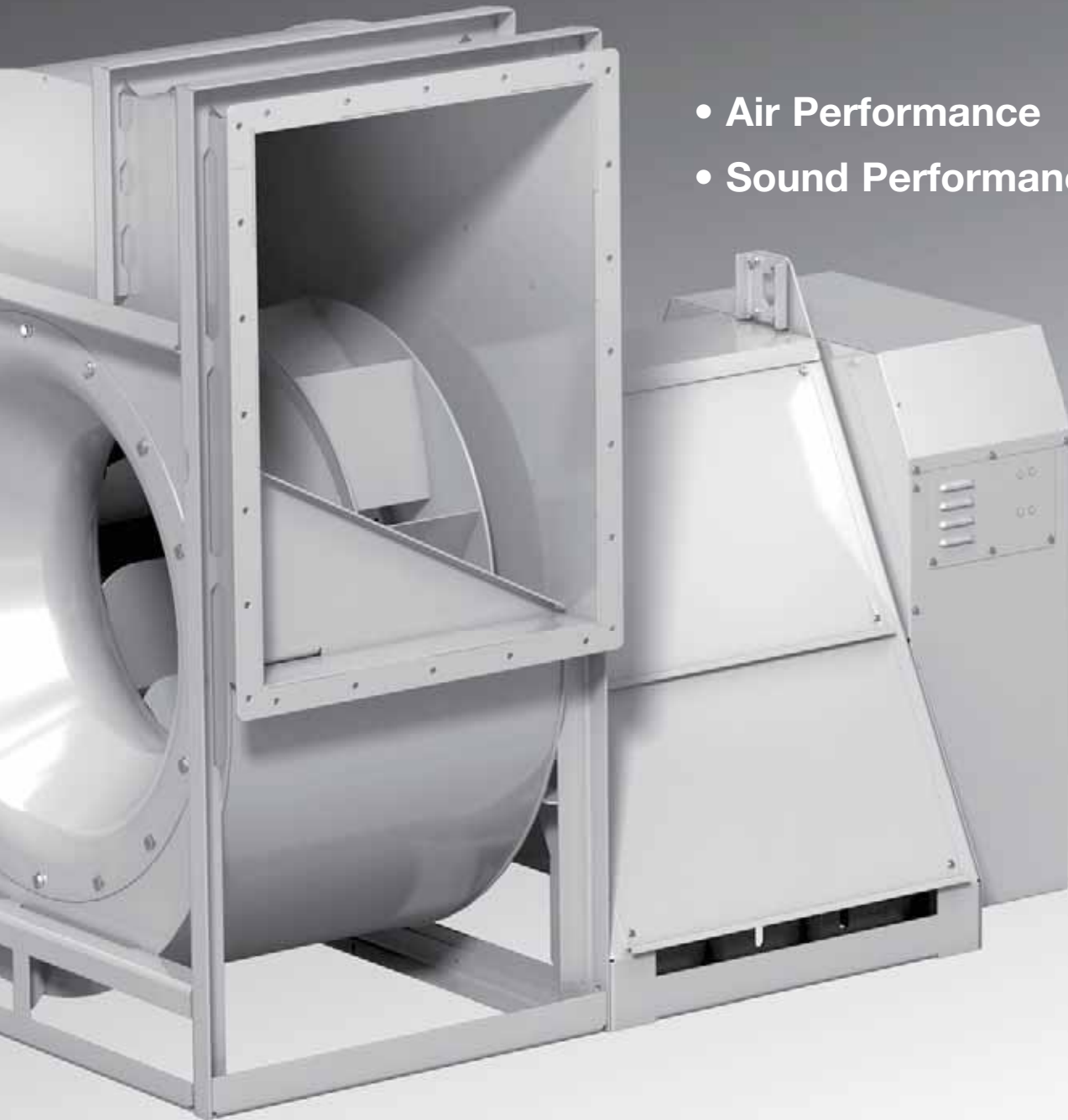


CSW

Single-Width Centrifugal Fan

Performance Supplement

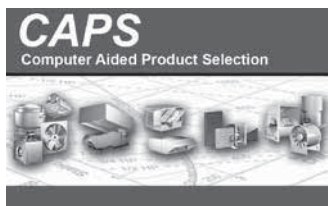


- Air Performance
- Sound Performance

Table of Contents

Air and Sound Performance Data

Tabulated Air Performance	3-37
Fan Curves and Sound Power Ratings	3-38
CSW-BI.....	3-20
CSW-AF.....	21-38



Computer Aided Product Selection Program – CAPS

All Greenheck products are supported by the industry's best product literature, electronic media, and Computer

Aided Product Selection program, CAPS. Online, you can also find electronic copies of our product literature as well as storage, installation and maintenance information in our Installation and Operation Manuals.

And, of course, you can always count on the personal service and expertise of our national and international representative organization. To locate your nearest Greenheck representative call 715-359-6171 or visit our Web site at www.greenheck.com

To-Scale Drawings and Fan Specifications

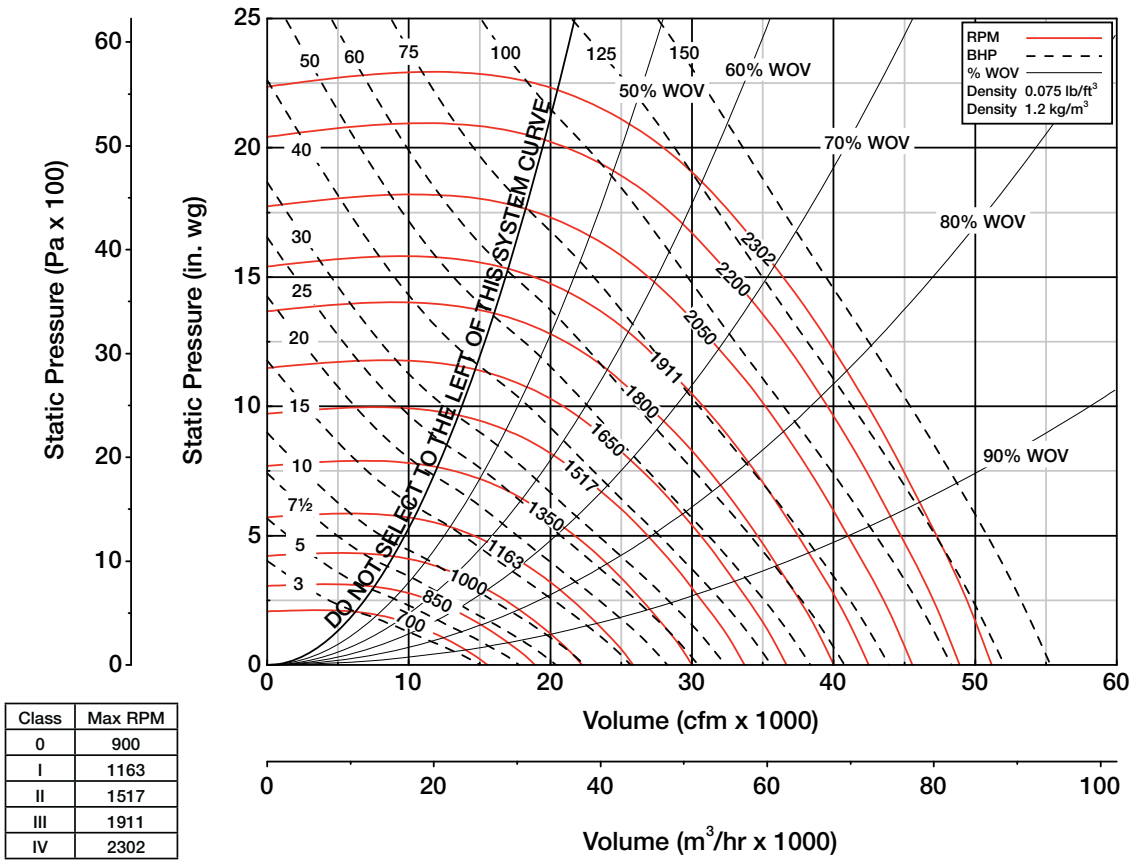
To-scale CAD drawings along with detailed centrifugal specifications can be found online at greenheck.com or within our Computer Aided Product Selection program (CAPS).

Certifications



Greenheck Fan Corporation certifies that the CSW Single-Width Centrifugal Fans shown herein are licensed to bear the AMCA Seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 211 and Publication 311 and comply with the requirements of the AMCA Certified Ratings Program.

CSW-33-BI



$$\% \text{ WOV} = (\text{CFM} \times 100) / (\text{RPM} \times 22.2)$$

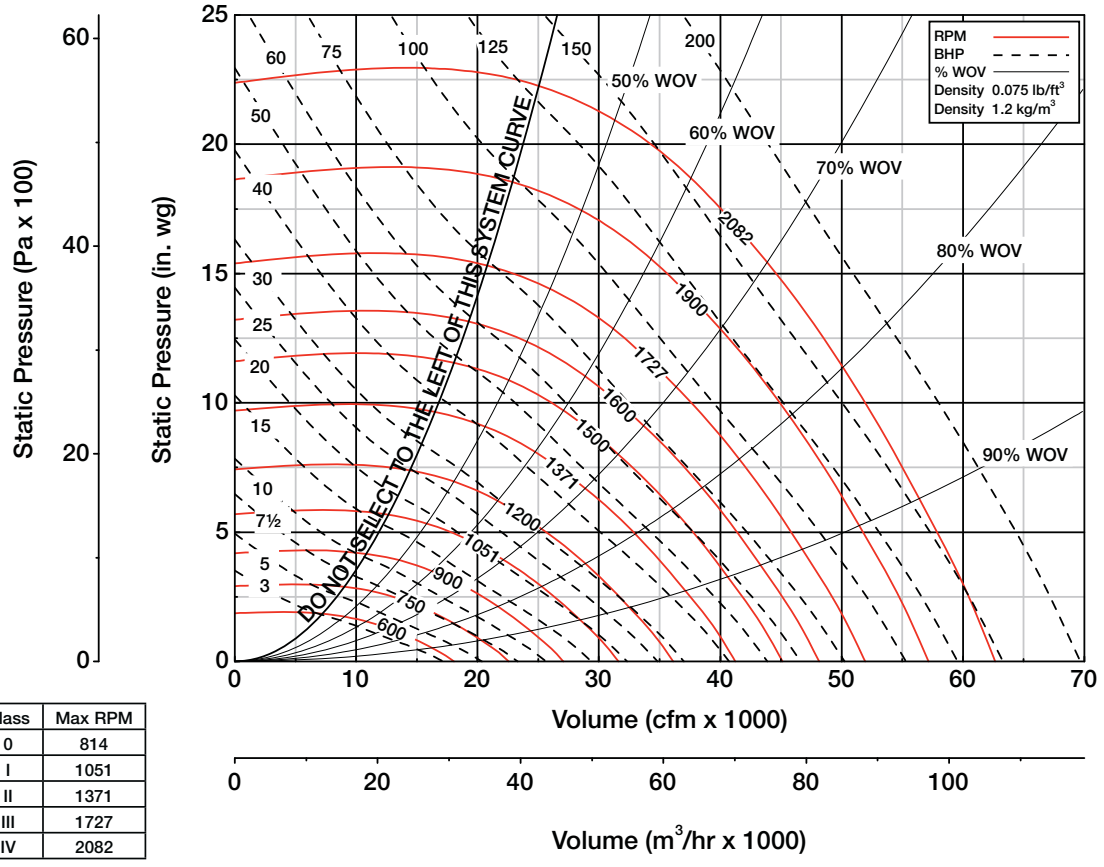
Sound Power [dB Ref 10⁻¹² watts]

		Inlet Sound Power, L_{wi}									
RPM	%WOV	1	2	3	4	5	6	7	8	L_{wA}	
350	100	85	78	73	65	60	52	45	39	69	
	80	78	70	65	58	53	46	39	34	62	
	60	76	66	61	56	52	44	38	32	59	
	50	74	65	61	57	54	46	40	34	60	
	40	74	64	60	57	54	46	40	33	59	
700	100	92	92	88	83	80	74	65	60	86	
	80	89	90	85	80	76	70	64	58	83	
	60	89	90	83	79	75	70	66	62	82	
	50	88	87	82	78	75	71	67	63	81	
	40	89	86	81	78	75	71	68	64	81	
1000	100	95	98	99	92	89	86	78	71	95	
	80	92	95	96	88	84	81	75	70	92	
	60	91	92	93	86	82	80	76	73	89	
	50	91	91	91	84	82	79	77	74	88	
	40	91	93	93	85	82	80	77	74	89	
1400	100	100	103	106	100	98	98	92	82	104	
	80	96	99	103	95	93	91	86	79	99	
	60	95	95	99	92	90	89	86	83	96	
	50	96	96	99	90	89	88	87	84	96	
	40	100	100	101	92	90	89	87	85	97	
1911	100	110	107	115	108	104	106	103	93	112	
	80	107	102	112	104	100	99	96	89	108	
	60	107	98	108	99	97	96	94	91	104	
	50	108	100	109	98	96	95	95	92	104	
	40	110	105	110	100	97	96	95	93	106	
2302	100	114	113	117	115	109	110	108	100	117	
	80	110	109	114	111	105	103	101	95	112	
	60	110	106	110	107	102	101	99	96	109	
	50	111	107	111	106	101	100	99	97	109	
	40	113	111	113	108	102	100	100	98	110	

		Outlet Sound Power, L_{wo}									
RPM	%WOV	1	2	3	4	5	6	7	8	L_{woA}	
350	100	87	79	73	69	64	55	48	41	71	
	80	86	78	70	64	60	51	44	38	68	
	60	85	74	67	61	58	50	46	40	66	
	50	83	73	65	61	58	50	46	41	65	
	40	82	73	65	61	58	50	47	41	65	
700	100	98	95	88	85	84	77	69	62	88	
	80	97	92	84	81	79	72	66	60	84	
	60	94	90	82	78	75	69	65	63	81	
	50	93	89	80	77	74	69	67	67	81	
	40	93	89	80	77	74	69	68	67	80	
1000	100	104	101	99	94	93	90	82	73	98	
	80	101	100	98	92	89	84	78	72	95	
	60	99	98	96	89	85	80	76	73	92	
	50	98	98	95	87	83	79	76	74	91	
	40	98	97	94	86	83	79	77	75	90	
1400	100	110	109	109	103	102	101	95	86	108	
	80	106	106	105	100	99	96	91	83	104	
	60	104	104	103	98	95	91	87	83	101	
	50	104	102	101	96	93	90	87	84	99	
	40	104	102	100	95	92	89	87	84	98	
1911	100	118	115	117	110	109	109	106	97	116	
	80	113	112	114	107	106	104	101	93	112	
	60	111	109	111	105	104	100	96	92	109	
	50	112	109	109	103	102	98	95	92	107	
	40	112	109	109	102	101	97	95	92	106	
2302	100	121	120	121	117	113	113	111	104	120	
	80	116	116	117	114	111	109	106	99	117	
	60	114	114	115	111	108	105	101	97	114	
	50	115	114	113	110	106	103	100	97	112	
	40	115	114	113	109	105	102	99	97	111	

The sound power level ratings shown are in decibels, referred to 10⁻¹² watts calculated per AMCA Standard 301. The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. Values shown are for inlet L_{wi} , and outlet L_{wo} , L_{woA} sound power levels for installation type B: free inlet, ducted outlet. Outlet ratings include the effects of duct end correction. The AMCA Certified Ratings Seal for Sound applies to inlet L_{wiA} and outlet L_{woA} ratings only.

CSW-36-BI



Class	Max RPM
0	814
I	1051
II	1371
III	1727
IV	2082

$$\% \text{ WOV} = (\text{CFM} \times 100) / (\text{RPM} \times 30.1)$$

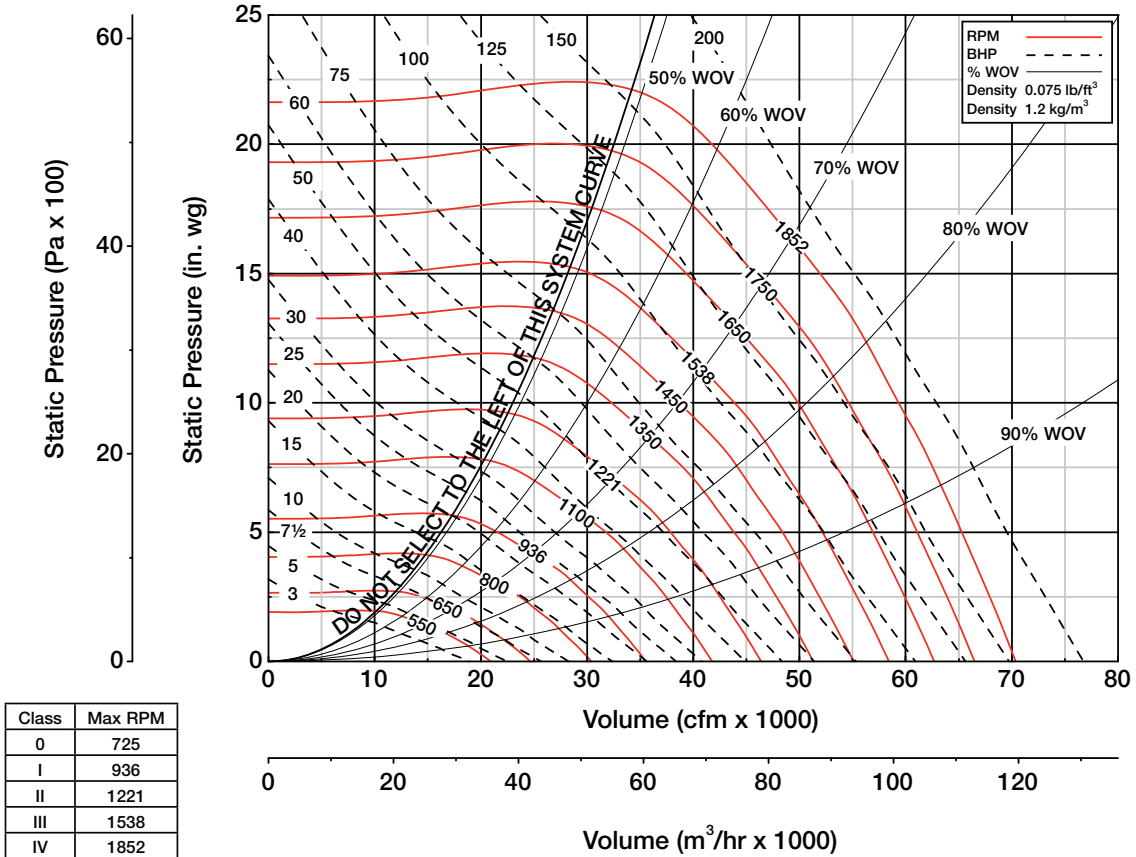
Sound Power [dB Ref 10⁻¹² watts]

		Inlet Sound Power, L_{wi}									
RPM	%WOV	1	2	3	4	5	6	7	8	L_{wiA}	
300	100	80	73	68	62	57	49	41	36	65	
	80	79	72	65	58	55	46	39	35	63	
	60	79	71	64	58	57	46	39	34	63	
	50	79	70	65	59	58	48	41	36	63	
	40	78	70	65	60	59	49	42	37	64	
600	100	99	93	85	78	79	73	64	59	84	
	80	96	90	81	74	74	68	62	58	80	
	60	93	87	78	72	74	68	65	61	79	
	50	90	85	76	72	73	68	65	61	78	
	40	95	87	79	73	74	69	66	62	79	
800	100	95	100	92	86	86	83	73	68	91	
	80	91	101	88	82	80	77	70	66	88	
	60	89	95	84	79	79	76	73	69	85	
	50	89	95	83	78	78	75	73	69	84	
	40	98	93	86	80	79	76	74	72	86	
1200	100	102	108	104	97	95	94	87	81	102	
	80	97	106	100	93	91	88	83	78	98	
	60	95	103	97	89	88	86	83	81	95	
	50	97	103	97	88	87	85	84	81	95	
	40	106	107	101	92	89	86	85	82	97	
1727	100	109	115	119	108	103	102	99	92	113	
	80	103	111	117	104	99	98	94	88	110	
	60	101	108	113	101	96	95	93	90	107	
	50	103	109	114	100	95	94	92	91	107	
	40	112	116	117	104	98	95	93	91	110	
2082	100	112	118	122	116	109	107	104	98	118	
	80	107	114	119	112	105	102	99	94	114	
	60	104	111	116	108	101	99	97	95	111	
	50	106	113	117	108	101	98	97	95	111	
	40	115	120	121	112	103	100	98	96	115	

		Outlet Sound Power, L_{wo}									
RPM	%WOV	1	2	3	4	5	6	7	8	L_{woA}	
300	100	84	80	71	67	62	54	47	43	70	
	80	81	79	70	64	61	52	46	42	68	
	60	79	78	69	64	61	52	46	43	68	
	50	79	78	69	64	61	52	46	43	68	
	40	79	78	69	64	61	52	47	44	68	
600	100	100	95	87	83	81	76	68	65	87	
	80	96	91	83	79	76	71	64	60	83	
	60	95	89	80	76	74	69	64	61	80	
	50	95	90	80	76	74	69	65	64	80	
	40	94	89	79	75	73	68	64	64	80	
800	100	104	106	94	91	88	86	78	74	95	
	80	98	102	89	87	83	80	73	69	91	
	60	96	101	87	84	80	77	72	69	89	
	50	96	99	86	83	79	76	72	70	87	
	40	97	97	86	83	78	75	72	70	86	
1200	100	111	112	107	102	99	97	92	85	106	
	80	108	109	103	98	94	91	86	80	101	
	60	102	107	101	95	91	88	84	80	99	
	50	103	106	100	94	90	87	84	80	98	
	40	104	105	99	93	89	85	83	80	97	
1727	100	117	120	121	112	108	106	103	97	116	
	80	114	116	118	108	104	101	97	91	113	
	60	109	112	117	105	101	97	94	90	110	
	50	110	113	115	104	100	96	93	90	109	
	40	111	113	114	103	99	95	92	90	108	
2082	100	120	123	125	119	113	110	108	102	121	
	80	117	120	122	115	109	106	102	97	117	
	60	112	115	120	112	106	102	99	95	115	
	50	113	116	119	111	105	101	98	95	114	
	40	114	116	118	111	104	100	97	95	113	

The sound power level ratings shown are in decibels, referred to 10⁻¹² watts calculated per AMCA Standard 301. The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. Values shown are for inlet L_{wi} , L_{wiA} , and outlet L_{wo} , L_{woA} sound power levels for installation type B: free inlet, ducted outlet. Outlet ratings include the effects of duct end correction. The AMCA Certified Ratings Seal for Sound applies to inlet L_{wiA} and outlet L_{woA} ratings only.

CSW-40-BI



$$\% \text{ WOV} = (\text{CFM} \times 100) / (\text{RPM} \times 38.0)$$

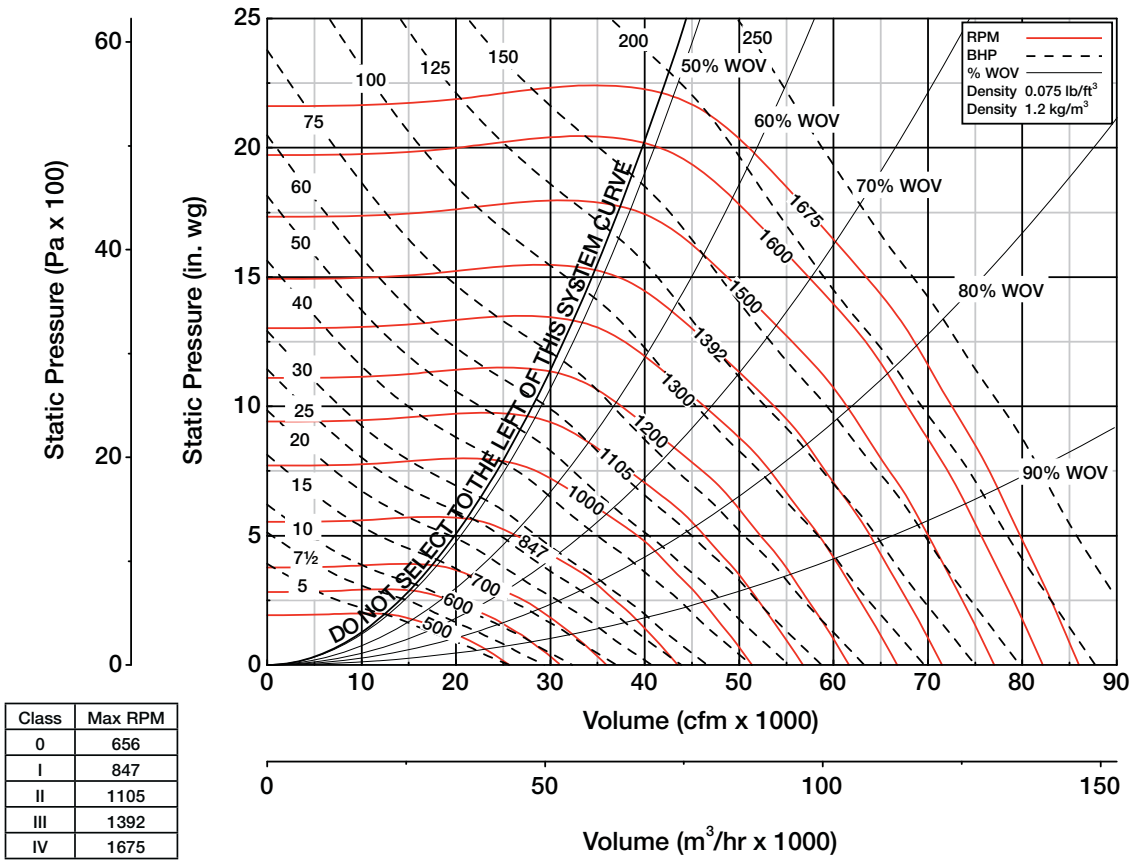
Sound Power [dB Ref 10⁻¹² watts]

		Inlet Sound Power, L _{wi}									
RPM	%WOV	1	2	3	4	5	6	7	8	L _{wiA}	
300	100	84	77	71	65	60	52	44	39	68	
	80	83	75	68	61	58	49	42	38	66	
	60	83	74	67	61	60	49	42	37	66	
	50	82	73	68	62	61	51	44	39	66	
	40	82	74	68	63	62	52	45	40	67	
600	100	102	96	88	81	82	76	67	62	87	
	80	99	93	84	77	77	71	65	60	83	
	60	97	90	81	75	77	71	68	64	82	
	50	94	88	79	75	76	71	68	64	81	
	40	98	91	82	76	77	72	69	65	82	
800	100	98	104	95	89	89	86	76	71	94	
	80	94	104	91	85	83	80	73	69	91	
	60	92	99	87	82	82	79	75	72	88	
	50	92	98	86	81	81	78	76	72	88	
	40	101	97	90	83	82	79	77	75	89	
1100	100	104	110	104	97	96	95	88	81	102	
	80	99	108	99	93	92	89	83	79	98	
	60	97	105	96	90	89	87	84	81	96	
	50	99	105	96	89	88	86	85	82	95	
	40	108	108	100	92	89	87	85	83	98	
1538	100	110	116	118	108	104	102	98	92	113	
	80	105	112	115	103	100	98	93	88	109	
	60	102	109	112	100	96	95	93	90	106	
	50	104	111	112	100	95	94	93	91	106	
	40	113	117	115	103	98	95	93	91	109	
1852	100	113	119	121	115	109	107	103	97	117	
	80	108	115	119	111	105	102	98	94	114	
	60	106	112	115	107	101	99	97	95	111	
	50	108	114	116	107	101	99	97	95	111	
	40	117	121	120	111	103	100	98	96	114	

		Outlet Sound Power, L _{wo}									
RPM	%WOV	1	2	3	4	5	6	7	8	L _{woA}	
300	100	87	83	74	70	65	57	50	46	73	
	80	84	82	73	67	64	55	48	45	71	
	60	82	81	72	67	64	55	49	46	71	
	50	82	81	72	67	64	55	49	46	71	
	40	82	81	72	67	64	55	50	47	71	
600	100	103	98	90	86	84	79	71	67	90	
	80	99	94	86	82	79	74	67	63	86	
	60	98	92	83	79	77	72	67	64	83	
	50	98	92	83	79	77	72	68	67	83	
	40	97	92	82	78	76	71	67	67	83	
800	100	107	109	97	94	91	89	81	77	98	
	80	101	105	92	90	86	83	76	72	94	
	60	99	104	90	87	83	80	75	72	92	
	50	99	102	89	86	82	79	75	73	90	
	40	100	100	89	86	81	78	75	73	89	
1100	100	112	114	106	103	99	98	93	85	106	
	80	109	110	102	99	95	92	86	81	102	
	60	104	109	100	96	92	89	85	81	99	
	50	105	108	99	95	90	87	85	81	98	
	40	106	107	98	94	89	86	84	81	97	
1538	100	118	120	120	112	108	106	102	96	116	
	80	115	117	117	108	104	101	96	91	112	
	60	110	114	115	105	101	97	94	90	110	
	50	111	114	114	104	100	96	93	90	109	
	40	112	114	113	103	99	95	92	90	108	
1852	100	121	124	124	118	113	111	107	102	121	
	80	118	121	121	114	109	106	102	96	117	
	60	113	117	119	112	106	102	99	95	114	
	50	114	117	118	111	105	101	98	95	113	
	40	115	117	117	110	104	100	97	95	112	

The sound power level ratings shown are in decibels, referred to 10⁻¹² watts calculated per AMCA Standard 301. The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. Values shown are for inlet L_{wi}, L_{wiA}, and outlet L_{wo}, L_{woA} sound power levels for installation type B: free inlet, ducted outlet. Outlet ratings include the effects of duct end correction. The AMCA Certified Ratings Seal for Sound applies to inlet L_{wiA} and outlet L_{woA} ratings only.

CSW-44-BI



$$\% \text{ WOV} = (\text{CFM} \times 100) / (\text{RPM} \times 51.4)$$

Sound Power [dB Ref 10⁻¹² watts]

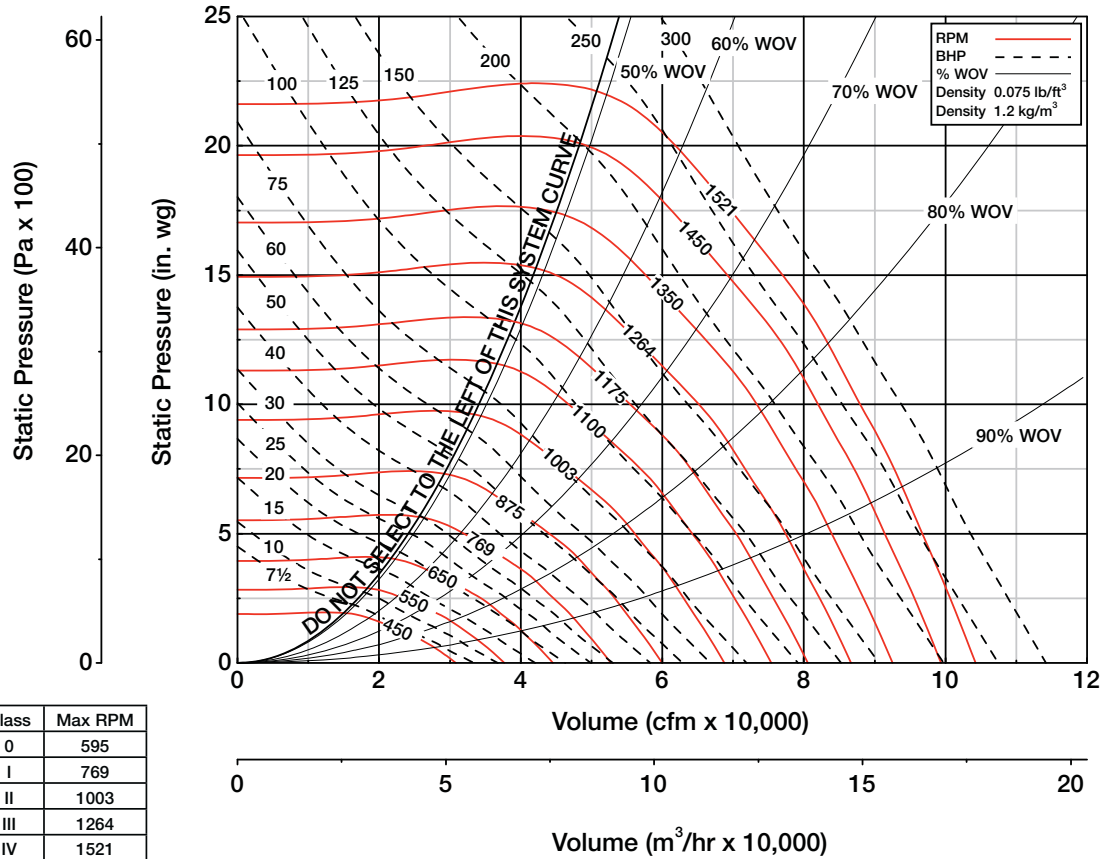
		Inlet Sound Power, L _{wi}									
RPM	%WOV	1	2	3	4	5	6	7	8	L _{wiA}	
250	100	82	73	68	63	58	49	42	37	66	
	80	81	72	66	59	56	46	39	36	63	
	60	81	71	65	59	57	46	40	35	63	
	50	81	70	66	61	59	47	42	37	64	
	40	81	70	66	61	59	48	43	38	64	
500	100	103	93	85	80	79	73	65	60	85	
	80	100	89	81	76	75	69	63	58	81	
	60	97	86	78	74	75	69	66	62	80	
	50	94	84	77	74	74	69	67	62	79	
	40	99	87	80	75	75	70	67	63	81	
700	100	100	102	94	90	88	84	75	70	94	
	80	96	102	90	85	83	79	72	68	90	
	60	94	97	86	82	81	78	75	71	87	
	50	94	96	85	81	81	77	75	72	87	
	40	101	95	88	83	81	78	77	75	88	
1000	100	106	111	104	98	96	95	88	82	103	
	80	101	109	99	94	92	89	83	79	99	
	60	99	106	96	90	90	87	85	82	96	
	50	101	107	96	89	89	87	85	83	96	
	40	109	109	100	92	90	88	86	83	99	
1392	100	112	117	117	108	104	103	98	92	112	
	80	107	114	114	103	100	98	93	88	109	
	60	104	111	110	100	97	96	93	90	106	
	50	106	112	111	99	96	95	93	91	106	
	40	115	117	114	103	98	96	94	92	109	
1675	100	115	121	120	114	109	107	104	97	117	
	80	110	117	117	110	105	103	99	94	113	
	60	107	114	114	107	102	100	98	95	110	
	50	110	116	114	106	101	99	98	96	110	
	40	118	121	117	110	103	101	99	96	113	

		Outlet Sound Power, L _{wo}									
RPM	%WOV	1	2	3	4	5	6	7	8	L _{woA}	
250	100	86	80	71	68	62	54	48	44	71	
	80	84	79	70	65	61	52	46	44	69	
	60	81	79	69	65	62	52	47	44	68	
	50	82	79	69	65	62	52	47	44	68	
	40	81	78	69	65	62	52	48	45	68	
500	100	103	94	88	85	82	76	69	66	88	
	80	99	91	84	81	77	71	65	61	83	
	60	97	89	81	78	75	70	65	63	81	
	50	98	89	81	77	75	70	66	66	81	
	40	97	88	80	77	74	69	66	66	81	
700	100	108	106	97	94	91	88	81	76	97	
	80	102	103	92	89	86	82	75	71	93	
	60	100	101	90	86	82	79	75	72	90	
	50	100	99	89	85	81	78	75	73	89	
	40	100	98	88	85	81	77	74	73	88	
1000	100	113	115	107	103	100	98	92	85	107	
	80	110	112	102	99	96	92	87	81	102	
	60	105	110	100	96	92	89	85	81	100	
	50	106	109	99	95	91	88	85	82	99	
	40	107	108	98	94	90	87	85	82	98	
1392	100	119	121	119	112	109	107	102	96	116	
	80	116	118	115	108	104	101	96	91	112	
	60	111	115	114	105	101	98	94	90	109	
	50	112	115	113	104	100	96	94	90	108	
	40	113	115	112	103	99	95	93	90	107	
1675	100	123	125	123	118	114	111	108	102	121	
	80	119	122	119	114	109	106	102	96	116	
	60	114	118	117	111	106	103	99	95	114	
	50	115	118	116	111	105	101	98	95	113	
	40	116	118	115	110	104	100	98	95	112	

The sound power level ratings shown are in decibels, referred to 10⁻¹² watts calculated per AMCA Standard 301. The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. Values shown are for inlet L_{wi}, L_{wiA}, and outlet L_{wo}, L_{woA} sound power levels for installation type B: free inlet, ducted outlet. Outlet ratings include the effects of duct end correction. The AMCA Certified Ratings Seal for Sound applies to inlet L_{wiA} and outlet L_{woA} ratings only.



CSW-49-BI



Class	Max RPM
0	595
I	769
II	1003
III	1264
IV	1521

$$\% \text{WOV} = (\text{CFM} \times 100) / (\text{RPM} \times 68.6)$$

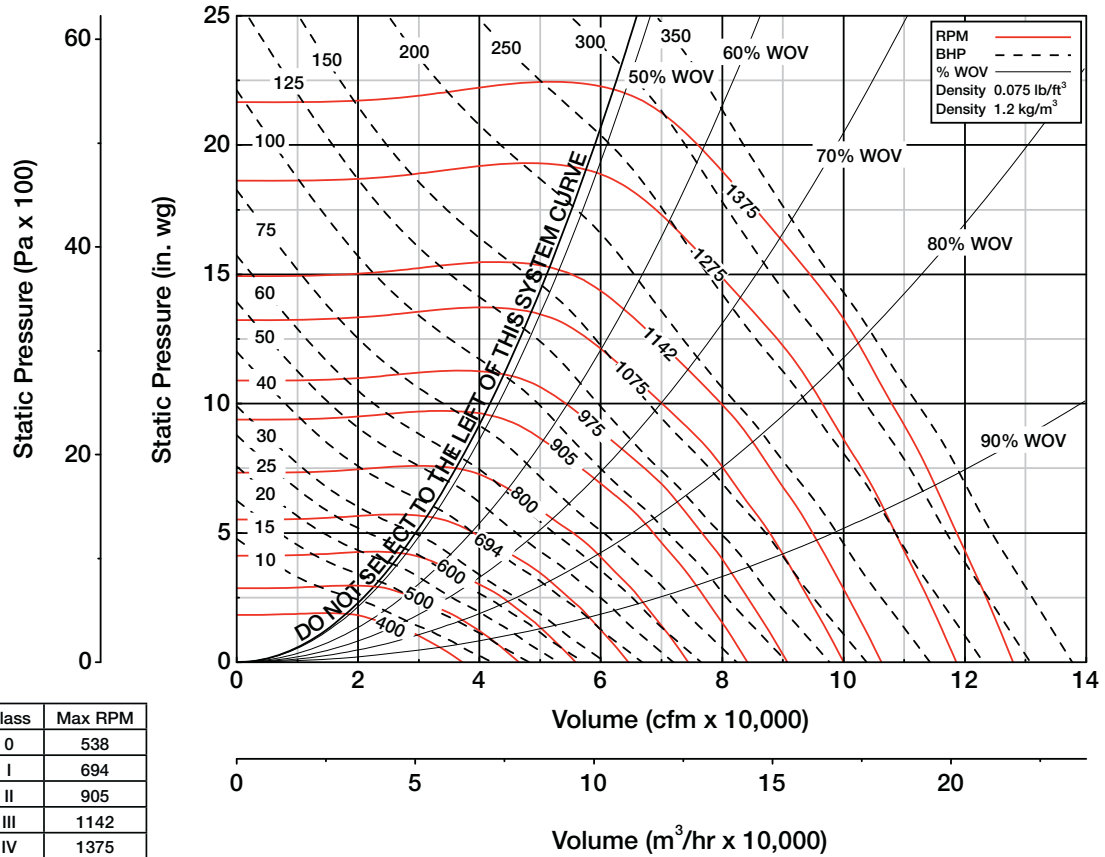
Sound Power [dB Ref 10⁻¹² watts]

		Inlet Sound Power, L_{wi}									
RPM	%WOV	1	2	3	4	5	6	7	8	L_{wA}	
250	100	86	76	71	66	61	52	45	40	69	
	80	85	75	69	62	59	49	42	39	66	
	60	85	74	68	62	60	49	43	38	66	
	50	84	73	69	63	62	50	45	40	67	
500	100	84	73	69	64	62	51	46	41	67	
	80	106	96	88	83	82	75	68	63	88	
	60	103	92	84	79	78	72	66	61	84	
	50	101	89	81	77	78	72	69	65	83	
700	100	98	87	80	77	77	72	69	65	82	
	80	102	90	83	78	78	73	70	66	84	
	60	103	105	97	92	91	87	78	73	97	
	50	100	105	93	88	86	82	75	71	93	
900	100	97	100	89	85	84	81	78	74	90	
	80	101	107	96	91	90	88	85	82	97	
	60	102	108	95	90	89	87	85	83	97	
	50	104	98	91	86	84	81	80	78	91	
1264	100	108	113	103	98	97	94	87	81	103	
	80	104	111	99	94	93	89	83	79	100	
	60	101	107	96	91	90	88	85	82	97	
	50	102	108	95	90	89	87	85	83	97	
1521	100	110	111	99	93	90	88	86	83	99	
	80	114	119	116	108	105	104	98	92	112	
	60	109	116	112	103	101	99	93	89	108	
	50	106	113	109	100	98	96	94	91	106	

		Outlet Sound Power, L_{wo}									
RPM	%WOV	1	2	3	4	5	6	7	8	L_{woA}	
250	100	89	83	74	71	65	57	51	47	73	
	80	86	82	73	68	64	55	49	47	72	
	60	84	82	72	68	65	55	50	47	71	
	50	85	82	72	68	65	55	50	47	71	
500	40	84	81	72	68	65	55	51	48	71	
	100	106	97	91	88	85	79	72	69	91	
	80	101	94	87	84	80	74	68	64	86	
	60	100	92	84	81	78	73	68	66	84	
700	50	101	92	84	80	78	73	69	68	84	
	40	100	91	83	80	77	72	69	69	83	
	100	110	109	99	97	94	91	84	79	100	
	80	105	105	95	92	89	85	78	74	96	
900	60	103	104	93	89	85	82	78	75	93	
	50	103	102	92	88	84	81	78	75	92	
	40	103	101	91	88	84	80	77	76	91	
	100	114	116	107	104	100	98	92	85	107	
1264	80	111	113	103	99	96	92	86	81	103	
	60	107	111	100	96	92	89	85	81	100	
	50	107	110	99	95	91	88	85	82	99	
	40	108	109	98	94	90	87	85	82	98	
1521	100	121	122	118	113	109	107	103	96	116	
	80	118	119	114	108	105	102	96	91	112	
	60	112	117	112	105	101	98	94	91	109	
	50	113	116	111	104	100	97	94	91	108	

The sound power level ratings shown are in decibels, referred to 10⁻¹² watts calculated per AMCA Standard 301. The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. Values shown are for inlet L_{wi} , L_{wiA} , and outlet L_{wo} , L_{woA} sound power levels for installation type B: free inlet, ducted outlet. Outlet ratings include the effects of duct end correction. The AMCA Certified Ratings Seal for Sound applies to inlet L_{wiA} and outlet L_{woA} ratings only.

CSW-54-BI



Class	Max RPM
0	538
I	694
II	905
III	1142
IV	1375

$$\% \text{WOV} = (\text{CFM} \times 100) / (\text{RPM} \times 93.0)$$

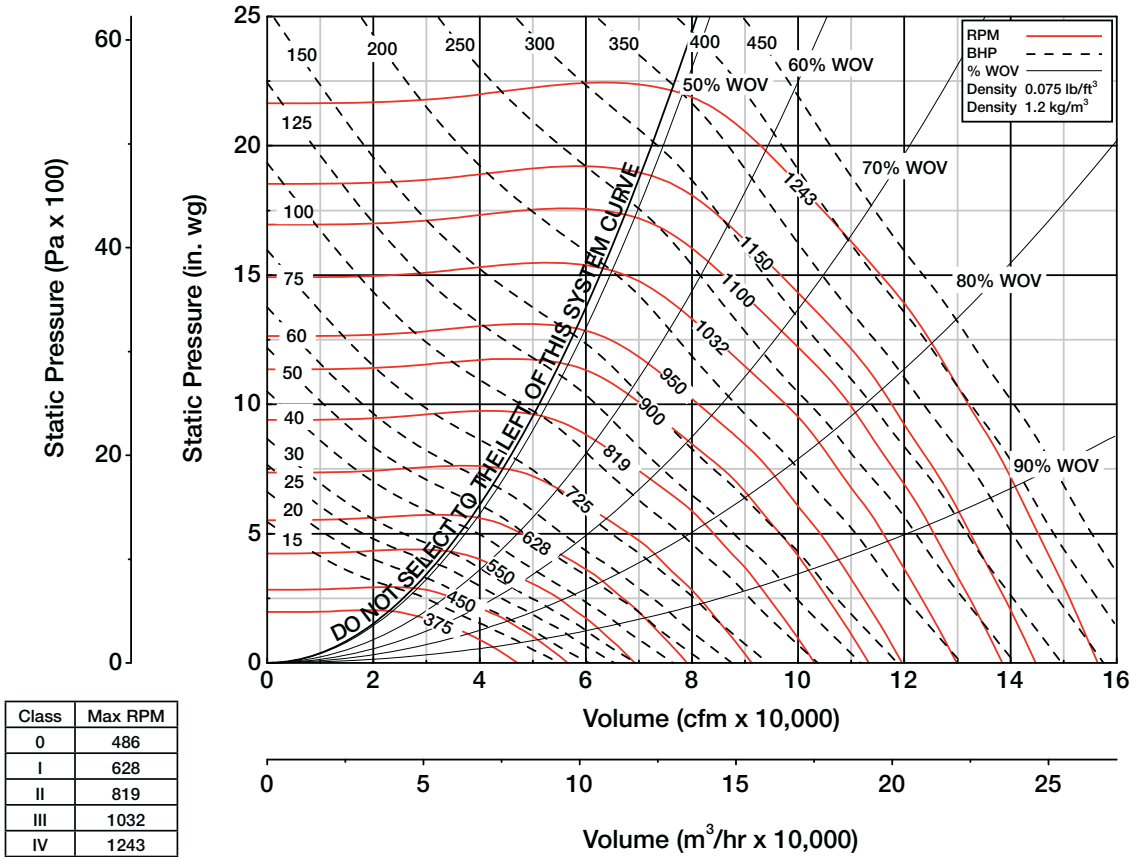
Sound Power [dB Ref 10⁻¹² watts]

		Inlet Sound Power, L_{wi}									
RPM	%WOV	1	2	3	4	5	6	7	8	L_{wA}	
200	100	81	73	68	62	56	48	41	36	65	
	80	79	71	65	59	54	45	39	36	62	
	60	79	70	64	60	55	45	40	34	62	
	50	79	70	65	62	56	47	41	37	63	
	40	78	70	65	62	57	48	42	38	64	
400	100	104	92	84	81	78	71	64	60	85	
	80	101	88	80	77	74	68	63	58	81	
	60	99	85	78	76	74	70	66	62	80	
	50	96	83	77	76	74	70	66	62	79	
	40	100	86	79	77	74	70	67	63	81	
600	100	104	103	95	92	91	84	77	72	95	
	80	102	101	91	87	85	80	74	70	91	
	60	99	97	88	85	83	80	77	73	89	
	50	99	96	87	84	82	80	77	74	88	
	40	103	97	90	86	83	81	79	77	90	
800	100	109	113	103	99	97	94	87	81	103	
	80	106	111	99	95	93	89	83	79	100	
	60	103	107	95	91	90	88	85	82	97	
	50	104	108	95	90	89	88	86	83	97	
	40	110	111	98	93	90	88	86	83	99	
1140	100	116	120	114	107	106	105	98	92	112	
	80	111	118	110	103	102	99	93	89	109	
	60	108	115	107	100	99	97	94	91	106	
	50	110	115	107	99	98	96	95	92	106	
	40	119	119	111	102	99	97	95	93	108	
1375	100	119	124	122	113	110	109	104	97	118	
	80	114	121	119	109	106	104	99	94	114	
	60	111	118	116	106	103	101	99	96	111	
	50	114	119	116	105	102	101	99	97	111	
	40	122	123	120	109	104	102	100	97	115	

		Outlet Sound Power, L_{wo}									
RPM	%WOV	1	2	3	4	5	6	7	8	L_{woA}	
200	100	85	79	72	68	61	53	48	44	70	
	80	84	77	70	65	59	51	47	44	68	
	60	82	77	69	66	60	51	47	44	68	
	50	82	77	69	65	60	52	48	45	68	
	40	82	76	69	66	60	52	48	45	68	
400	100	104	93	88	85	81	75	69	66	87	
	80	100	90	84	81	76	70	65	61	83	
	60	98	87	81	78	74	69	66	63	81	
	50	99	87	81	78	74	70	67	66	81	
	40	98	87	80	77	73	69	67	67	80	
600	100	111	106	99	96	93	89	82	78	99	
	80	106	102	94	91	88	83	77	73	94	
	60	104	101	92	88	84	81	77	74	92	
	50	103	99	91	87	83	80	77	75	91	
	40	103	98	90	87	83	79	77	75	90	
800	100	115	116	107	103	101	98	91	84	107	
	80	112	113	103	99	96	92	86	80	103	
	60	108	111	100	96	92	89	85	81	100	
	50	108	110	99	95	91	88	85	82	99	
	40	108	109	98	94	90	87	85	82	98	
1140	100	122	123	117	113	109	108	103	95	116	
	80	119	120	113	109	105	102	96	91	112	
	60	113	119	110	106	102	99	95	91	109	
	50	114	117	109	105	100	97	95	91	108	
	40	116	116	109	104	99	96	94	91	107	
1375	100	125	127	125	118	114	112	108	101	122	
	80	122	124	121	114	110	107	102	96	117	
	60	117	121	119	111	107	103	100	96	115	
	50	118	121	118	110	105	102	99	96	114	
	40	119	120	117	109	105	101	99	96	113	

The sound power level ratings shown are in decibels, referred to 10⁻¹² watts calculated per AMCA Standard 301. The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. Values shown are for inlet L_{wi} , L_{wA} , and outlet L_{wo} , L_{woA} sound power levels for installation type B: free inlet, ducted outlet. Outlet ratings include the effects of duct end correction. The AMCA Certified Ratings Seal for Sound applies to inlet L_{wiA} and outlet L_{woA} ratings only.

CSW-60-BI



$$\% \text{WOV} = (\text{CFM} \times 100) / (\text{RPM} \times 126)$$

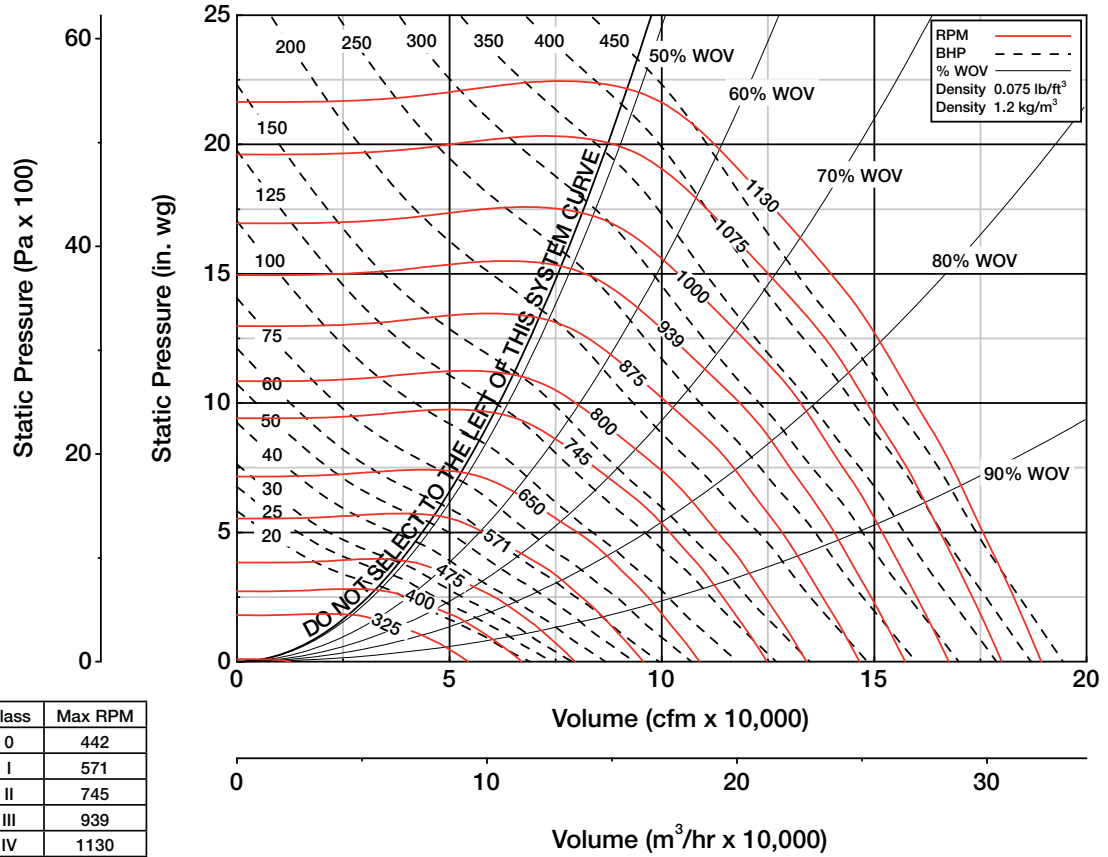
Sound Power [dB Ref 10⁻¹² watts]

		Inlet Sound Power, L_{wi}								
RPM	%WOV	1	2	3	4	5	6	7	8	L_{wA}
200	100	84	76	71	66	59	51	44	39	68
	80	83	74	68	63	57	48	42	39	65
	60	82	73	67	63	58	48	43	38	65
	50	82	73	68	65	59	50	45	40	66
400	100	108	95	87	84	82	74	67	63	88
	80	105	91	83	80	77	71	66	61	84
	60	102	88	81	79	77	73	69	65	83
	50	99	86	80	79	77	73	69	65	82
550	100	106	103	96	93	91	84	77	72	96
	80	105	101	92	88	86	80	75	71	92
	60	101	96	88	86	84	81	78	74	90
	50	100	96	87	85	83	81	78	74	89
750	100	112	113	104	100	99	95	88	82	104
	80	108	111	100	96	94	90	85	80	100
	60	105	108	96	93	91	89	86	83	98
	50	107	108	96	92	91	89	87	84	98
1032	100	117	122	114	108	106	105	98	92	113
	80	113	120	110	104	102	99	93	89	109
	60	110	116	106	100	99	97	95	92	106
	50	112	117	106	99	99	97	95	92	106
1243	100	121	125	122	114	111	109	104	97	118
	80	116	122	118	109	107	104	99	94	114
	60	113	119	115	106	104	102	99	97	111
	50	115	120	115	105	103	101	100	97	111
40	123	124	118	108	105	102	100	98	114	

		Outlet Sound Power, L_{wo}								
RPM	%WOV	1	2	3	4	5	6	7	8	L_{woA}
200	100	88	82	75	71	64	56	51	47	73
	80	87	80	73	68	62	54	50	47	71
	60	85	80	72	69	63	54	50	47	71
	50	85	80	72	68	63	55	51	48	71
400	100	107	96	91	88	84	78	72	69	91
	80	103	93	87	84	80	73	68	64	86
	60	101	90	84	81	77	72	69	66	84
	50	102	90	84	81	77	73	70	70	84
550	100	112	106	99	97	94	89	83	79	99
	80	108	102	95	92	89	83	78	73	95
	60	106	100	92	89	85	81	78	75	92
	50	105	99	91	88	84	81	78	76	91
750	100	117	117	108	105	102	99	92	85	108
	80	114	113	104	101	97	93	87	81	104
	60	110	111	101	97	94	90	86	83	101
	50	110	110	100	96	92	90	86	83	100
1032	100	123	125	117	113	110	108	103	95	117
	80	120	121	112	109	105	102	97	91	112
	60	115	120	110	106	102	99	95	91	110
	50	116	119	109	105	101	98	95	92	109
1243	100	126	128	124	118	115	113	108	101	122
	80	123	125	120	114	110	107	102	96	118
	60	118	123	118	111	107	104	100	96	115
	50	119	122	117	110	106	103	100	97	114
40	120	121	116	109	105	101	99	96	113	

The sound power level ratings shown are in decibels, referred to 10⁻¹² watts calculated per AMCA Standard 301. The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. Values shown are for inlet L_{wi} , and outlet L_{wo} , L_{woA} sound power levels for installation type B: free inlet, ducted outlet. Outlet ratings include the effects of duct end correction. The AMCA Certified Ratings Seal for Sound applies to inlet L_{wiA} and outlet L_{woA} ratings only.

CSW-66-BI



Class	Max RPM
0	442
I	571
II	745
III	939
IV	1130

$$\% \text{WOV} = (\text{CFM} \times 100) / (\text{RPM} \times 168)$$

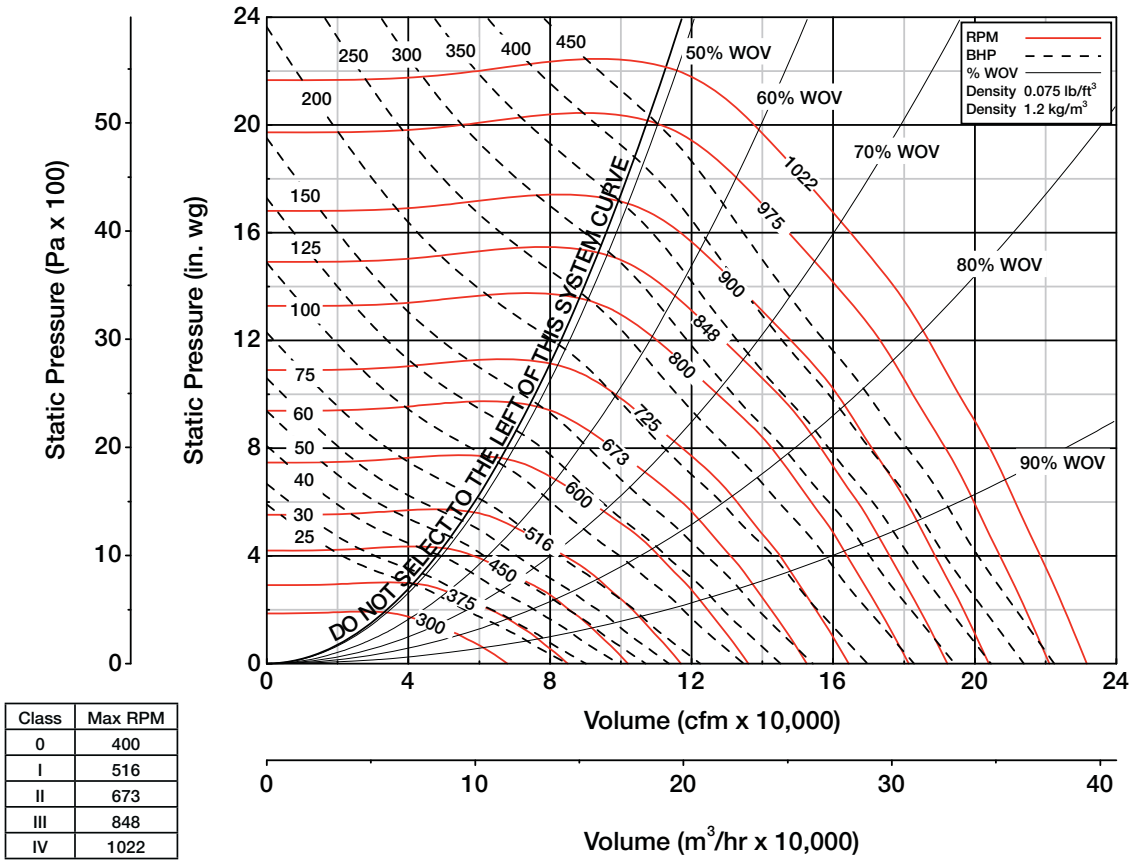
Sound Power [dB Ref 10⁻¹² watts]

		Inlet Sound Power, L_{wi}									
RPM	%WOV	1	2	3	4	5	6	7	8	L_{wiA}	
180	100	83	76	70	65	58	50	44	39	68	
	80	82	74	67	63	56	47	42	39	65	
	60	81	73	67	64	56	48	42	37	65	
	50	81	73	68	65	58	50	44	39	66	
	40	81	73	68	66	59	50	45	41	67	
350	100	104	93	86	85	80	72	66	62	87	
	80	101	90	82	80	76	70	65	60	83	
	60	98	86	80	80	76	72	68	64	82	
	50	95	84	79	79	75	72	69	64	81	
	40	99	87	81	80	76	73	69	65	83	
500	100	108	102	96	94	92	84	78	72	96	
	80	107	100	91	89	86	80	75	71	92	
	60	103	96	88	87	84	81	78	74	90	
	50	102	95	87	86	83	81	78	75	90	
	40	103	97	90	87	84	82	80	78	91	
700	100	114	114	105	101	100	95	89	83	105	
	80	111	111	100	97	95	90	86	81	101	
	60	107	107	97	94	93	90	87	85	99	
	50	109	108	96	93	92	90	88	85	99	
	40	113	111	100	95	93	91	89	86	101	
939	100	119	123	114	108	107	105	98	92	113	
	80	115	121	110	104	103	99	94	89	110	
	60	112	118	106	101	100	98	95	92	107	
	50	114	118	106	100	99	97	96	93	107	
	40	121	121	110	103	100	98	96	93	109	
1130	100	122	126	121	114	111	109	104	97	118	
	80	118	124	118	110	107	104	99	95	115	
	60	115	121	114	106	104	102	100	97	112	
	50	117	121	114	106	103	102	100	98	112	
	40	124	125	118	109	105	103	101	98	115	

		Outlet Sound Power, L_{wo}									
RPM	%WOV	1	2	3	4	5	6	7	8	L_{woA}	
180	100	88	81	75	70	63	56	51	47	72	
	80	87	80	73	69	61	54	50	47	71	
	60	85	79	72	69	62	54	51	48	70	
	50	85	79	72	69	62	55	51	48	70	
	40	85	78	72	69	62	55	51	48	70	
350	100	104	95	90	88	83	76	72	68	90	
	80	100	91	86	83	78	72	68	64	85	
	60	99	88	83	81	76	72	68	65	83	
	50	99	88	83	81	76	72	70	69	83	
	40	98	88	82	80	75	71	70	70	83	
500	100	113	105	100	97	95	88	83	79	100	
	80	109	101	96	92	89	83	78	73	95	
	60	108	99	93	89	86	81	78	75	92	
	50	106	98	92	88	85	81	78	76	91	
	40	106	97	92	87	84	81	78	76	91	
700	100	118	117	109	106	104	100	93	86	109	
	80	115	113	105	102	98	94	88	82	105	
	60	112	111	102	98	95	91	87	84	102	
	50	112	110	101	97	93	91	88	84	101	
	40	112	109	100	96	92	90	87	84	100	
939	100	124	126	117	114	111	108	102	95	117	
	80	121	123	113	110	106	102	97	91	113	
	60	117	121	110	106	102	99	95	92	110	
	50	117	120	109	105	101	98	95	92	109	
	40	118	119	109	104	100	97	95	92	108	
1130	100	127	130	124	119	115	113	108	101	122	
	80	124	126	120	114	111	107	102	96	118	
	60	120	124	118	111	107	104	100	97	115	
	50	120	123	117	110	106	103	100	97	114	
	40	121	123	116	109	105	102	100	97	113	

The sound power level ratings shown are in decibels, referred to 10⁻¹² watts calculated per AMCA Standard 301. The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. Values shown are for inlet L_{wi} , L_{wiA} , and outlet L_{wo} , L_{woA} sound power levels for installation type B: free inlet, ducted outlet. Outlet ratings include the effects of duct end correction. The AMCA Certified Ratings Seal for Sound applies to inlet L_{wiA} and outlet L_{woA} ratings only.

CSW-73-BI



Class	Max RPM
0	400
I	516
II	673
III	848
IV	1022

$$\% \text{ WOV} = (\text{CFM} \times 100) / (\text{RPM} \times 227)$$

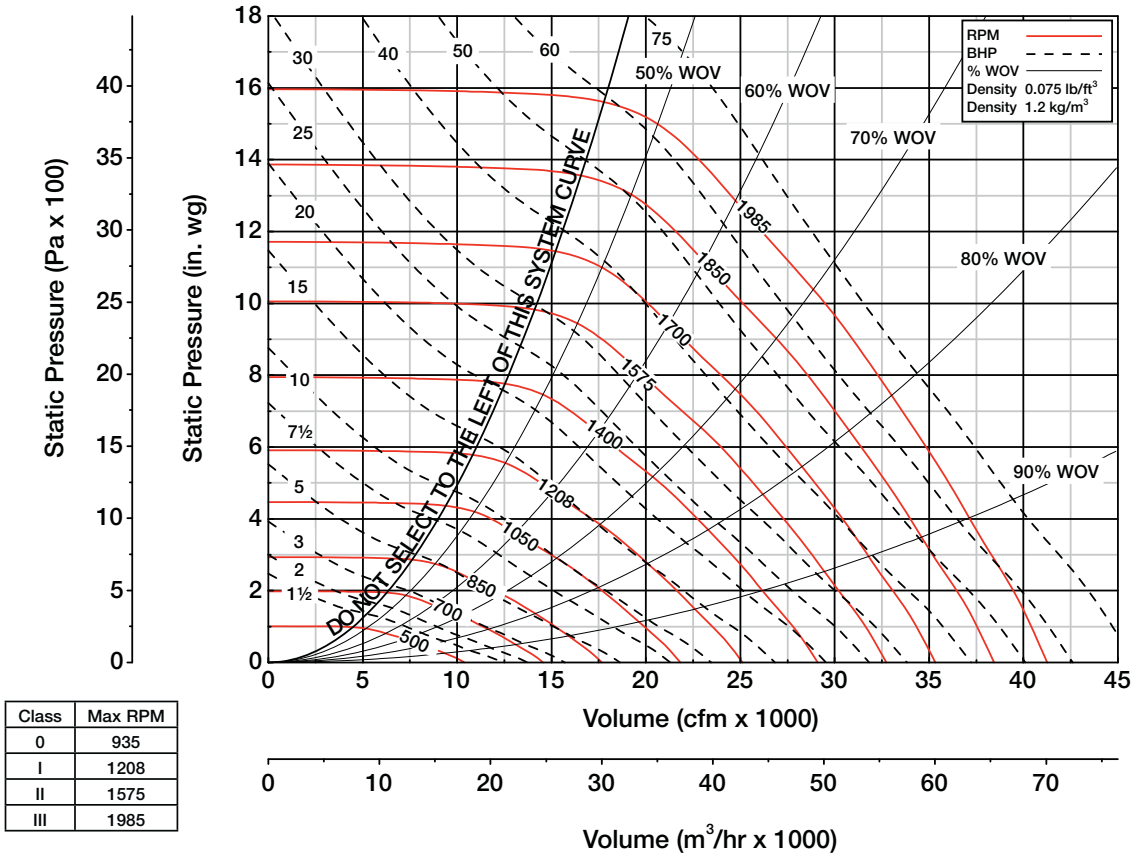
Sound Power [dB Ref 10⁻¹² watts]

		Inlet Sound Power, L_{wi}									
RPM	%WOV	1	2	3	4	5	6	7	8	L_{wA}	
150	100	79	74	68	63	55	47	42	37	65	
	80	78	71	64	61	52	45	41	37	63	
	60	77	70	64	63	52	45	40	35	63	
	50	76	71	65	64	54	47	42	37	64	
	40	76	71	66	65	55	48	43	39	65	
300	100	99	91	84	85	79	70	65	60	85	
	80	96	87	80	80	74	68	64	59	81	
	60	93	84	78	80	74	71	67	63	81	
	50	90	82	78	79	74	71	67	63	80	
	40	93	85	79	80	75	72	68	64	81	
400	100	106	98	92	92	89	79	74	69	93	
	80	106	94	88	86	83	76	72	68	89	
	60	101	90	85	85	82	79	75	72	87	
	50	101	89	84	84	81	79	75	72	87	
	40	99	93	86	85	82	80	78	76	88	
600	100	114	110	103	101	100	93	87	81	104	
	80	112	106	99	97	94	89	84	80	100	
	60	109	103	95	94	92	89	87	84	98	
	50	109	103	94	93	91	90	87	84	97	
	40	113	107	98	95	92	91	88	85	99	
848	100	120	124	114	109	108	104	98	92	114	
	80	117	122	110	105	103	99	94	90	111	
	60	114	119	106	102	100	98	95	93	108	
	50	115	120	106	101	100	98	96	93	108	
	40	122	122	109	103	101	99	97	94	110	
1022	100	124	128	121	114	112	109	104	97	119	
	80	120	125	117	110	108	104	99	95	115	
	60	117	122	114	107	105	103	100	97	112	
	50	118	123	114	106	104	103	101	98	112	
	40	125	127	117	109	106	103	101	99	115	

		Outlet Sound Power, L_{wo}									
RPM	%WOV	1	2	3	4	5	6	7	8	L_{woA}	
150	100	86	77	73	68	60	53	49	45	70	
	80	85	76	70	67	58	52	48	46	68	
	60	84	75	70	67	58	52	49	46	68	
	50	84	75	70	67	58	52	49	46	68	
	40	84	75	70	68	58	53	50	47	68	
300	100	100	93	89	87	82	74	71	67	88	
	80	97	89	85	83	77	70	66	62	84	
	60	95	86	82	80	75	70	67	65	82	
	50	95	86	82	80	75	71	70	69	82	
	40	95	86	81	79	74	70	70	70	81	
400	100	111	100	97	94	92	84	80	76	97	
	80	108	96	93	89	86	79	75	70	92	
	60	107	93	90	86	83	78	75	73	89	
	50	105	92	89	85	82	78	76	74	88	
	40	103	92	89	84	81	78	76	74	88	
600	100	118	113	108	105	103	98	91	84	108	
	80	115	109	104	101	97	92	86	81	103	
	60	113	107	101	97	94	90	86	82	100	
	50	112	106	100	96	93	90	86	83	99	
	40	111	105	99	95	91	89	86	83	98	
848	100	125	127	117	114	111	108	102	95	118	
	80	122	124	113	110	106	102	97	91	113	
	60	118	123	111	107	103	100	96	92	111	
	50	118	121	110	105	101	99	96	92	110	
	40	119	120	109	104	100	98	96	92	109	
1022	100	128	131	124	119	116	113	108	101	123	
	80	125	128	120	115	111	107	102	97	118	
	60	121	125	118	112	108	105	101	97	116	
	50	121	125	117	111	107	104	101	97	115	
	40	122	124	116	110	105	103	100	97	114	

The sound power level ratings shown are in decibels, referred to 10⁻¹² watts calculated per AMCA Standard 301. The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. Values shown are for inlet L_{wi} , L_{wA} , and outlet L_{wo} , L_{woA} sound power levels for installation type B: free inlet, ducted outlet. Outlet ratings include the effects of duct end correction. The AMCA Certified Ratings Seal for Sound applies to inlet L_{wiA} and outlet L_{woA} ratings only.

CSW-33-AF



$$\% \text{ WOV} = (\text{CFM} \times 100) / (\text{RPM} \times 20.8)$$

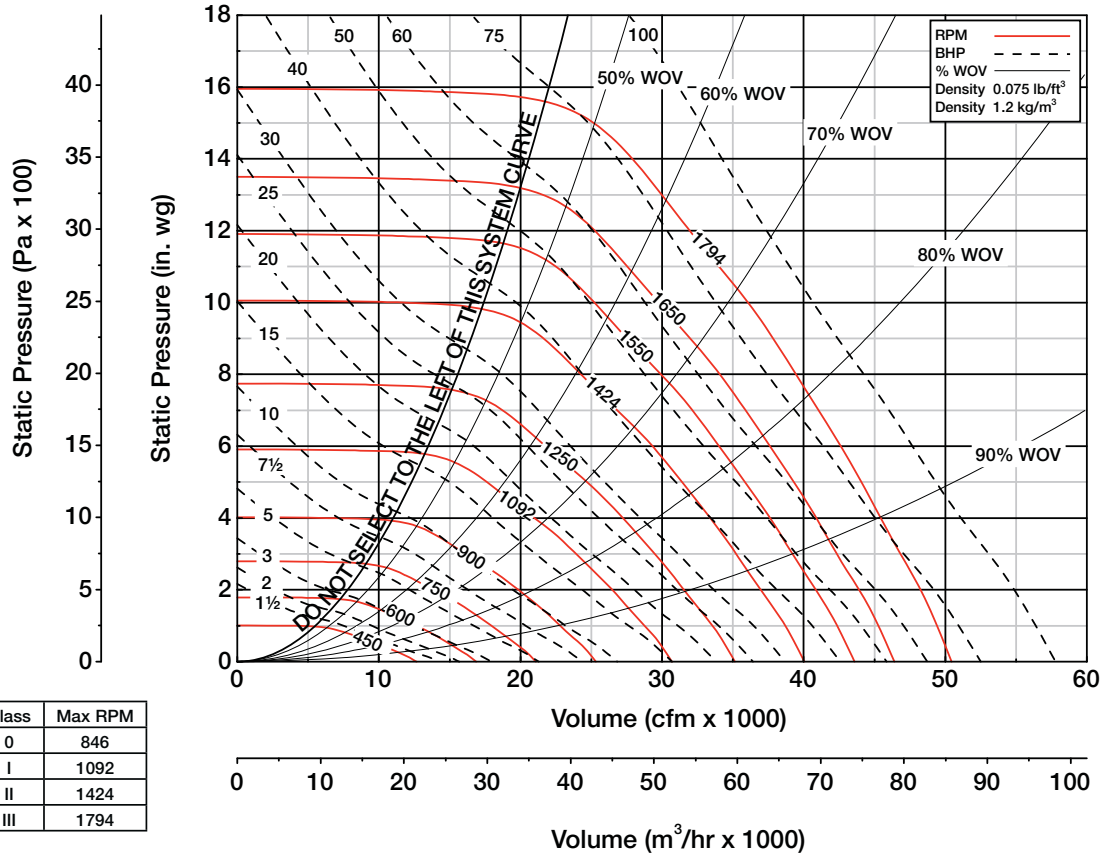
Sound Power [dB Ref 10⁻¹² watts]

		Inlet Sound Power, L_{wi}								
RPM	%WOV	1	2	3	4	5	6	7	8	L_{wA}
400	100	88	79	74	65	63	52	46	40	70
	80	88	76	70	60	56	49	44	38	67
	60	86	75	67	58	57	49	45	38	65
	50	85	75	66	59	59	53	47	39	66
	40	84	74	65	59	59	53	48	39	65
600	100	90	86	82	75	76	66	58	53	80
	80	89	86	81	71	69	62	55	49	77
	60	88	84	77	70	70	62	57	51	75
	50	87	83	77	70	70	63	58	51	75
	40	86	83	76	70	70	63	59	52	75
800	100	93	92	86	81	79	75	67	61	85
	80	90	87	83	77	75	69	64	60	81
	60	90	89	83	77	76	71	68	63	82
	50	92	92	82	77	77	71	69	65	82
	40	94	93	84	79	77	72	69	65	83
1100	100	96	95	98	90	87	84	77	71	94
	80	93	94	97	87	82	79	73	70	91
	60	91	89	93	86	82	79	77	74	89
	50	102	97	95	86	83	80	79	78	91
	40	104	99	97	88	84	81	79	78	93
1500	100	100	100	106	98	96	95	88	81	103
	80	96	96	102	93	90	89	84	78	98
	60	94	96	100	91	89	88	86	83	96
	50	97	97	99	91	89	88	87	84	96
	40	98	98	100	92	89	88	87	84	97
1985	100	109	104	113	106	102	103	98	90	110
	80	105	100	109	101	96	96	92	86	105
	60	102	101	107	98	95	95	93	90	103
	50	105	102	106	98	95	95	94	91	103
	40	106	103	107	100	96	95	94	91	104

		Outlet Sound Power, L_{wo}								
RPM	%WOV	1	2	3	4	5	6	7	8	L_{woA}
400	100	95	85	74	68	67	55	48	41	75
	80	92	83	71	65	61	52	46	41	72
	60	91	82	69	61	61	51	48	42	71
	50	91	81	68	61	61	51	49	43	70
	40	91	81	67	61	61	51	49	43	70
600	100	99	90	83	78	77	69	60	54	82
	80	95	89	82	75	73	64	57	52	79
	60	94	87	79	72	70	62	59	54	77
	50	94	86	78	71	70	62	59	55	77
	40	94	86	77	70	70	62	60	56	76
800	100	103	100	88	85	83	78	70	64	89
	80	99	95	85	81	79	72	66	62	85
	60	97	92	82	78	75	70	67	64	82
	50	98	92	81	77	74	70	68	66	82
	40	101	93	82	77	74	70	68	66	83
1100	100	110	103	101	93	91	88	81	74	98
	80	107	100	98	90	87	83	76	71	94
	60	108	98	96	87	83	79	75	74	92
	50	105	97	94	85	82	79	76	75	90
	40	109	98	94	85	81	79	76	75	91
1500	100	115	110	109	101	100	98	92	85	106
	80	112	106	105	98	96	93	87	80	102
	60	107	102	103	95	92	89	85	82	99
	50	107	101	101	93	90	88	86	83	98
	40	107	102	102	93	90	87	86	84	98
1985	100	124	117	116	108	106	106	101	94	113
	80	121	113	112	105	103	100	96	89	109
	60	116	108	110	102	100	96	93	90	106
	50	117	107	108	101	98	94	93	90	105
	40	116	108	109	100	97	94	93	91	105

The sound power level ratings shown are in decibels, referred to 10⁻¹² watts calculated per AMCA Standard 301. The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. Values shown are for inlet L_{wi} , and outlet L_{wo} , L_{woA} sound power levels for installation type B: free inlet, ducted outlet. Outlet ratings include the effects of duct end correction. The AMCA Certified Ratings Seal for Sound applies to inlet L_{wiA} and outlet L_{woA} ratings only.

CSW-36-AF



Class	Max RPM
0	846
I	1092
II	1424
III	1794

$$\% \text{ WOV} = (\text{CFM} \times 100) / (\text{RPM} \times 28.1)$$

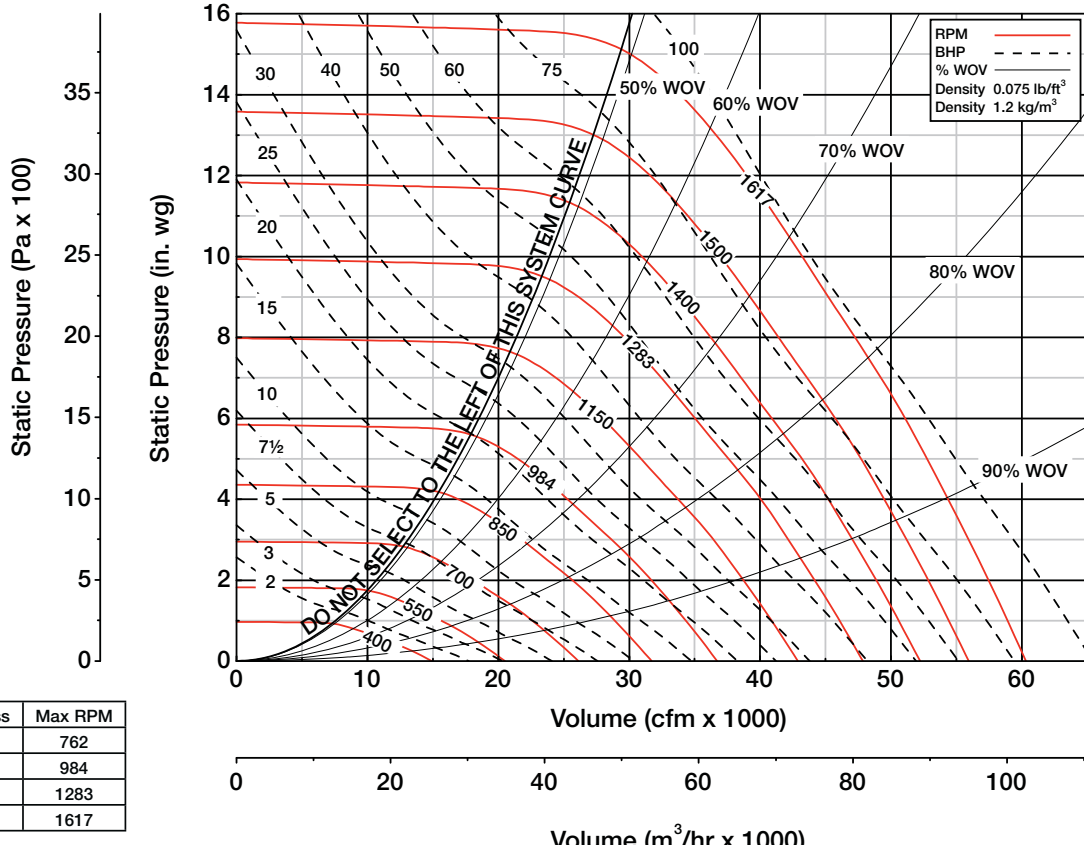
Sound Power [dB Ref 10⁻¹² watts]

		Inlet Sound Power, L_{wi}								
RPM	%WOV	1	2	3	4	5	6	7	8	L_{wA}
350	100	79	75	70	68	63	54	47	43	69
	80	78	74	69	66	62	54	47	43	68
	60	75	71	67	66	62	54	47	43	67
	50	76	71	66	65	62	55	48	44	67
	40	76	71	67	66	62	55	48	44	67
500	100	91	85	79	75	72	64	56	52	78
	80	89	83	76	72	68	62	54	49	75
	60	88	80	73	71	69	63	57	51	74
	50	87	79	72	71	69	63	57	52	73
	40	86	79	72	70	69	63	57	52	73
700	100	97	96	85	82	81	75	66	61	86
	80	98	96	83	77	76	70	64	59	84
	60	97	95	80	75	75	71	67	62	83
	50	94	92	79	75	75	71	68	64	81
	40	96	95	83	76	75	71	67	64	83
900	100	94	100	91	87	88	85	74	69	93
	80	92	100	89	82	82	79	71	67	88
	60	89	98	85	79	80	77	74	71	87
	50	89	96	84	79	80	77	75	72	86
	40	92	94	84	78	80	76	75	72	85
1300	100	101	108	105	95	95	95	88	81	102
	80	98	108	104	92	90	89	83	77	99
	60	96	106	101	89	87	86	84	81	96
	50	96	104	99	87	86	86	84	82	95
	40	97	104	99	87	86	86	85	82	96
1794	100	106	113	119	105	101	102	99	91	112
	80	103	111	119	103	97	97	93	86	111
	60	102	109	116	100	94	94	92	89	109
	50	102	109	115	98	93	93	92	90	107
	40	102	109	115	98	93	93	92	91	107

		Outlet Sound Power, L_{wo}								
RPM	%WOV	1	2	3	4	5	6	7	8	L_{woA}
350	100	82	83	77	70	64	56	48	44	73
	80	80	83	76	68	63	56	47	44	72
	60	79	82	76	68	64	57	49	45	72
	50	79	81	75	68	65	58	50	46	72
	40	79	81	75	69	65	57	50	46	72
500	100	94	87	79	76	73	64	57	51	79
	80	91	86	77	73	69	62	56	49	76
	60	88	83	75	71	68	62	57	52	74
	50	89	83	75	70	68	62	57	53	74
	40	86	83	74	70	67	61	57	53	74
700	100	102	99	88	84	83	77	69	64	89
	80	100	97	86	80	79	73	66	61	86
	60	99	96	84	78	76	71	66	63	84
	50	97	95	83	77	75	70	66	63	83
	40	97	94	82	77	75	70	66	63	83
900	100	103	104	93	91	91	87	77	72	95
	80	98	102	90	87	84	82	73	69	91
	60	96	100	88	84	81	78	73	70	88
	50	96	100	87	83	81	77	73	70	88
	40	95	99	87	83	80	77	73	71	88
1300	100	109	109	105	99	98	97	91	84	104
	80	105	109	104	97	93	92	86	80	101
	60	102	105	101	94	90	88	84	81	98
	50	101	103	99	93	89	86	84	81	96
	40	101	103	99	92	88	85	84	81	96
1794	100	115	117	117	108	105	104	101	94	113
	80	111	114	117	106	102	99	96	90	111
	60	108	111	114	103	99	95	93	89	108
	50	107	110	111	102	97	94	92	89	106
	40	106	109	111	101	96	93	91	89	106

The sound power level ratings shown are in decibels, referred to 10⁻¹² watts calculated per AMCA Standard 301. The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. Values shown are for inlet L_{wi} , and outlet L_{wo} , L_{woA} sound power levels for installation type B: free inlet, ducted outlet. Outlet ratings include the effects of duct end correction. The AMCA Certified Ratings Seal for Sound applies to inlet L_{wiA} and outlet L_{woA} ratings only.

CSW-40-AF



Class	Max RPM
0	762
I	984
II	1283
III	1617

$$\% \text{ WOV} = (\text{CFM} \times 100) / (\text{RPM} \times 37.3)$$

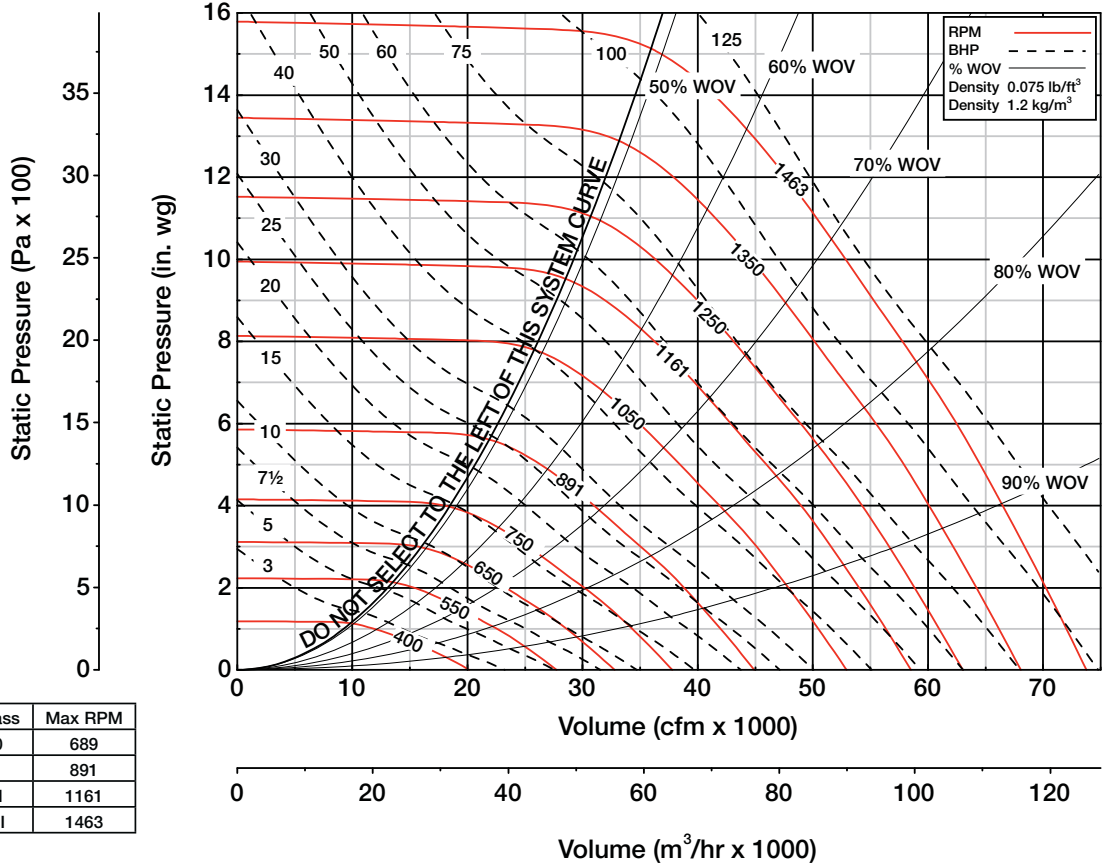
Sound Power [dB Ref 10⁻¹² watts]

		Inlet Sound Power, L_{wi}									
RPM	%WOV	1	2	3	4	5	6	7	8	L_{wA}	
300	100	79	72	70	66	61	51	46	42	67	
	80	79	70	68	65	60	52	46	43	66	
	60	76	68	67	65	61	52	46	42	66	
	50	77	68	66	64	61	52	46	43	66	
	40	76	67	66	65	61	52	46	42	66	
400	100	91	78	76	72	69	59	52	49	74	
	80	89	76	73	69	65	57	50	46	71	
	60	88	73	71	68	66	58	53	48	71	
	50	86	71	70	68	66	59	54	49	71	
	40	86	71	69	68	66	59	54	49	70	
600	100	98	91	84	80	81	72	64	60	84	
	80	99	90	80	75	76	68	62	58	81	
	60	98	88	78	74	75	69	65	61	80	
	50	95	86	76	74	75	69	67	63	79	
	40	97	88	81	74	75	69	67	63	80	
800	100	96	101	90	87	88	84	73	69	92	
	80	93	100	87	82	82	78	70	67	88	
	60	91	98	84	79	80	76	74	71	87	
	50	90	96	83	79	80	76	75	72	86	
	40	93	94	83	78	80	76	75	72	85	
1200	100	103	111	104	96	96	96	88	82	103	
	80	100	110	102	93	91	90	83	78	100	
	60	98	108	99	89	88	87	84	81	97	
	50	98	107	98	88	88	87	85	82	96	
	40	99	107	98	88	88	87	86	83	96	
1617	100	108	115	119	105	102	103	98	90	113	
	80	105	113	119	103	98	97	93	86	111	
	60	104	111	116	99	95	94	92	89	109	
	50	103	111	115	98	94	94	92	90	108	
	40	104	111	115	98	93	94	93	91	108	

		Outlet Sound Power, L_{wo}									
RPM	%WOV	1	2	3	4	5	6	7	8	L_{woA}	
300	100	83	83	74	68	62	53	46	43	72	
	80	81	83	73	67	62	53	45	43	71	
	60	80	83	73	67	63	54	47	44	71	
	50	79	80	73	67	64	55	48	45	71	
	40	80	80	73	67	64	55	48	45	71	
400	100	93	82	75	74	70	59	54	47	75	
	80	90	81	73	70	66	57	52	45	73	
	60	87	78	71	68	65	57	54	48	71	
	50	88	78	71	68	65	57	54	49	71	
	40	86	79	70	67	65	57	54	50	70	
600	100	102	94	86	84	83	75	67	63	87	
	80	100	93	83	79	78	70	64	59	84	
	60	99	92	81	77	76	69	65	62	82	
	50	98	90	80	76	75	68	65	62	81	
	40	97	90	79	76	74	68	65	62	80	
800	100	104	104	92	91	91	86	76	71	95	
	80	99	102	89	87	84	81	72	68	91	
	60	97	100	86	84	81	78	73	70	88	
	50	97	100	86	83	81	77	73	70	88	
	40	96	99	85	83	80	76	73	71	88	
1200	100	111	110	105	100	99	98	91	84	105	
	80	107	110	103	98	94	93	86	81	102	
	60	104	107	100	95	91	89	84	82	98	
	50	103	105	99	93	90	87	85	82	97	
	40	102	104	98	92	88	86	85	82	96	
1617	100	116	117	117	108	106	105	101	94	113	
	80	112	115	118	106	102	100	96	90	111	
	60	109	112	114	103	99	96	93	89	108	
	50	108	110	112	102	98	95	92	90	106	
	40	107	110	112	101	96	94	92	90	106	

The sound power level ratings shown are in decibels, referred to 10⁻¹² watts calculated per AMCA Standard 301. The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. Values shown are for inlet L_{wi} , L_{wiA} , and outlet L_{wo} , L_{woA} sound power levels for installation type B: free inlet, ducted outlet. Outlet ratings include the effects of duct end correction. The AMCA Certified Ratings Seal for Sound applies to inlet L_{wiA} and outlet L_{woA} ratings only.

CSW-44-AF



Class	Max RPM
0	689
I	891
II	1161
III	1463

$$\% \text{ WOV} = (\text{CFM} \times 100) / (\text{RPM} \times 50.4)$$

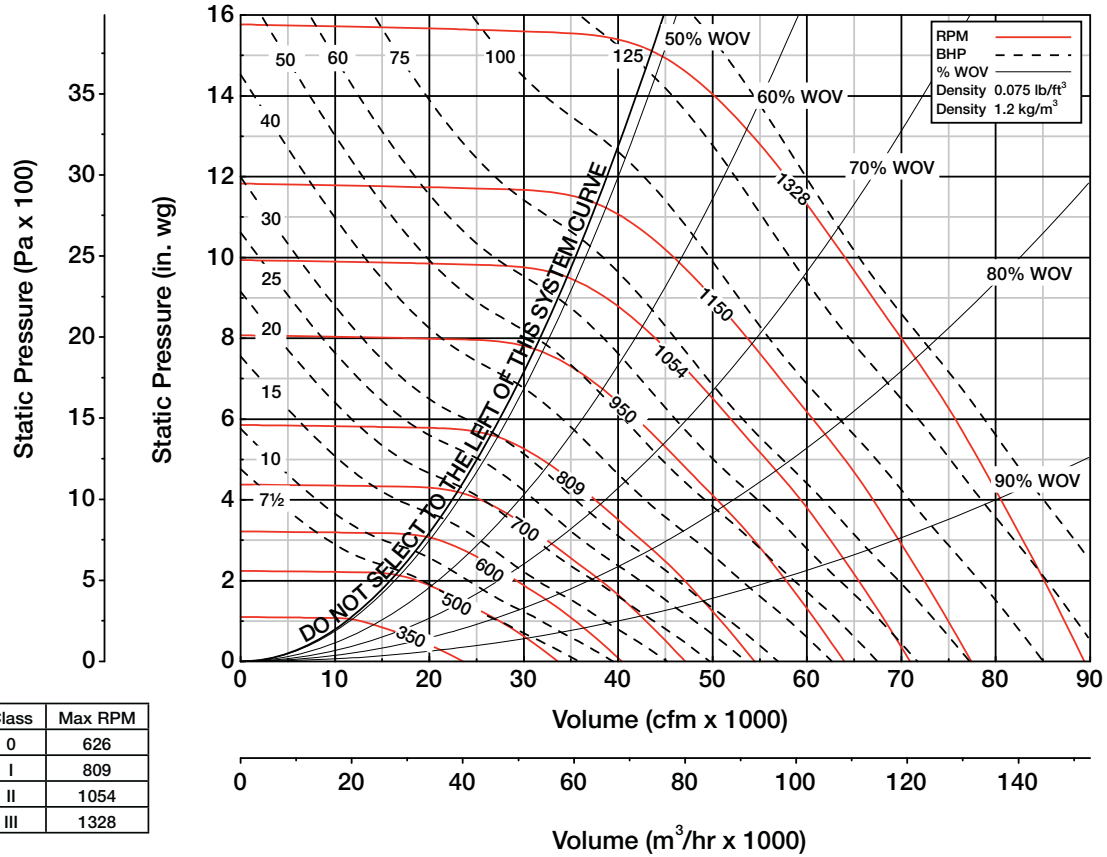
Sound Power [dB Ref 10⁻¹² watts]

		Inlet Sound Power, L_{wi}								
RPM	%WOV	1	2	3	4	5	6	7	8	L_{wiA}
300	100	83	76	73	69	64	55	49	45	71
	80	82	74	71	68	64	55	49	46	70
	60	80	71	70	68	64	55	49	45	69
	50	81	71	69	68	64	55	49	46	69
	40	80	71	69	68	64	55	49	45	69
400	100	94	82	79	75	72	62	55	52	77
	80	93	79	76	72	68	60	53	49	75
	60	91	76	74	71	69	61	56	51	74
	50	90	74	73	71	70	62	57	52	74
	40	90	75	72	71	69	62	57	52	74
600	100	101	94	87	84	84	75	67	63	88
	80	102	93	84	78	79	71	65	61	84
	60	101	91	81	77	78	72	69	64	83
	50	99	89	80	77	78	72	70	66	82
	40	100	92	84	77	78	72	70	66	84
800	100	99	104	93	90	92	87	76	72	96
	80	97	103	91	85	85	81	73	70	92
	60	94	102	87	82	83	79	77	74	90
	50	94	99	86	82	83	79	78	75	89
	40	97	98	86	81	83	79	78	75	89
1100	100	105	113	103	96	97	97	88	82	103
	80	102	113	101	93	92	91	83	79	100
	60	101	110	97	89	89	88	85	82	98
	50	100	109	96	88	89	88	86	83	97
	40	101	109	96	88	89	88	87	84	97
1463	100	110	117	117	105	103	103	98	91	112
	80	107	115	116	102	99	98	93	87	110
	60	106	114	114	99	95	95	93	90	107
	50	105	112	112	97	95	95	93	91	106
	40	106	113	112	97	95	94	93	91	106

		Outlet Sound Power, L_{wo}								
RPM	%WOV	1	2	3	4	5	6	7	8	L_{woA}
300	100	86	86	77	72	65	56	49	46	75
	80	84	86	76	70	65	56	49	46	74
	60	83	86	76	70	66	57	50	47	74
	50	82	83	76	70	67	58	51	48	74
	40	83	83	76	70	67	58	51	48	74
400	100	96	85	78	77	73	62	57	50	79
	80	93	84	76	73	69	60	55	48	76
	60	91	81	74	71	68	60	57	51	74
	50	91	82	74	71	68	60	57	52	74
	40	89	82	73	70	68	60	57	53	73
600	100	105	97	89	87	86	78	70	66	90
	80	103	96	86	82	81	74	67	62	87
	60	102	95	84	80	79	72	68	65	85
	50	101	93	83	79	78	71	68	65	84
	40	100	93	82	79	77	71	68	65	83
800	100	107	107	95	94	94	89	79	75	98
	80	102	105	92	90	87	84	75	71	94
	60	100	103	89	87	84	81	76	73	91
	50	100	103	89	86	84	80	76	74	91
	40	99	102	88	86	83	79	76	74	91
1100	100	112	111	105	101	100	99	91	85	105
	80	108	112	102	98	95	94	87	82	102
	60	105	108	100	95	91	90	85	82	99
	50	105	106	98	94	90	88	85	83	98
	40	104	106	98	93	89	87	86	83	97
1463	100	117	118	116	109	106	105	100	93	113
	80	113	117	116	106	102	101	96	90	111
	60	110	113	112	103	99	96	93	90	108
	50	110	112	110	102	98	95	93	90	106
	40	109	111	110	101	97	94	92	90	106

The sound power level ratings shown are in decibels, referred to 10⁻¹² watts calculated per AMCA Standard 301. The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. Values shown are for inlet L_{wi} , and outlet L_{wo} , and L_{wiA} and L_{woA} sound power levels for installation type B: free inlet, ducted outlet. Outlet ratings include the effects of duct end correction. The AMCA Certified Ratings Seal for Sound applies to inlet L_{wiA} and outlet L_{woA} ratings only.

CSW-49-AF



$$\% \text{WOV} = (\text{CFM} \times 100) / (\text{RPM} \times 67.3)$$

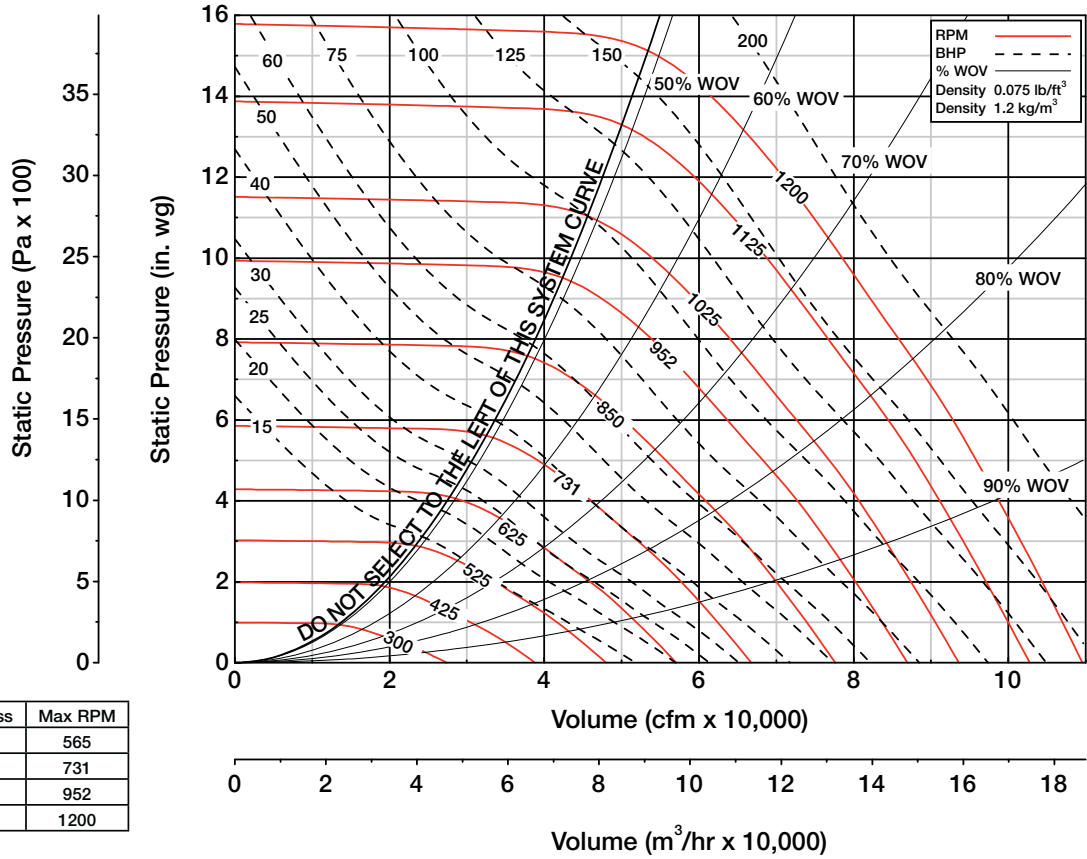
Sound Power [dB Ref 10⁻¹² watts]

		Inlet Sound Power, L_{wi}									
RPM	%WOV	1	2	3	4	5	6	7	8	L_{wA}	
250	100	82	72	71	67	61	51	46	43	68	
	80	81	71	70	66	61	52	47	44	67	
	60	78	68	69	66	61	52	47	44	67	
	50	79	68	68	66	62	52	47	44	67	
	40	78	68	68	66	62	52	47	44	67	
350	100	92	81	78	74	70	61	55	51	76	
	80	90	78	75	71	67	59	53	48	73	
	60	89	75	73	71	68	60	55	50	73	
	50	87	74	73	71	68	61	56	51	73	
	40	87	74	72	71	68	61	56	51	73	
500	100	102	90	85	82	81	72	65	61	85	
	80	103	89	81	77	76	68	63	59	82	
	60	102	87	79	76	76	70	66	62	81	
	50	99	84	77	76	76	71	68	64	81	
	40	101	88	81	76	75	70	68	64	82	
700	100	101	102	93	91	91	85	75	71	95	
	80	99	101	89	85	84	80	73	69	90	
	60	96	99	86	83	82	79	76	73	88	
	50	95	97	85	82	82	79	77	74	88	
	40	97	95	85	82	82	79	78	75	88	
1000	100	107	114	103	97	98	97	88	82	104	
	80	104	114	100	94	93	91	83	79	101	
	60	103	112	97	90	90	88	86	83	99	
	50	102	110	96	89	90	88	87	84	98	
	40	103	110	96	89	90	88	87	85	98	
1328	100	112	118	115	105	104	104	97	91	112	
	80	109	118	114	102	99	99	92	87	109	
	60	107	116	111	98	96	95	93	90	106	
	50	107	114	110	97	96	95	94	91	105	
	40	108	115	110	97	96	95	94	92	105	

		Outlet Sound Power, L_{wo}									
RPM	%WOV	1	2	3	4	5	6	7	8	L_{woA}	
250	100	85	84	74	69	62	53	47	45	72	
	80	83	84	73	68	62	53	46	44	72	
	60	82	84	73	68	64	54	48	45	72	
	50	82	82	73	68	64	55	48	46	71	
	40	82	81	73	68	65	54	49	47	71	
350	100	94	84	77	76	71	61	56	49	77	
	80	91	82	75	72	68	59	54	47	75	
	60	89	80	73	70	67	60	56	50	73	
	50	89	80	73	70	66	60	56	51	73	
	40	87	80	72	70	66	59	57	52	72	
500	100	105	94	87	85	83	75	68	64	88	
	80	103	92	84	81	79	71	65	60	85	
	60	102	90	82	79	76	70	66	63	83	
	50	100	89	81	78	75	69	66	63	82	
	40	100	89	80	77	75	69	66	63	81	
700	100	107	105	95	94	93	87	78	74	97	
	80	103	102	91	89	87	82	75	71	93	
	60	100	100	89	86	83	80	75	72	90	
	50	101	100	89	86	83	79	76	73	90	
	40	100	100	88	85	82	79	76	74	89	
1000	100	113	113	105	102	101	98	91	85	106	
	80	110	113	102	99	96	94	87	82	103	
	60	107	110	100	96	92	90	86	83	100	
	50	106	107	99	94	91	89	86	83	98	
	40	105	107	98	93	90	88	86	83	98	
1328	100	118	119	115	109	107	106	100	93	113	
	80	115	118	114	106	103	101	96	90	111	
	60	112	115	111	103	99	97	93	90	107	
	50	111	113	109	102	98	96	93	91	106	
	40	110	112	109	101	97	95	93	91	105	

The sound power level ratings shown are in decibels, referred to 10⁻¹² watts calculated per AMCA Standard 301. The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. Values shown are for inlet L_{wi} , L_{wA} , and outlet L_{wo} , L_{woA} sound power levels for installation type B: free inlet, ducted outlet. Outlet ratings include the effects of duct end correction. The AMCA Certified Ratings Seal for Sound applies to inlet L_{wiA} and outlet L_{woA} ratings only.

CSW-54-AF



Class	Max RPM
0	565
I	731
II	952
III	1200

$$\% \text{ WOV} = (\text{CFM} \times 100) / (\text{RPM} \times 91.3)$$

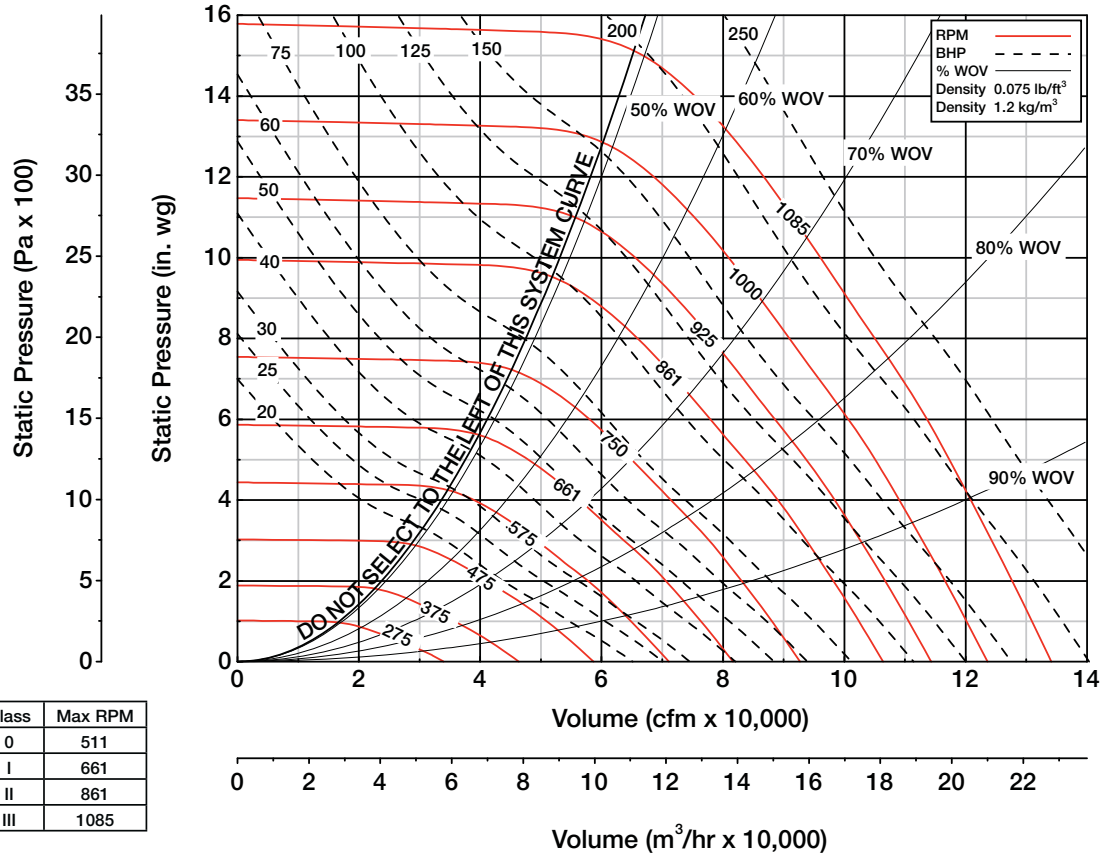
Sound Power [dB Ref 10⁻¹² watts]

		Inlet Sound Power, L_{wi}									
RPM	%WOV	1	2	3	4	5	6	7	8	L_{wiA}	
250	100	85	76	74	70	64	54	49	46	71	
	80	85	74	73	69	64	55	50	47	70	
	60	82	71	72	69	64	55	50	47	70	
	50	83	71	71	69	65	55	50	47	70	
	40	82	71	71	69	65	55	50	47	70	
350	100	96	84	82	78	73	64	58	54	80	
	80	94	81	78	74	70	62	56	52	77	
	60	93	79	77	74	71	63	58	53	76	
	50	91	77	76	74	71	64	59	54	76	
	40	91	77	75	74	71	64	59	54	76	
450	100	104	90	85	83	80	72	65	62	86	
	80	105	88	81	78	75	68	63	59	83	
	60	104	86	79	77	75	70	67	62	82	
	50	101	84	78	77	76	71	68	64	81	
	40	103	88	81	77	75	71	68	64	82	
650	100	103	102	94	92	92	85	76	72	96	
	80	101	101	90	86	85	80	74	70	91	
	60	99	99	87	84	83	80	77	74	89	
	50	98	97	86	84	84	81	78	75	89	
	40	99	96	86	84	83	81	79	76	89	
900	100	109	116	103	98	99	96	88	82	105	
	80	107	116	100	94	94	91	84	79	102	
	60	106	113	97	91	91	89	86	83	100	
	50	105	112	95	90	90	89	87	84	99	
	40	105	112	95	90	90	89	88	85	99	
1200	100	114	120	113	105	105	105	97	91	112	
	80	111	120	112	102	100	99	92	87	109	
	60	109	118	109	98	97	96	94	90	106	
	50	109	116	107	97	97	96	94	92	105	
	40	110	116	107	97	97	96	95	92	106	

		Outlet Sound Power, L_{wo}									
RPM	%WOV	1	2	3	4	5	6	7	8	L_{woA}	
250	100	88	87	77	72	66	56	50	48	75	
	80	86	87	76	71	65	56	49	47	75	
	60	85	87	76	71	67	57	51	49	75	
	50	85	85	76	71	68	58	51	49	74	
	40	85	84	76	71	68	58	52	50	74	
350	100	97	87	80	79	74	64	59	52	80	
	80	94	85	78	75	71	62	57	50	78	
	60	92	83	76	74	70	63	59	53	76	
	50	92	83	76	73	70	63	60	54	76	
	40	91	83	75	73	69	63	60	55	76	
450	100	106	93	88	86	83	75	68	64	88	
	80	105	91	84	81	78	71	65	60	85	
	60	103	90	82	79	76	70	67	64	83	
	50	102	89	81	78	75	70	67	63	82	
	40	101	88	80	78	74	70	67	64	82	
650	100	109	105	96	95	94	88	79	75	98	
	80	105	102	93	91	88	83	76	72	94	
	60	102	100	90	88	84	81	76	74	91	
	50	102	100	90	87	84	80	77	74	91	
	40	102	99	89	87	83	80	77	75	90	
900	100	114	114	105	102	101	98	91	84	106	
	80	111	115	103	99	96	93	87	82	104	
	60	108	111	100	96	92	90	86	83	100	
	50	107	108	99	95	91	89	86	84	99	
	40	106	108	98	93	90	88	87	84	98	
1200	100	120	119	114	109	108	107	100	93	114	
	80	116	119	112	107	103	102	95	90	111	
	60	113	116	110	104	100	98	94	91	107	
	50	112	114	108	102	99	96	94	91	106	
	40	111	114	107	101	97	95	94	91	105	

The sound power level ratings shown are in decibels, referred to 10⁻¹² watts calculated per AMCA Standard 301. The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. Values shown are for inlet L_{wi} , L_{wiA} , and outlet L_{wo} , L_{woA} sound power levels for installation type B: free inlet, ducted outlet. Outlet ratings include the effects of duct end correction. The AMCA Certified Ratings Seal for Sound applies to inlet L_{wiA} and outlet L_{woA} ratings only.

CSW-60-AF



Class	Max RPM
0	511
I	661
II	861
III	1085

$$\% \text{WOV} = (\text{CFM} \times 100) / (\text{RPM} \times 124)$$

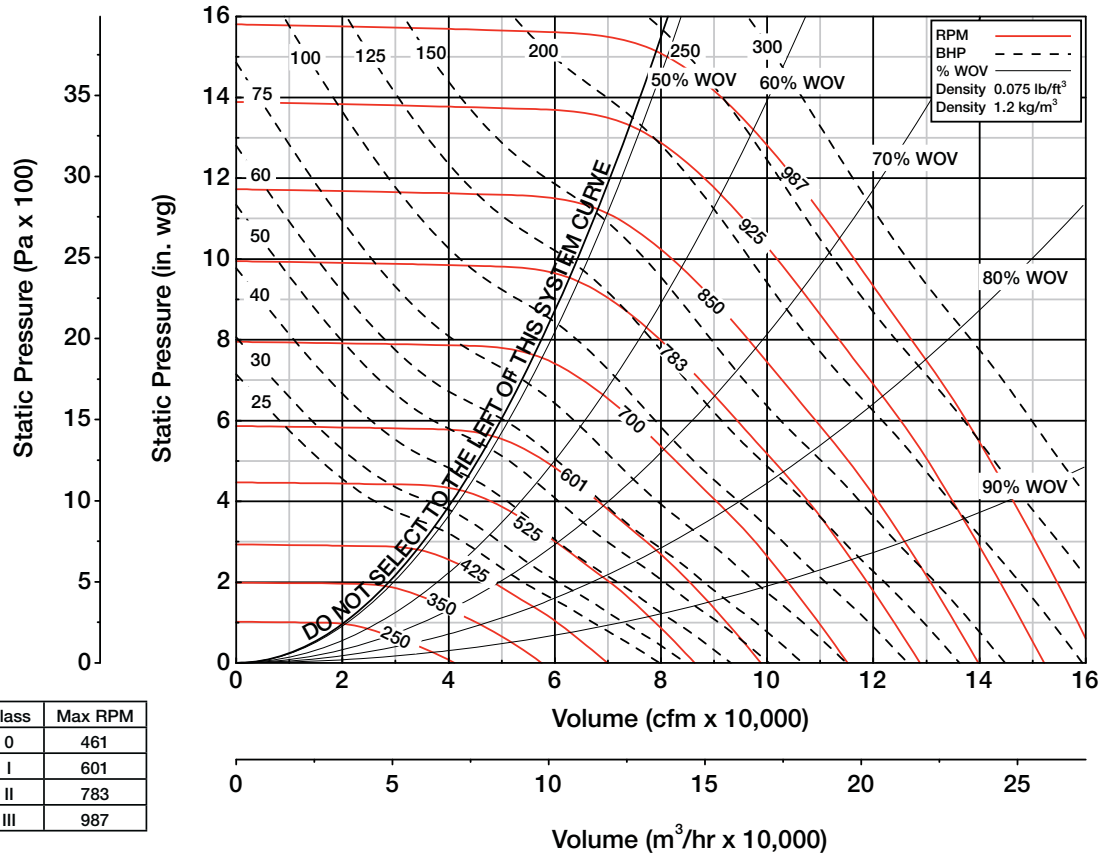
Sound Power [dB Ref 10⁻¹² watts]

		Inlet Sound Power, L_{wi}									
RPM	%WOV	1	2	3	4	5	6	7	8	L_{wA}	
200	100	80	73	71	67	59	51	47	43	68	
	80	79	72	70	66	59	51	47	44	67	
	60	76	70	69	66	59	51	47	44	66	
	50	76	69	69	66	60	52	47	44	67	
	40	76	69	69	66	60	52	47	44	67	
300	100	92	83	80	77	71	62	57	53	78	
	80	90	81	77	73	68	60	54	50	75	
	60	88	78	76	73	69	62	57	52	75	
	50	87	77	75	73	69	63	58	52	75	
	40	87	76	74	73	69	63	58	53	74	
400	100	103	90	85	84	79	71	65	62	86	
	80	104	87	81	79	75	68	63	59	82	
	60	103	85	79	78	75	70	66	62	82	
	50	100	83	78	78	75	71	68	64	81	
	40	102	87	80	77	75	71	68	64	82	
550	100	103	99	92	92	90	82	75	71	94	
	80	102	97	88	86	84	78	72	69	89	
	60	100	94	85	84	82	79	76	73	88	
	50	99	93	85	84	82	80	77	74	88	
	40	99	92	84	83	82	80	78	75	88	
800	100	111	115	102	99	99	95	87	82	105	
	80	109	115	99	95	94	90	83	79	102	
	60	108	113	96	91	91	89	86	83	100	
	50	107	111	94	91	91	89	87	84	99	
	40	107	111	94	90	90	89	88	85	99	
1085	100	116	122	112	105	106	106	96	91	112	
	80	112	122	109	102	101	100	92	87	110	
	60	111	120	106	98	98	97	94	91	107	
	50	111	118	104	97	98	97	95	92	106	
	40	111	118	104	96	98	96	96	93	106	

		Outlet Sound Power, L_{wo}									
RPM	%WOV	1	2	3	4	5	6	7	8	L_{woA}	
200	100	86	82	74	68	61	52	48	45	71	
	80	85	82	72	67	60	52	47	45	71	
	60	85	82	72	68	62	53	48	46	71	
	50	83	80	73	68	62	54	49	47	71	
	40	84	80	73	68	62	54	49	47	71	
300	100	94	85	80	78	71	63	57	51	79	
	80	92	83	77	74	68	61	55	49	76	
	60	90	81	75	73	68	62	57	52	75	
	50	90	81	75	72	68	62	58	53	75	
	40	89	81	75	72	67	62	58	54	74	
400	100	106	92	88	87	82	74	68	64	88	
	80	104	90	84	82	77	70	65	60	84	
	60	102	89	82	79	75	70	67	64	83	
	50	101	88	81	79	74	70	67	63	82	
	40	100	87	80	78	74	70	67	64	81	
550	100	108	101	95	95	93	85	78	73	97	
	80	105	98	92	90	87	80	74	70	92	
	60	103	96	89	86	83	79	75	72	89	
	50	103	96	89	86	83	79	76	73	89	
	40	102	95	88	85	82	79	76	74	88	
800	100	114	114	105	103	101	97	90	84	106	
	80	112	114	102	99	97	93	86	81	103	
	60	109	111	100	96	93	90	86	83	100	
	50	107	108	98	95	92	89	86	84	99	
	40	107	108	98	93	90	89	87	84	98	
1085	100	121	120	113	110	109	107	100	93	114	
	80	117	121	111	107	104	103	95	90	111	
	60	114	117	108	104	100	98	94	91	108	
	50	113	115	107	103	99	97	94	92	106	
	40	113	115	106	102	98	96	94	92	106	

The sound power level ratings shown are in decibels, referred to 10⁻¹² watts calculated per AMCA Standard 301. The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. Values shown are for inlet L_{wi} , and outlet L_{wo} , L_{woA} sound power levels for installation type B: free inlet, ducted outlet. Outlet ratings include the effects of duct end correction. The AMCA Certified Ratings Seal for Sound applies to inlet L_{wiA} and outlet L_{woA} ratings only.

CSW-66-AF



Class	Max RPM
0	461
I	601
II	783
III	987

$$\% \text{ WOV} = (\text{CFM} \times 100) / (\text{RPM} \times 164)$$

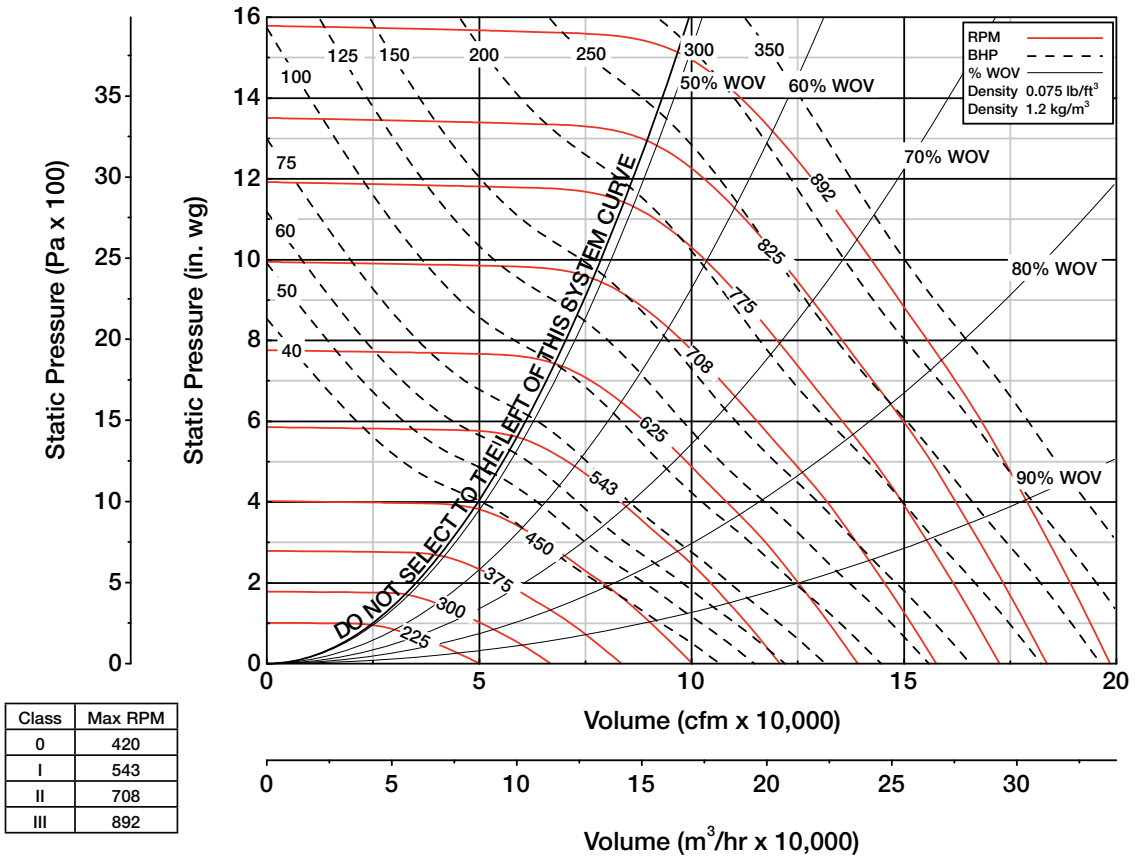
Sound Power [dB Ref 10⁻¹² watts]

		Inlet Sound Power, L_{wi}									
RPM	%WOV	1	2	3	4	5	6	7	8	L_{wiA}	
200	100	83	76	74	70	62	54	49	46	71	
	80	82	75	73	69	62	54	50	47	70	
	60	79	73	72	69	62	54	50	47	69	
	50	79	72	72	69	63	55	50	47	70	
	40	79	72	72	69	63	54	50	47	70	
300	100	96	86	83	79	73	65	60	56	81	
	80	94	84	80	76	71	63	57	53	78	
	60	92	81	79	76	72	65	60	54	78	
	50	90	80	78	76	72	66	60	55	78	
	40	90	79	77	76	72	65	61	56	77	
400	100	106	93	88	87	82	74	68	65	88	
	80	107	90	84	82	77	71	66	61	85	
	60	106	88	82	81	78	73	69	65	85	
	50	103	86	81	81	78	74	71	67	84	
	40	105	90	83	80	78	74	71	67	85	
500	100	105	98	93	93	91	81	75	71	95	
	80	104	96	88	87	84	77	73	69	89	
	60	102	93	85	85	82	79	76	73	88	
	50	100	92	85	85	82	80	77	74	88	
	40	100	91	84	85	82	81	78	75	88	
700	100	112	112	101	99	99	93	86	80	103	
	80	111	111	98	95	94	88	82	78	100	
	60	109	108	94	92	91	88	85	82	97	
	50	108	106	93	91	90	89	86	83	97	
	40	108	106	93	91	90	89	87	84	97	
987	100	117	123	111	106	107	105	96	91	113	
	80	115	123	109	102	102	100	92	88	110	
	60	113	121	106	99	99	97	94	91	108	
	50	113	119	104	98	98	97	95	92	107	
	40	113	119	104	98	98	97	96	93	107	

		Outlet Sound Power, L_{wo}									
RPM	%WOV	1	2	3	4	5	6	7	8	L_{woA}	
200	100	89	85	77	71	63	55	51	48	74	
	80	88	84	75	70	63	55	50	48	73	
	60	88	84	75	71	65	56	51	49	74	
	50	86	83	75	71	65	57	52	50	73	
	40	86	83	75	71	65	57	52	50	73	
300	100	97	88	83	81	74	65	60	53	82	
	80	95	86	80	77	71	64	58	51	79	
	60	93	84	78	76	71	65	60	55	77	
	50	93	84	78	75	71	65	61	56	77	
	40	92	84	77	75	70	65	61	57	77	
400	100	109	95	91	89	85	77	71	67	91	
	80	107	93	87	85	80	73	67	63	87	
	60	105	92	85	82	78	73	69	67	86	
	50	104	90	84	82	77	73	70	66	85	
	40	103	90	83	81	77	73	70	67	84	
500	100	109	100	96	96	93	84	78	73	97	
	80	106	97	92	90	87	80	74	70	92	
	60	104	95	90	87	83	79	76	73	90	
	50	104	95	89	86	83	79	76	74	89	
	40	104	94	88	86	82	79	76	74	89	
700	100	114	111	104	102	101	96	89	82	106	
	80	113	111	102	98	96	91	85	80	102	
	60	109	108	99	95	92	89	85	83	99	
	50	108	106	98	94	91	89	86	83	98	
	40	107	105	97	93	90	88	86	83	97	
987	100	122	122	114	110	109	107	100	93	115	
	80	119	122	111	110	104	102	95	90	112	
	60	116	118	109	104	101	99	94	92	108	
	50	114	116	107	103	100	97	95	92	107	
	40	114	116	106	102	98	97	95	92	106	

The sound power level ratings shown are in decibels, referred to 10⁻¹² watts calculated per AMCA Standard 301. The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. Values shown are for inlet L_{wi} , L_{wiA} , and outlet L_{wo} , L_{woA} sound power levels for installation type B: free inlet, ducted outlet. Outlet ratings include the effects of duct end correction. The AMCA Certified Ratings Seal for Sound applies to inlet L_{wiA} and outlet L_{woA} ratings only.

CSW-73-AF



Class	Max RPM
0	420
I	543
II	708
III	892

$$\% \text{ WOV} = (\text{CFM} \times 100) / (\text{RPM} \times 223)$$

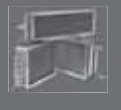
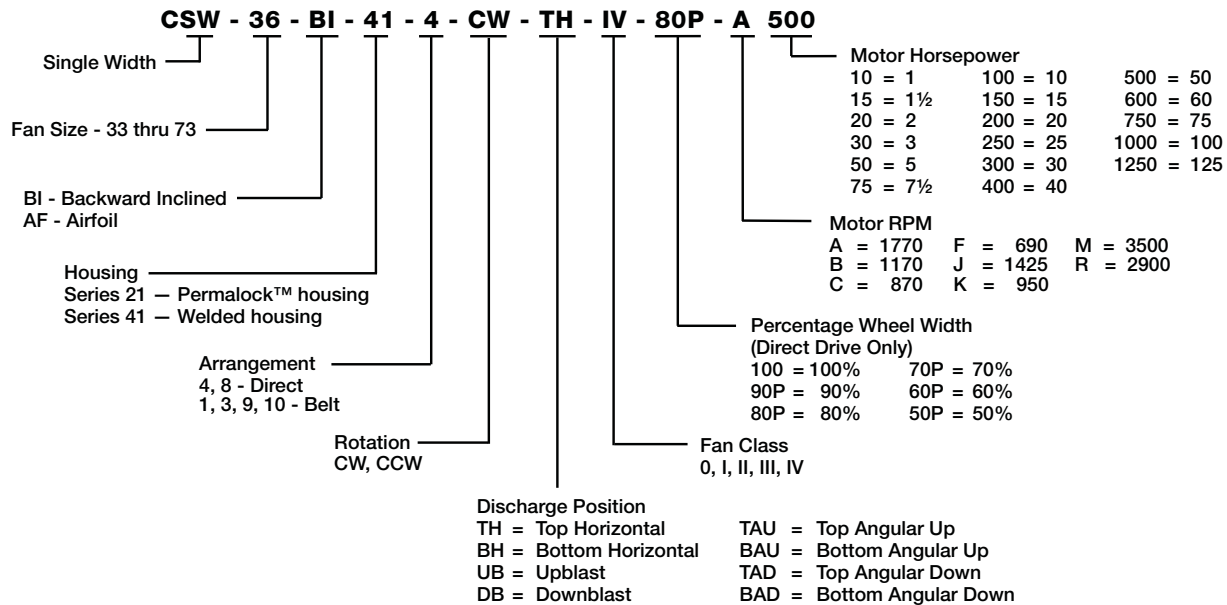
Sound Power [dB Ref 10⁻¹² watts]

		Inlet Sound Power, L_{wi}									
RPM	%WOV	1	2	3	4	5	6	7	8	L_{wiA}	
180	100	82	77	74	70	61	54	50	46	71	
	80	81	75	73	69	61	54	50	48	70	
	60	78	74	72	69	61	54	50	47	69	
	50	78	73	72	69	62	55	50	47	70	
	40	78	73	72	69	62	54	50	47	70	
250	100	91	85	81	78	70	62	58	54	79	
	80	88	82	78	74	68	60	55	51	76	
	60	86	80	77	75	69	63	57	52	76	
	50	85	78	77	75	69	63	58	53	76	
	40	85	78	76	75	69	63	58	53	75	
350	100	102	92	88	87	81	72	67	64	87	
	80	102	89	83	82	76	70	65	61	84	
	60	101	86	81	81	77	73	68	64	83	
	50	98	85	81	81	77	74	70	66	83	
	40	100	89	82	81	77	73	70	67	84	
500	100	108	101	96	96	94	84	78	74	98	
	80	107	99	91	90	87	80	76	73	93	
	60	105	96	88	88	85	82	80	76	91	
	50	104	95	88	88	85	83	81	77	91	
	40	103	95	87	88	85	84	81	78	91	
650	100	114	111	101	101	101	94	87	81	104	
	80	114	110	98	96	95	89	83	79	100	
	60	112	107	95	93	92	90	87	83	98	
	50	110	105	93	93	92	90	88	85	98	
	40	111	105	93	92	91	91	88	85	98	
892	100	119	125	111	107	108	105	96	91	114	
	80	117	125	109	103	102	99	92	88	111	
	60	115	122	106	100	99	98	95	92	109	
	50	115	121	104	99	99	98	96	93	108	
	40	115	121	104	99	99	98	97	94	108	

		Outlet Sound Power, L_{wo}									
RPM	%WOV	1	2	3	4	5	6	7	8	L_{woA}	
180	100	90	84	77	71	63	55	51	49	74	
	80	89	83	75	70	63	54	50	48	73	
	60	89	83	75	71	64	56	52	49	74	
	50	87	82	75	72	65	56	52	50	73	
	40	87	82	75	72	64	57	53	50	73	
250	100	93	85	82	79	70	63	57	51	79	
	80	91	83	79	75	68	62	55	49	77	
	60	89	81	77	74	68	63	58	52	75	
	50	89	81	76	74	68	63	59	53	75	
	40	89	81	76	74	67	63	59	55	75	
350	100	105	94	90	90	83	75	70	66	90	
	80	103	92	86	85	79	72	67	62	86	
	60	102	90	84	82	77	72	69	66	84	
	50	101	89	83	81	76	72	69	66	84	
	40	100	88	83	81	76	72	69	66	83	
500	100	112	103	99	99	96	87	81	76	100	
	80	109	100	95	93	90	83	78	74	95	
	60	107	98	93	90	87	82	79	76	93	
	50	107	98	92	89	86	82	79	77	92	
	40	107	97	91	89	85	82	79	77	92	
650	100	115	112	105	104	102	97	90	83	107	
	80	115	110	103	99	98	92	86	81	103	
	60	111	107	100	96	94	90	87	84	100	
	50	109	106	99	95	92	90	87	84	99	
	40	109	105	98	94	91	90	87	84	98	
892	100	122	123	114	111	110	107	100	93	115	
	80	120	123	111	108	105	102	96	91	112	
	60	117	120	109	105	101	99	95	92	109	
	50	115	117	108	103	100	98	95	92	108	
	40	115	117	107	102	99	97	95	93	107	

The sound power level ratings shown are in decibels, referred to 10⁻¹² watts calculated per AMCA Standard 301. The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. Values shown are for inlet L_{wi} , and outlet L_{wo} , L_{woA} sound power levels for installation type B: free inlet, ducted outlet. Outlet ratings include the effects of duct end correction. The AMCA Certified Ratings Seal for Sound applies to inlet L_{wiA} and outlet L_{woA} ratings only.

Model Number Code



Our Commitment

As a result of our commitment to continuous improvement, Greenheck reserves the right to change specifications without notice.

Specific Greenheck product warranties are located on greenheck.com within the product area tabs and in the Library under Warranties.



Prepared to Support
Green Building Efforts

