BELT & DIRECT DRIVE - AIR PERFORMANCE

100% Width

Maximum RPM: 1714	Max BHP: (RPM/793) <sup>^3</sup>	Outlet Area: 3.52 Sq.Ft.	Wheel Diameter: 24.5"	Tip Speed: 6.41 X RPM	Max Motor Frame Size: 215T
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RPM	Tip Speed	0.25"SP		0.63"SP		1"SP		1.5"SP		2"SP		2.5"SP		3"SP		3.5"SP		4.38"SP		5.38"SP		7.1"SP	
		CFM		CFM		CFM		CFM		CFM		CFM		CFM		CFM		CFM		CFM		CFM	
		BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI
375	2404	1737																					
		0.16	1.75																				
450	2885	2537																					
		0.24	1.69																				
600	3846	3980																					
		0.47	1.48	0.50	1.60	0.47	1.76																
750	4808	5248																					
		0.75	1.33	0.85	1.46	0.86	1.57																
900	5769	6480																					
		1.19	1.15	1.35	1.28	1.45	1.38	1.43	1.50														
1050	6731	7677																					
		1.87	0.96	2.03	1.12	2.21	1.21	2.32	1.33	2.28	1.42	2.12	1.41										
1200	7692	8862																					
		2.77	0.83	2.91	0.99	3.14	1.08	3.37	1.18	3.46	1.28	3.43	1.35	3.31	1.38	2.84	1.36						
1350	8654	10039																					
		3.95	0.73	4.05	0.88	4.29	0.97	4.61	1.06	4.83	1.15	4.92	1.23	4.91	1.30	4.81	1.34	4.15	1.32				
1500	9615	11210																					
		5.43	0.66	5.48	0.79	5.70	0.89	6.08	0.98	6.41	1.05	6.64	1.12	6.74	1.19	6.75	1.25	6.58	1.32	5.76	1.30		
1714	10987	12873																					
		8.13	0.58	8.10	0.70	8.28	0.79	8.67	0.87	9.11	0.94	9.50	1.00	9.79	1.06	9.98	1.11	10.08	1.20	9.92	1.28	8.39	1.28

80% Width

Maximum RPM: 1714	Max BHP: (RPM/849) <sup>^3</sup>	Outlet Area: 3.28 Sq.Ft.	Wheel Diameter: 24.5"	Tip Speed: 6.41 X RPM	Max Motor Frame Size: 215T
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RPM	Tip Speed	0.25"SP		0.5"SP		0.88"SP		1.25"SP		1.75"SP		2.5"SP		2.88"SP		3.38"SP		4.25"SP		5.25"SP		7"SP	
		CFM		CFM		CFM		CFM		CFM		CFM		CFM		CFM		CFM		CFM		CFM	
		BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI
375	2404	1361																					
		0.11	1.87																				
450	2885	2121																					
		0.17	1.95	0.17	1.59																		
600	3846	3358																					
		0.37	1.53	0.38	1.67	0.36	1.45																
750	4808	4484																					
		0.62	1.34	0.69	1.42	0.74	1.48	0.71	1.41														
900	5769	5537																					
		1.05	1.08	1.10	1.22	1.18	1.35	1.24	1.38	1.22	1.34												
1050	6731	6562																					
		1.64	0.90	1.72	1.02	1.77	1.19	1.87	1.27	1.94	1.33	1.80	1.25										
1200	7692	7574																					
		2.38	0.79	2.55	0.87	2.58	1.03	2.65	1.15	2.80	1.23	2.83	1.30	2.82	1.30	2.02	1.33						
1350	8654	8586																					
		3.32	0.70	3.41	0.80	3.58	0.92	3.73	1.01	3.88	1.11	3.98	1.23	4.01	1.26	4.03	1.26	3.61	1.16				
1500	9615	9592																					
		4.53	0.63	4.63	0.71	4.81	0.82	4.99	0.91	5.20	1.01	5.39	1.13	5.44	1.18	5.48	1.23	5.53	1.24	4.95	1.14		
1714	10987	11024																					
		6.72	0.56	6.83	0.62	7.03	0.72	7.23	0.80	7.51	0.89	7.83	1.00	7.95	1.05	8.06	1.11	8.17	1.19	8.24	1.21	7.03	1.08

Performance certified is for installation type B-Free inlet, Ducted outlet. Power rating (BHP) does not include transmission losses. FEI calculation is based on default motor calculation in accordance with ANS/AMCA Standard 208. Performance ratings do not include the effects of appurtenances.

# 245 CLASS 1 | BELT & DIRECT DRIVE - AIR PERFORMANCE

50% Width

Maximum RPM: 1714	Max BHP: (RPM/957) <sup>3</sup>	Outlet Area: 2.93 Sq.Ft.	Wheel Diameter: 24.5"	Tip Speed: 6.41 X RPM	Max Motor Frame Size: 215T
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RPM	Tip Speed	0.25"SP		0.5"SP		0.88"SP		1.25"SP		1.75"SP		2"SP		2.25"SP		3"SP		4"SP		4.75"SP		6.38"SP	
		CFM		CFM		CFM		CFM		CFM		CFM		CFM		CFM		CFM		CFM		CFM	
		BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI
375	2404	917																					
		0.08	1.80																				
450	2885	1408																					
		0.13	1.78																				
600	3846	2247																					
		0.25	1.51	0.26	1.60																		
750	4808	3061																					
		0.41	1.32	0.44	1.43	0.49	1.43																
900	5769	3814																					
		0.68	1.08	0.72	1.21	0.77	1.33	0.83	1.33	0.73	1.26												
1050	6731	4537																					
		1.05	0.89	1.11	1.01	1.17	1.15	1.23	1.24	1.32	1.24	1.33	1.23	1.25	1.21								
1200	7692	5251																					
		1.53	0.75	1.62	0.86	1.71	1.00	1.77	1.10	1.86	1.18	1.91	1.19	1.96	1.18	1.82	1.16						
1350	8654	5958																					
		2.15	0.65	2.26	0.74	2.37	0.87	2.45	0.97	2.55	1.08	2.60	1.11	2.66	1.14	2.81	1.14	2.41	1.06				
1500	9615	6662																					
		2.92	0.57	3.05	0.66	3.19	0.77	3.30	0.87	3.41	0.97	3.46	1.02	3.52	1.05	3.71	1.11	3.87	1.11	3.49	1.09		
1714	10987	7661																					
		4.30	0.49	4.46	0.56	4.65	0.66	4.80	0.74	4.96	0.84	5.02	0.89	5.08	0.93	5.26	1.02	5.56	1.08	5.74	1.08	4.98	1.04

Performance certified is for installation type B-Free inlet, Ducted outlet. Power rating (BHP) does not include transmission losses. FEI calculation is based on default motor calculation in accordance with ANS/AMCA Standard 208. Performance ratings do not include the effects of appurtenances.

# 270 CLASS 1 | BELT & DIRECT DRIVE - AIR PERFORMANCE

100% Width

Maximum RPM: 1556	Max BHP: (RPM/675) <sup>3</sup>	Outlet Area: 4.26 Sq.Ft.	Wheel Diameter: 27"	Tip Speed: 7.07 X RPM	Max Motor Frame Size: 254T
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RPM	Tip Speed	0.25"SP		0.5"SP		0.88"SP		1"SP		1.63"SP		2.38"SP		3.25"SP		4.25"SP		5.38"SP		6.2"SP		7.1"SP													
		CFM		CFM		CFM		CFM		CFM		CFM		CFM		CFM		CFM		CFM		CFM													
		BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI												
340	2404	2105																																	
		0.19	1.74																																
450	3182	3640																																	
		0.37	1.63	0.36	1.60																														
600	4242	5472																																	
		0.70	1.41	0.75	1.51	0.74	1.57	0.70	1.51																										
750	5303	7148																																	
		1.13	1.26	1.26	1.34	1.37	1.45	1.37	1.49	1.17	1.50																								
900	6363	8762																																	
		1.92	1.02	2.04	1.13	2.26	1.23	2.30	1.26	2.36	1.41	1.97	1.41																						
1050	7424	10353																																	
		3.02	0.86	3.12	0.98	3.38	1.08	3.47	1.11	3.74	1.24	3.72	1.37	3.10	1.36																				
1200	8484	11930																																	
		4.51	0.75	4.57	0.85	4.83	0.96	4.93	0.99	5.38	1.10	5.62	1.23	5.52	1.33	4.62	1.32																		
1350	9545	13498																																	
		6.43	0.66	6.44	0.76	6.67	0.86	6.77	0.89	7.34	1.00	7.83	1.11	8.01	1.23	7.81	1.31	6.58	1.29																
1450	10252	14540																																	
		7.99	0.62	7.96	0.71	8.15	0.81	8.25	0.84	8.86	0.94	9.50	1.04	9.88	1.15	9.87	1.26	9.45	1.30	8.17	1.28														
1556	11001	15642																																	
		9.89	0.58	9.83	0.66	9.98	0.76	10.07	0.78	10.69	0.89	11.45	0.98	12.03	1.08	12.27	1.19	12.06	1.27	11.68	1.29	10.23	1.27												

80% Width

Maximum RPM: 1556	Max BHP: (RPM/722) <sup>3</sup>	Outlet Area: 4 Sq.Ft.	Wheel Diameter: 27"	Tip Speed: 7.07 X RPM	Max Motor Frame Size: 254T
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RPM	Tip Speed	0.25"SP		0.5"SP		0.88"SP		1"SP		1.5"SP		2.25"SP		3.1"SP		4.1"SP		5.25"SP		6.1"SP		7"SP													
		CFM		CFM		CFM		CFM		CFM		CFM		CFM		CFM		CFM		CFM		CFM													
		BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI												
340	2404	1649																																	
		0.14	1.86																																
450	3182	3049																																	
		0.27	1.81	0.28	1.61																														
600	4242	4647																																	
		0.55	1.47	0.60	1.54	0.62	1.48	0.59	1.43																										
750	5303	6103																																	
		0.99	1.20	1.06	1.32	1.16	1.41	1.18	1.41	1.15	1.35																								
900	6363	7490																																	
		1.69	0.95	1.76	1.09	1.85	1.24	1.88	1.27	2.00	1.33	1.82	1.25																						
1050	7424	8849																																	
		2.60	0.81	2.77	0.90	2.82	1.07	2.85	1.11	3.01	1.22	3.10	1.30	2.55	1.25																				
1200	8484	10202																																	
		3.79	0.71	3.91	0.81	4.11	0.93	4.17	0.96	4.37	1.08	4.53	1.21	4.59	1.27	4.08	1.15																		
1350	9545	11550																																	
		5.37	0.63	5.49	0.71	5.71	0.82	5.78	0.85	6.06	0.96	6.34	1.09	6.48	1.20	6.55	1.11																		
1450	10252	12446																																	
		6.63	0.59	6.76	0.66	6.99	0.76	7.06	0.79	7.37	0.90	7.74	1.02	7.96	1.14	8.08	1.21	8.06	1.20	6.88	1.08														
1556	11001	13394																																	
		8.17	0.55	8.31	0.62	8.54	0.71	8.62	0.74	8.96	0.84	9.41	0.96	9.73	1.07	9.91	1.17	10.02	1.21	9.94	1.18	8.57	1.07												

Performance certified is for installation type B-Free inlet, Ducted outlet. Power rating (BHP) does not include transmission losses. FEI calculation is based on default motor calculation in accordance with ANS/AMCA Standard 208. Performance ratings do not include the effects of appurtenances.

# 270 CLASS 1 | BELT & DIRECT DRIVE - AIR PERFORMANCE

50% Width

Maximum RPM: 1556	Max BHP: (RPM/814) <sup>3</sup>	Outlet Area: 3.54 Sq.Ft.	Wheel Diameter: 27"	Tip Speed: 7.07 X RPM	Max Motor Frame Size: 254T
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RPM	Tip Speed	0.25"SP		0.5"SP		0.88"SP		1"SP		1.5"SP		2.13"SP		2.88"SP		3.75"SP		4.75"SP		5.5"SP		6.38"SP	
		CFM		CFM		CFM		CFM		CFM		CFM		CFM		CFM		CFM		CFM		CFM	
		BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI
340	2404	1111																					
		0.10	1.79																				
450	3182	2028																					
		0.19	1.72	0.19	1.52																		
600	4242	3137																					
		0.37	1.44	0.39	1.54	0.40	1.41																
750	5303	4194																					
		0.65	1.18	0.69	1.31	0.75	1.39	0.77	1.37	0.67	1.24												
900	6363	5172																					
		1.08	0.94	1.15	1.07	1.22	1.21	1.24	1.24	1.34	1.26	1.18	1.18										
1050	7424	6131																					
		1.68	0.78	1.77	0.89	1.87	1.03	1.89	1.07	2.00	1.17	2.14	1.18	1.89	1.13								
1200	8484	7079																					
		2.46	0.66	2.59	0.76	2.72	0.89	2.75	0.92	2.87	1.05	3.03	1.13	3.21	1.14	2.83	1.10						
1350	9545	8021																					
		3.46	0.58	3.61	0.66	3.79	0.77	3.83	0.80	3.99	0.93	4.15	1.04	4.37	1.10	4.58	1.10	4.03	1.07				
1450	10252	8647																					
		4.25	0.53	4.43	0.61	4.64	0.71	4.69	0.74	4.87	0.85	5.05	0.97	5.26	1.06	5.56	1.09	5.65	1.08	4.96	1.05		
1556	11001	9308																					
		5.22	0.49	5.42	0.56	5.66	0.65	5.72	0.68	5.94	0.79	6.14	0.90	6.36	1.00	6.66	1.06	6.98	1.07	6.97	1.07	6.07	1.02

Performance certified is for installation type B-Free inlet, Ducted outlet. Power rating (BHP) does not include transmission losses. FEI calculation is based on default motor calculation in accordance with ANS/AMCA Standard 208. Performance ratings do not include the effects of appurtenances.

# 300 CLASS 1 | BELT & DIRECT DRIVE - AIR PERFORMANCE

100% Width

Maximum RPM: 1400	Max BHP: (RPM/566) <sup>3</sup>	Outlet Area: 5.25 Sq.Ft.	Wheel Diameter: 30"	Tip Speed: 7.85 X RPM	Max Motor Frame Size: 256T
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RPM	Tip Speed	0.25"SP		0.5"SP		0.75"SP		1"SP		1.63"SP		2.25"SP		3.1"SP		4"SP		5"SP		6.1"SP		7.1"SP																	
		CFM		CFM		CFM		CFM		CFM		CFM		CFM		CFM		CFM		CFM		CFM																	
		BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI																
305	2394	2576																																					
		0.23	1.73																																				
450	3533	5309		4309		2634																																	
		0.59	1.52	0.61	1.59	0.53	1.43																																
550	4318	6911		6139		5298		4016																															
		0.89	1.40	0.96	1.49	0.98	1.56	0.92	1.51																														
675	5299	8825		8204		7594		6934		4246																													
		1.40	1.25	1.55	1.33	1.66	1.40	1.70	1.48	1.45	1.48																												
800	6280	10671		10147		9625		9111		7627		5265																											
		2.28	1.03	2.44	1.14	2.62	1.21	2.75	1.27	2.80	1.42	2.48	1.41																										
925	7261	12492		12038		11584		11134		9998		8641		5606																									
		3.50	0.88	3.63	0.99	3.84	1.07	4.04	1.12	4.34	1.26	4.32	1.37	3.63	1.35																								
1050	8243	14297		13896		13496		13096		12104		11093		9339		6335																							
		5.11	0.77	5.20	0.87	5.40	0.95	5.64	1.01	6.16	1.12	6.37	1.23	6.25	1.34	5.30	1.32																						
1175	9224	16092		15730		15373		15016		14120		13251		11954		10187		7130																					
		7.18	0.68	7.21	0.78	7.38	0.86	7.63	0.92	8.30	1.02	8.76	1.12	8.94	1.24	8.71	1.31	7.45	1.29																				
1300	10205	17879		17548		17225		16903		16089		15299		14211		12903		11053		7970																			
		9.75	0.62	9.72	0.71	9.85	0.78	10.08	0.84	10.83	0.94	11.49	1.03	12.01	1.13	12.09	1.23	11.75	1.29	10.17	1.27																		
1400	10990	19305		18995		18694		18394		17639		16899		15900		14790		13333		11278		8489																	
		12.20	0.58	12.12	0.66	12.21	0.73	12.42	0.78	13.18	0.89	13.97	0.97	14.75	1.06	15.11	1.16	15.02	1.25	14.48	1.28	12.60	1.26																

80% Width

Maximum RPM: 1400	Max BHP: (RPM/606) <sup>3</sup>	Outlet Area: 4.91 Sq.Ft.	Wheel Diameter: 30"	Tip Speed: 7.85 X RPM	Max Motor Frame Size: 256T
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RPM	Tip Speed	0.25"SP		0.5"SP		0.75"SP		1"SP		1.5"SP		2.25"SP		3"SP		3.75"SP		4.88"SP		6"SP		7"SP																	
		CFM		CFM		CFM		CFM		CFM		CFM		CFM		CFM		CFM		CFM		CFM																	
		BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI																
305	2394	2012																																					
		0.17	1.84																																				
450	3533	4447		3465		2161																																	
		0.45	1.64	0.46	1.66	0.42	1.50																																
550	4318	5876		5132		4286		3146																															
		0.71	1.45	0.78	1.51	0.81	1.52	0.77	1.43																														
675	5299	7534		6971		6383		5696		3948																													
		1.22	1.19	1.31	1.32	1.39	1.39	1.46	1.41	1.42	1.33																												
800	6280	9121		8652		8156		7662		6489		3578																											
		2.02	0.96	2.10	1.10	2.16	1.21	2.25	1.28	2.38	1.33	1.89	1.27																										
925	7261	10676		10289		9864		9425		8559		6903		4072																									
		3.05	0.82	3.22	0.92	3.25	1.04	3.30	1.13	3.52	1.23	3.58	1.30	2.73	1.28																								
1050	8243	12218		11882		11529		11143		10369		9157		7602		5368																							
		4.30	0.73	4.67	0.79	4.75	0.89	4.75	0.99	4.89	1.12	5.24	1.22	5.16	1.28	4.78	1.18																						
1175	9224	13767		13439		13126		12805		12134		11097		9922		8534		5343																					
		6.00	0.65	6.15	0.74	6.32	0.81	6.50	0.88	6.82	0.99	7.12	1.13	7.24	1.22	7.31	1.24	6.40	1.11																				
1300	10205	15304		14997		14713		14428		13836		12914		11952		10856		8920		5779																			
		8.09	0.59	8.25	0.66	8.43	0.73	8.62	0.79	9.01	0.90	9.45	1.02	9.70	1.13	9.82	1.20	9.90	1.21	8.57	1.09																		
1400	10990	16531		16238		15970		15708		15168		14320		13453		12524		10881		8994		6022																	
		10.08	0.55	10.25	0.62	10.44	0.68	10.64	0.74	11.06	0.84	11.61	0.95	11.97	1.06	12.17	1.14	12.33	1.20	12.30	1.18	10.55	1.06																

Performance certified is for installation type B-Free inlet, Ducted outlet. Power rating (BHP) does not include transmission losses. FEI calculation is based on default motor calculation in accordance with ANS/AMCA Standard 208. Performance ratings do not include the effects of appurtenances.

# 300 CLASS 1 | BELT & DIRECT DRIVE - AIR PERFORMANCE

50% Width

Maximum RPM: 1400		Max BHP: (RPM/683) <sup>3</sup>		Outlet Area: 4.37 Sq.Ft.		Wheel Diameter: 30"		Tip Speed: 7.85 X RPM		Max Motor Frame Size: 256T													
RPM	Tip Speed	0.25"SP		0.5"SP		0.75"SP		1"SP		1.5"SP		2"SP		2.75"SP		3.63"SP		4.5"SP		5.5"SP		6.38"SP	
		CFM		CFM		CFM		CFM		CFM		CFM		CFM		CFM		CFM		CFM		CFM	
		BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI
305	2394	1358																					
		0.12	1.77																				
450	3533	2955																					
		0.30	1.61	0.32	1.56	0.25	1.66																
550	4318	3973																					
		0.47	1.41	0.50	1.51	0.55	1.43	0.41	1.47														
675	5299	5177																					
		0.80	1.18	0.85	1.31	0.90	1.37	0.95	1.36	0.83	1.21												
800	6280	6296																					
		1.29	0.95	1.37	1.08	1.43	1.18	1.48	1.24	1.60	1.25	1.49	1.20										
925	7261	7394																					
		1.95	0.79	2.06	0.91	2.14	1.00	2.20	1.08	2.33	1.18	2.47	1.18	2.20	1.13								
1050	8243	8480																					
		2.80	0.68	2.95	0.78	3.06	0.87	3.14	0.94	3.28	1.07	3.43	1.13	3.65	1.13	3.12	1.04						
1175	9224	9559																					
		3.87	0.59	4.06	0.68	4.20	0.76	4.31	0.83	4.48	0.95	4.63	1.04	4.90	1.11	5.12	1.10	4.41	1.04				
1300	10205	10632																					
		5.19	0.53	5.41	0.60	5.58	0.67	5.73	0.74	5.95	0.85	6.12	0.95	6.38	1.04	6.75	1.08	6.93	1.08	5.99	1.02		
1400	10990	11488																					
		6.44	0.49	6.69	0.55	6.89	0.62	7.06	0.68	7.33	0.78	7.53	0.88	7.80	0.98	8.16	1.05	8.54	1.07	8.59	1.06	7.48	1.01

Performance certified is for installation type B-Free inlet, Ducted outlet. Power rating (BHP) does not include transmission losses. FEI calculation is based on default motor calculation in accordance with ANS/AMCA Standard 208. Performance ratings do not include the effects of appurtenances.

# 330 CLASS 1 | BELT & DIRECT DRIVE - AIR PERFORMANCE

100% Width

Maximum RPM: 1273	Max BHP: (RPM/483) <sup>3</sup>	Outlet Area: 6.35 Sq.Ft.	Wheel Diameter: 33"	Tip Speed: 8.64 X RPM	Max Motor Frame Size: 284T
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RPM	Tip Speed	0.25"SP		0.5"SP		0.75"SP		1"SP		1.5"SP		2"SP		2.75"SP		3.63"SP		4.75"SP		5.75"SP		7.1"SP			
		CFM		CFM		CFM		CFM		CFM		CFM		CFM		CFM		CFM		CFM		CFM			
		BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI		
280	2419	3201																							
		0.29	1.73																						
400	3456	6208		4961		3127																			
		0.67	1.54	0.69	1.60	0.61	1.47																		
500	4320	8362		7428		6411		4860																	
		1.08	1.39	1.17	1.49	1.19	1.56	1.12	1.51																
600	5184	10389		9647		8878		8033		5474															
		1.62	1.26	1.77	1.36	1.90	1.42	1.93	1.49	1.75	1.47														
700	6048	12380		11720		11066		10419		8918		6681													
		2.47	1.08	2.66	1.18	2.86	1.25	2.99	1.31	3.03	1.43	2.80	1.43												
815	7042	14615		14049		13482		12921		11798		10483		7573											
		3.86	0.91	4.02	1.02	4.27	1.09	4.51	1.15	4.77	1.26	4.78	1.36	4.37	1.36										
925	7992	16733		16233		15733		15234		14252		13249		11424		8154									
		5.63	0.79	5.74	0.90	6.00	0.98	6.29	1.03	6.76	1.13	7.00	1.22	6.94	1.33	6.21	1.32								
1050	9072	19124		18679		18240		17800		16924		16062		14711		12748		8905							
		8.25	0.69	8.29	0.79	8.51	0.87	8.81	0.93	9.46	1.02	9.94	1.09	10.27	1.21	10.12	1.30	8.86	1.29						
1150	9936	21029		20619		20218		19817		19013		18219		17035		15502		12973		9510					
		10.86	0.63	10.84	0.72	11.02	0.80	11.30	0.85	12.01	0.94	12.67	1.01	13.31	1.11	13.50	1.22	13.09	1.30	11.45	1.27				
1273	10999	23364		22989		22625		22263		21537		20813		19743		18472		16618		14528		10287			
		14.77	0.58	14.68	0.66	14.79	0.72	15.03	0.78	15.75	0.87	16.55	0.93	17.53	1.02	18.18	1.12	18.26	1.22	17.80	1.28	15.27	1.26		

80% Width

Maximum RPM: 1273	Max BHP: (RPM/517) <sup>3</sup>	Outlet Area: 5.94 Sq.Ft.	Wheel Diameter: 33"	Tip Speed: 8.64 X RPM	Max Motor Frame Size: 284T
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RPM	Tip Speed	0.25"SP		0.5"SP		0.75"SP		1"SP		1.5"SP		2"SP		2.75"SP		3.63"SP		4.75"SP		5.63"SP		7"SP	
		CFM		CFM		CFM		CFM		CFM		CFM		CFM		CFM		CFM		CFM		CFM	
		BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI
280	2419	2518																					
		0.21	1.86																				
400	3456	5198		3944		2447																	
		0.51	1.67	0.52	1.65	0.46	1.52																
500	4320	7108		6211		5186		3807															
		0.86	1.45	0.95	1.51	0.98	1.51	0.94	1.42														
600	5184	8884		8179		7445		6574		4121													
		1.38	1.22	1.50	1.34	1.59	1.40	1.66	1.41	1.54	1.28												
700	6048	10581		9985		9366		8737		7190		5064											
		2.18	1.00	2.27	1.15	2.36	1.25	2.47	1.31	2.58	1.35	2.45	1.25										
815	7042	12493		12004		11467		10924		9825		8439		5500									
		3.36	0.85	3.55	0.95	3.60	1.07	3.68	1.16	3.92	1.25	3.98	1.30	3.62	1.20								
925	7992	14301		13882		13431		12945		11991		10996		9096		5317							
		4.75	0.75	5.14	0.82	5.23	0.92	5.25	1.02	5.45	1.15	5.73	1.22	5.71	1.27	4.17	1.28						
1050	9072	16360		15958		15573		15176		14348		13502		12111		10135		6115					
		6.90	0.66	7.08	0.75	7.29	0.82	7.49	0.89	7.87	1.00	8.12	1.10	8.30	1.20	8.40	1.23	7.22	1.09				
1150	9936	17998		17620		17267		16912		16171		15406		14224		12625		10200		7116			
		9.03	0.60	9.22	0.68	9.44	0.75	9.66	0.81	10.11	0.92	10.47	1.01	10.79	1.12	10.96	1.20	11.02	1.20	9.77	1.10		
1273	10999	20007		19652		19328		19011		18359		17678		16637		15349		13419		11692		7306	
		12.21	0.55	12.41	0.62	12.64	0.68	12.88	0.73	13.39	0.83	13.86	0.91	14.37	1.02	14.71	1.12	14.91	1.19	14.97	1.19	12.79	1.06

Performance certified is for installation type B-Free inlet, Ducted outlet. Power rating (BHP) does not include transmission losses. FEI calculation is based on default motor calculation in accordance with ANS/AMCA Standard 208. Performance ratings do not include the effects of appurtenances.



# 330 CLASS 1 | BELT & DIRECT DRIVE - AIR PERFORMANCE

50% Width

Maximum RPM: 1273	Max BHP: (RPM/582) <sup>3</sup>	Outlet Area: 5.28 Sq.Ft.	Wheel Diameter: 33"	Tip Speed: 8.64 X RPM	Max Motor Frame Size: 284T
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RPM	Tip Speed	0.25"SP		0.38"SP		0.63"SP		1"SP		1.38"SP		1.88"SP		2.63"SP		3.38"SP		4.38"SP		5.25"SP		6.38"SP	
		CFM		CFM		CFM		CFM		CFM		CFM		CFM		CFM		CFM		CFM		CFM	
		BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI
280	2419	1691																					
		0.15	1.76																				
400	3456	3456																					
		0.34	1.63	0.35	1.62	0.31	1.49																
500	4320	4811																					
		0.58	1.40	0.60	1.45	0.64	1.48	0.50	1.45														
600	5184	6106																					
		0.91	1.20	0.94	1.27	1.00	1.37	1.09	1.35	0.94	1.28												
700	6048	7297																					
		1.40	0.99	1.45	1.06	1.52	1.18	1.61	1.27	1.72	1.26	1.57	1.19										
815	7042	8646																					
		2.16	0.82	2.23	0.88	2.33	0.99	2.44	1.11	2.56	1.19	2.72	1.19	2.36	1.09								
925	7992	9921																					
		3.10	0.70	3.19	0.75	3.33	0.85	3.48	0.97	3.60	1.07	3.78	1.14	4.02	1.13	3.46	1.06						
1050	9072	11358																					
		4.46	0.60	4.58	0.65	4.76	0.73	4.97	0.84	5.12	0.94	5.30	1.04	5.62	1.10	5.88	1.10	5.03	1.02				
1150	9936	12502																					
		5.81	0.54	5.94	0.58	6.16	0.66	6.42	0.76	6.61	0.85	6.82	0.95	7.13	1.05	7.49	1.08	7.71	1.07	6.62	1.00		
1273	10999	13904																					
		7.80	0.48	7.97	0.52	8.23	0.59	8.55	0.67	8.80	0.76	9.06	0.85	9.39	0.96	9.75	1.03	10.28	1.06	10.48	1.06	9.06	1.00

Performance certified is for installation type B-Free inlet, Ducted outlet. Power rating (BHP) does not include transmission losses. FEI calculation is based on default motor calculation in accordance with ANS/AMCA Standard 208. Performance ratings do not include the effects of appurtenances.

# 365 CLASS 1 | BELT DRIVE - AIR PERFORMANCE

100% Width

Maximum RPM: 1151	Max BHP: (RPM/409) <sup>3</sup>	Outlet Area: 7.76 Sq.Ft.	Wheel Diameter: 36.5"	Tip Speed: 9.56 X RPM	Max Motor Frame Size: 286T
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RPM	Tip Speed	0.25"SP		0.75"SP		1"SP		1.5"SP		2"SP		2.25"SP		3"SP		3.88"SP		4.88"SP		5.94"SP		7.1"SP	
		CFM		CFM		CFM		CFM		CFM		CFM		CFM		CFM		CFM		CFM		CFM	
		BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI
250	2390	3786																					
		0.34	1.72																				
350	3346	7216																					
		0.76	1.57	0.76	1.84																		
450	4302	10173																					
		1.31	1.39	1.44	1.56	1.34	1.49																
550	5258	12913																					
		2.04	1.24	2.40	1.41	2.45	1.48	2.27	1.48														
650	6214	15598																					
		3.26	1.04	3.76	1.22	3.94	1.28	4.03	1.40	3.83	1.43	3.41	1.39										
750	7170	18223																					
		4.98	0.89	5.48	1.07	5.78	1.13	6.14	1.24	6.18	1.34	6.11	1.37	5.23	1.34								
850	8126	20826																					
		7.23	0.77	7.67	0.96	8.03	1.02	8.64	1.11	8.97	1.20	9.02	1.24	8.85	1.33	7.49	1.31						
950	9082	23414																					
		10.11	0.69	10.43	0.87	10.80	0.92	11.59	1.01	12.19	1.09	12.39	1.13	12.60	1.24	12.27	1.31	10.28	1.28				
1050	10038	25991																					
		13.69	0.63	13.86	0.79	14.21	0.85	15.08	0.93	15.91	1.00	16.24	1.04	16.88	1.13	16.98	1.23	16.46	1.29	14.01	1.27		
1151	11004	28585																					
		18.08	0.58	18.09	0.72	18.39	0.78	19.27	0.87	20.25	0.93	20.70	0.96	21.75	1.05	22.35	1.14	22.30	1.23	21.62	1.28	18.69	1.25

80% Width

Maximum RPM: 1151	Max BHP: (RPM/437) <sup>3</sup>	Outlet Area: 7.27 Sq.Ft.	Wheel Diameter: 36.5"	Tip Speed: 9.56 X RPM	Max Motor Frame Size: 286T
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RPM	Tip Speed	0.25"SP		0.75"SP		1"SP		1.5"SP		1.75"SP		2.13"SP		2.88"SP		3.75"SP		4.75"SP		5.75"SP		7"SP	
		CFM		CFM		CFM		CFM		CFM		CFM		CFM		CFM		CFM		CFM		CFM	
		BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI
250	2390	2952																					
		0.25	1.82																				
350	3346	6041																					
		0.56	1.72	0.50	1.57																		
450	4302	8646																					
		1.04	1.45	1.19	1.51	1.13	1.40																
550	5258	11041																					
		1.76	1.20	2.02	1.39	2.11	1.40	2.02	1.30														
650	6214	13332																					
		2.89	0.97	3.10	1.22	3.24	1.28	3.41	1.33	3.39	1.33	3.39	1.22										
750	7170	15575																					
		4.34	0.82	4.63	1.05	4.71	1.14	5.03	1.24	5.14	1.26	5.12	1.29	4.37	1.21								
850	8126	17798																					
		6.10	0.73	6.72	0.90	6.73	1.00	6.95	1.13	7.15	1.17	7.39	1.21	7.31	1.27	5.32	1.28						
950	9082	20029																					
		8.46	0.65	8.93	0.82	9.19	0.89	9.64	1.00	9.82	1.05	10.01	1.12	10.20	1.21	10.30	1.23	8.89	1.09				
1050	10038	22245																					
		11.37	0.59	11.87	0.74	12.15	0.80	12.71	0.91	12.95	0.95	13.25	1.02	13.62	1.12	13.82	1.20	13.90	1.20	12.26	1.09		
1151	11004	24478																					
		14.94	0.55	15.46	0.67	15.76	0.73	16.38	0.83	16.68	0.87	17.08	0.93	17.67	1.03	18.03	1.13	18.24	1.19	18.30	1.18	15.65	1.05

Performance certified is for installation type B-Free inlet, Ducted outlet. Power rating (BHP) does not include transmission losses. FEI calculation is based on default motor calculation in accordance with ANSI/AMCA Standard 208. Performance ratings do not include the effects of appurtenances.

# 365 CLASS 1 | BELT DRIVE - AIR PERFORMANCE

50% Width

Maximum RPM: 1151	Max BHP: (RPM/492) <sup>3</sup>	Outlet Area: 6.47 Sq.Ft.	Wheel Diameter: 36.5"	Tip Speed: 9.56 X RPM	Max Motor Frame Size: 286T
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RPM	Tip Speed	0.25"SP		0.38"SP		0.5"SP		0.88"SP		1.38"SP		2"SP		2.63"SP		3.5"SP		4.38"SP		5.38"SP		6.44"SP																	
		CFM		CFM		CFM		CFM		CFM		CFM		CFM		CFM		CFM		CFM		CFM																	
		BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI																
250	2390	1995																																					
		0.18	1.74																																				
350	3346	4018		3439		2758																																	
		0.38	1.65	0.40	1.63	0.41	1.49																																
450	4302	5846		5365		4928		3284																															
		0.70	1.40	0.73	1.45	0.73	1.50	0.78	1.36																														
550	5258	7599		7205		6834		5669		3640																													
		1.15	1.18	1.20	1.25	1.23	1.30	1.34	1.37	1.30	1.26																												
650	6214	9200		8890		8594		7624		6261		3919																											
		1.85	0.95	1.91	1.02	1.96	1.08	2.08	1.22	2.26	1.24	2.05	1.16																										
750	7170	10784		10519		10270		9446		8324		6811		4708																									
		2.77	0.79	2.87	0.86	2.94	0.91	3.10	1.05	3.28	1.17	3.53	1.17	3.21	1.12																								
850	8126	12350		12116		11901		11190		10216		8965		7579		4667																							
		3.97	0.68	4.09	0.73	4.18	0.78	4.40	0.91	4.61	1.05	4.88	1.13	5.15	1.13	4.43	1.04																						
950	9082	13905		13694		13501		12879		12020		10930		9770		8018		5171																					
		5.47	0.60	5.61	0.64	5.73	0.68	6.02	0.80	6.28	0.93	6.56	1.05	6.89	1.10	7.22	1.09	6.18	1.01																				
1050	10038	15453		15258		15083		14528		13766		12788		11777		10295		8655		5560																			
		7.31	0.53	7.48	0.57	7.62	0.61	7.98	0.71	8.32	0.84	8.63	0.95	8.95	1.04	9.47	1.08	9.73	1.07	8.31	0.97																		
1151	11004	17010		16830		16668		16164		15482		14601		13689		12397		11001		9268		6215																	
		9.55	0.48	9.75	0.52	9.91	0.55	10.34	0.64	10.77	0.75	11.15	0.87	11.49	0.96	12.01	1.04	12.58	1.06	12.79	1.05	10.97	0.97																

Performance certified is for installation type B-Free inlet, Ducted outlet. Power rating (BHP) does not include transmission losses. FEI calculation is based on default motor calculation in accordance with ANS/AMCA Standard 208. Performance ratings do not include the effects of appurtenances.

# 402 CLASS 1 | BELT DRIVE - AIR PERFORMANCE

100% Width

Maximum RPM: 1044	Max BHP: (RPM/347) <sup>^3</sup>	Outlet Area: 9.42 Sq.Ft.	Wheel Diameter: 40.25"	Tip Speed: 10.54 X RPM	Max Motor Frame Size: 324T
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RPM	Tip Speed	0.25"SP		0.38"SP		0.75"SP		1"SP		1.5"SP		2"SP		2.63"SP		3.38"SP		4.38"SP		5.88"SP		7.1"SP	
		CFM		CFM		CFM		CFM		CFM		CFM		CFM		CFM		CFM		CFM		CFM	
		BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI
230	2424	4785		3808																			
		0.43	1.72	0.42	1.69																		
325	3426	9107		8143		4814																	
		0.98	1.55	1.00	1.59	0.89	1.51																
420	4427	12816		12130		10016		7991															
		1.69	1.37	1.78	1.43	1.88	1.54	1.81	1.52														
500	5270	15774		15188		13544		12341		8839													
		2.48	1.25	2.62	1.30	2.94	1.40	3.00	1.48	2.78	1.49												
575	6061	18455		17947		16505		15544		13321		10024											
		3.69	1.07	3.82	1.14	4.28	1.24	4.48	1.31	4.53	1.43	4.20	1.42										
650	6851	21103		20653		19371		18517		16779		14664		10723									
		5.29	0.93	5.39	1.00	5.91	1.12	6.23	1.17	6.56	1.29	6.51	1.38	5.92	1.36								
725	7642	23729		23324		22175		21400		19875		18260		15716		11059							
		7.32	0.82	7.39	0.89	7.90	1.01	8.31	1.07	8.91	1.17	9.13	1.27	8.96	1.35	7.83	1.32						
825	8696	27208		26847		25838		25154		23799		22461		20654		17988		12558					
		10.79	0.72	10.80	0.78	11.24	0.90	11.69	0.96	12.58	1.05	13.18	1.13	13.46	1.23	13.22	1.31	11.52	1.29				
950	10013	31531		31212		30332		29740		28553		27379		25916		24069		21068		13948			
		16.53	0.63	16.47	0.67	16.75	0.79	17.17	0.85	18.23	0.93	19.23	1.00	20.10	1.09	20.54	1.18	20.26	1.27	17.15	1.26		
1044	11004	34769		34475		33668		33130		32051		30973		29635		28042		25716		21166		15336	
		22.00	0.58	21.88	0.62	22.02	0.72	22.38	0.78	23.45	0.86	24.64	0.93	25.91	1.00	26.88	1.09	27.27	1.19	26.37	1.27	22.77	1.25

80% Width

Maximum RPM: 1044	Max BHP: (RPM/371) <sup>^3</sup>	Outlet Area: 8.85 Sq.Ft.	Wheel Diameter: 40.25"	Tip Speed: 10.54 X RPM	Max Motor Frame Size: 324T
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RPM	Tip Speed	0.25"SP		0.38"SP		0.75"SP		1"SP		1.5"SP		2"SP		2.63"SP		3.25"SP		4.38"SP		5.75"SP		7"SP	
		CFM		CFM		CFM		CFM		CFM		CFM		CFM		CFM		CFM		CFM		CFM	
		BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI
230	2424	3770		2232																			
		0.31	1.86	0.33	1.34																		
325	3426	7625		6755		3562																	
		0.73	1.68	0.75	1.71	0.66	1.51																
420	4427	10909		10235		8165		6276															
		1.35	1.42	1.47	1.43	1.56	1.50	1.54	1.41														
500	5270	13465		12937		11377		10124		6862													
		2.16	1.19	2.24	1.26	2.47	1.38	2.58	1.39	2.49	1.30												
575	6061	15773		15323		13970		13036		10745		7637											
		3.27	0.99	3.35	1.07	3.53	1.24	3.70	1.30	3.86	1.34	3.69	1.23										
650	6851	18037		17654		16462		15638		13913		11733		7596									
		4.65	0.86	4.81	0.92	4.94	1.10	5.07	1.18	5.43	1.27	5.45	1.30	4.73	1.21								
725	7642	20279		19939		18910		18152		16679		15021		12477		8630							
		6.30	0.77	6.60	0.81	6.80	0.97	6.84	1.06	7.21	1.18	7.54	1.24	7.43	1.28	6.60	1.18						
825	8696	23270		22942		22053		21430		20136		18807		16931		14760		8520					
		9.05	0.68	9.19	0.73	9.61	0.86	9.91	0.92	10.41	1.04	10.71	1.14	10.89	1.22	10.99	1.24	9.37	1.08				
950	10013	26987		26686		25906		25383		24290		23162		21709		20151		16769		10362			
		13.74	0.59	13.88	0.63	14.34	0.74	14.68	0.80	15.35	0.91	15.90	0.99	16.34	1.09	16.57	1.16	16.79	1.21	14.65	1.08		
1044	11004	29773		29489		28763		28291		27321		26309		25010		23697		20985		17037		10908	
		18.18	0.54	18.32	0.58	18.81	0.67	19.17	0.73	19.93	0.83	20.63	0.91	21.30	1.00	21.73	1.08	22.12	1.17	22.27	1.18	19.07	1.05

Performance certified is for installation type B-Free inlet, Ducted outlet. Power rating (BHP) does not include transmission losses. FEI calculation is based on default motor calculation in accordance with ANS/AMCA Standard 208. Performance ratings do not include the effects of appurtenances.

# 402 CLASS 1 | BELT DRIVE - AIR PERFORMANCE

50% Width

Maximum RPM: 1044	Max BHP: (RPM/418) <sup>3</sup>	Outlet Area: 7.85 Sq.Ft.	Wheel Diameter: 40.25"	Tip Speed: 10.54 X RPM	Max Motor Frame Size: 324T
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RPM	Tip Speed	0.25"SP		0.38"SP		0.63"SP		1"SP		1.38"SP		1.88"SP		2.5"SP		3.1"SP		4"SP		5.25"SP		6.38"SP	
		CFM		CFM		CFM		CFM		CFM		CFM		CFM		CFM		CFM		CFM		CFM	
		BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI
230	2424	2528																					
		0.22	1.74																				
325	3426	5070																					
		0.49	1.63	0.51	1.61	0.43	1.51																
420	4427	7393																					
		0.90	1.38	0.95	1.42	1.00	1.46	0.95	1.31														
500	5270	9252																					
		1.41	1.17	1.46	1.24	1.54	1.34	1.68	1.34	1.61	1.25												
575	6061	10878																					
		2.09	0.98	2.17	1.05	2.28	1.16	2.41	1.26	2.58	1.24	2.36	1.17										
650	6851	12477																					
		2.96	0.84	3.07	0.90	3.21	1.01	3.37	1.13	3.54	1.19	3.76	1.18	3.22	1.06								
725	7642	14058																					
		4.05	0.73	4.18	0.79	4.37	0.89	4.56	1.01	4.73	1.10	5.00	1.15	5.23	1.13	4.48	1.04						
825	8696	16150																					
		5.87	0.62	6.03	0.67	6.28	0.76	6.56	0.88	6.77	0.97	7.03	1.07	7.41	1.11	7.70	1.10	6.63	1.02				
950	10013	18746																					
		8.83	0.53	9.04	0.57	9.37	0.65	9.75	0.74	10.05	0.83	10.36	0.93	10.73	1.02	11.16	1.07	11.72	1.07	10.26	1.01		
1044	11004	20690																					
		11.62	0.48	11.86	0.51	12.25	0.58	12.72	0.67	13.10	0.75	13.49	0.84	13.89	0.94	14.30	1.01	15.02	1.05	15.61	1.05	13.50	0.99

Performance certified is for installation type B-Free inlet, Ducted outlet. Power rating (BHP) does not include transmission losses. FEI calculation is based on default motor calculation in accordance with ANS/AMCA Standard 208. Performance ratings do not include the effects of appurtenances.

# 445 CLASS 1 | BELT DRIVE - AIR PERFORMANCE

100% Width

Maximum RPM: 944	Max BHP: (RPM/294) <sup>3</sup>	Outlet Area: 11.51 Sq.Ft.	Wheel Diameter: 44.5"	Tip Speed: 11.65 X RPM	Max Motor Frame Size: 324T
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RPM	Tip Speed	0.25"SP		0.38"SP		0.75"SP		1.38"SP		2"SP		2.63"SP		3.25"SP		3.88"SP		4.75"SP		5.88"SP		7.1"SP	
		CFM		CFM		CFM		CFM		CFM		CFM		CFM		CFM		CFM		CFM		CFM	
		BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI
210	2447	5992		4378																			
		0.54	1.72	0.51	1.59																		
325	3786	12851		11804		7993																	
		1.50	1.47	1.54	1.53	1.50	1.50																
420	4893	17665		16916		14692		8741															
		2.58	1.30	2.71	1.36	2.98	1.46	2.61	1.46														
500	5825	21593		20946		19119		15697		9779													
		4.03	1.12	4.19	1.18	4.72	1.28	4.92	1.44	4.09	1.41												
575	6699	25181		24619		23017		20310		16988		11449											
		6.06	0.95	6.19	1.02	6.81	1.14	7.49	1.28	7.40	1.39	6.30	1.36										
640	7456	28261		27754		26315		23897		21359		17991		12841									
		8.32	0.84	8.42	0.91	9.05	1.03	10.07	1.17	10.38	1.29	10.10	1.36	8.73	1.32								
700	8155	31088		30622		29306		27079		24893		22323		19065		14130							
		10.88	0.77	10.93	0.83	11.52	0.95	12.80	1.08	13.48	1.19	13.53	1.29	13.11	1.33	11.47	1.30						
775	9029	34605		34179		32991		30967		29012		26955		24606		21664		15701					
		14.79	0.69	14.78	0.75	15.27	0.87	16.72	0.99	17.86	1.09	18.38	1.19	18.35	1.27	17.91	1.31	15.61	1.28				
860	10019	38575		38186		37110		35286		33505		31717		29876		27757		24170		17152			
		20.25	0.62	20.18	0.67	20.52	0.79	22.01	0.91	23.55	1.00	24.63	1.08	25.13	1.16	25.13	1.23	24.50	1.28	21.10	1.26		
944	10998	42485		42127		41140		39479		37845		36208		34603		32896		30217		25847		18703	
		26.86	0.58	26.71	0.62	26.89	0.72	28.30	0.84	30.09	0.93	31.64	1.00	32.68	1.07	33.21	1.14	33.20	1.22	32.20	1.27	27.77	1.24

80% Width

Maximum RPM: 944	Max BHP: (RPM/314) <sup>3</sup>	Outlet Area: 10.79 Sq.Ft.	Wheel Diameter: 44.5"	Tip Speed: 11.65 X RPM	Max Motor Frame Size: 324T
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RPM	Tip Speed	0.25"SP		0.38"SP		0.88"SP		1.38"SP		1.88"SP		2.5"SP		3.13"SP		3.75"SP		4.63"SP		5.75"SP		7"SP	
		CFM		CFM		CFM		CFM		CFM		CFM		CFM		CFM		CFM		CFM		CFM	
		BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI
210	2447	4751		2821																			
		0.38	1.88	0.40	1.36																		
325	3786	10829		9835		4952																	
		1.21	1.50	1.20	1.59	1.10	1.41																
420	4893	15101		14370		11350		6262															
		2.14	1.30	2.27	1.34	2.54	1.44	2.23	1.24														
500	5825	18455		17872		15544		12680		8508													
		3.55	1.05	3.64	1.12	4.00	1.31	4.22	1.35	3.91	1.23												
575	6699	21536		21048		19008		16898		14221		9391											
		5.25	0.89	5.45	0.95	5.78	1.16	6.17	1.27	6.27	1.30	5.64	1.19										
640	7456	24168		23745		21922		20088		18037		14924		9736									
		6.99	0.81	7.33	0.85	7.82	1.04	8.18	1.18	8.52	1.25	8.52	1.27	7.04	1.20								
700	8155	26578		26199		24574		22854		21168		18585		15641		10400							
		8.85	0.75	9.31	0.78	10.10	0.94	10.47	1.08	10.85	1.18	11.11	1.24	11.06	1.25	8.77	1.21						
775	9029	29602		29211		27791		26292		24753		22728		20328		17657		11982					
		12.38	0.65	12.54	0.70	13.27	0.86	13.98	0.98	14.48	1.07	14.82	1.17	14.98	1.22	15.06	1.11	13.45	1.11				
860	10019	33016		32649		31365		30049		28677		26945		25057		22940		19543		12784			
		16.83	0.59	17.01	0.63	17.79	0.77	18.62	0.88	19.34	0.97	19.93	1.07	20.27	1.15	20.45	1.20	20.58	1.20	18.03	1.07		
944	10998	36381		36034		34846		33673		32445		30886		29269		27566		24807		20804		13282	
		22.20	0.54	22.38	0.58	23.20	0.70	24.12	0.81	25.00	0.89	25.87	0.98	26.45	1.06	26.79	1.13	27.08	1.18	27.19	1.18	23.25	1.04

Performance certified is for installation type B-Free inlet, Ducted outlet. Power rating (BHP) does not include transmission losses. FEI calculation is based on default motor calculation in accordance with ANSI/AMCA Standard 208. Performance ratings do not include the effects of appurtenances.

# 445 CLASS 1 | BELT DRIVE - AIR PERFORMANCE

50% Width

Maximum RPM: 944	Max BHP: (RPM/353) <sup>3</sup>	Outlet Area: 9.56 Sq.Ft.	Wheel Diameter: 44.5"	Tip Speed: 11.65 X RPM	Max Motor Frame Size: 324T
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RPM	Tip Speed	0.25"SP		0.38"SP		0.88"SP		1.25"SP		1.75"SP		2.38"SP		2.88"SP		3.5"SP		4.25"SP		5.25"SP		6.38"SP																	
		CFM		CFM		CFM		CFM		CFM		CFM		CFM		CFM		CFM		CFM		CFM																	
		BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI																
210	2447	3170																																					
		0.28	1.74																																				
325	3786	7232		6444		3695																																	
		0.78	1.49	0.78	1.58	0.77	1.50																																
420	4893	10322		9683		7183		4271																															
		1.41	1.27	1.48	1.32	1.67	1.36	1.36	1.29																														
500	5825	12713		12215		10190		8561		5560																													
		2.29	1.03	2.37	1.10	2.60	1.27	2.79	1.26	2.53	1.18																												
575	6699	14881		14458		12732		11402		9451		5729																											
		3.40	0.86	3.52	0.92	3.81	1.12	4.00	1.20	4.28	1.19	3.70	1.08																										
640	7456	16736		16359		14836		13662		12011		9714		7010																									
		4.62	0.75	4.76	0.81	5.14	1.00	5.34	1.10	5.66	1.16	5.94	1.13	5.28	1.08																								
700	8155	18437		18090		16721		15657		14190		12216		10506		7219																							
		5.97	0.67	6.14	0.73	6.62	0.90	6.85	1.01	7.15	1.10	7.61	1.12	7.77	1.10	6.74	1.04																						
775	9029	20551		20234		19017		18070		16763		15067		13635		11731		8297																					
		8.00	0.59	8.22	0.64	8.81	0.80	9.11	0.90	9.43	1.01	9.89	1.08	10.30	1.09	10.55	1.08	9.27	1.03																				
860	10019	22935		22645		21558		20723		19557		18065		16846		15254		13193		9096																			
		10.82	0.53	11.07	0.57	11.81	0.71	12.20	0.80	12.60	0.91	13.06	1.01	13.47	1.05	14.03	1.07	14.42	1.06	12.61	1.01																		
944	10998	25282		25013		24024		23278		22233		20885		19802		18424		16664		14134		9639																	
		14.19	0.48	14.48	0.51	15.37	0.64	15.85	0.72	16.36	0.82	16.88	0.92	17.28	0.98	17.84	1.03	18.58	1.05	19.06	1.04	16.47	0.98																

Performance certified is for installation type B-Free inlet, Ducted outlet. Power rating (BHP) does not include transmission losses. FEI calculation is based on default motor calculation in accordance with ANS/AMCA Standard 208. Performance ratings do not include the effects of appurtenances.

# 490 CLASS 1 | BELT DRIVE - AIR PERFORMANCE

100% Width

Maximum RPM: 857	Max BHP: (RPM/250) <sup>3</sup>	Outlet Area: 13.93 Sq.Ft.	Wheel Diameter: 49"	Tip Speed: 12.83 X RPM	Max Motor Frame Size: 326T
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RPM	Tip Speed	0.25"SP		0.38"SP		0.88"SP		1.5"SP		1.75"SP		2.38"SP		3.2"SP		4.1"SP		5.1"SP		6.1"SP		7.1"SP	
		CFM		CFM		CFM		CFM		CFM		CFM		CFM		CFM		CFM		CFM		CFM	
		BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI
190	2438	7197		5424																			
		0.65	1.72	0.62	1.62																		
300	3849	15921		14682		7755																	
		1.88	1.46	1.93	1.52	1.70	1.42																
360	4619	19998		19030		14924		9780															
		2.75	1.34	2.89	1.40	3.11	1.54	2.68	1.67														
425	5453	24305		23466		20270		14915		11139													
		4.04	1.21	4.25	1.26	4.88	1.40	4.71	1.49	4.07	1.44												
500	6415	29120		28408		25683		22149		20382		13801											
		6.46	1.00	6.64	1.07	7.59	1.21	8.01	1.36	7.93	1.40	6.88	1.37										
575	7377	33874		33252		30869		27959		26728		22994		15119									
		9.77	0.85	9.89	0.92	10.96	1.07	11.99	1.20	12.15	1.25	12.01	1.35	10.11	1.32								
650	8340	38590		38035		35926		33334		32303		29548		24991		16948							
		14.11	0.75	14.15	0.81	15.18	0.96	16.70	1.08	17.12	1.13	17.60	1.23	17.21	1.32	14.52	1.29						
725	9302	43280		42777		40885		38543		37611		35270		31907		27161		18912					
		19.61	0.67	19.58	0.72	20.45	0.87	22.26	0.99	22.91	1.03	24.03	1.12	24.41	1.23	23.75	1.30	20.15	1.27				
800	10264	47952		47490		45770		43644		42790		40666		37865		34346		29361		22010			
		26.41	0.61	26.30	0.66	26.95	0.80	28.86	0.91	29.67	0.95	31.38	1.03	32.60	1.13	32.73	1.23	31.76	1.28	28.13	1.25		
857	10995	51493		51058		49446		47463		46662		44663		42092		39092		35119		30071		22619	
		32.53	0.58	32.36	0.62	32.82	0.75	34.69	0.86	35.58	0.90	37.65	0.97	39.50	1.07	40.32	1.16	39.95	1.24	38.61	1.27	33.57	1.24

80% Width

Maximum RPM: 857	Max BHP: (RPM/267) <sup>3</sup>	Outlet Area: 13.05 Sq.Ft.	Wheel Diameter: 49"	Tip Speed: 12.83 X RPM	Max Motor Frame Size: 326T
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RPM	Tip Speed	0.25"SP		0.38"SP		0.88"SP		1.25"SP		1.63"SP		2.25"SP		3"SP		3.88"SP		5"SP		6"SP		7"SP	
		CFM		CFM		CFM		CFM		CFM		CFM		CFM		CFM		CFM		CFM		CFM	
		BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI
190	2438	5691		3378																			
		0.46	1.87	0.49	1.34																		
300	3849	13432		12249		6305																	
		1.50	1.51	1.53	1.57	1.45	1.36																
360	4619	17059		16103		12023		6974															
		2.23	1.37	2.40	1.39	2.64	1.45	2.24	1.26														
425	5453	20756		20000		16928		14084		10073													
		3.54	1.14	3.65	1.21	4.09	1.37	4.25	1.37	4.01	1.26												
500	6415	24891		24272		21702		19711		17195		11776											
		5.71	0.92	5.87	0.99	6.21	1.22	6.59	1.28	6.72	1.31	6.40	1.20										
575	7377	28950		28429		26220		24540		22768		19127		12961									
		8.46	0.79	8.84	0.84	9.12	1.06	9.45	1.17	9.91	1.22	10.02	1.28	9.31	1.17								
650	8340	32979		32509		30643		29110		27587		24944		20871		13653							
		11.78	0.71	12.49	0.74	13.10	0.92	13.19	1.04	13.61	1.12	14.40	1.20	14.24	1.25	12.23	1.18						
725	9302	37028		36563		34892		33604		32240		29968		26890		22574		13714					
		16.38	0.63	16.58	0.68	17.48	0.83	18.17	0.92	18.77	1.00	19.40	1.10	19.77	1.20	19.96	1.21	17.10	1.06				
800	10264	41047		40608		39084		37947		36732		34705		32160		28723		23573		16291			
		21.92	0.58	22.13	0.62	23.09	0.75	23.86	0.84	24.62	0.91	25.58	1.01	26.25	1.11	26.63	1.19	26.79	1.19	23.79	1.08		
857	10995	44094		43674		42233		41186		40072		38195		35880		32940		28510		23981		16032	
		26.88	0.54	27.10	0.58	28.10	0.70	28.92	0.78	29.76	0.85	30.96	0.94	31.92	1.05	32.52	1.14	32.90	1.19	32.79	1.16	28.12	1.04

Performance certified is for installation type B-Free inlet, Ducted outlet. Power rating (BHP) does not include transmission losses. FEI calculation is based on default motor calculation in accordance with ANS/AMCA Standard 208. Performance ratings do not include the effects of appurtenances.



# 490 CLASS 1 | BELT DRIVE - AIR PERFORMANCE

50% Width

Maximum RPM: 857	Max BHP: (RPM/302) <sup>3</sup>	Outlet Area: 11.56 Sq.Ft.	Wheel Diameter: 49"	Tip Speed: 12.83 X RPM	Max Motor Frame Size: 326T
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RPM	Tip Speed	0.25"SP		0.5"SP		0.88"SP		1.13"SP		1.5"SP		2.13"SP		2.88"SP		3.63"SP		4.5"SP		5.5"SP		6.38"SP	
		CFM		CFM		CFM		CFM		CFM		CFM		CFM		CFM		CFM		CFM		CFM	
		BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI
190	2438	3805																					
		0.33	1.73																				
300	3849	8987																					
		0.99	1.47	1.03	1.53																		
360	4619	11604																					
		1.48	1.33	1.59	1.42	1.76	1.35	1.33	1.34														
425	5453	14275																					
		2.30	1.11	2.45	1.24	2.65	1.33	2.79	1.29	2.60	1.21												
500	6415	17191																					
		3.64	0.91	3.87	1.03	4.10	1.17	4.25	1.22	4.50	1.21	4.08	1.13										
575	7377	20056																					
		5.43	0.76	5.74	0.87	6.05	1.01	6.21	1.08	6.47	1.15	6.93	1.14	6.00	1.05								
650	8340	22893																					
		7.71	0.65	8.11	0.75	8.54	0.88	8.74	0.95	9.01	1.04	9.54	1.11	10.07	1.10	8.84	1.04						
725	9302	25711																					
		10.57	0.57	11.06	0.66	11.61	0.77	11.88	0.84	12.21	0.93	12.73	1.04	13.47	1.08	13.98	1.07	12.33	1.02				
800	10264	28517																					
		14.06	0.51	14.65	0.59	15.32	0.69	15.67	0.75	16.10	0.83	16.68	0.95	17.40	1.03	18.23	1.06	18.79	1.05	16.47	1.00		
857	10995	30642																					
		17.18	0.48	17.84	0.54	18.61	0.64	19.03	0.70	19.53	0.77	20.20	0.88	20.93	0.98	21.77	1.04	22.77	1.05	22.91	1.04	19.93	0.98

Performance certified is for installation type B-Free inlet, Ducted outlet. Power rating (BHP) does not include transmission losses. FEI calculation is based on default motor calculation in accordance with ANS/AMCA Standard 208. Performance ratings do not include the effects of appurtenances.

# 542 CLASS 1 | BELT DRIVE - AIR PERFORMANCE

100% Width

Maximum RPM: 774	Max BHP: (RPM/211) <sup>^3</sup>	Outlet Area: 17.06 Sq.Ft.	Wheel Diameter: 54.25"	Tip Speed: 14.2 X RPM	Max Motor Frame Size: 364T
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RPM	Tip Speed	0.25"SP		0.5"SP		0.88"SP		1.5"SP		1.88"SP		2.75"SP		3.5"SP		4.38"SP		5.38"SP		6.25"SP		7.1"SP	
		CFM		CFM		CFM		CFM		CFM		CFM		CFM		CFM		CFM		CFM		CFM	
		BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI
170	2414	8607																					
		0.77	1.72																				
275	3905	19896		16989		10214																	
		2.37	1.45	2.49	1.54	2.21	1.43																
360	5112	27635		25599		22294		13749															
		4.24	1.26	4.65	1.36	5.01	1.46	4.40	1.45														
425	6035	33386		31601		28923		24000		19690													
		6.64	1.07	7.15	1.18	7.91	1.27	8.13	1.43	7.77	1.43												
490	6958	39003		37455		35106		31290		28591		19238											
		10.07	0.91	10.52	1.03	11.53	1.13	12.48	1.26	12.51	1.34	11.10	1.34										
550	7810	44141		42758		40660		37288		35178		29189		21068									
		14.21	0.80	14.55	0.91	15.63	1.02	17.19	1.14	17.64	1.21	17.41	1.34	15.46	1.31								
610	8662	49249		47994		46104		43036		41185		36592		31473		22295							
		19.40	0.72	19.60	0.82	20.64	0.93	22.65	1.05	23.52	1.11	24.19	1.24	23.61	1.31	20.44	1.28						
675	9585	54758		53613		51906		49118		47431		43555		39766		34145		24441					
		26.34	0.65	26.36	0.74	27.27	0.85	29.55	0.96	30.81	1.02	32.54	1.14	32.74	1.23	31.85	1.29	27.51	1.26				
725	10295	58982		57908		56316		53718		52135		48561		45327		40857		34302		25684			
		32.70	0.61	32.59	0.69	33.35	0.80	35.69	0.91	37.18	0.96	39.67	1.07	40.57	1.16	40.33	1.25	38.81	1.28	33.54	1.25		
774	10991	63113		62099		60604		58172		56682		53320		50408		46651		41465		35748		27709	
		39.87	0.58	39.61	0.65	40.22	0.75	42.52	0.86	44.16	0.91	47.33	1.02	48.91	1.10	49.43	1.19	48.61	1.26	46.90	1.26	41.13	1.24

80% Width

Maximum RPM: 774	Max BHP: (RPM/226) <sup>^3</sup>	Outlet Area: 15.98 Sq.Ft.	Wheel Diameter: 54.25"	Tip Speed: 14.2 X RPM	Max Motor Frame Size: 364T
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RPM	Tip Speed	0.25"SP		0.5"SP		0.88"SP		1.5"SP		2"SP		2.75"SP		3.38"SP		4.25"SP		5.25"SP		6.1"SP		7"SP	
		CFM		CFM		CFM		CFM		CFM		CFM		CFM		CFM		CFM		CFM		CFM	
		BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI
170	2414	6762																					
		0.55	1.85																				
275	3905	16806		14066		8163																	
		1.88	1.51	1.93	1.62	1.88	1.35																
360	5112	23633		21676		18463		9691															
		3.60	1.23	3.91	1.34	4.25	1.41	3.72	1.21														
425	6035	28529		26924		24372		19345		13496													
		5.88	0.99	6.11	1.14	6.50	1.28	6.93	1.33	6.55	1.22												
490	6958	33325		31996		29758		26011		22174		12963											
		8.90	0.83	9.29	0.95	9.46	1.13	10.31	1.25	10.38	1.29	8.11	1.23										
550	7810	37711		36550		34619		31327		28495		23156		16393									
		12.30	0.74	13.11	0.83	13.18	0.99	13.86	1.16	14.61	1.21	14.38	1.27	13.12	1.16								
610	8662	42120		40998		39316		36406		33981		29816		25685		17310							
		16.28	0.68	16.76	0.77	17.57	0.89	18.72	1.04	19.26	1.13	19.63	1.23	19.78	1.23	17.78	1.11						
675	9585	46855		45810		44308		41729		39581		36198		32922		27722		18423					
		21.96	0.61	22.46	0.70	23.34	0.81	24.76	0.94	25.61	1.03	26.32	1.14	26.61	1.20	26.80	1.20	23.63	1.08				
725	10295	50489		49490		48090		45731		43745		40702		37929		33484		27621		19097			
		27.13	0.57	27.66	0.65	28.57	0.75	30.15	0.88	31.23	0.96	32.27	1.08	32.74	1.15	33.09	1.19	33.04	1.17	28.78	1.06		
774	10991	54045		53084		51763		49587		47746		44931		42478		38682		33622		28746		19630	
		32.94	0.54	33.49	0.61	34.44	0.70	36.13	0.83	37.40	0.91	38.79	1.01	39.50	1.09	40.03	1.16	40.38	1.18	40.06	1.16	34.44	1.03

Performance certified is for installation type B-Free inlet, Ducted outlet. Power rating (BHP) does not include transmission losses. FEI calculation is based on default motor calculation in accordance with ANS/AMCA Standard 208. Performance ratings do not include the effects of appurtenances.

# 542 CLASS 1 | BELT DRIVE - AIR PERFORMANCE

50% Width

Maximum RPM: 774		Max BHP: (RPM/254) <sup>3</sup>		Outlet Area: 14.18 Sq.Ft.		Wheel Diameter: 54.25"		Tip Speed: 14.2 X RPM		Max Motor Frame Size: 364T													
RPM	Tip Speed	0.25"SP		0.5"SP		0.75"SP		1.25"SP		1.88"SP		2.5"SP		3.25"SP		4"SP		4.88"SP		5.63"SP		6.38"SP	
		CFM		CFM		CFM		CFM		CFM		CFM		CFM		CFM		CFM		CFM		CFM	
		BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI	BHP	FEI
170	2414	4545																					
		0.40	1.72																				
275	3905	11264		9076		6193																	
		1.26	1.46	1.30	1.53	1.29	1.35																
360	5112	16222		14482		12790		8692															
		2.36	1.21	2.53	1.32	2.67	1.37	2.80	1.26														
425	6035	19677		18291		16843		13790		8549													
		3.76	0.98	4.00	1.10	4.17	1.20	4.54	1.25	4.19	1.15												
490	6958	23067		21895		20663		18124		14644		9844											
		5.63	0.81	5.97	0.93	6.20	1.03	6.59	1.16	7.13	1.16	6.41	1.10										
550	7810	26160		25126		24055		21824		18900		15742		9728									
		7.84	0.70	8.27	0.81	8.58	0.90	9.03	1.05	9.62	1.13	10.14	1.12	8.68	1.01								
610	8662	29231		28299		27353		25370		22801		20131		16589		10759							
		10.56	0.62	11.08	0.71	11.48	0.80	12.05	0.94	12.65	1.06	13.35	1.10	13.85	1.08	11.84	0.99						
675	9585	32541		31691		30847		29091		26794		24482		21504		18262		12120					
		14.15	0.55	14.78	0.63	15.28	0.71	16.01	0.84	16.69	0.97	17.37	1.05	18.32	1.07	18.76	1.06	16.09	0.98				
725	10295	35077		34278		33496		31885		29765		27640		24974		22124		18393		13014			
		17.41	0.51	18.12	0.58	18.70	0.65	19.58	0.77	20.36	0.90	21.05	0.99	22.02	1.05	22.99	1.06	23.00	1.04	19.93	0.97		
774	10991	37557		36800		36068		34577		32612		30634		28196		25632		22423		19316		14264	
		21.06	0.48	21.86	0.54	22.51	0.61	23.53	0.72	24.46	0.84	25.19	0.94	26.13	1.01	27.23	1.04	28.24	1.04	27.86	1.03	24.41	0.97

Performance certified is for installation type B-Free inlet, Ducted outlet. Power rating (BHP) does not include transmission losses. FEI calculation is based on default motor calculation in accordance with ANS/AMCA Standard 208. Performance ratings do not include the effects of appurtenances.

# 060 CLASS 1 | BELT & DIRECT DRIVE - SOUND PERFORMANCE

100% Width

RPM	Nominal Ps	INLET SOUND POWER BY OCTAVE BANDS dB Lwi								LwiA
		63	125	250	500	1000	2000	4000	8000	
1050	0.00	64	72	63	59	53	50	41	33	62
	0.06	64	72	62	59	53	50	42	34	61
	0.13	63	71	62	58	53	50	42	35	61
	0.25	62	70	61	57	53	50	43	36	60
1750	0.00	73	78	84	73	68	63	58	50	77
	0.25	73	77	83	72	68	63	59	51	77
	0.50	73	76	82	71	68	63	59	52	76
	0.75	73	75	81	71	67	63	59	52	75
3000	0.00	83	85	91	90	84	79	74	68	90
	1.00	84	85	90	89	83	78	74	69	89
	2.00	84	84	89	88	82	78	74	69	89
	2.75	85	84	88	87	81	78	74	70	88
4400	0.00	92	92	95	104	94	90	84	81	102
	1.50	92	92	94	103	93	90	84	81	102
	3.00	92	92	93	102	93	89	84	81	101
	6.00	93	93	92	101	91	88	84	81	99

RPM	Nominal Ps	OUTLET SOUND POWER BY OCTAVE BANDS dB Lwo								LwoA
		63	125	250	500	1000	2000	4000	8000	
1050	0.00	76	76	67	61	60	53	44	36	66
	0.06	76	76	66	60	60	52	44	36	65
	0.13	75	76	66	60	59	52	44	37	65
	0.25	75	76	65	58	57	50	44	38	64
1750	0.00	91	86	83	76	72	70	62	53	80
	0.25	92	85	82	75	71	68	61	53	79
	0.50	92	85	81	74	70	67	60	53	78
	0.75	92	85	80	74	69	66	59	53	77
3000	0.00	105	102	96	92	87	84	80	72	94
	1.00	106	102	96	91	85	82	78	71	94
	2.00	106	102	95	90	84	81	76	70	93
	2.75	106	102	95	89	83	79	75	69	92
4400	0.00	113	113	107	103	98	92	92	85	105
	1.50	114	114	107	102	97	91	91	84	105
	3.00	114	114	107	101	97	90	90	83	105
	6.00	114	114	107	100	96	88	88	80	104

The sound power level ratings shown are in decibels, referred to 10-12 watts, calculated per AMCA International Standard 301. The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. Values shown are for inlet LWi and inlet LWiA sound power levels for Installation Type B: free inlet, ducted outlet. Values shown are for outlet Lwo and outlet LwoA sound power levels for Installation Type B: free inlet, ducted outlet. Ratings include the effects of duct end correction.

# 070 CLASS 1 | BELT & DIRECT DRIVE - SOUND PERFORMANCE

100% Width

RPM	Nominal Ps	INLET SOUND POWER BY OCTAVE BANDS dB Lwi								LwiA
		63	125	250	500	1000	2000	4000	8000	
1050	0.00	82	82	63	60	53	50	41	33	68
	0.06	78	80	63	60	53	50	41	33	66
	0.13	75	78	62	59	53	50	42	34	64
	0.25	68	73	62	59	53	50	42	34	62
1750	0.00	80	90	85	74	69	63	58	50	80
	0.25	78	87	84	73	69	63	59	51	78
	0.50	76	83	83	72	69	63	59	51	77
	0.75	75	79	82	72	68	63	59	51	76
3000	0.00	85	96	100	91	85	79	74	68	94
	1.00	85	92	96	90	84	79	74	69	92
	2.00	85	88	92	89	83	79	74	69	90
	2.75	85	85	90	88	83	79	75	69	89
4400	0.00	93	93	113	105	95	92	84	81	107
	1.50	93	93	108	104	94	91	84	81	104
	3.00	93	93	103	103	93	91	84	81	102
	6.00	93	93	94	101	92	90	85	81	100

RPM	Nominal Ps	OUTLET SOUND POWER BY OCTAVE BANDS dB Lwo								LwoA
		63	125	250	500	1000	2000	4000	8000	
1050	0.00	95	97	66	59	58	52	43	33	82
	0.06	94	95	65	58	57	51	42	33	80
	0.13	92	93	65	58	56	49	41	33	78
	0.25	88	90	66	57	54	48	41	33	75
1750	0.00	99	102	89	75	70	68	61	51	88
	0.25	102	99	85	75	69	66	59	50	85
	0.50	106	96	83	75	68	65	58	50	85
	0.75	111	95	84	75	67	63	57	50	87
3000	0.00	107	114	109	94	85	82	78	70	103
	1.00	115	115	105	92	84	80	76	68	102
	2.00	126	119	103	92	84	79	74	67	105
	2.75	134	121	102	93	85	78	73	67	111
4400	0.00	115	115	128	109	98	91	89	84	120
	1.50	119	119	125	103	97	89	88	82	117
	3.00	127	127	123	103	97	89	87	81	117
	6.00	143	143	118	104	99	88	84	78	128

The sound power level ratings shown are in decibels, referred to 10-12 watts, calculated per AMCA International Standard 301. The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. Values shown are for inlet LWi and inlet LWiA sound power levels for Installation Type B: free inlet, ducted outlet. Values shown are for outlet Lwo and outlet LwoA sound power levels for Installation Type B: free inlet, ducted outlet. Ratings include the effects of duct end correction.

# 080 CLASS 1 | BELT & DIRECT DRIVE - SOUND PERFORMANCE

100% Width

RPM	Nominal Ps	INLET SOUND POWER BY OCTAVE BANDS dB Lwi								LwiA
		63	125	250	500	1000	2000	4000	8000	
1050	0.00	78	79	64	60	53	50	42	35	65
	0.06	76	76	63	59	53	49	42	35	64
	0.13	73	73	62	59	52	49	42	34	62
	0.25	67	71	61	58	52	49	41	33	60
1750	0.00	78	87	82	74	69	63	59	51	78
	0.25	80	85	81	73	68	63	58	51	77
	0.50	74	81	81	72	68	63	58	51	76
	0.75	73	78	81	71	67	62	58	50	75
3000	0.00	83	93	97	90	85	79	74	69	92
	1.00	90	94	95	89	83	78	74	68	91
	2.00	83	86	91	88	82	78	73	68	89
	2.75	80	83	90	87	82	78	73	68	88
4400	0.00	92	92	110	102	95	92	84	81	104
	1.50	97	97	106	102	94	91	84	81	102
	3.00	102	102	103	101	93	90	83	81	101
	6.00	88	88	94	101	91	89	83	81	99

RPM	Nominal Ps	OUTLET SOUND POWER BY OCTAVE BANDS dB Lwo								LwoA
		63	125	250	500	1000	2000	4000	8000	
1050	0.00	94	96	66	60	58	53	43	33	81
	0.06	96	97	66	59	57	51	42	33	82
	0.13	91	93	65	58	56	50	41	33	78
	0.25	82	83	63	56	53	47	39	32	68
1750	0.00	99	100	85	76	71	68	61	52	86
	0.25	106	101	83	75	69	66	60	51	87
	0.50	104	96	82	73	68	64	58	50	83
	0.75	100	88	80	72	66	62	55	48	79
3000	0.00	107	114	107	93	86	82	78	71	102
	1.00	114	115	104	91	84	80	76	69	102
	2.00	116	111	99	89	82	78	73	66	98
	2.75	115	105	93	88	80	76	71	64	94
4400	0.00	116	116	127	105	98	91	90	84	119
	1.50	124	124	129	103	97	90	88	83	121
	3.00	125	125	123	102	96	88	86	80	116
	6.00	123	123	104	100	93	85	83	76	109

The sound power level ratings shown are in decibels, referred to 10-12 watts, calculated per AMCA International Standard 301. The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. Values shown are for inlet Lwi and inlet LwiA sound power levels for Installation Type B: free inlet, ducted outlet. Values shown are for outlet Lwo and outlet LwoA sound power levels for Installation Type B: free inlet, ducted outlet. Ratings include the effects of duct end correction.

# 105 CLASS 1 | BELT & DIRECT DRIVE - SOUND PERFORMANCE

100% Width

RPM	Nominal Ps	INLET SOUND POWER BY OCTAVE BANDS dB Lwi								LwiA
		63	125	250	500	1000	2000	4000	8000	
1050	0.00	56	61	60	57	56	52	44	36	60
	0.06	56	62	60	57	55	51	44	36	60
	0.13	55	62	59	56	54	51	43	36	59
	0.25	54	63	58	55	53	50	43	36	58
1750	0.00	66	68	73	70	68	66	61	53	73
	0.25	65	69	74	70	67	65	60	53	73
	0.50	65	68	74	69	66	64	59	52	72
	1.00	65	69	74	68	64	62	57	51	71
3000	0.00	78	78	82	83	81	79	77	71	87
	1.00	77	77	82	83	80	78	76	70	86
	2.00	76	76	82	83	80	77	74	69	85
	3.25	77	78	83	83	78	75	72	67	84
4400	0.00	86	86	86	93	91	89	87	84	96
	2.00	84	84	86	94	91	88	86	82	96
	4.00	84	84	85	94	90	87	85	81	95
	6.75	85	85	88	94	89	85	83	79	95

RPM	Nominal Ps	OUTLET SOUND POWER BY OCTAVE BANDS dB Lwo								LwoA
		63	125	250	500	1000	2000	4000	8000	
1050	0.00	64	64	65	58	57	53	43	33	62
	0.06	63	63	65	57	56	51	42	34	61
	0.13	63	63	63	56	55	50	41	33	60
	0.25	62	62	61	54	52	47	40	33	58
1750	0.00	83	74	75	74	69	67	62	52	75
	0.25	82	74	74	74	68	65	59	51	74
	0.50	82	73	72	71	66	63	58	50	73
	1.00	85	74	71	67	63	60	55	48	70
3000	0.00	99	92	86	88	84	80	78	71	90
	1.00	99	92	85	86	82	78	75	69	88
	2.00	98	91	84	84	81	76	73	66	86
	3.25	103	95	86	79	77	74	71	65	85
4400	0.00	108	108	95	94	96	89	88	85	100
	2.00	106	106	94	93	96	88	86	81	99
	4.00	107	107	94	91	93	86	84	79	97
	6.75	111	111	97	92	87	84	82	77	98

The sound power level ratings shown are in decibels, referred to 10-12 watts, calculated per AMCA International Standard 301. The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. Values shown are for inlet Lwi and inlet LwiA sound power levels for Installation Type B: free inlet, ducted outlet. Values shown are for outlet Lwo and outlet LwoA sound power levels for Installation Type B: free inlet, ducted outlet. Ratings include the effects of duct end correction.

# 122 CLASS 1 | BELT & DIRECT DRIVE - SOUND PERFORMANCE

100% Width

RPM	Nominal Ps	INLET SOUND POWER BY OCTAVE BANDS dB Lwi								LwiA
		63	125	250	500	1000	2000	4000	8000	
1050	0.00	69	69	64	60	60	59	54	48	65
	0.25	68	68	63	59	59	60	56	53	66
	0.38	68	68	63	58	59	60	58	56	66
	0.50	67	67	61	58	58	55	51	47	63
2000	0.00	83	83	83	78	74	74	72	67	82
	0.75	82	82	83	77	73	74	73	70	82
	1.50	82	81	82	75	72	72	69	65	80
	2.25	82	81	82	74	71	71	67	64	79
2500	0.00	87	87	88	84	79	79	78	74	87
	1.00	87	87	89	84	78	78	80	77	87
	2.00	87	86	88	83	78	78	79	77	87
	3.50	88	85	87	80	76	77	74	70	84
3550	0.00	95	95	95	94	89	86	86	84	96
	2.00	95	95	95	94	89	86	87	86	96
	4.00	95	94	95	93	88	85	86	86	95
	7.50	96	94	93	91	85	84	82	78	93

RPM	Nominal Ps	OUTLET SOUND POWER BY OCTAVE BANDS dB Lwo								LwoA
		63	125	250	500	1000	2000	4000	8000	
1050	0.00	68	68	64	61	61	57	47	37	65
	0.25	66	66	63	59	58	53	45	36	62
	0.38	65	65	62	58	56	51	43	36	61
	0.50	68	69	61	56	55	51	44	37	60
2000	0.00	95	83	83	78	75	75	70	60	82
	0.75	93	80	81	77	74	72	67	58	80
	1.50	94	82	80	75	71	69	65	58	78
	2.25	94	83	79	73	68	67	63	57	77
2500	0.00	104	88	88	84	80	80	78	68	88
	1.00	101	86	86	84	80	79	75	66	87
	2.00	100	85	84	82	78	76	72	64	85
	3.50	102	90	84	80	74	73	70	64	83
3550	0.00	111	105	95	94	90	88	87	81	97
	2.00	109	102	93	93	90	87	85	78	96
	4.00	108	101	91	91	88	85	82	76	94
	7.50	110	105	95	89	84	80	79	75	94

80% Width

RPM	Nominal Ps	INLET SOUND POWER BY OCTAVE BANDS dB Lwi								LwiA
		63	125	250	500	1000	2000	4000	8000	
1050	0.00	69	76	67	65	64	60	51	42	69
	0.25	70	75	66	64	63	59	51	42	68
	0.38	72	75	66	64	63	59	51	42	68
	0.50	73	75	66	64	63	59	51	43	68
2000	0.00	79	83	92	80	79	78	73	65	87
	0.75	83	84	90	79	78	77	73	65	86
	1.50	86	86	89	79	78	77	73	64	85
	2.25	88	88	89	79	78	77	73	65	85
2500	0.00	83	86	93	90	83	83	80	73	91
	1.00	87	88	92	89	83	83	79	72	91
	2.00	90	90	93	88	82	83	79	72	91
	3.50	93	93	93	88	82	83	79	72	91
3550	0.00	91	91	97	104	90	92	90	85	103
	2.00	94	94	97	103	89	91	89	85	102
	4.00	97	97	98	102	89	91	89	84	101
	7.20	101	101	100	101	89	91	89	84	101

RPM	Nominal Ps	OUTLET SOUND POWER BY OCTAVE BANDS dB Lwo								LwoA
		63	125	250	500	1000	2000	4000	8000	
1050	0.00	73	70	64	60	61	57	49	39	65
	0.25	71	69	62	57	58	54	46	37	62
	0.38	71	68	60	56	56	54	46	36	61
	0.50	71	69	60	55	55	53	46	36	61
2000	0.00	99	86	85	77	74	75	71	62	83
	0.75	98	84	84	75	72	72	68	60	81
	1.50	98	83	83	73	69	70	67	59	80
	2.25	101	84	84	72	68	68	66	59	80
2500	0.00	104	96	89	85	79	79	78	70	89
	1.00	103	95	88	84	77	77	75	68	87
	2.00	103	94	87	83	75	75	74	67	86
	3.50	106	96	87	81	73	73	72	67	86
3550	0.00	112	112	96	97	88	86	88	82	100
	2.00	111	111	94	97	86	84	86	80	99
	4.00	111	111	93	96	84	82	83	79	98
	7.20	114	114	93	96	82	80	81	79	100

The sound power level ratings shown are in decibels, referred to 10-12 watts, calculated per AMCA International Standard 301. The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. Values shown are for inlet LWi and inlet LWiA sound power levels for Installation Type B: free inlet, ducted outlet. Values shown are for outlet Lwo and outlet LwoA sound power levels for Installation Type B: free inlet, ducted outlet. Ratings include the effects of duct end correction.

# 135 CLASS 1 | BELT & DIRECT DRIVE - SOUND PERFORMANCE

100% Width

RPM	Nominal Ps	INLET SOUND POWER BY OCTAVE BANDS dB Lwi								LwiA
		63	125	250	500	1000	2000	4000	8000	
1050	0.00	72	72	67	63	63	62	56	51	68
	0.25	71	71	66	62	62	62	59	55	68
	0.50	70	70	64	61	61	59	55	50	66
	0.75	70	70	63	60	60	57	53	49	65
1750	0.00	83	83	84	77	74	74	71	66	81
	0.75	82	83	83	76	73	74	73	69	81
	1.50	82	82	82	74	72	72	68	64	79
	2.00	82	81	82	73	72	71	67	64	79
2500	0.00	90	90	91	87	82	82	81	77	90
	1.50	90	90	91	86	81	81	82	79	90
	3.00	91	89	90	84	80	80	78	74	88
	4.25	91	88	90	83	79	80	77	73	87
3222	0.00	96	96	96	94	89	87	87	84	96
	2.00	95	95	96	94	89	87	88	87	97
	4.00	96	95	96	93	88	86	87	87	96
	7.50	96	95	94	91	86	85	83	79	93

RPM	Nominal Ps	OUTLET SOUND POWER BY OCTAVE BANDS dB Lwo								LwoA
		63	125	250	500	1000	2000	4000	8000	
1050	0.00	71	71	67	64	64	60	50	40	68
	0.25	69	69	66	63	61	56	48	40	66
	0.50	71	71	64	60	59	55	47	40	64
	0.75	72	73	63	57	56	53	47	41	63
1750	0.00	92	83	83	77	75	74	68	59	81
	0.75	89	80	81	76	73	71	65	57	79
	1.50	91	81	80	74	70	69	64	57	77
	2.00	91	81	79	72	69	67	62	56	76
2500	0.00	107	91	91	87	83	83	81	71	91
	1.50	105	89	89	86	82	81	77	69	89
	3.00	105	91	88	84	79	78	75	68	87
	4.25	105	93	87	83	77	76	73	67	86
3222	0.00	112	103	96	94	90	89	87	80	97
	2.00	110	101	94	93	90	88	85	78	96
	4.00	109	99	92	92	88	85	82	76	94
	7.50	111	104	95	90	84	81	79	75	94

80% Width

RPM	Nominal Ps	INLET SOUND POWER BY OCTAVE BANDS dB Lwi								LwiA
		63	125	250	500	1000	2000	4000	8000	
1050	0.00	72	79	70	68	67	63	54	45	71
	0.25	73	78	69	67	66	62	54	45	71
	0.50	75	77	69	67	66	62	54	45	71
	0.75	77	78	69	67	66	62	54	46	71
1750	0.00	79	85	92	77	79	78	72	63	86
	0.75	83	85	90	77	79	77	72	63	85
	1.50	85	87	90	77	79	77	72	63	85
	2.00	88	88	89	76	79	77	72	63	85
2500	0.00	86	89	96	93	86	86	83	76	94
	1.50	91	92	95	91	85	86	82	75	94
	3.00	94	94	95	91	85	85	82	75	93
	4.25	96	96	96	91	85	85	82	75	94
3222	0.00	92	92	99	104	91	92	90	85	102
	2.00	95	96	99	102	90	92	90	84	101
	4.00	98	98	100	101	90	92	89	84	101
	7.20	102	101	101	101	90	92	89	84	101

RPM	Nominal Ps	OUTLET SOUND POWER BY OCTAVE BANDS dB Lwo								LwoA
		63	125	250	500	1000	2000	4000	8000	
1050	0.00	76	73	67	63	64	60	52	42	68
	0.25	74	72	65	61	61	58	50	41	66
	0.50	73	71	63	58	58	56	48	39	64
	0.75	75	72	62	57	57	56	48	39	63
1750	0.00	99	83	85	75	73	76	70	60	82
	0.75	98	81	84	73	71	73	67	58	81
	1.50	100	81	84	71	69	70	67	58	80
	2.00	101	80	84	69	68	69	66	57	80
2500	0.00	107	99	92	88	82	82	81	73	92
	1.50	106	98	90	87	80	80	78	71	90
	3.00	106	97	89	85	77	77	76	69	88
	4.25	109	99	90	84	76	76	75	69	89
3222	0.00	113	111	96	97	88	87	88	82	100
	2.00	112	110	95	96	87	85	86	80	99
	4.00	112	110	94	95	85	83	83	79	98
	7.20	114	112	94	95	82	81	81	78	99

The sound power level ratings shown are in decibels, referred to 10-12 watts, calculated per AMCA International Standard 301. The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. Values shown are for inlet Lwi and inlet LwiA sound power levels for Installation Type B: free inlet, ducted outlet. Values shown are for outlet Lwo and outlet LwoA sound power levels for Installation Type B: free inlet, ducted outlet. Ratings include the effects of duct end correction.

# 150 CLASS 1 | BELT & DIRECT DRIVE - SOUND PERFORMANCE

100% Width

RPM	Nominal Ps	INLET SOUND POWER BY OCTAVE BANDS dB Lwi								LwiA
		63	125	250	500	1000	2000	4000	8000	
1050	0.00	75	75	70	66	66	65	60	55	71
	0.25	75	75	70	65	66	67	64	61	73
	0.50	74	74	69	65	65	66	64	61	72
	0.75	73	73	67	64	64	61	57	53	69
1750	0.00	86	86	87	80	77	77	75	69	85
	0.75	85	86	87	79	77	78	77	75	85
	1.50	85	86	86	79	76	77	77	74	85
	2.50	85	84	85	77	75	74	71	67	82
2400	0.00	93	92	94	89	84	84	84	79	92
	1.75	92	92	93	88	83	83	84	81	92
	3.50	93	91	92	86	82	83	80	76	90
	5.00	93	90	92	85	81	82	78	74	89
2900	0.00	97	97	97	94	90	88	88	84	97
	2.50	97	96	97	94	89	87	88	86	97
	5.00	97	96	96	92	87	87	85	82	95
	7.50	97	95	95	91	86	86	83	79	94

RPM	Nominal Ps	OUTLET SOUND POWER BY OCTAVE BANDS dB Lwo								LwoA
		63	125	250	500	1000	2000	4000	8000	
1050	0.00	75	74	70	67	67	63	53	44	71
	0.25	73	73	70	67	66	60	51	43	70
	0.50	71	71	69	65	63	58	50	42	68
	0.75	74	75	67	62	61	57	50	43	66
1750	0.00	95	86	86	80	78	77	72	62	85
	0.75	92	84	85	80	78	75	69	60	83
	1.50	91	82	83	79	75	72	66	59	81
	2.50	94	85	82	75	72	70	65	59	79
2400	0.00	109	93	93	89	85	85	83	73	93
	1.75	107	90	91	88	84	83	79	71	91
	3.50	107	93	90	86	81	80	77	70	89
	5.00	108	95	89	85	78	78	75	69	88
2900	0.00	113	101	97	94	90	89	88	80	98
	2.50	111	99	95	93	89	87	84	77	96
	5.00	111	101	95	91	86	84	82	76	95
	7.50	112	103	95	90	84	82	80	75	94

80% Width

RPM	Nominal Ps	INLET SOUND POWER BY OCTAVE BANDS dB Lwi								LwiA
		63	125	250	500	1000	2000	4000	8000	
1050	0.00	75	82	73	71	70	66	58	48	75
	0.25	76	81	73	70	70	66	57	48	74
	0.50	78	81	72	70	69	65	57	48	74
	0.75	79	81	72	70	69	65	58	49	74
1750	0.00	82	88	95	80	82	81	76	66	90
	0.75	85	88	94	80	82	80	75	66	89
	1.50	88	89	93	79	82	80	75	66	88
	2.50	91	91	92	80	82	80	75	66	88
2400	0.00	89	92	99	94	88	88	85	77	96
	1.75	93	94	98	93	88	88	84	77	96
	3.50	96	96	99	93	88	88	84	77	96
	5.00	98	98	99	92	88	88	84	77	96
2900	0.00	93	94	101	102	92	93	90	84	102
	2.50	97	98	100	101	91	93	90	84	101
	5.00	101	101	101	100	91	92	89	83	101
	7.20	102	102	102	100	91	92	89	84	101

RPM	Nominal Ps	OUTLET SOUND POWER BY OCTAVE BANDS dB Lwo								LwoA
		63	125	250	500	1000	2000	4000	8000	
1050	0.00	79	77	70	66	67	64	55	45	71
	0.25	78	76	69	64	65	61	53	44	69
	0.50	77	75	67	62	63	60	52	43	68
	0.75	77	75	66	61	61	59	52	43	67
1750	0.00	102	86	88	79	76	79	73	63	86
	0.75	102	84	88	77	75	76	71	62	84
	1.50	102	83	87	75	72	74	70	61	83
	2.50	104	84	87	73	71	72	69	60	83
2400	0.00	109	100	94	90	84	85	83	75	94
	1.75	108	99	93	88	82	82	80	72	92
	3.50	110	100	92	87	80	80	78	72	91
	5.00	111	100	92	86	78	78	77	71	91
2900	0.00	113	109	98	97	89	88	88	81	99
	2.50	113	108	96	96	87	86	85	79	98
	5.00	112	107	95	94	84	83	83	78	97
	7.20	115	110	96	94	83	82	82	78	98

The sound power level ratings shown are in decibels, referred to 10-12 watts, calculated per AMCA International Standard 301. The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. Values shown are for inlet LWi and inlet LWiA sound power levels for Installation Type B: free inlet, ducted outlet. Values shown are for outlet Lwo and outlet LwoA sound power levels for Installation Type B: free inlet, ducted outlet. Ratings include the effects of duct end correction.



# 165 CLASS 1 | BELT & DIRECT DRIVE - SOUND PERFORMANCE

100% Width

RPM	Nominal Ps	INLET SOUND POWER BY OCTAVE BANDS dB Lwi								LwiA
		63	125	250	500	1000	2000	4000	8000	
800	0.00	72	71	65	63	63	60	55	49	67
	0.25	72	71	64	62	63	62	58	55	68
	0.38	72	71	64	62	63	62	60	58	69
	0.50	71	70	63	61	60	57	53	49	65
1200	0.00	80	81	81	72	72	72	66	61	79
	0.50	80	81	81	71	71	72	69	65	79
	1.00	79	80	80	70	71	68	64	60	77
	1.50	78	80	80	69	70	66	62	59	76
1750	0.00	89	89	90	83	80	80	77	72	87
	0.75	88	89	90	82	80	80	80	77	88
	1.50	88	89	89	82	79	80	79	76	87
	2.50	88	88	88	80	78	77	74	70	85
2636	0.00	98	97	98	95	90	89	89	84	98
	2.50	97	97	98	94	89	88	89	86	97
	5.00	98	96	97	92	88	88	86	82	95
	7.50	98	96	96	90	86	87	83	79	94

RPM	Nominal Ps	OUTLET SOUND POWER BY OCTAVE BANDS dB Lwo								LwoA
		63	125	250	500	1000	2000	4000	8000	
800	0.00	72	71	66	64	63	56	47	37	67
	0.25	69	69	64	62	59	53	45	36	64
	0.38	68	68	64	61	58	51	44	36	63
	0.50	70	72	62	59	57	51	45	38	62
1200	0.00	80	81	81	73	73	71	61	51	78
	0.50	78	79	79	72	71	67	59	50	76
	1.00	80	78	78	69	68	65	58	51	74
	1.50	82	77	77	66	65	63	57	51	72
1750	0.00	98	89	89	83	81	80	74	65	88
	0.75	96	87	88	83	81	79	72	63	87
	1.50	95	86	86	82	79	76	70	62	85
	2.50	97	87	86	79	76	74	69	62	83
2636	0.00	114	100	98	94	91	90	88	79	98
	2.50	112	98	96	93	89	88	84	77	96
	5.00	112	100	95	92	86	85	82	76	95
	7.50	113	102	95	90	84	82	80	75	94

80% Width

RPM	Nominal Ps	INLET SOUND POWER BY OCTAVE BANDS dB Lwi								LwiA
		63	125	250	500	1000	2000	4000	8000	
800	0.00	75	79	66	68	66	60	51	42	71
	0.25	75	78	66	68	65	60	51	42	70
	0.38	76	77	66	68	65	60	51	42	70
	0.50	77	78	66	68	65	60	51	42	70
1200	0.00	80	87	90	76	76	73	65	56	84
	0.50	82	86	88	76	76	72	65	56	83
	1.00	84	86	87	76	76	72	65	56	82
	1.38	86	86	87	76	76	72	65	56	82
1750	0.00	85	91	98	83	85	84	78	69	93
	1.00	89	91	97	83	85	83	78	69	92
	2.00	92	92	96	82	85	83	78	69	91
	3.00	94	94	95	83	85	83	78	69	91
2636	0.00	94	96	103	101	93	93	90	84	102
	2.50	98	99	102	100	93	93	90	83	101
	5.00	102	101	102	99	92	93	90	83	101
	7.20	103	103	103	99	92	93	90	83	101

RPM	Nominal Ps	OUTLET SOUND POWER BY OCTAVE BANDS dB Lwo								LwoA
		63	125	250	500	1000	2000	4000	8000	
800	0.00	72	73	64	63	64	58	48	38	67
	0.25	70	72	62	60	61	55	46	37	65
	0.38	70	71	60	59	59	55	45	36	63
	0.50	70	71	59	58	58	55	45	36	63
1200	0.00	88	82	83	72	72	70	63	53	79
	0.50	87	81	82	70	70	68	60	51	77
	1.00	86	80	81	68	67	66	59	50	76
	1.38	87	80	81	66	66	65	59	50	76
1750	0.00	105	89	91	82	79	82	76	66	88
	1.00	105	87	91	80	77	79	74	64	87
	2.00	104	86	89	77	75	76	73	63	85
	3.00	107	86	90	75	74	75	72	63	86
2636	0.00	114	108	99	96	89	89	88	81	99
	2.50	113	106	97	95	87	87	85	79	98
	5.00	113	106	96	93	85	84	83	77	96
	7.20	116	108	97	93	83	83	82	77	97

The sound power level ratings shown are in decibels, referred to 10-12 watts, calculated per AMCA International Standard 301. The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. Values shown are for inlet Lwi and inlet LwiA sound power levels for Installation Type B: free inlet, ducted outlet. Values shown are for outlet Lwo and outlet LwoA sound power levels for Installation Type B: free inlet, ducted outlet. Ratings include the effects of duct end correction.

# 182 CLASS 1 | BELT & DIRECT DRIVE - SOUND PERFORMANCE

100% Width

RPM	Nominal Ps	INLET SOUND POWER BY OCTAVE BANDS dB Lwi								LwiA
		63	125	250	500	1000	2000	4000	8000	
750	0.00	70	70	67	64	62	55	47	39	66
	0.13	69	70	67	63	61	55	46	38	66
	0.25	69	70	66	62	59	53	45	36	64
	0.50	70	69	64	60	57	53	45	37	63
1050	0.00	77	77	76	73	70	68	58	50	75
	0.63	76	77	75	70	66	64	55	47	73
	1.00	78	76	73	69	65	63	56	48	72
	1.38	78	76	72	67	63	62	55	47	70
1750	0.00	88	88	88	86	83	80	76	67	89
	1.25	87	87	88	86	82	79	74	66	88
	2.50	89	88	87	83	79	76	73	65	86
	4.00	90	89	86	81	77	74	71	64	84
2300	0.00	94	94	94	94	90	87	86	76	96
	2.00	93	93	94	93	89	86	83	75	95
	4.00	92	92	94	92	87	82	80	73	93
	7.00	96	96	93	89	84	80	79	73	91

RPM	Nominal Ps	OUTLET SOUND POWER BY OCTAVE BANDS dB Lwo								LwoA
		63	125	250	500	1000	2000	4000	8000	
750	0.00	78	74	71	67	66	59	50	43	70
	0.13	78	74	70	66	64	58	49	42	69
	0.25	76	73	69	64	61	55	47	39	67
	0.50	78	71	68	64	63	57	48	42	67
1050	0.00	91	81	82	74	74	72	61	54	79
	0.63	88	79	80	72	69	65	57	49	76
	1.00	94	78	78	73	70	71	59	52	77
	1.38	96	76	77	72	68	70	58	52	77
1750	0.00	103	99	93	91	85	85	80	70	93
	1.25	101	97	92	89	83	81	76	67	91
	2.50	106	101	90	88	83	82	79	68	91
	4.00	109	102	88	86	82	80	78	67	91
2300	0.00	109	109	99	99	92	91	90	79	101
	2.00	107	107	97	99	91	90	86	77	100
	4.00	105	105	95	97	89	85	80	74	97
	7.00	115	115	94	94	89	85	88	76	101

80% Width

RPM	Nominal Ps	INLET SOUND POWER BY OCTAVE BANDS dB Lwi								LwiA
		63	125	250	500	1000	2000	4000	8000	
750	0.00	69	69	67	63	61	55	46	38	66
	0.13	69	69	66	62	59	53	45	36	64
	0.25	69	69	65	61	59	53	45	37	64
	0.50	69	68	63	59	56	52	44	36	62
1050	0.00	76	77	76	72	69	67	57	49	75
	0.38	76	76	74	70	67	65	56	49	73
	0.75	77	76	73	69	66	64	56	48	72
	1.00	77	76	72	68	64	63	55	47	71
1750	0.00	87	87	87	86	83	80	76	66	88
	1.25	88	87	87	84	80	77	74	65	86
	2.50	88	88	86	82	78	76	72	64	85
	3.75	89	88	85	81	76	73	70	64	83
2300	0.00	93	93	94	93	90	87	85	75	95
	2.00	94	94	93	91	88	84	83	74	94
	4.00	94	94	93	90	86	82	81	74	92
	7.00	95	95	92	88	83	79	78	72	90

RPM	Nominal Ps	OUTLET SOUND POWER BY OCTAVE BANDS dB Lwo								LwoA
		63	125	250	500	1000	2000	4000	8000	
750	0.00	78	74	70	66	65	58	49	42	69
	0.13	77	73	69	65	63	56	48	40	68
	0.25	75	72	68	63	60	54	46	38	66
	0.50	78	70	67	63	63	57	48	41	67
1050	0.00	90	81	81	74	73	71	60	53	79
	0.38	88	79	80	72	70	67	58	50	76
	0.75	87	77	79	70	67	62	55	47	74
	1.00	94	77	77	72	69	70	58	52	77
1750	0.00	102	99	93	90	85	84	79	69	92
	1.25	100	97	91	89	82	80	75	66	90
	2.50	106	100	89	87	82	81	78	68	91
	3.75	108	101	88	86	81	79	77	67	90
2300	0.00	108	108	98	99	91	90	89	78	100
	2.00	106	106	96	97	89	87	84	75	98
	4.00	111	111	96	95	90	87	88	77	100
	7.00	115	115	94	93	89	84	88	76	101

50% Width

RPM	Nominal Ps	INLET SOUND POWER BY OCTAVE BANDS dB Lwi								LwiA
		63	125	250	500	1000	2000	4000	8000	
750	0.00	67	68	65	62	60	53	44	37	64
	0.25	67	67	63	59	57	51	43	35	62
	0.50	68	67	61	57	54	50	42	35	60
	0.75	68	66	59	54	52	48	42	34	58
1050	0.00	74	75	74	71	68	66	56	48	73
	0.38	75	75	72	68	65	63	55	47	71
	0.75	76	74	71	67	64	62	54	46	70
	1.25	76	74	69	64	61	59	53	45	68
1750	0.00	86	86	86	84	81	78	74	65	87
	1.25	86	86	85	82	78	75	72	63	84
	2.50	87	86	84	81	76	74	70	63	83
	3.50	88	87	83	79	74	72	69	62	82
2300	0.00	91	91	92	91	88	85	83	74	94
	2.00	92	92	92	90	86	82	81	73	92
	4.00	93	93	91	88	84	80	79	72	90
	6.38	94	94	91	87	82	78	76	71	89

RPM	Nominal Ps	OUTLET SOUND POWER BY OCTAVE BANDS dB Lwo								LwoA
		63	125	250	500	1000	2000	4000	8000	
750	0.00	76	72	68	65	64	57	48	41	68
	0.25	73	70	66	61	58	51	44	36	64
	0.50	76	68	66	61	61	55	46	40	65
	0.75	77	66	65	60	61	56	47	41	65
1050	0.00	89	79	79	72	72	70	58	51	77
	0.38	86	77	78	70	68	64	56	48	74
	0.75	92	76	76	71	68	69	57	50	75
	1.25	94	74	74	70	66	68	56	50	74
1750	0.00	100	97	91	89	83	82	78	68	91
	1.25	98	95	90	87	80	77	72	64	88
	2.50	105	99	87	85	81	79	76	66	89
	3.50	106	99	86	84	80	78	76	65	89
2300	0.00	106	106	97	97	90	89	88	77	99
	2.00	104	104	94	95	88	85	82	73	96
	4.00	110	110	94	93	88	85	86	75	98
	6.38	113	113	92	91	87	83	86	74	99

The sound power level ratings shown are in decibels, referred to 10-12 watts, calculated per AMCA International Standard 301. The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. Values shown are for inlet Lwi and inlet LwiA sound power levels for Installation Type B: free inlet, ducted outlet. Values shown are for outlet Lwo and outlet LwoA sound power levels for Installation Type B: free inlet, ducted outlet. Ratings include the effects of duct end correction.

# 200 CLASS 1 | BELT & DIRECT DRIVE - SOUND PERFORMANCE

100% Width

RPM	Nominal Ps	INLET SOUND POWER BY OCTAVE BANDS dB Lwi								LwiA
		63	125	250	500	1000	2000	4000	8000	
500	0.00	64	63	59	56	54	44	36	28	58
	0.13	63	62	57	54	51	42	34	25	56
	0.25	65	60	55	52	50	42	34	27	55
	0.38	65	58	53	50	48	41	34	26	53
1300	0.00	84	84	84	81	78	76	68	60	84
	0.75	83	84	84	81	77	74	67	59	83
	1.50	83	84	83	78	74	71	65	56	81
	2.50	86	84	80	76	72	70	65	57	79
1750	0.00	90	91	91	89	86	83	79	69	91
	1.50	90	90	91	89	85	82	77	69	91
	3.00	92	91	89	86	82	79	76	68	88
	4.50	92	91	88	84	80	77	74	67	87
2100	0.00	94	94	95	94	91	88	86	76	96
	2.00	94	94	95	94	90	86	83	75	95
	4.00	93	93	95	93	87	83	80	72	94
	7.00	96	96	93	89	84	81	79	73	91

RPM	Nominal Ps	OUTLET SOUND POWER BY OCTAVE BANDS dB Lwo								LwoA
		63	125	250	500	1000	2000	4000	8000	
500	0.00	78	68	61	60	58	47	40	33	63
	0.13	76	66	59	57	53	44	36	29	59
	0.25	82	65	59	57	57	45	39	32	61
	0.38	84	63	58	55	56	44	38	32	62
1300	0.00	99	91	90	84	81	81	71	63	88
	0.75	98	90	90	83	80	77	69	62	87
	1.50	96	88	87	81	76	72	66	58	84
	2.50	105	89	85	81	76	78	69	61	85
1750	0.00	105	102	96	94	88	88	83	73	96
	1.50	104	100	95	92	86	84	79	70	94
	3.00	102	98	94	91	83	80	74	67	92
	4.50	111	104	91	89	85	83	81	70	94
2100	0.00	109	109	100	100	92	92	90	78	101
	2.00	108	108	100	100	91	90	86	77	100
	4.00	106	105	98	97	89	85	81	74	98
	7.00	116	114	95	94	90	86	88	76	101

80% Width

RPM	Nominal Ps	INLET SOUND POWER BY OCTAVE BANDS dB Lwi								LwiA
		63	125	250	500	1000	2000	4000	8000	
500	0.00	63	62	59	56	53	43	35	28	58
	0.13	63	60	56	53	51	42	34	27	55
	0.25	64	59	55	51	49	42	34	26	54
	0.38	65	57	52	49	47	41	33	25	52
1300	0.00	83	84	84	81	77	76	68	59	83
	0.75	84	84	82	79	75	73	66	58	81
	1.50	85	84	81	77	74	72	65	58	80
	2.50	85	83	80	75	71	69	64	57	78
1750	0.00	90	90	90	89	85	83	78	69	91
	1.50	90	90	89	87	83	80	77	68	89
	3.00	91	91	89	85	81	78	75	67	88
	4.50	92	91	88	84	79	76	73	66	86
2100	0.00	94	94	94	94	90	87	85	75	96
	2.00	94	94	94	92	88	85	83	74	94
	4.00	95	95	93	91	86	83	81	73	93
	7.00	96	96	93	88	84	80	78	72	91

RPM	Nominal Ps	OUTLET SOUND POWER BY OCTAVE BANDS dB Lwo								LwoA
		63	125	250	500	1000	2000	4000	8000	
500	0.00	78	67	60	60	57	46	39	32	62
	0.13	75	66	58	56	52	43	35	28	58
	0.25	81	64	59	56	56	44	38	32	61
	0.38	83	62	58	54	55	44	38	32	61
1300	0.00	98	90	89	83	81	80	71	63	87
	0.75	96	89	88	81	78	75	68	60	85
	1.50	102	89	86	81	78	78	69	61	85
	2.50	104	88	84	80	76	77	68	61	85
1750	0.00	105	101	95	93	88	87	82	72	95
	1.50	103	99	94	91	85	82	77	69	93
	3.00	109	103	92	90	85	84	81	70	94
	4.50	110	104	90	89	84	82	80	70	93
2100	0.00	109	108	99	99	92	91	89	78	101
	2.00	107	106	98	98	90	88	84	75	99
	4.00	112	111	96	96	90	87	88	76	100
	7.00	116	114	94	93	89	85	88	75	101

50% Width

RPM	Nominal Ps	INLET SOUND POWER BY OCTAVE BANDS dB Lwi								LwiA
		63	125	250	500	1000	2000	4000	8000	
500	0.00	62	61	57	54	52	42	34	26	56
	0.13	62	58	54	51	49	41	33	25	53
	0.19	62	58	54	50	48	40	32	25	53
	0.25	63	57	53	49	47	40	32	24	52
1300	0.00	82	82	82	79	76	74	66	58	82
	0.75	82	82	80	77	73	72	65	57	79
	1.50	83	82	79	75	72	70	64	56	78
	2.00	84	82	79	74	70	68	63	55	77
1750	0.00	88	88	89	87	84	81	77	67	89
	1.50	89	89	88	85	81	78	75	66	87
	2.50	90	89	87	84	80	77	74	66	86
	3.75	90	89	86	82	78	75	72	65	85
2100	0.00	92	92	93	92	89	85	84	73	94
	2.00	93	93	92	90	86	83	81	72	92
	4.00	94	94	92	89	84	81	79	72	91
	6.38	94	94	91	87	82	78	77	71	89

RPM	Nominal Ps	OUTLET SOUND POWER BY OCTAVE BANDS dB Lwo								LwoA
		63	125	250	500	1000	2000	4000	8000	
500	0.00	76	66	59	58	56	45	38	31	60
	0.13	73	64	56	53	49	41	33	25	56
	0.19	79	63	57	55	55	43	37	30	59
	0.25	80	62	57	54	54	43	36	30	59
1300	0.00	97	89	87	82	79	78	69	61	86
	0.75	94	87	86	80	76	73	65	57	83
	1.50	101	87	84	80	76	76	67	60	84
	2.00	102	87	83	79	75	76	67	59	83
1750	0.00	103	100	94	91	86	85	81	70	94
	1.50	101	97	92	89	83	80	75	67	91
	2.50	107	101	91	89	84	82	79	69	92
	3.75	108	102	89	87	83	81	79	68	92
2100	0.00	107	107	98	97	90	90	88	76	99
	2.00	105	104	96	96	88	85	82	73	97
	4.00	111	110	94	94	88	85	86	74	98
	6.38	114	113	92	92	88	83	86	74	99

The sound power level ratings shown are in decibels, referred to 10-12 watts, calculated per AMCA International Standard 301. The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. Values shown are for inlet Lwi and inlet LwiA sound power levels for Installation Type B: free inlet, ducted outlet. Values shown are for outlet Lwo and outlet LwoA sound power levels for Installation Type B: free inlet, ducted outlet. Ratings include the effects of duct end correction.

# 222 CLASS 1 | BELT & DIRECT DRIVE - SOUND PERFORMANCE

100% Width

RPM	Nominal Ps	INLET SOUND POWER BY OCTAVE BANDS dB Lwi								LwiA
		63	125	250	500	1000	2000	4000	8000	
600	0.00	71	71	67	64	63	53	45	37	67
	0.25	71	71	66	61	59	51	43	35	64
	0.38	71	71	64	60	57	50	42	33	63
	0.63	70	70	62	58	57	51	43	35	62
900	0.00	79	80	78	75	72	68	59	51	77
	0.50	79	80	78	74	70	66	58	50	76
	1.00	80	79	75	71	68	65	57	49	74
	1.50	80	79	73	69	66	63	56	48	72
1350	0.00	88	88	88	86	82	80	73	64	88
	1.25	87	88	88	84	80	77	71	62	86
	2.50	89	88	86	82	78	76	70	62	84
	3.50	90	88	84	80	76	74	69	62	83
1888	0.00	95	95	96	94	91	88	85	75	97
	2.50	95	95	95	93	89	85	82	73	95
	5.00	97	96	94	91	87	84	81	73	93
	7.10	98	97	94	89	85	81	79	73	92

RPM	Nominal Ps	OUTLET SOUND POWER BY OCTAVE BANDS dB Lwo								LwoA
		63	125	250	500	1000	2000	4000	8000	
600	0.00	76	76	69	68	67	56	49	42	70
	0.25	74	74	67	64	61	53	45	38	67
	0.38	73	74	66	62	58	51	44	36	65
	0.63	73	71	67	63	65	54	47	41	67
900	0.00	91	84	83	77	76	72	62	55	81
	0.50	89	82	81	75	72	68	59	51	78
	1.00	93	81	80	75	73	71	60	54	79
	1.50	94	79	78	74	71	70	59	53	78
1350	0.00	103	96	94	88	86	85	76	68	92
	1.25	101	94	92	86	82	79	72	64	89
	2.50	107	94	90	86	82	82	74	66	90
	3.50	109	94	88	85	80	81	74	66	89
1888	0.00	110	108	101	99	93	93	89	78	101
	2.50	108	106	100	98	91	88	84	75	99
	5.00	115	111	97	96	91	89	87	76	100
	7.10	117	112	95	94	90	87	87	76	100

80% Width

RPM	Nominal Ps	INLET SOUND POWER BY OCTAVE BANDS dB Lwi								LwiA
		63	125	250	500	1000	2000	4000	8000	
600	0.00	70	70	67	64	62	53	45	37	66
	0.25	70	70	64	61	59	52	44	36	64
	0.38	70	70	63	60	58	51	43	35	63
	0.50	70	69	62	59	57	51	43	35	62
900	0.00	79	79	78	74	72	68	58	50	77
	0.50	79	79	76	72	69	66	57	49	75
	1.00	80	78	74	70	67	64	56	49	73
	1.50	80	78	72	68	65	62	56	48	71
1350	0.00	87	88	88	85	82	80	72	64	87
	1.25	88	88	86	83	79	77	71	63	85
	2.50	89	88	85	81	77	75	69	62	83
	3.50	90	88	84	79	75	73	68	61	82
1888	0.00	95	95	95	94	91	88	84	75	96
	2.50	95	95	94	92	88	85	82	74	94
	5.00	96	96	94	90	86	83	80	73	92
	7.00	97	96	93	89	84	81	78	72	91

RPM	Nominal Ps	OUTLET SOUND POWER BY OCTAVE BANDS dB Lwo								LwoA
		63	125	250	500	1000	2000	4000	8000	
600	0.00	76	75	69	67	66	56	48	41	70
	0.25	73	74	66	63	60	52	44	37	66
	0.38	72	73	65	61	57	50	42	34	64
	0.50	73	71	67	63	64	54	47	41	67
900	0.00	91	84	82	76	76	72	61	54	80
	0.50	88	82	80	74	71	66	58	50	77
	1.00	92	80	79	74	72	70	59	53	78
	1.50	93	78	78	73	71	69	59	53	77
1350	0.00	102	95	93	88	85	84	75	67	91
	1.25	100	93	92	86	81	78	71	63	88
	2.50	107	94	89	85	81	82	74	66	89
	3.50	109	93	88	84	80	81	73	65	89
1888	0.00	110	107	100	99	92	92	88	78	101
	2.50	107	105	99	97	90	87	82	74	98
	5.00	114	110	96	95	90	88	87	76	99
	7.00	117	112	95	94	89	87	87	75	100

50% Width

RPM	Nominal Ps	INLET SOUND POWER BY OCTAVE BANDS dB Lwi								LwiA
		63	125	250	500	1000	2000	4000	8000	
600	0.00	69	69	65	62	60	51	43	35	64
	0.25	68	68	62	59	57	50	42	34	62
	0.50	68	68	60	56	55	49	41	33	60
	0.75	68	67	58	54	52	48	40	32	58
900	0.00	77	78	76	73	70	66	56	49	75
	0.50	78	77	74	70	67	64	55	48	73
	1.00	78	77	72	68	65	62	55	47	71
	1.38	78	76	71	66	63	61	54	46	70
1350	0.00	86	86	86	83	80	78	71	62	86
	1.25	87	86	84	81	77	75	69	61	83
	2.25	87	86	83	79	75	73	68	60	82
	3.25	88	86	82	77	73	71	67	59	80
1888	0.00	93	93	94	92	89	86	83	73	95
	2.50	94	94	93	90	86	83	80	72	92
	5.00	95	94	92	88	84	81	78	71	90
	6.38	95	95	91	87	82	79	77	70	89

RPM	Nominal Ps	OUTLET SOUND POWER BY OCTAVE BANDS dB Lwo								LwoA
		63	125	250	500	1000	2000	4000	8000	
600	0.00	74	74	67	66	65	54	47	40	68
	0.25	71	72	64	61	57	50	42	34	63
	0.50	71	69	65	61	63	52	45	39	65
	0.75	70	67	65	60	66	53	47	42	67
900	0.00	89	82	80	75	74	70	60	53	79
	0.50	86	80	79	72	69	64	56	48	75
	1.00	91	78	77	72	70	68	58	51	76
	1.38	92	77	76	71	69	68	57	51	75
1350	0.00	101	94	91	86	83	82	74	65	90
	1.25	98	91	90	84	79	76	69	61	86
	2.25	105	92	88	84	80	80	72	64	88
	3.25	108	92	86	83	78	80	72	64	87
1888	0.00	108	106	99	97	91	90	87	76	99
	2.50	105	103	97	95	88	85	80	72	96
	5.00	113	109	94	93	88	86	85	74	98
	6.38	115	110	93	92	88	85	85	74	98

The sound power level ratings shown are in decibels, referred to 10-12 watts, calculated per AMCA International Standard 301. The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. Values shown are for inlet Lwi and inlet LwiA sound power levels for Installation Type B: free inlet, ducted outlet. Values shown are for outlet Lwo and outlet LwoA sound power levels for Installation Type B: free inlet, ducted outlet. Ratings include the effects of duct end correction.

# 245 CLASS 1 | BELT & DIRECT DRIVE - SOUND PERFORMANCE

100% Width

RPM	Nominal Ps	INLET SOUND POWER BY OCTAVE BANDS dB Lwi								LwiA
		63	125	250	500	1000	2000	4000	8000	
600	0.00	74	74	70	67	65	56	48	40	70
	0.38	74	74	68	64	61	54	45	37	66
	0.75	73	73	65	61	60	54	46	38	65
	1.00	73	72	63	60	58	53	46	39	64
900	0.00	82	83	81	78	75	71	62	54	80
	0.50	82	83	81	77	74	69	61	53	79
	1.00	81	82	79	74	70	67	59	50	77
	1.50	83	82	77	73	70	67	60	52	76
1350	0.00	91	91	91	88	85	83	76	67	91
	1.50	90	91	91	87	83	80	74	65	89
	3.00	92	91	89	85	81	79	73	65	87
	4.38	93	91	87	83	78	76	72	65	85
1714	0.00	96	96	96	95	91	89	84	75	97
	2.50	95	96	96	94	89	86	82	73	95
	5.00	98	97	95	91	87	84	81	73	93
	7.10	98	97	94	89	85	82	79	72	92

RPM	Nominal Ps	OUTLET SOUND POWER BY OCTAVE BANDS dB Lwo								LwoA
		63	125	250	500	1000	2000	4000	8000	
600	0.00	79	79	72	71	70	59	52	45	73
	0.38	76	77	70	66	63	55	47	40	69
	0.75	76	74	70	66	68	57	50	44	70
	1.00	75	72	70	65	71	58	52	47	72
900	0.00	94	87	86	80	79	75	65	58	84
	0.50	93	86	85	79	77	72	63	56	83
	1.00	91	84	83	76	73	68	60	52	79
	1.50	96	83	82	77	75	73	63	57	81
1350	0.00	106	99	97	91	89	88	79	71	95
	1.50	104	97	95	89	85	82	75	67	92
	3.00	110	97	93	89	85	85	77	69	93
	4.38	112	97	91	88	83	85	77	69	92
1714	0.00	111	107	102	99	94	93	88	78	101
	2.50	109	105	100	97	91	89	83	75	99
	5.00	115	109	98	96	91	90	87	76	100
	7.10	118	110	96	95	90	89	86	76	100

80% Width

RPM	Nominal Ps	INLET SOUND POWER BY OCTAVE BANDS dB Lwi								LwiA
		63	125	250	500	1000	2000	4000	8000	
600	0.00	73	73	70	67	65	56	48	40	69
	0.25	73	73	68	64	63	55	47	39	67
	0.50	73	73	66	62	61	54	46	38	66
	0.88	72	72	63	59	58	52	45	37	63
900	0.00	82	82	81	77	75	71	61	53	80
	0.50	82	82	79	75	72	69	60	52	78
	1.13	82	81	77	73	70	67	59	52	76
	1.75	83	81	76	71	68	65	59	51	74
1350	0.00	90	91	91	88	85	83	75	67	90
	1.50	91	91	89	86	82	80	74	66	88
	3.00	92	91	88	84	80	78	72	65	86
	4.25	92	90	87	82	78	76	71	64	85
1714	0.00	96	96	96	94	91	88	84	74	96
	2.50	96	96	95	92	88	86	82	73	94
	5.00	97	96	94	90	86	83	80	72	93
	7.00	98	97	93	89	84	81	78	72	91

RPM	Nominal Ps	OUTLET SOUND POWER BY OCTAVE BANDS dB Lwo								LwoA
		63	125	250	500	1000	2000	4000	8000	
600	0.00	79	78	72	70	69	59	51	44	73
	0.25	76	77	70	67	64	56	48	40	69
	0.50	76	75	70	67	68	57	50	44	71
	0.88	75	72	69	64	68	57	50	44	70
900	0.00	93	86	85	79	79	74	64	57	83
	0.50	92	85	84	77	75	70	62	54	81
	1.13	95	83	82	77	75	73	63	56	81
	1.75	96	81	81	76	74	72	62	56	80
1350	0.00	105	98	96	90	88	87	78	70	94
	1.50	103	96	95	88	84	81	74	66	91
	3.00	110	97	92	88	84	85	77	68	92
	4.25	112	96	90	87	83	84	76	68	92
1714	0.00	110	107	101	98	93	93	88	78	101
	2.50	108	104	100	97	90	87	82	74	98
	5.00	115	108	97	95	90	89	86	76	99
	7.00	117	109	96	94	90	88	86	75	99

50% Width

RPM	Nominal Ps	INLET SOUND POWER BY OCTAVE BANDS dB Lwi								LwiA
		63	125	250	500	1000	2000	4000	8000	
600	0.00	72	72	68	65	63	54	46	38	67
	0.25	71	71	66	62	61	53	45	37	65
	0.38	71	71	65	61	60	53	45	37	64
	0.50	71	71	64	60	59	52	44	37	64
900	0.00	80	81	79	76	73	69	59	52	78
	0.50	80	80	77	73	70	67	59	51	76
	1.13	81	80	75	71	68	65	58	50	74
	1.75	81	79	74	69	66	63	57	49	72
1350	0.00	89	89	89	86	83	81	74	65	89
	1.50	90	89	87	84	80	78	72	64	86
	3.00	90	89	86	82	78	76	70	63	84
	4.00	91	89	85	80	76	74	69	62	83
1714	0.00	94	94	94	93	89	87	82	73	95
	2.50	95	94	93	90	86	83	80	72	92
	5.00	96	95	92	88	84	81	78	71	91
	6.38	96	95	92	87	83	80	77	70	90

RPM	Nominal Ps	OUTLET SOUND POWER BY OCTAVE BANDS dB Lwo								LwoA
		63	125	250	500	1000	2000	4000	8000	
600	0.00	77	77	70	69	68	57	50	43	71
	0.25	75	75	68	65	61	54	46	38	67
	0.38	73	74	67	63	58	52	44	36	65
	0.50	74	73	68	65	66	55	48	42	69
900	0.00	92	85	83	78	77	73	62	55	82
	0.50	90	83	82	75	73	68	59	52	79
	1.13	94	81	80	75	74	71	61	54	79
	1.75	95	79	79	74	72	71	60	54	78
1350	0.00	104	96	94	89	86	85	77	68	93
	1.50	101	94	93	87	82	79	72	64	89
	3.00	108	95	90	86	82	83	75	67	90
	4.00	111	95	89	86	81	83	75	67	91
1714	0.00	109	105	100	97	92	91	86	76	99
	2.50	106	102	98	95	88	85	80	72	96
	5.00	114	107	95	93	89	87	84	74	97
	6.38	116	108	94	92	88	86	84	74	97

The sound power level ratings shown are in decibels, referred to 10-12 watts, calculated per AMCA International Standard 301. The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. Values shown are for inlet Lwi and inlet LwiA sound power levels for Installation Type B: free inlet, ducted outlet. Values shown are for outlet Lwo and outlet LwoA sound power levels for Installation Type B: free inlet, ducted outlet. Ratings include the effects of duct end correction.

# 270 CLASS 1 | BELT & DIRECT DRIVE - SOUND PERFORMANCE

100% Width

RPM	Nominal Ps	INLET SOUND POWER BY OCTAVE BANDS dB Lwi								LwiA
		63	125	250	500	1000	2000	4000	8000	
450	0.00	70	69	66	63	59	49	42	34	64
	0.13	70	69	65	62	58	49	41	33	63
	0.25	70	68	63	59	55	47	38	30	61
	0.50	72	65	60	57	54	47	39	32	59
750	0.00	81	82	79	76	74	67	58	51	78
	0.50	81	82	79	75	72	66	58	50	77
	1.00	81	81	77	71	68	63	55	46	74
	1.63	82	80	74	69	67	63	56	48	73
1200	0.00	91	92	91	88	85	83	74	66	91
	1.50	91	92	91	86	82	80	72	64	89
	3.00	93	91	88	84	80	79	72	64	87
	4.25	94	91	87	82	78	77	71	64	85
1556	0.00	97	97	97	95	92	90	84	75	97
	2.50	96	97	97	94	89	87	81	73	96
	5.00	98	98	95	91	87	85	81	73	94
	7.10	99	98	94	90	85	83	79	72	92

RPM	Nominal Ps	OUTLET SOUND POWER BY OCTAVE BANDS dB Lwo								LwoA
		63	125	250	500	1000	2000	4000	8000	
450	0.00	85	73	68	67	63	53	46	39	69
	0.13	84	73	67	66	60	52	44	37	67
	0.25	82	72	65	62	57	49	41	33	64
	0.50	90	70	65	63	61	50	44	38	68
750	0.00	90	86	83	79	78	71	62	55	82
	0.50	88	85	81	76	74	67	59	51	79
	1.00	86	83	79	73	69	63	56	48	76
	1.63	90	81	79	74	74	69	60	54	78
1200	0.00	106	97	97	90	89	88	77	70	95
	1.50	104	95	96	88	85	82	74	66	92
	3.00	111	95	93	88	85	86	75	68	93
	4.25	113	93	91	88	83	86	75	68	93
1556	0.00	112	107	103	99	95	94	87	78	102
	2.50	110	105	101	97	92	89	83	75	99
	5.00	116	107	99	96	92	91	86	76	100
	7.10	119	108	97	95	90	90	85	76	99

80% Width

RPM	Nominal Ps	INLET SOUND POWER BY OCTAVE BANDS dB Lwi								LwiA
		63	125	250	500	1000	2000	4000	8000	
450	0.00	70	68	65	62	58	49	41	33	64
	0.13	70	68	63	60	56	47	39	31	62
	0.25	70	66	62	59	56	48	40	32	61
	0.50	71	64	59	56	54	47	39	31	59
750	0.00	81	81	79	75	73	67	58	50	78
	0.50	81	81	77	73	71	65	57	49	76
	1.00	81	80	75	71	69	64	56	48	74
	1.50	81	80	73	69	67	63	55	48	72
1200	0.00	91	91	91	88	85	83	74	66	90
	1.50	91	91	89	85	82	80	72	65	88
	3.00	92	91	88	83	79	78	71	64	86
	4.10	93	90	86	81	78	76	71	63	85
1556	0.00	96	97	97	95	91	89	83	74	97
	2.50	97	97	95	92	89	86	81	73	95
	5.00	98	97	94	91	86	84	80	72	93
	7.00	99	97	94	89	85	82	78	72	92

RPM	Nominal Ps	OUTLET SOUND POWER BY OCTAVE BANDS dB Lwo								LwoA
		63	125	250	500	1000	2000	4000	8000	
450	0.00	84	73	67	67	62	52	45	38	68
	0.13	83	72	65	63	59	50	42	35	65
	0.25	81	71	64	61	55	48	40	32	63
	0.50	90	69	64	62	60	50	44	38	67
750	0.00	90	86	82	78	77	70	61	54	81
	0.50	88	84	80	75	72	66	58	50	78
	1.00	90	82	80	75	75	69	60	53	79
	1.50	89	81	78	74	73	68	59	53	78
1200	0.00	106	97	96	90	88	87	77	69	94
	1.50	103	94	95	87	84	81	73	65	91
	3.00	110	94	92	88	84	85	75	68	92
	4.10	112	93	91	87	82	85	74	68	92
1556	0.00	111	106	102	98	94	93	87	77	101
	2.50	109	104	100	96	91	88	82	74	98
	5.00	116	107	98	95	91	90	85	76	99
	7.00	118	107	96	94	90	89	85	75	99

50% Width

RPM	Nominal Ps	INLET SOUND POWER BY OCTAVE BANDS dB Lwi								LwiA
		63	125	250	500	1000	2000	4000	8000	
450	0.00	68	67	64	61	57	47	39	32	62
	0.13	69	65	62	59	55	47	39	31	60
	0.25	69	64	60	57	54	46	38	30	59
	0.50	70	62	57	54	51	45	37	29	57
750	0.00	79	80	77	74	72	65	56	48	76
	0.50	79	79	75	71	69	63	55	47	74
	1.00	79	79	73	69	67	62	55	47	72
	1.50	79	78	71	67	64	61	54	46	70
1200	0.00	89	90	89	86	83	81	72	64	89
	1.50	90	89	87	83	80	78	71	63	86
	2.50	91	89	86	82	78	77	70	62	85
	3.75	91	89	85	80	76	74	69	61	83
1556	0.00	95	95	95	93	90	87	82	73	95
	2.50	96	95	94	90	87	84	79	71	93
	5.00	97	95	93	89	84	82	78	70	91
	6.38	97	96	92	87	83	80	77	70	90

RPM	Nominal Ps	OUTLET SOUND POWER BY OCTAVE BANDS dB Lwo								LwoA
		63	125	250	500	1000	2000	4000	8000	
450	0.00	83	71	66	65	61	50	43	36	66
	0.13	81	70	63	61	57	48	40	33	63
	0.25	79	69	61	58	53	45	38	30	61
	0.50	89	67	62	60	59	48	42	36	66
750	0.00	88	84	80	77	76	69	60	53	80
	0.50	86	82	78	73	70	64	56	48	76
	1.00	88	80	78	73	73	67	58	52	77
	1.50	88	79	77	72	72	67	58	52	76
1200	0.00	104	95	95	88	87	86	75	68	93
	1.50	101	92	93	85	82	78	71	63	89
	2.50	108	92	91	86	83	84	73	66	91
	3.75	111	91	89	85	81	84	73	66	90
1556	0.00	110	105	100	97	92	92	85	76	100
	2.50	107	102	99	94	89	85	79	72	96
	5.00	115	105	96	93	89	88	83	74	97
	6.38	117	105	95	93	88	88	83	74	97

The sound power level ratings shown are in decibels, referred to 10-12 watts, calculated per AMCA International Standard 301. The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. Values shown are for inlet Lwi and inlet LwiA sound power levels for Installation Type B: free inlet, ducted outlet. Values shown are for outlet Lwo and outlet LwoA sound power levels for Installation Type B: free inlet, ducted outlet. Ratings include the effects of duct end correction.

# 300 CLASS 1 | BELT & DIRECT DRIVE - SOUND PERFORMANCE

100% Width

RPM	Nominal Ps	INLET SOUND POWER BY OCTAVE BANDS dB Lwi								LwiA
		63	125	250	500	1000	2000	4000	8000	
450	0.00	74	72	69	66	62	53	45	37	67
	0.25	73	71	67	63	59	51	42	34	65
	0.50	75	69	64	62	58	51	43	35	64
	0.75	76	67	62	59	57	50	43	35	62
800	0.00	86	86	84	81	78	73	64	56	83
	0.75	86	86	83	79	76	71	62	54	81
	1.50	86	85	81	77	74	70	62	54	80
	2.25	86	85	79	74	72	68	61	53	78
1050	0.00	92	92	91	88	85	83	73	65	91
	1.25	91	92	91	87	84	80	72	64	89
	2.75	93	91	88	84	80	79	71	63	87
	4.00	94	91	86	81	78	76	70	63	85
1400	0.00	98	98	98	96	92	90	83	74	98
	2.50	97	98	98	94	90	87	81	72	96
	5.00	99	98	96	92	88	86	80	73	94
	7.10	100	98	94	90	86	83	79	72	93

RPM	Nominal Ps	OUTLET SOUND POWER BY OCTAVE BANDS dB Lwo								LwoA
		63	125	250	500	1000	2000	4000	8000	
450	0.00	88	77	71	70	66	56	49	42	72
	0.25	86	75	68	66	61	53	45	38	68
	0.50	92	74	69	67	65	54	48	42	71
	0.75	95	72	68	66	65	54	48	42	72
800	0.00	96	91	88	83	83	77	67	60	87
	0.75	94	89	86	81	78	72	64	57	84
	1.50	96	87	85	81	80	75	66	59	84
	2.25	97	86	84	79	78	74	65	59	83
1050	0.00	106	96	97	90	89	87	76	69	95
	1.25	104	94	96	88	85	82	73	66	92
	2.75	110	93	93	88	85	86	74	68	92
	4.00	112	91	91	87	83	86	73	67	92
1400	0.00	113	106	104	98	95	95	87	78	102
	2.50	111	104	102	97	92	89	83	75	99
	5.00	117	105	100	96	92	92	85	76	100
	7.10	119	105	98	95	91	91	84	76	100

80% Width

RPM	Nominal Ps	INLET SOUND POWER BY OCTAVE BANDS dB Lwi								LwiA
		63	125	250	500	1000	2000	4000	8000	
450	0.00	73	72	68	66	62	52	44	36	67
	0.25	73	70	66	63	59	51	43	35	65
	0.50	74	68	64	61	58	50	42	35	63
	0.75	75	66	61	58	56	49	42	34	61
800	0.00	85	86	84	80	78	72	63	55	83
	0.75	86	85	81	78	75	71	62	54	80
	1.50	86	85	80	76	73	69	61	54	79
	2.25	86	84	78	74	71	67	61	53	77
1050	0.00	91	92	91	87	84	82	72	64	90
	1.25	92	91	89	85	82	80	71	63	88
	2.75	92	91	87	83	79	78	70	63	86
	3.75	93	90	86	81	78	76	70	62	84
1400	0.00	97	98	98	95	92	90	83	74	97
	2.50	98	98	96	93	89	87	81	73	95
	5.00	99	98	95	91	87	85	80	72	93
	7.00	99	98	94	89	85	83	78	71	92

RPM	Nominal Ps	OUTLET SOUND POWER BY OCTAVE BANDS dB Lwo								LwoA
		63	125	250	500	1000	2000	4000	8000	
450	0.00	88	76	70	70	66	55	48	41	71
	0.25	85	74	68	65	60	52	44	36	67
	0.50	92	73	68	66	64	53	47	41	70
	0.75	95	71	67	65	65	53	48	42	72
800	0.00	95	90	87	83	82	76	66	59	86
	0.75	93	88	85	80	77	71	63	56	83
	1.50	96	87	84	80	79	74	65	59	84
	2.25	96	85	83	79	78	74	64	59	83
1050	0.00	105	96	96	89	88	87	75	68	94
	1.25	103	94	95	87	84	81	72	65	91
	2.75	109	92	92	87	84	85	73	67	92
	3.75	110	91	91	86	82	85	72	66	91
1400	0.00	112	106	103	98	95	94	86	77	101
	2.50	110	103	101	96	91	88	81	74	98
	5.00	117	105	99	95	91	91	84	76	99
	7.00	119	104	97	94	90	91	84	76	99

50% Width

RPM	Nominal Ps	INLET SOUND POWER BY OCTAVE BANDS dB Lwi								LwiA
		63	125	250	500	1000	2000	4000	8000	
450	0.00	72	70	67	64	60	51	43	35	65
	0.25	72	68	64	61	57	49	41	34	63
	0.50	73	66	62	59	56	48	41	33	61
	0.75	74	64	59	56	54	47	40	32	59
800	0.00	84	84	82	79	76	71	62	54	81
	0.75	84	84	80	76	73	69	61	53	78
	1.25	84	83	79	75	72	68	60	52	77
	2.00	84	83	76	72	69	66	59	51	75
1050	0.00	90	90	89	86	83	81	71	63	88
	1.25	90	90	87	83	80	78	70	62	86
	2.50	91	89	86	81	78	76	69	61	84
	3.63	91	89	84	79	76	74	68	60	83
1400	0.00	96	96	96	93	90	88	81	72	96
	2.50	97	96	94	91	87	85	79	71	93
	5.00	97	96	93	89	85	83	78	70	91
	6.38	98	96	92	87	83	81	77	70	90

RPM	Nominal Ps	OUTLET SOUND POWER BY OCTAVE BANDS dB Lwo								LwoA
		63	125	250	500	1000	2000	4000	8000	
450	0.00	86	74	69	68	64	54	47	40	70
	0.25	83	72	65	62	57	50	42	34	65
	0.50	91	71	66	64	62	52	45	39	69
	0.75	96	69	66	64	64	52	47	42	72
800	0.00	94	89	86	81	80	74	65	58	85
	0.75	91	86	84	78	75	69	61	53	81
	1.25	94	85	83	79	78	73	63	57	82
	2.00	94	83	82	77	76	72	63	57	81
1050	0.00	104	94	95	87	87	85	74	67	92
	1.25	101	92	93	85	82	78	70	62	89
	2.50	107	90	91	85	82	83	72	65	90
	3.63	110	89	89	85	81	84	71	65	90
1400	0.00	111	104	101	96	93	92	84	76	100
	2.50	108	101	100	94	89	85	79	71	96
	5.00	116	103	97	94	89	89	82	74	97
	6.38	118	103	96	93	88	89	82	74	98

The sound power level ratings shown are in decibels, referred to 10-12 watts, calculated per AMCA International Standard 301. The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. Values shown are for inlet Lwi and inlet LwiA sound power levels for Installation Type B: free inlet, ducted outlet. Values shown are for outlet Lwo and outlet LwoA sound power levels for Installation Type B: free inlet, ducted outlet. Ratings include the effects of duct end correction.

# 330 CLASS 1 | BELT & DIRECT DRIVE - SOUND PERFORMANCE

100% Width

RPM	Nominal Ps	INLET SOUND POWER BY OCTAVE BANDS dB Lwi								LwiA
		63	125	250	500	1000	2000	4000	8000	
400	0.00	74	72	69	66	61	52	44	36	67
	0.25	73	71	66	63	58	50	41	33	64
	0.50	75	68	64	61	57	50	42	34	63
	0.75	76	66	62	59	56	49	42	34	61
700	0.00	86	86	83	80	78	71	62	54	83
	0.63	86	86	83	79	76	70	61	53	81
	1.25	85	86	81	76	72	67	58	50	79
	2.00	86	85	78	74	72	67	60	52	77
1050	0.00	95	95	94	91	88	86	76	68	93
	1.50	94	95	94	90	86	83	75	67	92
	3.00	96	94	91	87	84	82	74	66	90
	4.75	96	94	89	84	81	79	73	65	88
1273	0.00	99	99	99	96	93	91	83	74	98
	2.50	98	99	98	94	90	88	80	72	96
	5.00	100	99	96	92	88	86	80	72	95
	7.10	101	99	95	90	86	84	79	72	93

RPM	Nominal Ps	OUTLET SOUND POWER BY OCTAVE BANDS dB Lwo								LwoA
		63	125	250	500	1000	2000	4000	8000	
400	0.00	89	76	71	71	65	55	48	41	71
	0.25	86	74	68	66	60	52	44	36	68
	0.50	93	73	68	67	63	53	47	41	71
	0.75	97	72	67	67	64	53	48	43	73
700	0.00	94	91	86	83	83	74	66	59	86
	0.63	92	91	86	82	79	72	64	57	85
	1.25	90	88	83	78	74	68	60	52	81
	2.00	93	86	83	79	79	72	64	58	83
1050	0.00	109	99	100	92	92	90	79	72	97
	1.50	107	97	98	90	88	85	76	68	95
	3.00	112	96	96	91	88	89	77	71	95
	4.75	114	94	95	90	86	88	76	70	95
1273	0.00	114	106	104	98	96	95	86	78	103
	2.50	112	103	103	96	93	90	82	74	100
	5.00	118	104	101	96	92	93	84	76	100
	7.10	120	103	99	95	91	93	83	76	100

80% Width

RPM	Nominal Ps	INLET SOUND POWER BY OCTAVE BANDS dB Lwi								LwiA
		63	125	250	500	1000	2000	4000	8000	
400	0.00	73	71	68	66	60	51	43	35	67
	0.25	74	69	65	63	58	50	42	34	64
	0.50	75	67	63	61	57	49	41	34	62
	0.75	75	65	61	58	55	48	40	33	60
700	0.00	86	86	83	80	78	70	62	54	82
	0.63	85	85	81	77	75	69	61	53	80
	1.25	85	85	79	76	73	68	60	52	79
	2.00	85	84	77	73	71	66	59	51	77
1050	0.00	94	95	94	90	87	85	75	67	93
	1.50	95	94	92	88	85	83	74	66	91
	3.00	95	94	90	86	83	81	73	66	89
	4.75	96	93	89	84	80	79	72	65	87
1273	0.00	98	99	98	95	92	90	82	74	98
	2.50	99	98	97	93	89	88	81	73	96
	5.00	100	98	95	91	87	85	79	72	94
	7.00	100	98	94	89	85	83	78	71	92

RPM	Nominal Ps	OUTLET SOUND POWER BY OCTAVE BANDS dB Lwo								LwoA
		63	125	250	500	1000	2000	4000	8000	
400	0.00	88	75	71	70	64	54	47	40	71
	0.25	85	73	67	64	59	51	43	35	67
	0.50	92	72	67	67	62	53	46	40	70
	0.75	97	71	67	67	63	53	48	42	73
700	0.00	93	90	86	83	82	74	65	58	86
	0.63	91	89	84	80	77	70	62	54	82
	1.25	92	87	84	80	80	72	64	57	83
	2.00	92	85	82	78	78	71	63	57	82
1050	0.00	108	99	99	92	91	90	78	71	97
	1.50	106	96	98	90	87	84	75	67	94
	3.00	112	95	96	90	87	88	76	70	95
	4.75	114	93	94	89	85	88	75	70	94
1273	0.00	113	105	104	98	96	95	85	77	102
	2.50	111	102	102	95	92	88	81	73	99
	5.00	117	103	100	95	91	92	83	76	100
	7.00	120	102	98	95	90	92	83	76	100

50% Width

RPM	Nominal Ps	INLET SOUND POWER BY OCTAVE BANDS dB Lwi								LwiA
		63	125	250	500	1000	2000	4000	8000	
400	0.00	72	70	67	64	59	50	42	34	65
	0.25	72	67	63	61	56	48	40	33	62
	0.50	73	65	61	58	55	47	40	32	60
	0.63	74	64	60	57	54	47	39	31	59
700	0.00	84	84	81	78	76	69	60	52	80
	0.63	84	84	79	75	73	67	59	51	78
	1.13	84	83	78	74	72	66	59	51	77
	1.88	84	83	75	71	69	65	58	50	75
1050	0.00	92	93	92	89	86	84	74	66	91
	1.50	93	92	90	86	83	81	72	65	89
	2.75	94	92	89	84	81	79	72	64	87
	4.38	94	92	87	82	78	77	71	63	85
1273	0.00	97	97	97	94	91	89	80	72	96
	2.50	97	97	95	91	87	86	79	71	94
	5.00	98	97	93	89	85	83	78	70	92
	6.38	99	96	92	88	84	82	77	69	91

RPM	Nominal Ps	OUTLET SOUND POWER BY OCTAVE BANDS dB Lwo								LwoA
		63	125	250	500	1000	2000	4000	8000	
400	0.00	86	73	69	68	62	53	46	39	69
	0.25	83	71	65	62	56	48	41	33	64
	0.50	91	70	66	65	60	51	45	39	69
	0.63	93	69	65	64	60	51	45	39	70
700	0.00	92	89	84	81	80	72	64	57	84
	0.63	89	87	82	78	74	68	60	52	80
	1.13	91	86	82	78	78	71	62	56	82
	1.88	90	83	81	76	77	70	62	56	80
1050	0.00	107	97	97	90	90	88	76	69	95
	1.50	104	94	96	88	85	81	73	65	92
	2.75	110	94	94	88	86	87	75	68	93
	4.38	113	92	92	88	84	87	74	68	93
1273	0.00	111	103	102	96	94	93	84	76	100
	2.50	109	100	100	93	89	86	79	71	97
	5.00	116	101	98	94	89	91	81	74	98
	6.38	118	101	97	93	89	91	81	74	98

The sound power level ratings shown are in decibels, referred to 10-12 watts, calculated per AMCA International Standard 301. The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. Values shown are for inlet Lwi and inlet LwiA sound power levels for Installation Type B: free inlet, ducted outlet. Values shown are for outlet Lwo and outlet LwoA sound power levels for Installation Type B: free inlet, ducted outlet. Ratings include the effects of duct end correction.



# 365 CLASS 1 | BELT DRIVE - SOUND PERFORMANCE

100% Width

RPM	Nominal Ps	INLET SOUND POWER BY OCTAVE BANDS dB Lwi								LwiA
		63	125	250	500	1000	2000	4000	8000	
350	0.00	74	71	68	66	59	50	42	35	66
	0.25	73	70	65	63	56	48	39	31	64
	0.50	75	67	63	61	56	48	41	33	62
	0.75	77	64	61	59	55	48	41	34	61
650	0.00	88	88	85	81	79	71	63	55	84
	0.88	87	88	83	78	76	69	60	52	81
	1.63	87	87	80	76	75	69	61	53	80
	2.25	87	86	79	75	73	68	60	53	78
950	0.00	96	96	95	91	88	85	75	68	94
	1.75	95	96	94	89	85	82	74	65	92
	3.50	97	95	91	87	84	81	74	66	90
	4.88	97	95	89	85	82	79	73	65	88
1151	0.00	100	100	100	96	93	92	82	74	99
	2.50	99	100	99	94	90	88	80	72	97
	5.00	101	99	96	92	88	87	80	72	95
	7.10	102	99	95	90	86	85	79	71	93

RPM	Nominal Ps	OUTLET SOUND POWER BY OCTAVE BANDS dB Lwo								LwoA
		63	125	250	500	1000	2000	4000	8000	
350	0.00	89	74	71	71	62	54	47	40	71
	0.25	86	72	68	65	58	50	42	35	67
	0.50	93	72	67	68	60	52	46	40	71
	0.75	99	71	67	69	62	53	48	43	75
650	0.00	94	93	87	85	84	75	66	59	88
	0.88	92	91	85	81	78	71	63	55	83
	1.63	92	89	85	81	82	73	65	59	85
	2.25	92	87	84	79	81	72	65	59	84
950	0.00	108	100	99	93	93	89	79	72	98
	1.75	106	98	98	91	88	84	75	68	94
	3.50	111	96	96	91	89	88	77	70	95
	4.88	112	95	95	90	87	88	76	70	95
1151	0.00	115	105	105	98	97	96	85	78	103
	2.50	112	103	104	96	93	90	82	74	100
	5.00	119	102	101	96	93	94	83	76	101
	7.10	121	100	100	96	91	94	82	76	101

80% Width

RPM	Nominal Ps	INLET SOUND POWER BY OCTAVE BANDS dB Lwi								LwiA
		63	125	250	500	1000	2000	4000	8000	
350	0.00	73	71	68	66	58	50	42	34	66
	0.25	74	68	65	63	57	49	41	33	63
	0.50	75	66	62	60	55	48	40	32	61
	0.75	76	64	60	58	54	47	39	31	60
650	0.00	87	87	84	81	79	71	62	54	83
	0.88	87	87	81	78	76	69	61	53	81
	1.63	87	86	79	76	74	68	60	53	79
	2.13	87	86	78	74	72	67	60	52	78
950	0.00	95	96	94	91	88	85	75	67	93
	1.75	95	95	92	88	85	82	74	66	91
	3.50	96	94	90	86	83	80	73	65	89
	4.75	96	94	89	84	81	79	72	64	87
1151	0.00	99	100	99	96	93	91	81	73	98
	2.50	100	99	97	93	90	88	80	72	96
	5.00	101	99	96	91	87	86	79	71	94
	7.00	101	98	94	89	86	84	78	71	93

RPM	Nominal Ps	OUTLET SOUND POWER BY OCTAVE BANDS dB Lwo								LwoA
		63	125	250	500	1000	2000	4000	8000	
350	0.00	88	74	71	70	62	53	46	39	70
	0.25	85	71	67	63	57	49	41	34	66
	0.50	93	71	67	67	60	51	45	39	70
	0.75	99	70	66	69	61	53	48	43	74
650	0.00	94	92	86	84	83	74	66	59	87
	0.88	91	90	84	80	76	69	62	54	82
	1.63	92	88	84	80	81	72	64	58	84
	2.13	91	87	83	79	80	71	64	58	83
950	0.00	108	100	99	93	92	89	78	71	97
	1.75	105	97	97	90	87	82	74	67	93
	3.50	110	96	95	90	88	87	76	70	94
	4.75	112	94	94	89	87	87	76	70	94
1151	0.00	114	104	105	97	96	95	84	77	102
	2.50	112	102	103	95	92	89	81	73	99
	5.00	118	101	101	95	92	94	82	76	100
	7.00	121	100	99	95	90	94	82	76	100

50% Width

RPM	Nominal Ps	INLET SOUND POWER BY OCTAVE BANDS dB Lwi								LwiA
		63	125	250	500	1000	2000	4000	8000	
350	0.00	72	69	66	64	57	48	40	32	64
	0.25	72	66	62	60	55	47	39	31	61
	0.38	73	65	62	59	54	46	39	31	61
	0.50	73	64	60	58	53	46	38	30	59
650	0.00	86	86	82	79	77	69	61	53	82
	0.63	85	85	80	77	75	68	60	52	79
	1.13	85	85	79	75	73	67	59	51	78
	2.00	85	84	76	72	70	65	58	50	76
950	0.00	93	94	93	89	86	83	73	65	92
	1.50	94	93	90	86	83	81	72	64	89
	2.75	94	93	89	85	82	79	72	64	88
	4.38	95	92	87	82	79	77	71	63	86
1151	0.00	97	98	97	94	91	90	80	72	97
	2.50	98	97	95	91	88	86	78	71	94
	5.00	99	97	94	89	85	84	77	70	92
	6.44	100	97	93	88	84	82	77	69	91

RPM	Nominal Ps	OUTLET SOUND POWER BY OCTAVE BANDS dB Lwo								LwoA
		63	125	250	500	1000	2000	4000	8000	
350	0.00	87	72	69	68	60	52	45	38	69
	0.25	83	70	64	61	54	47	39	31	63
	0.38	91	70	66	66	58	50	44	38	68
	0.50	92	69	65	65	58	50	44	38	69
650	0.00	92	90	85	83	82	72	64	57	85
	0.63	90	89	83	79	76	69	61	53	81
	1.13	90	87	83	79	80	71	63	57	83
	2.00	89	85	82	77	79	70	62	57	82
950	0.00	106	98	97	91	90	87	76	69	95
	1.50	103	96	95	88	85	81	73	65	92
	2.75	108	95	94	89	87	86	75	68	93
	4.38	110	93	92	88	85	86	74	68	92
1151	0.00	112	103	103	96	95	94	83	75	101
	2.50	109	100	101	93	90	86	79	71	97
	5.00	117	99	99	94	90	92	80	74	98
	6.44	119	98	97	93	89	92	80	74	99

The sound power level ratings shown are in decibels, referred to 10-12 watts, calculated per AMCA International Standard 301. The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. Values shown are for inlet Lwi and inlet LwiA sound power levels for Installation Type B: free inlet, ducted outlet. Values shown are for outlet Lwo and outlet LwoA sound power levels for Installation Type B: free inlet, ducted outlet. Ratings include the effects of duct end correction.

# 402 CLASS 1 | BELT DRIVE - SOUND PERFORMANCE

100% Width

RPM	Nominal Ps	INLET SOUND POWER BY OCTAVE BANDS dB Lwi								LwiA
		63	125	250	500	1000	2000	4000	8000	
230	0.00	68	63	61	57	47	39	31	24	57
	0.13	67	61	57	54	45	37	28	20	55
	0.25	69	59	56	53	45	38	30	22	54
	0.38	71	56	53	51	45	38	30	23	53
500	0.00	85	84	81	78	75	65	57	49	79
	0.50	85	84	79	76	72	64	56	48	78
	1.00	86	81	77	73	71	63	56	48	76
	1.50	86	79	75	71	69	63	55	47	74
725	0.00	93	93	90	87	85	78	69	62	90
	1.13	93	93	89	85	82	76	68	59	87
	2.50	93	92	86	82	80	75	68	60	85
	3.38	93	92	85	80	78	74	67	59	84
1044	0.00	101	101	100	97	94	92	82	74	99
	2.50	100	101	99	95	91	88	80	71	97
	5.00	102	100	97	92	89	87	80	72	95
	7.10	102	100	95	90	87	85	79	71	94

RPM	Nominal Ps	OUTLET SOUND POWER BY OCTAVE BANDS dB Lwo								LwoA
		63	125	250	500	1000	2000	4000	8000	
230	0.00	83	65	65	61	50	43	36	29	63
	0.13	80	63	60	55	47	39	32	24	59
	0.25	87	63	61	59	49	42	36	30	63
	0.38	92	62	60	61	49	44	38	33	67
500	0.00	99	89	82	82	79	68	61	54	84
	0.50	98	88	80	78	74	65	58	50	81
	1.00	103	86	81	78	78	66	60	54	83
	1.50	105	84	80	76	77	66	60	54	83
725	0.00	101	98	94	90	89	82	73	66	93
	1.13	99	96	92	87	84	78	70	62	90
	2.50	101	94	91	87	87	80	71	65	90
	3.38	100	92	90	85	86	79	71	65	90
1044	0.00	115	105	106	98	98	96	85	78	103
	2.50	112	103	104	96	94	90	82	74	100
	5.00	118	101	102	96	93	94	83	76	101
	7.10	120	100	100	96	92	94	82	76	101

80% Width

RPM	Nominal Ps	INLET SOUND POWER BY OCTAVE BANDS dB Lwi								LwiA
		63	125	250	500	1000	2000	4000	8000	
230	0.00	67	63	60	56	47	39	31	23	57
	0.13	68	60	57	54	46	38	30	22	54
	0.25	69	58	55	52	45	37	29	21	53
	0.38	70	55	52	50	44	36	28	21	51
500	0.00	84	83	80	77	74	65	57	49	79
	0.50	85	82	78	75	72	64	56	48	77
	1.00	85	80	76	73	70	63	55	47	75
	1.50	86	79	74	70	68	62	54	46	73
725	0.00	92	93	90	87	84	78	69	61	89
	1.13	92	92	88	84	82	76	68	60	87
	2.50	92	92	85	81	79	74	67	59	85
	3.25	92	91	84	80	78	73	66	59	83
1044	0.00	100	101	100	96	93	91	81	73	99
	2.50	101	100	98	94	90	88	80	72	96
	5.00	101	99	96	91	88	86	79	71	95
	7.00	102	99	95	90	86	84	78	71	93

RPM	Nominal Ps	OUTLET SOUND POWER BY OCTAVE BANDS dB Lwo								LwoA
		63	125	250	500	1000	2000	4000	8000	
230	0.00	82	65	64	60	50	43	36	29	62
	0.13	79	62	59	54	46	38	31	23	58
	0.25	86	62	60	59	48	42	35	29	63
	0.38	92	62	60	61	48	43	38	33	67
500	0.00	99	88	82	81	79	67	60	53	83
	0.50	97	87	79	77	73	64	57	49	80
	1.00	103	85	80	77	77	66	59	53	82
	1.50	105	84	79	75	76	65	59	53	82
725	0.00	101	97	93	90	89	81	72	65	93
	1.13	98	95	91	86	83	77	69	61	89
	2.50	100	93	90	86	86	79	71	64	90
	3.25	100	92	89	85	85	79	70	64	89
1044	0.00	114	105	105	98	97	95	84	77	103
	2.50	112	102	103	95	93	89	81	73	99
	5.00	118	101	101	96	93	94	82	76	100
	7.00	120	99	100	95	91	94	81	76	100

50% Width

RPM	Nominal Ps	INLET SOUND POWER BY OCTAVE BANDS dB Lwi								LwiA
		63	125	250	500	1000	2000	4000	8000	
230	0.00	65	61	58	55	45	37	29	22	55
	0.13	66	58	55	52	44	36	28	20	52
	0.19	67	57	54	51	43	36	28	20	52
	0.25	67	56	53	50	43	35	27	20	51
500	0.00	83	82	78	75	73	63	55	47	77
	0.50	83	80	76	73	70	62	54	46	75
	1.00	84	78	74	71	68	61	53	45	73
	1.38	84	77	72	69	67	60	53	45	72
725	0.00	91	91	88	85	83	76	67	59	87
	1.13	91	90	86	82	80	74	66	58	85
	2.50	91	90	83	79	77	73	65	57	83
	3.10	91	90	82	78	76	72	65	57	82
1044	0.00	98	99	98	95	92	90	79	72	97
	2.50	99	98	96	92	88	86	78	70	94
	5.00	100	98	94	89	86	84	77	69	93
	6.38	100	97	93	88	84	83	77	69	91

RPM	Nominal Ps	OUTLET SOUND POWER BY OCTAVE BANDS dB Lwo								LwoA
		63	125	250	500	1000	2000	4000	8000	
230	0.00	80	63	63	59	48	41	34	27	60
	0.13	77	60	56	51	44	36	28	20	55
	0.19	84	61	59	57	47	40	34	28	61
	0.25	85	60	58	57	46	40	34	28	61
500	0.00	97	87	80	80	77	66	59	52	82
	0.50	95	85	77	75	71	62	55	47	77
	1.00	101	83	78	75	75	64	58	51	80
	1.38	103	82	77	74	75	63	57	51	81
725	0.00	99	96	91	88	87	80	71	64	91
	1.13	96	93	89	84	81	74	67	59	87
	2.50	98	91	88	84	84	77	69	63	88
	3.10	98	90	88	83	84	78	69	63	88
1044	0.00	112	103	103	96	96	94	82	75	101
	2.50	110	100	101	93	90	86	78	71	97
	5.00	117	99	99	94	91	92	80	74	99
	6.38	118	98	98	94	90	92	80	74	99

The sound power level ratings shown are in decibels, referred to 10-12 watts, calculated per AMCA International Standard 301. The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. Values shown are for inlet Lwi and inlet LwiA sound power levels for Installation Type B: free inlet, ducted outlet. Values shown are for outlet Lwo and outlet LwoA sound power levels for Installation Type B: free inlet, ducted outlet. Ratings include the effects of duct end correction.

# 445 CLASS 1 | BELT DRIVE - SOUND PERFORMANCE

100% Width

RPM	Nominal Ps	INLET SOUND POWER BY OCTAVE BANDS dB Lwi								LwiA
		63	125	250	500	1000	2000	4000	8000	
210	0.00	69	64	61	57	47	39	32	24	58
	0.13	68	61	58	54	45	37	28	20	55
	0.25	70	59	57	53	45	38	30	22	54
	0.38	72	57	54	51	45	38	30	23	53
500	0.00	88	87	84	81	78	68	60	52	83
	0.63	88	86	82	78	75	67	58	50	80
	1.25	89	84	80	76	74	66	59	51	79
	2.00	90	82	77	74	72	66	58	50	77
775	0.00	97	98	95	92	90	84	75	67	94
	1.50	97	97	95	91	88	82	74	66	93
	3.00	98	97	92	88	85	81	73	65	91
	4.75	98	96	90	85	83	79	72	64	89
944	0.00	101	102	100	97	94	91	81	73	100
	2.50	101	102	99	95	91	88	79	71	97
	5.00	102	101	97	93	90	87	79	72	96
	7.10	103	100	95	91	87	85	79	71	94

RPM	Nominal Ps	OUTLET SOUND POWER BY OCTAVE BANDS dB Lwo								LwoA
		63	125	250	500	1000	2000	4000	8000	
210	0.00	84	66	66	60	51	44	37	30	63
	0.13	81	63	61	55	47	40	32	24	59
	0.25	88	64	62	59	49	43	36	30	64
	0.38	92	63	62	60	49	44	38	33	68
500	0.00	103	92	85	85	82	71	64	57	87
	0.63	101	91	83	81	77	68	61	53	83
	1.25	106	89	84	81	81	69	63	57	86
	2.00	109	87	83	79	81	69	63	57	86
775	0.00	107	102	99	95	94	87	78	71	98
	1.50	105	101	97	92	89	83	75	68	95
	3.00	107	99	96	92	91	86	77	70	96
	4.75	107	97	95	90	90	85	76	70	94
944	0.00	114	106	105	99	99	95	84	77	103
	2.50	112	104	104	97	94	90	81	74	100
	5.00	116	102	102	97	95	94	83	76	101
	7.10	118	101	100	96	93	93	82	76	100

80% Width

RPM	Nominal Ps	INLET SOUND POWER BY OCTAVE BANDS dB Lwi								LwiA
		63	125	250	500	1000	2000	4000	8000	
210	0.00	68	63	61	56	47	39	31	23	57
	0.13	69	61	58	54	46	38	30	22	55
	0.25	70	58	56	52	45	37	29	21	53
	0.38	71	56	53	50	44	36	28	21	52
500	0.00	87	86	83	80	78	68	60	52	82
	0.63	88	85	81	78	75	67	59	51	80
	1.25	89	83	79	76	73	66	58	50	78
	1.88	89	81	77	73	71	65	57	49	76
775	0.00	97	97	95	91	89	83	74	66	94
	1.50	97	97	93	89	87	82	73	65	92
	3.00	97	96	91	87	85	80	72	65	90
	4.63	97	96	89	85	82	78	72	64	88
944	0.00	101	101	100	97	94	90	81	73	99
	2.50	101	101	98	94	91	88	80	72	97
	5.00	102	100	96	92	89	86	79	71	95
	7.00	102	100	95	90	87	84	78	70	93

RPM	Nominal Ps	OUTLET SOUND POWER BY OCTAVE BANDS dB Lwo								LwoA
		63	125	250	500	1000	2000	4000	8000	
210	0.00	83	66	65	60	50	43	36	29	62
	0.13	80	62	60	54	46	38	31	23	58
	0.25	87	63	62	58	48	42	36	29	64
	0.38	92	62	62	60	49	43	38	33	67
500	0.00	102	91	85	84	82	70	63	56	86
	0.63	100	90	82	80	76	67	60	52	82
	1.25	106	88	83	80	80	69	62	56	85
	1.88	108	87	82	78	79	68	62	56	85
775	0.00	106	102	98	94	93	87	77	70	97
	1.50	104	100	96	91	88	82	74	67	94
	3.00	106	98	96	91	90	85	76	70	95
	4.63	107	96	94	90	89	85	75	70	94
944	0.00	113	106	105	98	98	94	84	77	103
	2.50	111	103	103	96	93	88	80	73	99
	5.00	116	102	101	96	94	93	82	76	100
	7.00	118	100	100	95	93	93	81	76	100

50% Width

RPM	Nominal Ps	INLET SOUND POWER BY OCTAVE BANDS dB Lwi								LwiA
		63	125	250	500	1000	2000	4000	8000	
210	0.00	67	62	59	55	45	37	29	22	56
	0.13	67	58	56	52	44	36	28	20	53
	0.19	68	58	55	51	44	36	28	20	52
	0.25	68	56	54	50	43	35	27	20	52
500	0.00	86	85	81	79	76	66	58	50	80
	0.63	86	83	79	75	73	65	57	49	78
	1.25	87	81	77	74	71	64	56	49	76
	1.75	87	80	75	72	70	63	56	48	74
775	0.00	95	96	93	90	88	82	73	65	92
	1.25	95	95	91	87	85	80	72	64	90
	2.75	95	95	89	85	83	79	71	63	88
	4.25	96	94	87	83	81	77	70	62	87
944	0.00	99	100	98	95	92	89	79	71	97
	2.50	100	99	96	92	89	86	78	70	95
	5.00	100	99	94	90	87	84	77	69	93
	6.38	101	98	93	88	85	83	76	69	92

RPM	Nominal Ps	OUTLET SOUND POWER BY OCTAVE BANDS dB Lwo								LwoA
		63	125	250	500	1000	2000	4000	8000	
210	0.00	81	64	63	58	48	41	34	27	61
	0.13	78	60	57	52	44	36	28	20	56
	0.19	85	62	61	57	47	40	34	28	62
	0.25	86	61	60	56	46	40	34	28	62
500	0.00	100	90	83	83	80	69	62	55	85
	0.63	98	88	80	78	73	65	58	50	80
	1.25	105	86	81	78	78	67	61	55	84
	1.75	107	85	80	77	78	66	61	55	84
775	0.00	105	100	97	92	92	85	76	69	96
	1.25	102	98	95	90	87	81	73	65	93
	2.75	105	96	94	90	89	84	74	68	93
	4.25	105	95	93	88	88	83	74	68	92
944	0.00	112	104	103	97	96	93	82	75	101
	2.50	109	101	101	94	91	86	78	70	97
	5.00	115	100	99	94	92	91	80	74	98
	6.38	116	99	98	94	91	91	80	74	98

The sound power level ratings shown are in decibels, referred to 10-12 watts, calculated per AMCA International Standard 301. The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. Values shown are for inlet Lwi and inlet LwiA sound power levels for Installation Type B: free inlet, ducted outlet. Values shown are for outlet Lwo and outlet LwoA sound power levels for Installation Type B: free inlet, ducted outlet. Ratings include the effects of duct end correction.

# 490 CLASS 1 | BELT DRIVE - SOUND PERFORMANCE

100% Width

RPM	Nominal Ps	INLET SOUND POWER BY OCTAVE BANDS dB Lwi								LwiA
		63	125	250	500	1000	2000	4000	8000	
190	0.00	69	64	62	56	47	39	31	23	58
	0.13	69	62	59	53	45	36	28	19	55
	0.25	71	60	57	53	45	37	30	22	54
	0.38	72	57	55	51	45	37	30	22	53
425	0.00	87	86	82	80	75	66	58	50	81
	0.63	87	84	80	77	72	64	55	47	78
	1.25	88	82	78	75	71	64	56	48	77
	1.75	89	80	76	73	70	63	55	48	75
650	0.00	97	97	93	90	88	80	72	64	93
	1.25	96	97	93	89	86	79	71	63	91
	2.50	96	96	90	86	84	78	70	63	89
	4.10	96	95	87	83	82	77	69	62	87
857	0.00	102	103	101	97	95	90	81	73	100
	2.50	102	103	100	95	92	88	79	71	98
	5.00	103	102	97	93	90	87	79	71	96
	7.10	103	101	95	91	88	85	78	71	94

RPM	Nominal Ps	OUTLET SOUND POWER BY OCTAVE BANDS dB Lwo								LwoA
		63	125	250	500	1000	2000	4000	8000	
190	0.00	84	67	66	60	50	43	36	29	63
	0.13	82	64	61	55	47	39	32	24	60
	0.25	89	64	63	58	49	42	36	30	65
	0.38	93	63	64	59	49	44	38	33	68
425	0.00	102	90	85	84	79	69	62	55	85
	0.63	100	88	82	79	74	66	58	50	81
	1.25	106	87	82	80	77	67	61	55	84
	1.75	109	85	81	79	77	67	61	55	85
650	0.00	103	102	96	94	93	84	75	68	96
	1.25	101	100	94	91	88	80	72	65	93
	2.50	102	98	94	90	91	82	74	68	94
	4.10	101	96	93	88	90	81	74	68	93
857	0.00	113	107	105	100	99	94	84	77	104
	2.50	111	105	103	97	95	89	81	73	100
	5.00	115	103	102	97	96	93	82	76	101
	7.10	116	102	101	96	95	92	82	76	100

80% Width

RPM	Nominal Ps	INLET SOUND POWER BY OCTAVE BANDS dB Lwi								LwiA
		63	125	250	500	1000	2000	4000	8000	
190	0.00	69	64	61	55	46	38	31	23	57
	0.13	70	61	58	53	45	37	30	22	55
	0.25	70	59	56	52	44	37	29	21	54
	0.38	71	56	54	50	43	36	28	20	52
425	0.00	87	85	82	79	75	65	57	49	80
	0.63	87	83	79	76	72	64	56	48	78
	1.25	88	81	77	74	71	63	55	48	76
	1.63	88	80	75	72	69	63	55	47	75
650	0.00	96	96	93	90	88	80	71	63	92
	1.25	96	96	91	87	85	78	70	63	90
	2.50	96	95	89	85	83	77	70	62	88
	3.88	95	95	87	83	81	76	69	61	87
857	0.00	102	102	100	97	94	90	80	73	99
	2.50	102	102	98	94	92	88	79	72	97
	5.00	102	101	96	92	89	86	79	71	95
	7.00	103	101	95	90	87	84	78	70	94

RPM	Nominal Ps	OUTLET SOUND POWER BY OCTAVE BANDS dB Lwo								LwoA
		63	125	250	500	1000	2000	4000	8000	
190	0.00	84	66	66	59	50	43	36	29	63
	0.13	81	63	60	54	46	38	30	23	59
	0.25	88	63	63	57	48	42	36	29	64
	0.38	93	62	63	58	49	43	38	33	68
425	0.00	101	89	84	83	78	68	61	54	84
	0.63	99	87	81	78	73	65	57	49	80
	1.25	106	86	81	80	77	66	60	54	84
	1.63	107	85	80	79	76	66	60	54	84
650	0.00	103	101	95	93	92	83	75	68	96
	1.25	100	99	93	90	87	79	71	64	92
	2.50	101	97	93	90	90	81	73	67	93
	3.88	100	96	92	88	89	80	73	67	92
857	0.00	113	107	104	99	99	94	84	77	103
	2.50	110	104	103	96	93	88	80	72	99
	5.00	114	103	101	96	95	92	82	76	100
	7.00	115	101	100	96	94	92	81	76	100

50% Width

RPM	Nominal Ps	INLET SOUND POWER BY OCTAVE BANDS dB Lwi								LwiA
		63	125	250	500	1000	2000	4000	8000	
190	0.00	67	62	60	54	45	37	29	21	56
	0.13	68	59	56	51	43	36	28	20	53
	0.19	69	58	56	51	43	35	28	20	52
	0.25	69	57	54	50	43	35	27	19	52
425	0.00	85	83	80	78	73	64	56	48	79
	0.50	86	81	78	75	71	63	55	47	76
	1.00	86	80	76	73	69	62	54	46	75
	1.50	87	78	74	71	68	61	53	45	73
650	0.00	95	95	91	88	86	78	70	62	91
	1.25	94	94	89	85	83	77	69	61	88
	2.50	94	94	87	83	81	76	68	60	86
	3.63	94	93	85	81	79	74	67	59	85
857	0.00	100	101	99	95	93	88	79	71	98
	2.50	100	100	96	92	89	86	78	70	95
	5.00	101	99	94	90	87	84	77	69	93
	6.38	101	99	93	89	86	83	76	68	92

RPM	Nominal Ps	OUTLET SOUND POWER BY OCTAVE BANDS dB Lwo								LwoA
		63	125	250	500	1000	2000	4000	8000	
190	0.00	82	65	64	57	48	41	34	27	61
	0.13	79	61	57	51	44	36	28	20	56
	0.19	86	62	61	56	47	40	34	28	62
	0.25	87	61	61	55	46	40	34	28	63
425	0.00	100	87	82	82	77	67	60	53	83
	0.50	97	86	79	77	71	63	56	48	79
	1.00	104	85	80	79	75	65	59	52	82
	1.50	106	83	79	77	74	64	58	52	82
650	0.00	101	99	94	91	91	81	73	66	94
	1.25	98	98	91	88	84	77	69	62	90
	2.50	99	96	92	88	88	79	72	66	92
	3.63	98	94	91	86	88	79	71	66	91
857	0.00	111	105	103	98	97	92	82	75	101
	2.50	108	102	101	94	91	86	78	70	97
	5.00	113	101	99	95	93	90	80	74	98
	6.38	114	99	98	94	92	90	80	74	98

The sound power level ratings shown are in decibels, referred to 10-12 watts, calculated per AMCA International Standard 301. The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. Values shown are for inlet Lwi and inlet LwiA sound power levels for Installation Type B: free inlet, ducted outlet. Values shown are for outlet Lwo and outlet LwoA sound power levels for Installation Type B: free inlet, ducted outlet. Ratings include the effects of duct end correction.

# 542 CLASS 1 | BELT DRIVE - SOUND PERFORMANCE

100% Width

RPM	Nominal Ps	INLET SOUND POWER BY OCTAVE BANDS dB Lwi								LwiA
		63	125	250	500	1000	2000	4000	8000	
170	0.00	70	64	62	55	46	38	31	23	58
	0.13	69	62	59	52	44	35	27	18	55
	0.19	69	60	57	51	43	34	25	16	53
	0.25	72	60	58	52	44	37	29	21	54
425	0.00	90	89	85	83	78	69	61	53	84
	0.63	90	88	84	81	76	68	60	52	82
	1.25	90	87	81	77	73	65	56	47	79
	1.88	92	84	80	77	74	66	59	51	79
610	0.00	98	98	95	92	90	81	73	65	94
	1.50	98	98	93	89	87	79	71	62	92
	3.00	98	98	91	87	85	79	71	63	90
	4.38	97	97	89	85	83	78	70	63	89
774	0.00	103	104	101	98	96	90	81	73	100
	2.50	103	103	100	95	93	87	79	70	98
	5.00	104	103	97	93	91	87	79	71	96
	7.10	104	102	96	91	89	85	78	71	95

RPM	Nominal Ps	OUTLET SOUND POWER BY OCTAVE BANDS dB Lwo								LwoA
		63	125	250	500	1000	2000	4000	8000	
170	0.00	85	68	67	58	50	43	36	29	63
	0.13	83	64	61	54	46	39	31	23	60
	0.19	82	62	58	52	44	37	29	21	58
	0.25	90	64	64	56	48	42	36	30	65
425	0.00	105	93	88	87	82	72	65	58	88
	0.63	104	93	87	85	79	71	63	56	86
	1.25	101	90	83	79	74	67	59	51	82
	1.88	110	89	84	83	80	70	64	58	88
610	0.00	104	103	97	95	94	84	76	69	98
	1.50	102	102	95	92	89	81	73	66	94
	3.00	101	100	95	91	93	82	75	69	95
	4.38	100	98	94	90	92	82	75	69	95
774	0.00	113	108	105	101	100	93	84	77	104
	2.50	110	106	103	98	95	89	81	73	101
	5.00	113	104	102	98	97	92	82	76	101
	7.10	113	103	101	96	96	91	82	76	100

80% Width

RPM	Nominal Ps	INLET SOUND POWER BY OCTAVE BANDS dB Lwi								LwiA
		63	125	250	500	1000	2000	4000	8000	
170	0.00	70	64	62	54	46	38	30	22	57
	0.13	70	61	59	53	45	37	29	21	55
	0.19	71	60	58	52	44	36	29	21	54
	0.25	71	59	57	51	44	36	28	20	53
425	0.00	90	88	85	82	78	68	60	52	83
	0.63	90	86	83	80	76	67	59	52	81
	1.25	91	85	81	78	74	67	59	51	80
	2.00	91	83	78	76	72	66	58	50	78
610	0.00	98	98	94	91	89	81	72	64	94
	1.50	97	97	92	88	87	79	71	63	91
	3.00	97	97	90	86	85	78	70	63	89
	4.25	97	97	88	84	83	77	70	62	88
774	0.00	103	103	101	97	95	89	80	72	100
	2.50	103	103	98	95	92	87	79	71	97
	5.00	103	102	97	92	90	86	78	70	96
	7.00	103	102	95	91	88	84	77	70	94

RPM	Nominal Ps	OUTLET SOUND POWER BY OCTAVE BANDS dB Lwo								LwoA
		63	125	250	500	1000	2000	4000	8000	
170	0.00	84	67	66	58	49	42	35	28	63
	0.13	82	63	60	53	45	37	30	22	59
	0.19	88	64	64	56	48	42	35	29	64
	0.25	89	63	64	56	48	41	35	29	65
425	0.00	104	92	87	86	81	71	64	57	88
	0.63	102	91	85	82	77	68	61	53	84
	1.25	108	90	85	83	80	70	64	57	87
	2.00	110	88	83	82	79	69	63	57	87
610	0.00	103	103	96	95	94	84	76	69	97
	1.50	101	101	94	91	88	80	72	64	93
	3.00	101	99	94	91	92	82	74	68	95
	4.25	100	97	94	89	91	81	74	68	94
774	0.00	112	108	104	100	99	93	83	76	103
	2.50	110	106	102	97	94	88	80	72	100
	5.00	112	104	101	97	96	91	82	76	101
	7.00	113	102	100	96	96	91	81	76	100

50% Width

RPM	Nominal Ps	INLET SOUND POWER BY OCTAVE BANDS dB Lwi								LwiA
		63	125	250	500	1000	2000	4000	8000	
170	0.00	68	62	60	53	44	36	28	21	55
	0.13	69	59	57	51	43	35	27	19	53
	0.19	69	58	56	50	43	35	27	19	52
	0.25	70	57	55	49	42	34	26	19	52
425	0.00	88	87	83	81	76	67	59	51	82
	0.63	89	84	81	78	74	66	58	50	79
	1.25	89	83	79	76	72	65	57	49	78
	1.88	90	81	77	74	71	64	56	48	76
610	0.00	96	96	93	90	88	79	71	63	92
	1.25	96	96	90	87	85	78	70	62	90
	2.50	96	95	89	85	83	77	69	61	88
	4.00	95	95	86	82	81	76	68	60	86
774	0.00	101	102	99	96	94	88	79	71	98
	2.50	101	101	96	93	90	85	77	70	95
	5.00	101	100	95	90	88	84	76	69	94
	6.38	102	100	93	89	86	83	76	68	92

RPM	Nominal Ps	OUTLET SOUND POWER BY OCTAVE BANDS dB Lwo								LwoA
		63	125	250	500	1000	2000	4000	8000	
170	0.00	83	65	65	56	48	41	34	27	61
	0.13	80	61	57	51	43	35	27	19	57
	0.19	87	62	62	54	46	40	34	27	63
	0.25	88	61	62	54	46	40	34	28	63
425	0.00	103	91	86	85	80	70	63	56	86
	0.63	100	89	82	80	74	66	59	51	82
	1.25	107	88	83	82	78	68	62	56	85
	1.88	109	86	82	80	78	67	62	56	86
610	0.00	102	101	95	93	92	82	74	67	96
	1.25	99	100	93	89	86	78	71	63	92
	2.50	99	98	93	89	90	80	73	67	93
	4.00	98	96	92	87	90	80	73	67	93
774	0.00	110	106	103	98	98	91	82	75	102
	2.50	108	104	100	95	91	85	78	70	97
	5.00	111	102	99	95	94	89	80	74	99
	6.38	111	100	99	94	94	89	80	74	98

The sound power level ratings shown are in decibels, referred to 10-12 watts, calculated per AMCA International Standard 301. The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. Values shown are for inlet Lwi and inlet LwiA sound power levels for Installation Type B: free inlet, ducted outlet. Values shown are for outlet Lwo and outlet LwoA sound power levels for Installation Type B: free inlet, ducted outlet. Ratings include the effects of duct end correction.

# SOUND POWER LEVELS GUIDE

## Sound Power Levels

Since any mechanical device generates some sound energy into the air, fans will create some noise. Because of the great number of factors influencing sound output, it is invalid to compare fans based on RPM, tip speed, or outlet velocity. The only accurate basis of comparison is the sound power level generated by the fan at the required point of operation.

Having sound power levels for a specific fan at a specific operating point allows the system designer to determine the theoretical sound pressure level at any point in the occupied space. AMCA Publication 303 and the ASHRAE Guides provide more information on this process. Another typical application of sound power levels is to compare similar fans. Generally, differences of 6 dB in the 63 Hz band and 3 dB in all other bands are considered insignificant.

System designers use many methods to predict acoustic acceptability of an occupied space.

The A-weighted sound pressure level provides a single number that corresponds well to the human judgement of relative loudness. OSHA bases their requirements regarding exposure to noise on A-weighted sound pressure levels. The disadvantage of this method is that A-weighted sound pressure levels do not provide information as to the quality of the sound. Noise Criteria (NC) curves are also widely used. To determine the NC level, the sound power spectrum is compared to defined limits. Other methods include RC curves, Sones, SIL and Noise Rating Curves.

Each method relies on sound pressure level information because the human ear "hears" sound pressure fluctuations, not sound power (watts). Sound pressure is a function of the attenuation of the space and the distance from the source. Consider a 100 watt light bulb. It provides adequate light for a closet, but not for a classroom, and in a stadium it would be imperceptible. While the light source was the same power (100 watts), the brightness level changed dramatically. Similarly, the same sound power level (acoustical energy) produces greatly different sound pressure levels (noise).

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- Tube axial fans
- Vane axial fans
- Bifurcator fans
- Lab exhaust

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