

Twin City Fan & Blower

SOUND POWER LEVELS

PLENUM FANS

Models EPFN, EPF, EPQN, EPQ, ECLFN, ECLQN, EPLFN and EPLQN



Twin City Fan & Blower certifies that the Type EPFN, EPF, EPQN, EPQ, ECLFN, ECLQN, EPLFN and EPLQN Plenum 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 AMCA Publication 311 and comply with the requirements of the AMCA Certified Ratings Program.

Air performance ratings for models EPFN, EPF, EPQN and EPQ can be found in Catalog 470.

Air performance ratings for models EPLFN and EPLQN can be found in Catalog 455.

Air performance ratings for models ECLFN and ECLQN can be found in Catalog 456.

These sound power levels have been determined by laboratory tests in accordance with AMCA Standard 300-96. The sound power levels shown are decibel (dB) levels referred to 10⁻¹² watts calculated per AMCA Standard 301. We have listed inlet and outlet values for eight octave bands with frequency ranges as shown below.

OCTAVE BAND	1	2	3	4	5	6	7	8
FREQUENCY CENTER	45 to 90	90 to 180	180 to 355	355 to 710	710 to 1400	1400 to 2800	2800 to 5600	5600 to 11200
CENTER FREQUENCY	63	125	250	500	1000	2000	4000	8000

Sound power levels (SPL) for the fans can be easily obtained using the Twin City Fan Selector Program. The SPL can also be obtained using the specific sound power level method described below:

**Sound Power Level of a fan =
Specific Sound Power Level (L_{wk}) + Capacity Fraction (M)**

Use of this method will be illustrated by the following example using EPFN performance:

Calculate inlet sound power levels for:
 Size 365 EPFN
 CFM 20,910
 SP 3.14" w.g.
 RPM 1000 RPM

1. How to determine L_{wk}

We have published values for L_{wk} at various speeds and operating points on pages 3 through 5 for both the inlet and outlet of the fan.

The operating point is found by using a ratio of design CFM to the wide open volume (WOV) for a given RPM. The WOV can be calculated by multiplying fan RPM by the factors (Rf) shown in the table. Thus, WOV for 1000 RPM = 29.87 x 1000 = 29,870 CFM.

SIZE	Rf FACTOR								SIZE	Rf FACTOR					
	EPFN	EPF	EPQN	EPQ	EPLFN	EPLQN	ECLFN	ECLQN		EPFN	EPF	EPQN	EPQ	EPLFN	EPLQN
122	0.957	0.996	0.891	0.893	0.973	0.942	NA	NA	365	29.87	29.60	29.36	27.93	29.87	29.36
150	1.757	1.829	1.636	1.640	1.407	1.362	NA	NA	402	40.05	39.70	39.37	37.45	40.05	39.37
165	2.339	2.434	2.177	2.182	2.004	1.940	2.339	2.177	445	54.12	53.65	53.21	50.61	54.12	53.21
182	3.790	3.560	3.526	3.419	3.790	3.526	3.790	3.526	490	72.26	71.62	71.04	67.57	72.26	71.04
200	4.988	4.685	4.641	4.500	4.988	4.641	4.988	4.641	542	98.06	97.20	96.41	91.70	N/A	N/A
222	7.044	6.812	6.499	6.390	7.044	6.499	7.044	6.499	600	132.67	131.50	130.42	124.06	N/A	N/A
245	9.167	8.739	8.839	8.534	9.167	8.839	9.167	8.839	660	176.58	175.02	173.60	165.12	N/A	N/A
270	12.19	11.76	11.67	11.29	12.19	11.67	12.19	11.67	730	238.94	236.82	234.90	223.43	N/A	N/A
300	16.77	16.26	16.23	15.72	16.77	16.23	NA	NA	807	323.40	320.54	317.93	302.42	N/A	N/A
330	22.32	21.64	21.60	20.92	22.32	21.60	NA	NA	890	433.00	429.17	425.67	404.90	N/A	N/A

Note: Rf factor for models ECLFN and ECLQN, Sizes 365-890 is not available.

Therefore, the operating point falls at 70% WOV (20,910 ÷ 29,870 x 100%). Referring to the table on page 5 for Size EPFN 365, the **specific** sound power levels can be read as follows:

L _{wk} inlet	=	36	42	35	27	28	22	15	10
L _{wk} outlet	=	35	39	36	33	33	28	21	15

2. How to determine M

The value of M can be taken from the table on page 6, or M can be calculated by:
 M = 10 log₁₀ (CFM) + 20 log₁₀ TP. For plenum fans, use SP for TP.

Thus, for 20,910 CFM and 3.14" SP, M is 53.

3. Combining L_{wk} and M gives sound power levels.

Octave Band	1	2	3	4	5	6	7	8
L _{wk} =	36	42	35	27	28	22	15	10
M =	<u>53</u>	<u>53</u>	<u>53</u>	<u>53</u>	<u>53</u>	<u>53</u>	<u>53</u>	<u>53</u>
SPL at inlet =	89	95	88	80	81	75	68	63
L _{wk} =	35	39	36	33	33	28	21	15
M =	<u>53</u>	<u>53</u>	<u>53</u>	<u>53</u>	<u>53</u>	<u>53</u>	<u>53</u>	<u>53</u>
SPL at outlet =	88	92	89	86	86	81	74	68

**Inlet Lwk Values — EPFN 122A-165A
ECLFN 165
EPLFN 122-165**

RPM	% WOY	OCTAVE BAND							
		1	2	3	4	5	6	7	8
4000	90	52	42	44	53	49	43	42	41
	80	48	38	39	48	44	37	35	36
	70	45	35	35	44	40	32	30	32
	60	43	34	32	41	37	29	27	29
	50	43	34	32	41	37	29	27	29
3500	90	52	40	45	53	46	42	42	41
	80	48	36	40	48	41	36	35	36
	70	45	33	36	44	37	31	30	32
	60	43	32	33	41	34	28	27	29
	50	43	32	33	41	34	28	27	29
3000	90	48	42	49	53	45	43	43	42
	80	44	37	44	48	40	36	36	37
	70	42	34	40	44	35	32	32	33
	60	41	33	37	41	33	28	29	30
	50	41	33	37	41	33	28	29	30
2500	90	44	46	53	53	45	43	44	44
	80	40	41	47	47	39	38	38	38
	70	38	38	43	43	35	33	34	33
	60	40	37	40	40	32	30	31	28
	50	40	37	40	40	32	30	31	28
2000	90	44	50	54	50	44	44	46	46
	80	39	45	48	44	38	39	40	39
	70	37	41	43	40	34	35	35	32
	60	40	40	41	37	31	32	32	25
	50	40	40	41	37	31	32	32	25
1500	90	46	53	54	47	44	45	46	47
	80	41	47	48	42	38	39	40	38
	70	39	43	43	37	34	35	34	30
	60	40	41	41	34	32	32	29	23
	50	40	41	41	34	32	32	29	23
1000	90	50	54	50	44	44	46	46	47
	80	45	48	44	38	39	40	39	38
	70	41	43	40	34	35	35	32	28
	60	40	41	37	31	32	32	25	19
	50	40	41	37	31	32	32	25	19

**Inlet Lwk Values — EPFN 182-200
ECLFN 182-200
EPLFN 182-200**

RPM	% WOY	OCTAVE BAND							
		1	2	3	4	5	6	7	8
4000	90	46	46	48	56	50	43	42	40
	80	36	36	38	47	42	34	33	30
	70	35	35	37	46	40	33	31	28
	60	32	32	34	43	36	28	26	23
	50	32	32	34	43	36	28	26	23
3500	90	46	46	50	56	47	42	42	39
	80	36	36	41	47	39	33	32	28
	70	35	35	39	46	38	32	30	26
	60	32	32	37	43	33	27	26	22
	50	32	32	37	43	33	27	26	22
3000	90	46	46	53	56	45	42	42	38
	80	36	36	44	47	37	33	32	27
	70	35	35	42	46	36	32	30	25
	60	32	32	40	43	31	27	25	21
	50	32	32	40	43	31	27	25	21
2500	90	46	46	56	54	44	42	41	36
	80	36	36	47	45	36	33	31	24
	70	35	35	46	44	34	31	30	23
	60	32	32	43	41	29	26	25	20
	50	32	32	43	41	29	26	25	20
2000	90	45	47	56	51	44	43	40	32
	80	36	39	48	43	35	34	30	22
	70	35	37	47	41	34	32	28	20
	60	31	33	43	36	28	27	24	18
	50	31	33	43	36	28	27	24	18
1500	90	44	54	58	49	46	43	36	27
	80	37	46	50	40	37	34	27	19
	70	35	45	49	38	35	32	25	18
	60	28	39	44	31	28	28	22	17
	50	28	39	44	31	28	28	22	17
1000	90	47	58	53	47	45	39	31	22
	80	40	50	44	38	36	30	23	15
	70	38	49	43	36	34	29	21	14
	60	32	44	36	29	28	26	19	14
	50	32	44	36	29	28	26	19	14

NOTES:

- Values shown are for inlet L_{wi} or outlet L_{wo} sound power levels for Installation Type A: free inlet, free outlet.
- Ratings do not include the effects of duct end correction.

**Outlet Lwk Values — EPFN 122A-165A
ECLFN 165
EPLFN 122-165**

RPM	% WOY	OCTAVE BAND							
		1	2	3	4	5	6	7	8
4000	90	62	52	50	58	55	51	49	46
	80	54	44	42	50	48	43	40	36
	70	49	39	37	45	43	37	33	29
	60	46	36	35	43	40	34	29	25
	50	46	36	35	43	40	34	29	25
3500	90	62	50	50	58	53	51	48	46
	80	54	42	43	50	45	43	39	36
	70	49	36	38	45	40	37	33	29
	60	46	34	36	43	37	33	28	24
	50	46	34	36	43	37	33	28	24
3000	90	58	50	53	57	52	50	48	45
	80	51	42	45	50	44	42	39	36
	70	45	37	41	45	39	36	33	29
	60	43	34	39	42	36	33	29	25
	50	43	34	39	42	36	33	29	25
2500	90	54	51	56	57	51	49	48	47
	80	47	44	49	50	43	41	39	37
	70	42	39	44	45	38	36	33	30
	60	39	37	41	41	36	33	30	26
	50	39	37	41	41	36	33	30	26
2000	90	52	52	56	54	49	50	47	49
	80	45	45	49	47	41	42	39	39
	70	40	41	44	42	37	36	34	32
	60	38	39	41	39	36	34	31	28
	50	38	39	41	39	36	34	31	28
1500	90	52	54	56	51	49	50	47	53
	80	45	47	49	43	40	42	39	42
	70	41	43	44	39	36	37	34	33
	60	38	40	40	37	36	34	31	27
	50	38	40	40	37	36	34	31	27
1000	90	53	56	54	49	50	48	51	57
	80	46	49	47	41	42	40	41	44
	70	42	44	42	37	37	35	34	33
	60	40	40	39	37	35	33	29	25
	50	40	40	39	37	35	33	29	25

**Outlet Lwk Values — EPFN 182-200
ECLFN 182-200
EPLFN 182-200**

RPM	% WOY	OCTAVE BAND							
		1	2	3	4	5	6	7	8
4000	90	43	43	46	57	53	50	49	46
	80	36	36	38	49	45	42	39	34
	70	35	35	37	47	44	40	37	32
	60	33	33	35	43	39	35	31	27
	50	33	33	35	43	39	35	31	27
3500	90	43	43	49	57	51	50	48	44
	80	36	36	41	49	44	42	38	32
	70	35	35	40	47	42	40	36	30
	60	33	33	37	43	37	34	31	25
	50	33	33	37	43	37	34	31	25
3000	90	43	43	53	57	50	50	48	43
	80	36	36	45	49	43	41	37	31
	70	35	35	43	47	41	39	35	28
	60	33	33	40	43	36	33	30	24
	50	33	33	40	43	36	33	30	24
2500	90	43	43	57	56	50	49	47	41
	80	36	36	49	47	42	40	36	28
	70	35	35	47	46	41	38	34	26
	60	33	33	43	42	35	33	29	22
	50	33	33	43	42	35	33	29	22
2000	90	44	47	57	53	51	49	45	38
	80	37	39	49	46	42	39	34	26
	70	36	38	47	44	41	37	32	24
	60	34	36	43	39	35	32	27	19
	50	34	36	43	39	35	32	27	19
1500	90	48	54	57	53	52	48	40	32
	80	41	47	49	45	43	38	31	23
	70	40	46	48	43	41	36	29	21
	60	38	42	44	35	34	31	24	17
	50	38	42	44	35	34	31	24	17
1000	90	50	57	55	53	50	44	36	27
	80	43	49	47	44	41	34	26	19
	70	42	48	45	42	39	32	24	17
	60	39	44	39	35	33	28	20	13
	50	39	44	39	35	33	28	20	13

- The sound power level ratings shown are in decibels, referred to as 10^{-12} watts, calculated per AMCA International Standard 301.

Inlet Lwk Values — EPFN 222
ECLFN 222
EPLFN 222

RPM	% WOV	OCTAVE BAND							
		1	2	3	4	5	6	7	8
3000	90	36	37	48	52	41	40	40	35
	80	29	29	40	45	31	29	28	23
	70	28	28	39	44	30	27	25	21
	60	27	27	37	42	26	22	18	16
	50	27	27	37	42	26	22	18	16
2500	90	36	37	52	50	41	40	40	33
	80	29	29	45	42	31	29	27	21
	70	28	28	44	41	29	27	24	19
	60	27	27	42	39	25	21	17	16
	50	27	27	42	39	25	21	17	16
2000	90	37	41	51	47	40	40	39	31
	80	30	33	44	38	30	29	26	20
	70	30	32	43	36	29	27	23	18
	60	28	31	41	33	25	21	18	15
	50	28	31	41	33	25	21	18	15
1500	90	41	44	50	47	40	39	35	28
	80	35	38	43	38	31	29	25	18
	70	34	37	41	37	29	27	24	17
	60	33	36	39	33	26	23	19	15
	50	33	36	39	33	26	23	19	15
1000	90	43	46	50	42	38	37	32	24
	80	37	39	42	34	30	29	22	14
	70	36	38	40	33	28	27	21	13
	60	35	36	37	29	25	22	17	14
	50	35	36	37	29	25	22	17	14
500	90	46	50	42	38	37	32	24	16
	80	39	42	34	30	29	22	14	5
	70	38	40	33	28	27	21	13	4
	60	36	37	29	25	22	17	14	10
	50	36	37	29	25	22	17	14	10

Outlet Lwk Values — EPFN 222
ECLFN 222
EPLFN 222

RPM	% WOV	OCTAVE BAND							
		1	2	3	4	5	6	7	8
3000	90	41	41	51	56	48	47	46	42
	80	35	35	42	45	40	36	34	31
	70	34	34	40	43	38	34	31	29
	60	33	33	38	40	34	29	26	24
	50	33	33	38	40	34	29	26	24
2500	90	41	41	56	54	48	46	46	40
	80	35	35	45	44	39	36	33	29
	70	34	34	43	42	37	34	31	28
	60	33	33	40	39	33	28	25	23
	50	33	33	40	39	33	28	25	23
2000	90	41	44	54	51	47	46	45	38
	80	35	36	44	42	38	35	32	28
	70	34	35	43	41	36	33	30	27
	60	33	34	40	37	32	27	25	22
	50	33	34	40	37	32	27	25	22
1500	90	42	46	51	50	45	44	42	37
	80	35	39	44	43	37	35	33	27
	70	34	38	43	42	35	33	31	24
	60	32	36	40	38	31	29	25	19
	50	32	36	40	38	31	29	25	19
1000	90	43	47	51	46	44	43	39	34
	80	36	41	44	39	36	34	30	22
	70	35	40	43	38	34	32	28	19
	60	33	38	40	34	31	28	22	13
	50	33	38	40	34	31	28	22	13
500	90	47	51	46	44	43	39	34	29
	80	41	44	39	36	34	30	22	13
	70	40	43	38	34	32	28	19	10
	60	38	40	34	31	28	22	13	4
	50	38	40	34	31	28	22	13	4

Inlet Lwk Values — EPFN 245
ECLFN 245
EPLFN 245

RPM	% WOV	OCTAVE BAND							
		1	2	3	4	5	6	7	8
3000	90	38	39	51	56	40	40	40	37
	80	30	30	42	47	31	30	30	27
	70	29	29	41	46	29	28	28	25
	60	27	27	38	43	26	24	23	20
	50	27	27	38	43	26	24	23	20
2500	90	38	39	56	53	40	40	40	35
	80	30	30	47	44	31	30	29	26
	70	29	29	46	43	29	28	27	24
	60	27	27	43	40	26	24	23	18
	50	27	27	43	40	26	24	23	18
2000	90	38	42	56	47	40	41	39	33
	80	30	34	47	38	30	30	29	24
	70	29	32	46	36	28	28	27	22
	60	27	30	43	33	25	24	22	16
	50	27	30	43	33	25	24	22	16
1500	90	40	51	56	41	41	41	38	30
	80	32	43	47	32	31	31	28	21
	70	31	41	46	31	29	29	26	19
	60	29	38	42	27	25	25	20	14
	50	29	38	42	27	25	25	20	14
1000	90	45	56	48	42	44	41	34	24
	80	38	47	40	33	36	32	24	17
	70	37	45	38	31	34	30	22	16
	60	35	41	34	26	28	24	17	14
	50	35	41	34	26	28	24	17	14
500	90	56	48	42	44	41	34	24	13
	80	47	40	33	36	32	24	17	10
	70	45	38	31	34	30	22	16	10
	60	41	34	26	28	24	17	14	13
	50	41	34	26	28	24	17	14	13

Outlet Lwk Values — EPFN 245
ECLFN 245
EPLFN 245

RPM	% WOV	OCTAVE BAND							
		1	2	3	4	5	6	7	8
3000	90	46	46	51	53	51	47	46	42
	80	38	38	42	43	43	38	34	31
	70	37	37	40	42	41	36	32	29
	60	34	34	37	38	34	31	28	24
	50	34	34	37	38	34	31	28	24
2500	90	46	46	53	52	50	47	45	40
	80	38	38	43	43	41	36	34	31
	70	37	37	42	42	39	35	32	29
	60	34	34	38	37	33	30	27	23
	50	34	34	38	37	33	30	27	23
2000	90	46	48	53	52	48	46	44	38
	80	38	39	43	43	39	35	33	30
	70	37	38	42	41	38	33	31	28
	60	34	35	38	36	32	29	26	21
	50	34	35	38	36	32	29	26	21
1500	90	47	51	54	50	47	46	43	36
	80	39	43	45	42	38	35	32	28
	70	38	42	43	40	37	34	30	26
	60	36	39	40	34	31	29	25	18
	50	36	39	40	34	31	29	25	18
1000	90	49	56	52	47	48	47	40	29
	80	42	49	44	40	41	36	28	20
	70	41	48	42	39	39	34	26	18
	60	43	44	38	33	32	29	21	15
	50	43	44	38	33	32	29	21	15
500	90	56	52	47	48	47	40	29	17
	80	49	44	40	41	36	28	20	10
	70	48	42	39	39	34	26	18	9
	60	44	38	33	32	29	21	15	8
	50	44	38	33	32	29	21	15	8

NOTES:

- 1. Values shown are for inlet L_{wi} or outlet L_{wo} sound power levels for Installation Type A: free inlet, free outlet.
- 2. Ratings do not include the effects of duct end correction.

- 3. The sound power level ratings shown are in decibels, referred to as 10^{-12} watts, calculated per AMCA International Standard 301.

**Inlet Lwk Values — EPFN 270
ECLFN 270
EPLFN 270**

RPM	% WOV	OCTAVE BAND							
		1	2	3	4	5	6	7	8
2500	90	35	37	53	50	38	38	36	32
	80	27	29	48	45	30	27	24	21
	70	25	28	47	43	29	25	21	19
	60	24	26	43	39	24	20	15	13
	50	24	26	43	39	24	20	15	13
2000	90	35	41	53	44	39	38	35	30
	80	27	33	48	38	30	26	23	20
	70	25	32	47	36	28	23	21	18
	60	24	29	43	32	24	18	14	12
	50	24	29	43	32	24	18	14	12
1500	90	36	49	55	38	37	36	33	27
	80	29	43	49	31	28	25	22	18
	70	27	41	48	29	26	23	20	16
	60	25	38	43	25	21	18	14	11
	50	25	38	43	25	21	18	14	11
1000	90	40	58	47	35	35	33	29	23
	80	33	50	40	28	27	25	20	14
	70	32	48	38	26	25	24	18	12
	60	28	44	33	21	21	19	13	9
	50	28	44	33	21	21	19	13	9
500	90	58	47	35	35	33	29	23	16
	80	50	40	28	27	25	20	14	7
	70	48	38	26	25	24	18	12	6
	60	44	33	21	21	19	13	9	5
	50	44	33	21	21	19	13	9	5

**Outlet Lwk Values — EPFN 270
ECLFN 270
EPLFN 270**

RPM	% WOV	OCTAVE BAND							
		1	2	3	4	5	6	7	8
2500	90	42	42	53	53	49	45	42	37
	80	36	36	45	44	41	34	30	25
	70	35	35	43	43	39	32	28	23
	60	32	33	41	40	34	27	23	18
	50	32	33	41	40	34	27	23	18
2000	90	42	44	53	52	48	44	41	35
	80	36	37	45	43	39	32	28	23
	70	35	36	43	42	37	30	26	21
	60	32	35	41	38	32	25	21	16
	50	32	35	41	38	32	25	21	16
1500	90	41	49	53	50	45	42	39	32
	80	35	41	44	41	36	31	27	22
	70	34	40	43	39	34	29	25	20
	60	32	38	41	34	29	24	20	15
	50	32	38	41	34	29	24	20	15
1000	90	43	51	49	45	42	39	36	28
	80	35	43	40	35	32	30	27	18
	70	34	42	39	34	31	28	25	17
	60	31	39	35	30	27	24	20	14
	50	31	39	35	30	27	24	20	14
500	90	51	49	45	42	39	36	28	20
	80	43	40	35	32	30	27	18	9
	70	42	39	34	31	28	25	17	7
	60	39	35	30	27	24	20	14	7
	50	39	35	30	27	24	20	14	7

**Inlet Lwk Values — EPFN 300-330
~~ECLFN 300-330~~
EPLFN 300-330**

RPM	% WOV	OCTAVE BAND							
		1	2	3	4	5	6	7	8
2500	90	40	41	47	57	51	40	38	34
	80	32	34	40	50	43	33	30	22
	70	31	32	39	48	41	31	28	20
	60	28	30	39	42	36	24	21	15
	50	28	30	39	42	36	24	21	15
2000	90	40	43	51	57	45	39	37	31
	80	32	35	44	50	37	32	28	20
	70	31	34	42	48	35	30	26	18
	60	28	32	40	42	30	22	20	13
	50	28	32	40	42	30	22	20	13
1500	90	41	45	56	56	41	39	35	27
	80	33	38	49	48	33	31	24	17
	70	32	37	47	46	31	29	22	16
	60	29	36	41	40	25	22	17	11
	50	29	36	41	40	25	22	17	11
1000	90	41	54	53	42	40	38	31	22
	80	34	45	45	34	33	30	23	14
	70	33	44	43	33	31	29	21	13
	60	29	42	38	29	27	24	15	8
	50	29	42	38	29	27	24	15	8
500	90	56	51	40	40	38	32	23	12
	80	47	42	33	33	31	24	15	6
	70	45	40	32	32	30	23	13	5
	60	43	36	29	30	27	16	9	4
	50	43	36	29	30	27	16	9	4

**Outlet Lwk Values — EPFN 300-330
~~ECLFN 300-330~~
EPLFN 300-330**

RPM	% WOV	OCTAVE BAND							
		1	2	3	4	5	6	7	8
2500	90	41	41	44	57	53	47	44	39
	80	34	34	36	49	45	39	36	28
	70	33	33	35	47	44	37	34	26
	60	32	33	37	43	39	31	29	21
	50	32	33	37	43	39	31	29	21
2000	90	41	42	49	57	50	46	43	35
	80	34	34	41	49	42	38	34	24
	70	33	33	40	47	40	36	32	23
	60	32	34	39	43	35	30	28	18
	50	32	34	39	43	35	30	28	18
1500	90	41	43	55	56	48	45	40	30
	80	34	35	48	48	39	37	30	20
	70	33	34	46	47	38	35	28	19
	60	32	35	43	42	32	30	23	15
	50	32	35	43	42	32	30	23	15
1000	90	43	54	53	48	47	45	36	26
	80	36	46	45	40	40	37	27	17
	70	35	44	44	39	38	35	25	16
	60	33	42	40	35	34	31	21	13
	50	33	42	40	35	34	31	21	13
500	90	57	52	47	48	46	37	27	16
	80	48	44	39	41	39	28	18	9
	70	47	42	38	39	37	26	17	8
	60	43	38	35	36	33	22	14	7
	50	43	38	35	36	33	22	14	7

NOTES:

1. Values shown are for inlet L_{wi} or outlet L_{wo} sound power levels for Installation Type A: free inlet, free outlet.
2. Ratings do not include the effects of duct end correction.

3. The sound power level ratings shown are in decibels, referred to as 10^{-12} watts, calculated per AMCA International Standard 301.

**Inlet Lwk Values — EPFN 365–890
EPLFN 365–490**

RPM	% WOV	OCTAVE BAND							
		1	2	3	4	5	6	7	8
2000	90	36	38	49	41	34	36	36	30
	80	36	37	43	35	28	30	24	17
	70	36	37	42	33	26	28	22	15
	60	35	35	40	28	20	20	15	11
	50	35	35	40	28	20	20	15	11
1750	90	36	41	49	38	34	36	35	28
	80	36	39	43	31	27	29	23	15
	70	36	38	42	30	26	27	21	13
	60	35	36	40	23	20	19	14	11
	50	35	36	40	23	20	19	14	11
1500	90	36	45	49	36	34	36	34	26
	80	36	41	43	29	28	28	21	14
	70	36	40	42	27	27	26	19	12
	60	34	38	40	20	20	18	13	11
	50	34	38	40	20	20	18	13	11
1250	90	36	49	46	35	35	36	34	23
	80	36	43	40	28	29	27	19	13
	70	35	42	39	27	27	24	17	11
	60	34	40	36	20	20	17	12	10
	50	34	40	36	20	20	17	12	10
1000	90	38	48	42	35	36	36	30	19
	80	36	43	36	28	30	25	17	12
	70	36	42	35	27	28	22	15	10
	60	35	39	30	21	20	16	11	10
	50	35	39	30	21	20	16	11	10
750	90	43	47	44	36	37	32	24	17
	80	38	42	38	29	27	23	14	10
	70	37	41	37	27	25	21	13	9
	60	36	38	32	25	21	15	9	8
	50	36	38	32	25	21	15	9	8
500	90	45	46	39	37	35	27	20	14
	80	40	41	32	27	26	18	12	7
	70	39	40	31	25	24	17	10	7
	60	37	37	29	23	18	12	8	7
	50	37	37	29	23	18	12	8	7
250	90	46	39	37	35	27	20	14	8
	80	41	32	27	26	18	12	7	4
	70	40	31	25	24	17	10	7	3
	60	37	29	23	18	12	8	7	6
	50	37	29	23	18	12	8	7	6

**Outlet Lwk Values — EPFN 365–890
EPLFN 365–490**

RPM	% WOV	OCTAVE BAND							
		1	2	3	4	5	6	7	8
2000	90	42	45	54	50	46	43	42	34
	80	34	36	42	38	36	35	29	22
	70	33	35	40	37	34	33	27	20
	60	32	34	38	33	28	25	21	16
	50	32	34	38	33	28	25	21	16
1750	90	42	48	54	49	45	43	41	32
	80	34	37	42	37	36	34	28	21
	70	33	36	40	35	34	32	26	19
	60	33	35	38	31	28	24	20	16
	50	33	35	38	31	28	24	20	16
1500	90	42	51	54	47	45	43	39	30
	80	34	39	42	36	35	33	26	19
	70	33	38	40	34	34	31	24	18
	60	33	36	38	30	27	23	19	15
	50	33	36	38	30	27	23	19	15
1250	90	43	54	53	47	44	43	37	28
	80	34	42	41	36	35	32	24	18
	70	33	40	39	34	33	29	22	16
	60	33	38	36	29	26	22	18	14
	50	33	38	36	29	26	22	18	14
1000	90	45	54	51	46	43	42	34	25
	80	36	41	38	35	35	30	23	16
	70	35	39	36	33	33	28	21	15
	60	34	37	33	28	26	22	17	12
	50	34	37	33	28	26	22	17	12
750	90	50	53	51	44	44	38	32	23
	80	38	38	36	34	33	28	21	15
	70	36	36	34	32	31	27	20	14
	60	36	34	31	29	28	23	15	11
	50	36	34	31	29	28	23	15	11
500	90	52	52	45	44	42	34	27	19
	80	37	37	34	33	32	25	18	12
	70	36	35	32	32	30	23	17	11
	60	34	32	30	29	28	19	13	9
	50	34	32	30	29	28	19	13	9
250	90	52	45	44	42	34	27	19	11
	80	37	34	33	32	25	18	12	5
	70	35	32	32	30	23	17	11	4
	60	32	30	29	28	19	13	9	4
	50	32	30	29	28	19	13	9	4

NOTES:

1. Values shown are for inlet L_{wi} or outlet L_{wo} sound power levels for Installation Type A: free inlet, free outlet.
2. Ratings do not include the effects of duct end correction.

3. The sound power level ratings shown are in decibels, referred to as 10^{-12} watts, calculated per AMCA International Standard 301.

Inlet L_{WK} Values — EPF 122A-165A

RPM	% WOV	OCTAVE BAND							
		1	2	3	4	5	6	7	8
4000	90	51	48	49	61	55	46	43	41
	80	48	43	43	54	49	39	36	36
	70	45	39	39	49	45	34	31	32
	60	43	37	37	46	42	32	28	29
	50	43	37	37	46	42	32	28	29
3500	90	51	47	50	61	51	45	42	41
	80	48	41	44	54	45	38	36	36
	70	45	37	40	49	41	33	31	32
	60	43	35	37	46	38	30	28	29
	50	43	35	37	46	38	30	28	29
3000	90	50	48	55	60	49	45	43	42
	80	46	42	49	54	43	38	37	37
	70	43	38	44	49	39	34	32	33
	60	40	36	41	46	36	31	29	30
	50	40	36	41	46	36	31	29	30
2500	90	49	51	60	58	49	45	44	44
	80	44	45	53	52	42	39	38	38
	70	40	41	48	47	38	35	34	32
	60	37	39	45	44	35	32	31	28
	50	37	39	45	44	35	32	31	28
2000	90	49	54	60	54	47	45	45	46
	80	43	48	53	48	41	40	40	38
	70	39	44	48	43	37	36	35	31
	60	37	42	45	40	34	33	32	25
	50	37	42	45	40	34	33	32	25
1500	90	51	60	60	51	46	45	45	46
	80	45	52	53	45	40	40	39	37
	70	41	47	48	40	36	36	34	29
	60	39	45	45	38	34	33	29	23
	50	39	45	45	38	34	33	29	23
1000	90	54	60	54	47	45	45	46	46
	80	48	53	48	41	40	40	38	36
	70	44	48	43	37	36	35	31	27
	60	42	45	40	34	33	32	25	19
	50	42	45	40	34	33	32	25	19

Outlet L_{WK} Values — EPF 122A-165A

RPM	% WOV	OCTAVE BAND							
		1	2	3	4	5	6	7	8
4000	90	52	48	49	59	57	54	51	51
	80	50	44	43	52	50	47	44	46
	70	49	42	40	47	45	43	40	42
	60	47	41	39	44	42	40	38	38
	50	47	41	39	44	42	40	38	38
3500	90	52	47	49	59	55	54	50	51
	80	50	43	44	52	49	47	44	47
	70	49	40	40	47	44	43	40	43
	60	47	39	39	44	41	40	38	38
	50	47	39	39	44	41	40	38	38
3000	90	52	49	54	59	55	54	51	52
	80	48	43	48	52	48	47	46	48
	70	46	40	43	47	43	43	42	43
	60	45	39	42	44	40	41	39	37
	50	45	39	42	44	40	41	39	37
2500	90	53	51	58	58	55	55	53	52
	80	47	45	51	51	48	49	48	46
	70	43	41	47	46	43	45	44	40
	60	43	40	44	43	41	43	41	35
	50	43	40	44	43	41	43	41	35
2000	90	55	53	59	56	55	57	54	51
	80	47	46	52	49	48	51	48	43
	70	43	41	47	44	44	47	44	35
	60	43	40	45	41	42	46	40	29
	50	43	40	45	41	42	46	40	29
1500	90	54	59	59	56	56	56	53	50
	80	46	51	52	49	50	50	46	40
	70	42	47	47	44	46	46	40	32
	60	41	44	45	41	44	44	36	25
	50	41	44	45	41	44	44	36	25
1000	90	54	59	56	55	57	54	51	49
	80	46	52	49	48	51	48	43	37
	70	41	47	44	44	47	44	35	27
	60	40	45	41	42	46	40	29	18
	50	40	45	41	42	46	40	29	18

Inlet L_{WK} Values — EPF 182-200

RPM	% WOV	OCTAVE BAND							
		1	2	3	4	5	6	7	8
4000	90	43	43	44	53	49	43	41	38
	80	36	36	37	47	42	35	33	30
	70	34	34	36	46	40	34	31	28
	60	30	30	32	44	35	29	26	23
	50	30	30	32	44	35	29	26	23
3500	90	43	42	47	53	47	42	41	37
	80	36	36	40	47	40	34	32	28
	70	34	34	39	46	38	33	31	27
	60	30	30	36	44	32	29	25	22
	50	30	30	36	44	32	29	25	22
3000	90	43	42	50	53	46	42	40	35
	80	36	35	43	47	38	34	32	27
	70	34	34	42	46	36	32	30	25
	60	30	30	40	44	29	28	25	21
	50	30	30	40	44	29	28	25	21
2500	90	43	42	53	52	44	41	40	33
	80	36	35	47	45	37	33	31	25
	70	34	34	46	44	35	32	30	24
	60	30	30	44	41	29	27	24	20
	50	30	30	44	41	29	27	24	20
2000	90	43	45	54	50	44	42	38	31
	80	36	38	48	43	36	34	30	23
	70	35	37	47	41	34	32	28	21
	60	31	33	45	36	29	27	24	19
	50	31	33	45	36	29	27	24	19
1500	90	45	54	57	49	45	42	35	26
	80	37	47	51	40	37	34	27	19
	70	36	45	50	38	35	32	26	18
	60	31	40	45	32	29	28	23	17
	50	31	40	45	32	29	28	23	17
1000	90	48	57	52	46	44	38	30	21
	80	40	51	45	38	36	30	22	15
	70	39	50	43	36	34	29	21	14
	60	33	45	37	30	30	25	19	14
	50	33	45	37	30	30	25	19	14

Outlet L_{WK} Values — EPF 182-200

RPM	% WOV	OCTAVE BAND							
		1	2	3	4	5	6	7	8
4000	90	44	44	45	58	54	50	46	43
	80	38	38	38	49	45	42	38	34
	70	37	37	37	47	43	40	36	33
	60	35	35	35	45	40	36	31	26
	50	35	35	35	45	40	36	31	26
3500	90	44	44	49	58	52	50	46	42
	80	38	37	41	49	43	42	38	33
	70	37	36	40	47	42	40	36	31
	60	35	34	37	45	38	35	30	25
	50	35	34	37	45	38	35	30	25
3000	90	44	44	53	58	51	49	45	41
	80	38	37	44	49	42	41	37	32
	70	37	36	43	47	41	39	35	30
	60	35	34	41	45	36	34	29	23
	50	35	34	41	45	36	34	29	23
2500	90	44	43	58	56	51	48	45	39
	80	38	36	49	47	42	40	36	30
	70	37	35	47	46	40	38	34	28
	60	35	33	45	43	36	33	28	22
	50	35	33	45	43	36	33	28	22
2000	90	45	46	57	54	51	47	43	37
	80	39	39	49	45	42	38	34	27
	70	38	38	47	44	41	37	32	25
	60	36	36	44	40	36	32	26	20
	50	36	36	44	40	36	32	26	20
1500	90	48	54	56	52	50	47	40	31
	80	43	48	50	44	42	37	30	22
	70	42	46	48	42	41	35	28	21
	60	38	42	43	37	35	30	24	18
	50	38	42	43	37	35	30	24	18
1000	90	50	56	54	51	49	43	35	26
	80	44	50	46	43	40	33	26	18
	70	43	48	45	42	38	32	24	16
	60	40	43	39	36	32	26	20	14
	50	40	43	39	36	32	26	20	14

NOTES:

1. Values shown are for inlet L_{wi} or outlet L_{wo} sound power levels for Installation Type A: free inlet, free outlet.
2. Ratings do not include the effects of duct end correction.

3. The sound power level ratings shown are in decibels, referred to as 10⁻¹² watts, calculated per AMCA International Standard 301.

Inlet L_{wk} Values — EPF 222

RPM	% WOV	OCTAVE BAND							
		1	2	3	4	5	6	7	8
3000	90	46	46	53	56	47	43	41	37
	80	37	37	45	48	37	33	30	26
	70	36	36	44	47	36	31	28	23
	60	33	33	41	45	30	26	22	18
	50	33	33	41	45	30	26	22	18
2500	90	46	46	56	55	45	42	41	36
	80	37	37	48	46	36	33	29	24
	70	36	36	47	45	34	31	27	22
	60	33	33	45	42	29	25	20	18
	50	33	33	45	42	29	25	20	18
2000	90	46	48	56	51	44	42	40	33
	80	38	40	48	43	35	32	28	23
	70	36	38	46	41	33	30	26	21
	60	33	35	44	37	28	25	20	18
	50	33	35	44	37	28	25	20	18
1500	90	47	49	54	51	43	42	38	30
	80	40	42	46	43	34	31	28	20
	70	38	40	45	42	32	30	26	19
	60	33	38	42	38	28	25	20	16
	50	33	38	42	38	28	25	20	16
1000	90	47	50	54	45	42	41	33	25
	80	41	43	46	37	32	31	24	15
	70	39	41	45	36	31	29	22	13
	60	34	39	42	32	27	24	18	14
	50	34	39	42	32	27	24	18	14
500	90	50	54	45	42	41	33	25	18
	80	43	46	37	32	31	24	15	6
	70	41	45	36	31	29	22	13	5
	60	39	42	32	27	24	18	14	9
	50	39	42	32	27	24	18	14	9

Outlet L_{wk} Values — EPF 222

RPM	% WOV	OCTAVE BAND							
		1	2	3	4	5	6	7	8
3000	90	50	50	55	56	54	51	48	44
	80	40	40	45	47	44	41	37	32
	70	38	38	43	45	42	39	35	30
	60	37	37	41	43	37	32	26	23
	50	37	37	41	43	37	32	26	23
2500	90	50	50	56	56	53	50	48	43
	80	40	40	47	46	43	41	35	31
	70	38	38	45	45	41	38	33	29
	60	37	37	43	42	36	30	25	23
	50	37	37	43	42	36	30	25	23
2000	90	50	51	56	55	52	48	46	41
	80	40	41	46	46	42	40	34	30
	70	38	40	45	44	40	37	31	28
	60	37	38	42	40	35	28	25	22
	50	37	38	42	40	35	28	25	22
1500	90	50	51	56	55	49	46	43	38
	80	40	41	47	46	40	36	34	27
	70	39	40	46	44	38	34	32	25
	60	36	37	41	40	33	30	26	19
	50	36	37	41	40	33	30	26	19
1000	90	49	52	56	51	47	44	41	35
	80	40	43	48	42	37	35	31	22
	70	39	42	46	40	36	33	29	19
	60	36	38	41	35	32	28	22	13
	50	36	38	41	35	32	28	22	13
500	90	52	56	51	47	44	41	35	30
	80	43	48	42	37	35	31	22	13
	70	42	46	40	36	33	29	19	10
	60	38	41	35	32	28	22	13	5
	50	38	41	35	32	28	22	13	5

Inlet L_{wk} Values — EPF 245

RPM	% WOV	OCTAVE BAND							
		1	2	3	4	5	6	7	8
3000	90	44	45	53	57	44	42	40	37
	80	37	37	46	50	36	32	30	27
	70	35	36	45	49	34	30	28	25
	60	32	32	41	46	30	26	23	20
	50	32	32	41	46	30	26	23	20
2500	90	44	45	57	54	44	42	40	36
	80	37	37	50	47	35	32	29	26
	70	35	36	49	46	33	30	28	24
	60	32	32	46	43	29	25	23	19
	50	32	32	46	43	29	25	23	19
2000	90	44	47	57	49	43	41	39	34
	80	37	40	50	42	33	31	29	24
	70	35	38	49	40	32	29	27	22
	60	32	34	46	37	28	24	22	17
	50	32	34	46	37	28	24	22	17
1500	90	45	53	56	46	43	41	38	31
	80	37	45	49	38	33	32	28	22
	70	35	44	47	36	31	30	26	20
	60	31	41	45	32	27	25	21	15
	50	31	41	45	32	27	25	21	15
1000	90	47	54	52	44	43	41	34	24
	80	38	46	44	36	36	32	25	17
	70	36	45	42	34	34	30	22	16
	60	33	43	39	31	30	26	18	14
	50	33	43	39	31	30	26	18	14
500	90	54	52	44	43	41	34	24	13
	80	46	44	36	36	32	25	17	10
	70	45	42	34	34	30	22	16	10
	60	43	39	31	30	26	18	14	11
	50	43	39	31	30	26	18	14	11

Outlet L_{wk} Values — EPF 245

RPM	% WOV	OCTAVE BAND							
		1	2	3	4	5	6	7	8
3000	90	48	48	53	55	52	49	46	42
	80	43	42	46	48	44	40	35	32
	70	41	41	45	47	42	38	34	31
	60	37	37	40	42	36	32	29	26
	50	37	37	40	42	36	32	29	26
2500	90	48	48	55	55	52	48	45	41
	80	43	42	48	48	43	39	35	32
	70	41	41	47	46	41	37	33	30
	60	37	37	42	40	35	31	29	25
	50	37	37	42	40	35	31	29	25
2000	90	48	49	55	54	51	47	43	39
	80	43	44	48	46	42	37	34	31
	70	41	42	47	44	40	35	32	29
	60	37	38	42	39	34	30	28	23
	50	37	38	42	39	34	30	28	23
1500	90	49	53	55	52	49	46	43	37
	80	42	46	48	44	40	36	33	29
	70	41	45	47	42	39	35	31	27
	60	37	41	42	36	33	30	26	20
	50	37	41	42	36	33	30	26	20
1000	90	52	55	52	49	49	46	41	31
	80	42	49	45	41	40	37	31	21
	70	41	47	44	40	39	35	29	19
	60	38	45	40	35	34	30	22	15
	50	38	45	40	35	34	30	22	15
500	90	55	52	49	49	46	41	31	20
	80	49	45	41	40	37	31	21	10
	70	47	44	40	39	35	29	19	8
	60	45	40	35	34	30	22	15	8
	50	45	40	35	34	30	22	15	8

NOTES:

- Values shown are for inlet L_{wi} or outlet L_{wo} sound power levels for Installation Type A: free inlet, free outlet.
- Ratings do not include the effects of duct end correction.

- The sound power level ratings shown are in decibels, referred to as 10⁻¹² watts, calculated per AMCA International Standard 301.

Inlet L_{wk} Values — EPF 270

RPM	% WOV	OCTAVE BAND							
		1	2	3	4	5	6	7	8
2500	90	44	46	59	56	44	41	38	34
	80	35	35	51	48	35	30	26	22
	70	33	33	49	46	33	28	23	20
	60	31	31	48	45	31	25	20	17
	50	31	31	47	44	31	24	19	16
2000	90	44	48	59	50	43	40	37	33
	80	35	38	51	42	34	29	24	21
	70	33	36	49	40	32	27	22	19
	60	31	34	48	39	29	23	18	16
	50	31	34	47	39	29	22	18	15
1500	90	45	55	60	44	42	38	35	31
	80	35	46	52	36	31	27	24	19
	70	33	45	50	34	29	25	22	17
	60	30	42	48	31	26	21	18	14
	50	30	42	48	31	25	21	17	14
1000	90	47	62	51	42	39	36	32	26
	80	38	53	44	32	28	26	21	15
	70	36	52	42	30	27	24	19	13
	60	32	48	38	25	23	21	15	9
	50	32	48	38	25	23	21	15	9
500	90	62	51	42	39	36	32	26	20
	80	53	44	32	28	26	21	15	7
	70	52	42	30	27	24	19	13	6
	60	48	38	25	23	21	15	9	4
	50	48	38	25	23	21	15	9	4

Outlet L_{wk} Values — EPF 270

RPM	% WOV	OCTAVE BAND							
		1	2	3	4	5	6	7	8
2500	90	47	47	55	54	50	44	37	34
	80	40	40	48	48	43	36	30	26
	70	39	39	47	46	42	35	28	25
	60	35	35	43	42	36	30	24	20
	50	35	35	43	42	36	30	24	20
2000	90	47	49	55	53	49	41	36	32
	80	40	41	48	46	42	33	29	26
	70	39	40	47	45	40	32	27	24
	60	35	36	43	40	35	27	23	19
	50	35	36	43	40	35	27	23	19
1500	90	47	53	55	51	46	40	36	32
	80	39	45	47	44	39	32	28	25
	70	38	43	46	42	37	31	27	23
	60	34	40	43	37	32	26	22	18
	50	34	40	43	37	32	26	22	18
1000	90	48	56	53	49	45	41	39	32
	80	39	46	44	40	36	32	28	20
	70	37	44	42	38	34	31	27	18
	60	33	41	37	33	30	27	21	14
	50	33	41	37	33	30	27	21	14
500	90	56	53	49	45	41	39	32	25
	80	46	44	40	36	32	28	20	11
	70	44	42	38	34	31	27	18	9
	60	41	37	33	30	27	21	14	7
	50	41	37	33	30	27	21	14	7

Inlet L_{wk} Values — EPF 300–330

RPM	% WOV	OCTAVE BAND							
		1	2	3	4	5	6	7	8
2500	90	41	43	52	56	51	42	38	33
	80	33	37	44	49	43	33	30	23
	70	31	35	43	47	42	31	28	21
	60	27	31	42	46	39	25	22	17
	50	27	31	42	46	39	25	22	17
2000	90	41	45	54	56	46	41	37	30
	80	33	39	46	49	38	32	28	21
	70	31	38	45	47	36	30	26	19
	60	27	34	43	46	32	23	21	15
	50	27	34	43	46	32	23	21	15
1500	90	42	49	56	55	43	40	34	27
	80	35	42	48	47	34	30	25	19
	70	34	41	47	46	32	28	23	17
	60	29	39	45	44	27	22	18	12
	50	29	39	45	44	27	22	18	12
1000	90	45	54	54	45	41	38	32	24
	80	38	46	46	36	33	30	24	15
	70	37	45	44	35	31	29	22	14
	60	34	45	42	31	28	25	17	9
	50	34	45	42	31	28	25	17	9
500	90	55	52	43	40	38	34	24	13
	80	47	44	35	33	31	25	15	5
	70	46	43	34	32	30	24	14	4
	60	45	40	31	30	27	18	9	4
	50	45	40	31	30	27	18	9	4

Outlet L_{wk} Values — EPF 300–330

RPM	% WOV	OCTAVE BAND							
		1	2	3	4	5	6	7	8
2500	90	47	47	48	56	53	48	45	39
	80	39	39	41	51	47	40	36	28
	70	37	38	40	49	46	38	34	25
	60	32	34	38	44	40	32	29	21
	50	32	34	38	44	40	32	29	21
2000	90	47	47	51	56	51	47	43	36
	80	39	40	45	51	44	38	34	25
	70	37	38	44	49	42	36	32	23
	60	32	35	41	44	37	31	27	18
	50	32	35	41	44	37	31	27	18
1500	90	47	48	55	55	49	46	41	31
	80	39	41	50	50	41	37	30	21
	70	38	39	48	48	39	35	28	19
	60	33	37	44	43	33	29	23	15
	50	33	37	44	43	33	29	23	15
1000	90	46	54	53	49	48	44	37	27
	80	39	47	46	41	40	36	27	17
	70	37	46	45	40	38	34	25	16
	60	32	42	41	36	35	31	21	13
	50	32	42	41	36	35	31	21	13
500	90	56	52	48	48	45	38	28	17
	80	48	44	40	40	37	28	18	9
	70	47	43	39	39	36	27	17	8
	60	43	39	36	37	33	22	14	7
	50	43	39	36	37	33	22	14	7

NOTES:

- Values shown are for inlet L_{wi} or outlet L_{wo} sound power levels for Installation Type A: free inlet, free outlet.
- Ratings do not include the effects of duct end correction.
- The sound power level ratings shown are in decibels, referred to as 10⁻¹² watts, calculated per AMCA International Standard 301.

Inlet L_{wk} Values — EPF 365–890

RPM	% WOV	OCTAVE BAND							
		1	2	3	4	5	6	7	8
2000	90	43	46	56	50	41	39	38	30
	80	36	38	48	42	32	31	26	18
	70	34	37	47	40	31	29	23	16
	60	30	33	43	36	26	21	17	12
	50	30	33	43	36	26	21	17	12
1750	90	43	49	56	47	40	39	36	29
	80	36	41	48	39	31	30	24	17
	70	34	40	47	37	30	28	22	16
	60	30	36	43	33	24	21	16	12
	50	30	36	43	33	24	21	16	12
1500	90	43	52	56	45	40	39	35	27
	80	36	44	48	36	31	29	22	16
	70	34	43	47	35	29	27	20	15
	60	30	39	43	30	23	20	15	11
	50	30	39	43	30	23	20	15	11
1250	90	43	56	54	43	39	39	33	24
	80	36	48	46	35	31	28	20	15
	70	34	47	45	33	29	25	18	13
	60	30	43	41	28	22	19	13	10
	50	30	43	41	28	22	19	13	10
1000	90	46	55	50	41	39	38	30	22
	80	38	48	42	33	30	26	19	13
	70	37	46	41	31	28	24	17	12
	60	33	42	36	26	22	18	13	10
	50	33	42	36	26	22	18	13	10
750	90	50	52	49	41	40	35	28	20
	80	43	47	44	32	28	24	17	12
	70	42	46	42	30	26	22	15	11
	60	37	40	36	26	22	18	11	8
	50	37	40	36	26	22	18	11	8
500	90	51	51	43	40	39	30	24	17
	80	46	47	36	28	27	20	14	9
	70	44	46	34	26	25	18	12	8
	60	39	39	30	23	21	14	9	7
	50	39	39	30	23	21	14	9	7
250	90	51	43	40	39	30	24	17	10
	80	47	36	28	27	20	14	9	5
	70	46	34	26	25	18	12	8	4
	60	39	30	23	21	14	9	7	5
	50	39	30	23	21	14	9	7	5

Outlet L_{wk} Values — EPF 365–890

RPM	% WOV	OCTAVE BAND							
		1	2	3	4	5	6	7	8
2000	90	50	51	56	54	51	46	43	35
	80	40	41	46	43	39	37	31	24
	70	38	39	44	41	37	35	29	22
	60	35	36	40	37	32	27	22	17
	50	35	36	40	37	32	27	22	17
1750	90	50	52	56	53	50	45	42	34
	80	40	42	46	42	39	36	30	23
	70	38	41	44	40	37	34	27	21
	60	35	37	40	35	31	26	21	16
	50	35	37	40	35	31	26	21	16
1500	90	50	54	56	52	49	45	40	32
	80	40	44	46	41	38	35	28	21
	70	38	42	44	39	36	33	26	19
	60	35	39	40	34	30	25	20	15
	50	35	39	40	34	30	25	20	15
1250	90	50	56	56	52	47	45	38	30
	80	40	46	45	40	38	33	26	19
	70	38	44	43	38	36	31	24	18
	60	35	40	39	33	29	24	19	14
	50	35	40	39	33	29	24	19	14
1000	90	51	56	54	50	46	43	36	27
	80	41	45	43	39	37	32	24	18
	70	39	43	41	37	35	29	22	16
	60	37	40	36	32	28	23	18	12
	50	37	40	36	32	28	23	18	12
750	90	54	55	54	48	46	40	34	27
	80	42	43	42	37	35	30	24	17
	70	41	41	39	35	33	28	22	16
	60	38	38	34	30	29	24	16	12
	50	38	38	34	30	29	24	16	12
500	90	55	55	49	46	44	36	31	23
	80	42	42	38	35	33	27	21	13
	70	40	40	36	33	32	25	19	12
	60	38	35	31	30	29	21	14	9
	50	38	35	31	30	29	21	14	9
250	90	55	49	46	44	36	31	23	15
	80	42	38	35	33	27	21	13	6
	70	40	36	33	32	25	19	12	4
	60	35	31	30	29	21	14	9	4
	50	35	31	30	29	21	14	9	4

NOTES:

1. Values shown are for inlet L_{wi} or outlet L_{wo} sound power levels for Installation Type A: free inlet, free outlet.
2. Ratings do not include the effects of duct end correction.

3. The sound power level ratings shown are in decibels, referred to as 10⁻¹² watts, calculated per AMCA International Standard 301.

Inlet Lwk Values — EPQN 122A–165A
ECLQN 165
EPLQN 122–165

RPM	% WOV	OCTAVE BAND							
		1	2	3	4	5	6	7	8
4000	90	51	46	45	49	48	43	42	42
	80	47	43	40	44	42	37	36	36
	70	45	41	37	40	38	33	32	32
	60	47	40	35	39	37	31	29	30
	50	47	40	35	39	37	31	29	30
3500	90	51	45	45	49	46	43	42	42
	80	47	42	40	44	40	37	36	37
	70	45	39	36	40	36	32	31	33
	60	47	38	34	39	35	30	29	30
	50	47	38	34	39	35	30	29	30
3000	90	49	45	46	50	45	43	42	42
	80	46	41	41	44	39	37	36	37
	70	44	39	37	40	35	32	32	33
	60	45	37	36	39	34	30	30	30
	50	45	37	36	39	34	30	30	30
2500	90	47	48	49	51	47	44	43	43
	80	43	44	43	45	41	38	37	36
	70	40	41	40	42	37	33	33	31
	60	40	39	38	40	35	31	30	28
	50	40	39	38	40	35	31	30	28
2000	90	46	54	47	52	45	44	44	43
	80	41	49	42	47	39	39	38	34
	70	38	46	38	43	34	35	34	27
	60	37	44	37	41	31	32	29	23
	50	37	44	37	41	31	32	29	23
1500	90	49	51	51	52	45	44	44	42
	80	45	46	46	47	39	39	37	32
	70	42	43	42	43	34	34	31	25
	60	40	41	40	41	32	31	27	21
	50	40	41	40	41	32	31	27	21
1000	90	54	47	52	45	44	44	43	42
	80	49	42	47	39	39	38	34	29
	70	46	38	43	34	35	34	27	21
	60	44	37	41	31	32	29	23	17
	50	44	37	41	31	32	29	23	17

Inlet Lwk Values — EPQN 182–200
ECLQN 182–200
EPLQN 182–200

RPM	% WOV	OCTAVE BAND							
		1	2	3	4	5	6	7	8
4000	90	42	42	42	45	46	41	40	36
	80	35	35	34	37	39	33	33	28
	70	34	34	32	35	38	32	31	26
	60	31	31	27	33	37	29	25	22
	50	31	31	27	33	37	29	25	22
3500	90	42	42	43	45	46	40	39	35
	80	35	35	34	37	39	32	32	26
	70	34	34	32	36	38	31	30	25
	60	31	30	28	34	37	26	24	21
	50	31	30	28	34	37	26	24	21
3000	90	42	42	43	46	46	40	39	33
	80	35	34	35	38	38	32	31	24
	70	34	33	33	37	37	31	29	23
	60	31	29	29	36	36	26	24	20
	50	31	29	29	36	36	26	24	20
2500	90	42	42	45	47	44	40	38	31
	80	35	33	36	39	36	33	30	22
	70	34	32	35	38	35	31	28	21
	60	31	27	31	37	33	26	23	20
	50	31	27	31	37	33	26	23	20
2000	90	42	43	51	49	43	42	37	29
	80	33	34	43	41	35	33	28	21
	70	32	33	41	40	33	32	26	20
	60	28	29	39	37	29	26	22	18
	50	28	29	39	37	29	26	22	18
1500	90	42	50	54	48	44	41	33	26
	80	32	42	47	39	34	32	25	18
	70	31	41	46	37	33	30	24	17
	60	27	38	43	32	27	25	20	18
	50	27	38	43	32	27	25	20	18
1000	90	44	54	51	45	43	37	29	21
	80	35	47	42	36	34	28	21	15
	70	34	46	41	34	32	27	20	15
	60	30	43	37	29	27	23	18	16
	50	30	43	37	29	27	23	18	16

Outlet Lwk Values — EPQN 122A–165A
ECLQN 165
EPLQN 122–165

RPM	% WOV	OCTAVE BAND							
		1	2	3	4	5	6	7	8
4000	90	55	51	48	55	54	53	51	48
	80	51	45	42	49	48	47	44	42
	70	48	41	38	45	44	42	39	38
	60	49	40	35	41	41	39	36	33
	50	49	40	35	41	41	39	36	33
3500	90	55	49	48	55	53	53	50	47
	80	51	43	42	49	47	47	44	42
	70	48	39	38	45	43	42	38	37
	60	49	38	35	41	40	38	35	33
	50	49	38	35	41	40	38	35	33
3000	90	54	48	49	55	53	53	50	47
	80	49	42	44	49	47	47	44	42
	70	47	38	39	45	42	42	38	37
	60	46	36	36	41	40	38	35	33
	50	46	36	36	41	40	38	35	33
2500	90	49	50	52	55	54	53	51	48
	80	44	45	46	50	48	46	45	42
	70	41	41	42	46	43	41	40	37
	60	40	39	39	43	40	38	36	32
	50	40	39	39	43	40	38	36	32
2000	90	47	55	49	56	52	54	51	50
	80	42	50	44	51	46	48	45	42
	70	39	46	40	46	41	43	40	35
	60	36	44	37	44	38	39	36	28
	50	36	44	37	44	38	39	36	28
1500	90	50	53	55	56	53	53	51	50
	80	45	47	49	51	47	47	44	41
	70	42	43	45	46	42	42	38	33
	60	40	41	42	44	39	38	33	25
	50	40	41	42	44	39	38	33	25
1000	90	55	49	56	52	54	51	50	50
	80	50	44	51	46	48	45	42	39
	70	46	40	46	41	43	40	35	29
	60	44	37	44	38	39	36	28	21
	50	44	37	44	38	39	36	28	21

Outlet Lwk Values — EPQN 182–200
ECLQN 182–200
EPLQN 182–200

RPM	% WOV	OCTAVE BAND							
		1	2	3	4	5	6	7	8
4000	90	44	44	41	47	54	49	45	41
	80	40	40	34	39	45	41	38	32
	70	39	39	33	38	44	39	36	30
	60	37	37	31	35	41	35	30	25
	50	37	37	31	35	41	35	30	25
3500	90	44	43	42	50	54	47	45	39
	80	40	38	34	41	45	40	37	30
	70	39	37	33	40	44	38	35	28
	60	37	36	31	37	41	34	29	23
	50	37	36	31	37	41	34	29	23
3000	90	44	42	42	53	53	47	44	38
	80	40	37	35	44	45	39	36	28
	70	39	36	33	43	43	38	34	27
	60	37	34	31	40	40	33	28	22
	50	37	34	31	40	40	33	28	22
2500	90	44	41	43	54	51	46	43	36
	80	40	35	35	45	43	39	34	26
	70	39	34	34	44	42	37	32	25
	60	37	32	32	41	38	31	27	20
	50	37	32	32	41	38	31	27	20
2000	90	45	45	52	54	50	48	42	33
	80	39	38	45	45	41	39	33	24
	70	37	37	43	44	40	37	31	23
	60	36	34	40	40	35	32	27	20
	50	36	34	40	40	35	32	27	20
1500	90	47	53	57	51	51	47	38	30
	80	38	46	49	43	41	38	30	22
	70	37	45	48	41	39	36	28	21
	60	36	41	44	36	34	31	25	19
	50	36	41	44	36	34	31	25	19
1000	90	48	57	54	51	49	43	33	25
	80	41	49	46	42	40	34	25	18
	70	40	48	44	40	38	32	24	17
	60	37	44	39	35	33	28	21	15
	50	37	44	39	35	33	28	21	15

NOTES:

1. Values shown are for inlet L_{wi} or outlet L_{wo} sound power levels for Installation Type A: free inlet, free outlet.
2. Ratings do not include the effects of duct end correction.
3. The sound power level ratings shown are in decibels, referred to as 10^{-12} watts, calculated per AMCA International Standard 301.

Inlet Lwk Values — EPQN 222
ECLQN 222
EPLQN 222

RPM	% WOV	OCTAVE BAND							
		1	2	3	4	5	6	7	8
3000	90	43	43	46	47	44	40	41	35
	80	33	34	37	38	37	29	28	23
	70	31	32	36	37	36	27	25	21
	60	26	27	34	37	28	22	19	17
	50	26	27	34	37	28	22	19	17
2500	90	43	44	47	46	43	40	41	33
	80	33	34	38	38	35	29	27	22
	70	31	33	37	37	33	27	24	20
	60	26	28	37	35	26	21	18	16
	50	26	28	37	35	26	21	18	16
2000	90	43	45	47	46	41	41	39	29
	80	33	35	38	39	31	29	25	20
	70	31	34	37	37	30	27	23	19
	60	27	30	37	32	24	21	18	16
	50	27	30	37	32	24	21	18	16
1500	90	45	46	52	49	38	40	35	26
	80	34	35	43	42	30	29	24	18
	70	32	33	41	41	28	27	22	16
	60	28	30	38	36	25	22	18	16
	50	28	30	38	36	25	22	18	16
1000	90	46	50	53	41	38	39	30	22
	80	34	39	46	33	31	27	20	15
	70	32	37	44	31	29	25	19	14
	60	28	33	41	29	25	20	16	15
	50	28	33	41	29	25	20	16	15
500	90	50	53	41	38	39	30	22	15
	80	39	46	33	31	27	20	15	9
	70	37	44	31	29	25	19	14	9
	60	33	41	29	25	20	16	15	14
	50	33	41	29	25	20	16	15	14

Outlet Lwk Values — EPQN 222
ECLQN 222
EPLQN 222

RPM	% WOV	OCTAVE BAND							
		1	2	3	4	5	6	7	8
3000	90	47	46	45	50	51	49	47	43
	80	39	37	36	41	43	38	34	30
	70	37	35	35	40	41	36	31	28
	60	34	33	36	37	35	32	26	22
	50	34	33	36	37	35	32	26	22
2500	90	46	45	46	51	50	48	48	41
	80	39	36	37	42	42	37	33	29
	70	37	34	36	41	40	35	31	27
	60	34	32	37	37	35	30	25	21
	50	34	32	37	37	35	30	25	21
2000	90	46	45	47	51	50	46	47	37
	80	38	35	39	43	40	35	32	27
	70	37	34	38	41	38	33	29	25
	60	34	33	37	36	35	27	23	20
	50	34	33	37	36	35	27	23	20
1500	90	47	46	50	51	47	47	42	32
	80	39	37	42	43	38	36	31	24
	70	38	36	40	41	37	34	29	22
	60	35	34	37	37	33	28	24	18
	50	35	34	37	37	33	28	24	18
1000	90	47	47	51	47	47	46	36	27
	80	39	39	43	39	38	35	27	18
	70	38	37	42	38	36	32	25	16
	60	35	35	38	34	32	27	21	13
	50	35	35	38	34	32	27	21	13
500	90	47	51	47	47	46	36	27	19
	80	39	43	39	38	35	27	18	9
	70	37	42	38	36	32	25	16	8
	60	35	38	34	32	27	21	13	7
	50	35	38	34	32	27	21	13	7

Inlet Lwk Values — EPQN 245
ECLQN 245
EPLQN 245

RPM	% WOV	OCTAVE BAND							
		1	2	3	4	5	6	7	8
3000	90	44	43	46	48	39	40	39	36
	80	34	34	38	40	32	29	28	26
	70	32	32	37	40	30	27	26	24
	60	28	27	35	39	25	22	21	19
	50	28	27	35	39	25	22	21	19
2500	90	44	42	48	46	40	40	38	35
	80	34	33	40	39	31	29	28	25
	70	32	32	40	38	29	27	26	24
	60	28	27	39	36	24	21	21	18
	50	28	27	39	36	24	21	21	18
2000	90	44	43	48	43	40	40	38	34
	80	34	35	40	35	30	28	27	24
	70	32	33	40	34	28	26	25	22
	60	28	29	39	31	23	21	20	16
	50	28	29	39	31	23	21	20	16
1500	90	44	46	49	43	41	40	37	31
	80	34	38	42	36	30	30	26	22
	70	33	37	41	34	28	28	24	20
	60	30	36	39	28	23	22	19	15
	50	30	36	39	28	23	22	19	15
1000	90	47	48	52	43	44	41	33	24
	80	36	40	45	34	35	30	22	18
	70	35	39	43	32	33	27	20	17
	60	37	37	37	27	27	22	16	15
	50	37	37	37	27	27	22	16	15
500	90	48	52	43	44	41	33	24	16
	80	40	45	34	35	30	22	18	14
	70	39	43	32	33	27	20	17	14
	60	37	37	27	27	22	16	15	15
	50	37	37	27	27	22	16	15	15

Outlet Lwk Values — EPQN 245
ECLQN 245
EPLQN 245

RPM	% WOV	OCTAVE BAND							
		1	2	3	4	5	6	7	8
3000	90	48	48	50	51	48	47	45	41
	80	39	39	41	42	38	37	34	32
	70	38	38	40	41	37	35	33	31
	60	37	37	38	39	32	31	28	25
	50	37	37	38	39	32	31	28	25
2500	90	48	48	51	51	48	47	44	41
	80	39	39	42	41	38	36	34	32
	70	38	38	41	40	36	34	32	30
	60	37	37	39	37	32	30	27	24
	50	37	37	39	37	32	30	27	24
2000	90	48	49	51	49	47	46	43	40
	80	39	40	42	40	37	35	33	31
	70	38	38	41	38	36	34	31	29
	60	37	37	39	35	32	29	26	21
	50	37	37	39	35	32	29	26	21
1500	90	48	50	51	48	47	45	42	38
	80	39	41	42	39	37	35	32	29
	70	38	40	41	37	35	33	31	27
	60	37	38	38	32	31	28	25	18
	50	37	38	38	32	31	28	25	18
1000	90	47	48	50	48	49	48	39	29
	80	40	42	45	42	40	36	28	20
	70	39	41	43	40	38	34	26	19
	60	38	37	37	33	32	29	22	16
	50	38	37	37	33	32	29	22	16
500	90	48	50	48	49	48	39	29	17
	80	42	45	42	40	36	28	20	12
	70	41	43	40	38	34	26	19	12
	60	37	37	33	32	29	22	16	10
	50	37	37	33	32	29	22	16	10

NOTES:

1. Values shown are for inlet L_{wi} or outlet L_{w0} sound power levels for Installation Type A: free inlet, free outlet.
2. Ratings do not include the effects of duct end correction.

3. The sound power level ratings shown are in decibels, referred to as 10⁻¹² watts, calculated per AMCA International Standard 301.

**Inlet Lwk Values — EPQN 270
ECLQN 270
EPLQN 270**

RPM	% WOV	OCTAVE BAND							
		1	2	3	4	5	6	7	8
2500	90	40	41	50	48	40	39	35	32
	80	32	32	41	39	30	28	24	20
	70	30	30	40	38	28	26	22	18
	60	26	26	40	37	24	20	16	13
	50	26	26	40	37	24	20	16	13
2000	90	40	43	50	44	40	37	34	31
	80	32	34	41	35	30	26	22	19
	70	30	32	40	33	28	24	20	17
	60	26	28	40	31	23	19	15	12
	50	26	28	40	31	23	19	15	12
1500	90	41	46	50	43	39	36	33	28
	80	32	38	42	33	29	25	21	17
	70	31	36	41	32	27	23	19	16
	60	26	35	40	27	22	18	14	11
	50	26	35	40	27	22	18	14	11
1000	90	41	47	54	41	36	34	29	23
	80	34	40	46	32	27	25	19	14
	70	33	39	45	30	25	23	17	12
	60	29	39	39	25	21	20	13	9
	50	29	39	39	25	21	20	13	9
500	90	47	54	41	36	34	29	23	16
	80	40	46	32	27	25	19	14	8
	70	39	45	30	25	23	17	12	7
	60	39	39	25	21	20	13	9	6
	50	39	39	25	21	20	13	9	6

**Outlet Lwk Values — EPQN 270
ECLQN 270
EPLQN 270**

RPM	% WOV	OCTAVE BAND							
		1	2	3	4	5	6	7	8
2500	90	47	47	52	52	50	46	41	37
	80	37	37	43	42	40	35	28	25
	70	35	35	41	41	38	33	26	23
	60	33	33	38	38	34	27	22	18
	50	33	33	38	38	34	27	22	18
2000	90	47	48	52	51	49	44	40	34
	80	37	38	43	42	39	32	27	23
	70	35	36	41	40	37	30	25	21
	60	33	34	38	37	32	25	20	17
	50	33	34	38	37	32	25	20	17
1500	90	47	50	52	51	47	42	38	31
	80	37	40	43	41	36	30	26	21
	70	35	39	41	40	34	28	24	19
	60	33	36	39	36	29	23	19	15
	50	33	36	39	36	29	23	19	15
1000	90	45	47	53	47	43	40	34	26
	80	35	39	45	38	34	30	25	17
	70	34	38	44	36	32	29	23	16
	60	32	36	42	31	28	24	18	14
	50	32	36	42	31	28	24	18	14
500	90	47	53	47	43	40	34	26	17
	80	39	45	38	34	30	25	17	9
	70	38	44	36	32	29	23	16	8
	60	36	42	31	28	24	18	14	9
	50	36	42	31	28	24	18	14	9

**Inlet Lwk Values — EPQN 300-330
EPLQN 300-330**

RPM	% WOV	OCTAVE BAND							
		1	2	3	4	5	6	7	8
2500	90	41	41	44	51	46	39	37	32
	80	31	32	35	43	38	31	28	22
	70	30	30	34	41	36	29	26	20
	60	27	27	30	38	32	23	21	15
	50	27	27	30	38	32	23	21	15
2000	90	41	42	47	51	42	39	35	30
	80	31	32	38	43	33	30	26	20
	70	30	31	37	41	31	29	24	18
	60	27	28	33	38	27	23	20	13
	50	27	28	33	38	27	23	20	13
1500	90	41	43	50	50	40	38	34	27
	80	32	34	42	42	31	29	24	17
	70	30	32	41	40	29	27	22	16
	60	27	29	37	36	24	22	17	11
	50	27	29	37	36	24	22	17	11
1000	90	42	52	50	41	39	36	31	23
	80	33	42	41	33	31	29	22	14
	70	31	41	40	31	30	27	20	13
	60	28	39	37	27	26	23	15	9
	50	28	39	37	27	26	23	15	9
500	90	55	49	40	39	37	32	23	14
	80	45	40	32	32	30	23	14	7
	70	44	39	31	31	29	21	13	6
	60	42	36	27	28	26	17	9	5
	50	42	36	27	28	26	17	9	5

**Outlet Lwk Values — EPQN 300-330
EPLQN 300-330**

RPM	% WOV	OCTAVE BAND							
		1	2	3	4	5	6	7	8
2500	90	45	45	41	54	52	47	45	38
	80	35	35	32	46	43	37	35	28
	70	34	34	31	44	41	36	33	26
	60	32	32	28	40	37	31	29	21
	50	32	32	28	40	37	31	29	21
2000	90	45	44	46	54	49	47	43	35
	80	35	35	38	46	40	37	33	26
	70	34	33	36	44	38	35	32	24
	60	32	32	33	40	34	31	27	19
	50	32	32	33	40	34	31	27	19
1500	90	45	42	53	53	48	46	40	32
	80	35	33	44	45	38	36	30	22
	70	34	32	43	44	36	34	28	21
	60	32	30	39	39	32	30	23	16
	50	32	30	39	39	32	30	23	16
1000	90	45	51	52	48	47	44	37	28
	80	36	43	44	39	39	36	28	19
	70	34	41	42	38	37	34	26	18
	60	33	37	38	35	34	30	22	14
	50	33	37	38	35	34	30	22	14
500	90	54	50	47	48	45	39	29	18
	80	46	42	39	40	38	30	20	11
	70	45	40	38	39	37	28	19	9
	60	41	37	35	36	33	24	15	8
	50	41	37	35	36	33	24	15	8

NOTES:

1. Values shown are for inlet L_{wi} or outlet L_{wo} sound power levels for Installation Type A: free inlet, free outlet.
2. Ratings do not include the effects of duct end correction.

3. The sound power level ratings shown are in decibels, referred to as 10^{-12} watts, calculated per AMCA International Standard 301.

**Inlet Lwk Values — EPQN 365–890
EPLQN 365–490**

RPM	% WOV	OCTAVE BAND							
		1	2	3	4	5	6	7	8
2000	90	44	44	45	46	40	41	42	34
	80	35	35	37	38	32	32	27	19
	70	33	33	36	37	30	29	24	16
	60	28	29	36	35	23	18	15	10
	50	28	29	36	35	23	18	15	10
1750	90	44	44	46	46	38	41	41	31
	80	35	35	38	38	31	31	26	18
	70	33	34	37	37	29	28	23	15
	60	28	31	36	35	20	18	14	10
	50	28	31	36	35	20	18	14	10
1500	90	44	44	46	46	39	42	40	28
	80	35	36	38	38	31	30	24	16
	70	33	35	37	36	29	28	21	14
	60	28	34	36	33	19	17	13	9
	50	28	34	36	33	19	17	13	9
1250	90	44	45	46	43	40	42	39	25
	80	35	36	38	35	31	29	22	14
	70	33	36	37	34	29	27	18	13
	60	28	36	36	28	19	16	11	9
	50	28	36	36	28	19	16	11	9
1000	90	44	45	46	40	41	42	34	22
	80	35	37	38	32	32	27	19	13
	70	33	36	37	30	29	24	16	11
	60	29	36	35	23	18	15	10	8
	50	29	36	35	23	18	15	10	8
750	90	46	50	49	40	42	36	25	19
	80	36	40	40	32	30	23	15	10
	70	34	39	38	30	27	21	13	9
	60	31	35	35	28	20	15	9	8
	50	31	35	35	28	20	15	9	8
500	90	50	52	43	42	40	27	21	18
	80	39	42	35	29	27	18	12	8
	70	37	40	34	27	25	16	10	7
	60	32	35	36	22	19	12	8	7
	50	32	35	36	22	19	12	8	7
250	90	52	43	42	40	27	21	18	15
	80	42	35	29	27	18	12	8	5
	70	40	34	27	25	16	10	7	4
	60	35	36	22	19	12	8	7	5
	50	35	36	22	19	12	8	7	5

**Outlet Lwk Values — EPQN 365–890
EPLQN 365–490**

RPM	% WOV	OCTAVE BAND							
		1	2	3	4	5	6	7	8
2000	90	47	47	50	54	49	48	48	39
	80	40	40	41	43	39	38	33	25
	70	39	39	40	41	37	36	30	22
	60	34	34	35	34	30	27	22	16
	50	34	34	35	34	30	27	22	16
1750	90	47	47	51	54	48	48	46	36
	80	40	40	42	43	38	37	31	23
	70	39	39	40	41	36	35	28	21
	60	34	35	35	33	29	26	21	15
	50	34	35	35	33	29	26	21	15
1500	90	47	47	53	53	48	48	45	34
	80	40	40	42	42	38	36	29	22
	70	39	39	41	40	36	34	26	20
	60	34	35	35	33	28	25	19	14
	50	34	35	35	33	28	25	19	14
1250	90	47	47	54	52	48	49	43	31
	80	40	40	43	41	38	35	27	20
	70	39	39	41	39	36	32	24	18
	60	34	35	35	31	28	24	18	13
	50	34	35	35	31	28	24	18	13
1000	90	47	50	54	49	48	48	39	28
	80	40	41	43	39	38	33	25	18
	70	39	40	41	37	36	30	22	16
	60	34	35	34	30	27	22	16	11
	50	34	35	34	30	27	22	16	11
750	90	52	54	54	47	49	43	33	25
	80	43	45	44	37	36	31	23	16
	70	42	43	42	35	34	28	21	14
	60	37	38	37	29	28	23	15	10
	50	37	38	37	29	28	23	15	10
500	90	55	55	48	50	47	36	29	21
	80	46	46	38	37	35	26	19	13
	70	44	44	36	34	33	25	17	11
	60	40	40	31	30	28	20	13	8
	50	40	40	31	30	28	20	13	8
250	90	55	48	50	47	36	29	21	13
	80	46	38	37	35	26	19	13	6
	70	44	36	34	33	25	17	11	5
	60	40	31	30	28	20	13	8	3
	50	40	31	30	28	20	13	8	3

NOTES:

1. Values shown are for inlet L_{wi} or outlet L_{wo} sound power levels for Installation Type A: free inlet, free outlet.
2. Ratings do not include the effects of duct end correction.

3. The sound power level ratings shown are in decibels, referred to as 10^{-12} watts, calculated per AMCA International Standard 301.

Inlet L_{WK} Values — EPQ 122A–165A

RPM	% WOV	OCTAVE BAND							
		1	2	3	4	5	6	7	8
4000	90	51	48	49	52	51	45	43	42
	80	46	44	43	47	45	39	37	36
	70	43	41	40	43	42	35	32	32
	60	44	40	38	42	40	33	30	30
	50	44	40	38	42	40	33	30	30
3500	90	51	48	49	52	49	45	42	42
	80	46	43	44	47	43	39	36	37
	70	43	40	40	43	40	34	32	33
	60	44	39	38	42	38	32	30	30
	50	44	39	38	42	38	32	30	30
3000	90	50	48	50	53	48	44	42	42
	80	45	43	45	47	42	38	36	37
	70	43	40	41	43	39	34	32	33
	60	43	39	39	42	37	31	30	30
	50	43	39	39	42	37	31	30	30
2500	90	48	51	52	54	50	44	43	43
	80	43	46	46	48	43	38	37	36
	70	41	43	42	44	39	34	33	31
	60	41	41	41	43	38	32	31	28
	50	41	41	41	43	38	32	31	28
2000	90	47	56	50	55	46	44	44	43
	80	42	51	44	48	40	38	38	33
	70	40	47	40	45	36	35	33	27
	60	41	45	40	44	34	33	30	24
	50	41	45	40	44	34	33	30	24
1500	90	51	53	54	55	45	44	43	43
	80	45	48	48	48	39	38	36	32
	70	43	44	44	45	35	34	31	25
	60	43	43	43	44	33	32	28	21
	50	43	43	43	44	33	32	28	21
1000	90	56	50	55	46	44	44	43	42
	80	51	44	48	40	38	38	33	29
	70	47	40	45	36	35	33	27	21
	60	45	40	44	34	33	30	24	17
	50	45	40	44	34	33	30	24	17

Outlet L_{WK} Values — EPQ 122A–165A

RPM	% WOV	OCTAVE BAND							
		1	2	3	4	5	6	7	8
4000	90	63	55	49	55	55	54	51	47
	80	59	51	45	50	50	48	45	42
	70	56	48	41	47	46	44	41	38
	60	53	46	39	45	44	41	37	35
	50	53	46	39	45	44	41	37	35
3500	90	63	52	49	55	54	54	50	46
	80	59	48	44	50	49	48	44	42
	70	56	45	40	47	45	44	40	38
	60	53	43	38	45	42	41	36	35
	50	53	43	38	45	42	41	36	35
3000	90	61	50	50	55	54	54	49	46
	80	57	46	45	50	48	48	44	41
	70	54	43	41	47	44	44	39	37
	60	51	41	39	44	42	40	36	35
	50	51	41	39	44	42	40	36	35
2500	90	54	52	52	56	55	53	49	46
	80	50	47	47	50	49	47	44	40
	70	47	44	44	47	45	43	39	36
	60	45	42	42	45	42	40	36	32
	50	45	42	42	45	42	40	36	32
2000	90	51	54	51	57	52	53	49	47
	80	46	49	45	51	47	47	43	39
	70	43	46	42	47	43	43	39	32
	60	42	45	40	45	40	40	35	28
	50	42	45	40	45	40	40	35	28
1500	90	52	53	56	57	52	51	48	47
	80	48	48	50	51	47	46	41	37
	70	45	44	46	47	43	41	36	29
	60	43	43	44	45	40	38	32	24
	50	43	43	44	45	40	38	32	24
1000	90	54	51	57	52	53	49	47	46
	80	49	45	51	47	47	43	39	34
	70	46	42	47	43	43	39	32	26
	60	45	40	45	40	40	35	28	20
	50	45	40	45	40	40	35	28	20

Inlet L_{WK} Values — EPQ 182–200

RPM	% WOV	OCTAVE BAND							
		1	2	3	4	5	6	7	8
4000	90	43	44	47	49	49	44	41	36
	80	37	37	36	40	41	35	32	26
	70	36	36	34	38	40	33	30	25
	60	33	33	31	35	38	29	25	21
	50	33	33	31	35	38	29	25	21
3500	90	43	45	47	49	49	43	40	35
	80	37	37	37	40	41	33	31	25
	70	36	36	35	39	40	31	29	24
	60	33	33	32	36	38	27	24	21
	50	33	33	32	36	38	27	24	21
3000	90	44	45	48	49	48	42	39	34
	80	37	37	38	41	41	33	30	24
	70	36	35	36	40	39	31	28	22
	60	33	32	32	38	37	27	23	20
	50	33	32	32	38	37	27	23	20
2500	90	44	46	49	50	47	42	38	32
	80	37	36	39	42	38	33	28	22
	70	36	34	38	41	37	31	27	21
	60	33	31	34	38	33	26	23	20
	50	33	31	34	38	33	26	23	20
2000	90	45	47	53	51	46	43	38	30
	80	36	37	45	43	36	33	27	21
	70	34	35	43	42	35	31	26	20
	60	31	32	40	38	29	25	22	19
	50	31	32	40	38	29	25	22	19
1500	90	45	52	56	50	46	42	35	26
	80	35	44	48	41	36	32	25	19
	70	33	42	46	39	34	30	24	18
	60	30	39	44	33	27	24	21	18
	50	30	39	44	33	27	24	21	18
1000	90	47	56	53	47	45	39	30	21
	80	38	48	44	37	34	28	21	15
	70	36	46	42	35	32	26	20	15
	60	33	44	38	29	26	22	19	16
	50	33	44	38	29	26	22	19	16

Outlet L_{WK} Values — EPQ 182–200

RPM	% WOV	OCTAVE BAND							
		1	2	3	4	5	6	7	8
4000	90	47	47	46	51	55	53	49	42
	80	41	41	37	41	46	43	39	31
	70	39	39	35	40	44	41	37	29
	60	37	37	32	37	41	35	31	25
	50	37	37	32	37	41	35	31	25
3500	90	47	47	47	52	55	52	48	41
	80	41	40	37	43	46	42	37	30
	70	39	38	35	41	44	40	35	28
	60	37	36	33	38	41	34	30	24
	50	37	36	33	38	41	34	30	24
3000	90	47	46	47	54	54	52	46	39
	80	41	38	38	45	46	41	36	28
	70	39	37	36	44	44	39	34	26
	60	37	34	33	40	40	33	29	22
	50	37	34	33	40	40	33	29	22
2500	90	47	46	48	55	54	51	44	37
	80	41	37	38	46	44	40	34	26
	70	39	36	37	44	43	38	32	24
	60	37	33	34	41	38	32	27	21
	50	37	33	34	41	38	32	27	21
2000	90	48	47	54	55	53	50	43	35
	80	41	38	45	46	43	40	32	24
	70	39	37	44	44	41	38	30	23
	60	37	34	40	40	36	32	26	20
	50	37	34	40	40	36	32	26	20
1500	90	48	53	56	53	52	48	40	31
	80	40	45	48	44	42	38	29	21
	70	38	44	47	42	40	36	28	20
	60	35	40	43	37	35	31	24	18
	50	35	40	43	37	35	31	24	18
1000	90	48	56	55	53	51	44	34	25
	80	40	48	46	43	40	33	25	17
	70	39	47	44	41	38	31	23	16
	60	36	43	39	36	32	27	21	14
	50	36	43	39	36	32	27	21	14

NOTES:

- 1. Values shown are for inlet L_{wi} or outlet L_{wo} sound power levels for Installation Type A: free inlet, free outlet.
- 2. Ratings do not include the effects of duct end correction.

- 3. The sound power level ratings shown are in decibels, referred to as 10⁻¹² watts, calculated per AMCA International Standard 301.

Inlet L_{wk} Values — EPQ 222

RPM	% WOV	OCTAVE BAND							
		1	2	3	4	5	6	7	8
3000	90	46	47	48	52	51	42	43	37
	80	37	37	39	43	42	31	29	24
	70	36	35	38	41	40	29	27	22
	60	31	30	35	38	31	25	21	18
	50	31	30	35	38	31	25	21	18
2500	90	46	47	49	52	48	43	43	34
	80	37	36	41	43	38	31	28	22
	70	36	34	40	41	36	29	25	20
	60	31	29	39	37	29	24	20	17
	50	31	29	39	37	29	24	20	17
2000	90	47	47	50	52	44	43	41	31
	80	37	37	42	43	34	31	26	20
	70	36	35	40	41	32	29	24	19
	60	31	30	39	35	27	24	19	17
	50	31	30	39	35	27	24	19	17
1500	90	48	49	57	53	41	43	37	29
	80	37	38	48	46	32	30	26	19
	70	35	36	46	44	30	28	24	17
	60	30	32	42	38	26	23	19	16
	50	30	32	42	38	26	23	19	16
1000	90	49	54	58	43	41	42	32	24
	80	37	43	50	36	31	29	22	15
	70	35	41	49	35	29	27	20	14
	60	31	37	44	30	25	21	17	15
	50	31	37	44	30	25	21	17	15
500	90	54	58	43	41	42	32	24	16
	80	43	50	36	31	29	22	15	9
	70	41	49	35	29	27	20	14	9
	60	37	44	30	25	21	17	15	14
	50	37	44	30	25	21	17	15	14

Outlet L_{wk} Values — EPQ 222

RPM	% WOV	OCTAVE BAND							
		1	2	3	4	5	6	7	8
3000	90	51	49	49	53	55	53	49	44
	80	41	39	38	44	45	42	36	31
	70	39	37	37	42	44	40	33	28
	60	35	34	35	39	39	35	27	23
	50	35	34	35	39	39	35	27	23
2500	90	51	49	49	54	55	51	49	42
	80	41	38	39	44	45	40	35	29
	70	39	37	37	43	43	38	32	27
	60	35	33	37	39	38	32	26	22
	50	35	33	37	39	38	32	26	22
2000	90	50	48	51	55	54	49	48	38
	80	40	38	41	45	45	37	33	27
	70	39	36	39	43	43	35	31	25
	60	35	33	38	39	38	29	25	20
	50	35	33	38	39	38	29	25	20
1500	90	51	49	54	54	50	49	44	34
	80	41	39	45	45	41	38	32	24
	70	39	38	43	43	39	35	30	23
	60	35	35	40	40	34	30	24	18
	50	35	35	40	40	34	30	24	18
1000	90	52	51	54	50	49	47	39	30
	80	42	41	46	41	40	36	28	19
	70	40	40	44	39	38	34	26	17
	60	36	36	41	35	33	27	21	14
	50	36	36	41	35	33	27	21	14
500	90	51	54	50	49	47	39	30	21
	80	41	46	41	40	36	28	19	10
	70	40	44	39	38	34	26	17	8
	60	36	41	35	33	27	21	14	7
	50	36	41	35	33	27	21	14	7

Inlet L_{wk} Values — EPQ 245

RPM	% WOV	OCTAVE BAND							
		1	2	3	4	5	6	7	8
3000	90	46	46	49	51	44	42	39	36
	80	38	38	42	44	35	32	29	26
	70	36	36	41	43	34	30	27	24
	60	32	32	38	41	28	24	22	19
	50	32	32	38	41	28	24	22	19
2500	90	46	46	51	50	43	41	39	35
	80	38	38	44	42	34	31	28	26
	70	36	36	43	41	33	29	26	24
	60	32	31	41	38	27	24	22	18
	50	32	31	41	38	27	24	22	18
2000	90	46	47	51	47	42	41	37	34
	80	38	39	44	39	33	30	27	25
	70	36	37	43	38	31	28	25	23
	60	32	33	41	34	26	23	21	17
	50	32	33	41	34	26	23	21	17
1500	90	46	48	52	47	42	41	37	32
	80	38	41	44	39	32	30	27	23
	70	36	39	43	37	30	28	25	21
	60	31	37	40	31	24	23	19	15
	50	31	37	40	31	24	23	19	15
1000	90	46	49	54	45	45	41	34	25
	80	37	41	46	35	34	31	24	18
	70	36	40	45	33	32	28	22	17
	60	32	38	40	27	26	22	16	15
	50	32	38	40	27	26	22	16	15
500	90	49	54	45	45	41	34	25	16
	80	41	46	35	34	31	24	18	12
	70	40	45	33	32	28	22	17	12
	60	38	40	27	26	22	16	15	14
	50	38	40	27	26	22	16	15	14

Outlet L_{wk} Values — EPQ 245

RPM	% WOV	OCTAVE BAND							
		1	2	3	4	5	6	7	8
3000	90	50	50	52	53	50	49	45	43
	80	41	41	44	45	41	40	36	33
	70	40	40	43	44	39	38	34	31
	60	37	37	40	42	35	33	30	25
	50	37	37	40	42	35	33	30	25
2500	90	50	50	53	53	50	48	44	42
	80	41	41	45	44	41	38	35	33
	70	40	40	44	43	39	37	34	31
	60	37	37	42	41	35	32	29	24
	50	37	37	42	41	35	32	29	24
2000	90	50	51	53	51	50	47	44	40
	80	41	42	45	43	41	37	35	31
	70	40	41	44	41	39	35	33	29
	60	37	38	42	38	34	31	27	21
	50	37	38	42	38	34	31	27	21
1500	90	50	52	54	51	49	46	43	38
	80	41	44	45	41	40	37	33	29
	70	40	42	44	40	38	35	31	26
	60	36	40	42	36	33	30	25	18
	50	36	40	42	36	33	30	25	18
1000	90	50	52	55	51	51	48	41	29
	80	40	42	45	42	41	37	29	21
	70	38	40	44	40	39	35	27	19
	60	34	37	39	34	33	29	22	16
	50	34	37	39	34	33	29	22	16
500	90	52	55	51	51	48	41	29	17
	80	42	45	42	41	37	29	21	13
	70	40	44	40	39	35	27	19	12
	60	37	39	34	33	29	22	16	10
	50	37	39	34	33	29	22	16	10

NOTES:

- Values shown are for inlet L_{wi} or outlet L_{wo} sound power levels for Installation Type A: free inlet, free outlet.
- Ratings do not include the effects of duct end correction.

- The sound power level ratings shown are in decibels, referred to as 10⁻¹² watts, calculated per AMCA International Standard 301.

Inlet L_{wk} Values — EPQ 270

RPM	% WOV	OCTAVE BAND							
		1	2	3	4	5	6	7	8
2500	90	44	43	52	50	44	40	37	32
	80	36	35	44	42	34	30	25	21
	70	34	34	42	40	32	28	23	19
	60	30	30	41	38	27	23	17	13
	50	30	30	41	38	27	23	17	13
2000	90	44	45	52	47	43	38	36	31
	80	36	37	44	39	34	28	24	20
	70	34	36	42	37	32	26	22	18
	60	30	32	41	33	26	21	16	13
	50	30	32	41	33	26	21	16	13
1500	90	43	48	53	47	41	37	34	30
	80	35	40	44	37	31	27	23	19
	70	34	39	43	35	29	25	21	17
	60	30	37	41	30	24	19	15	12
	50	30	37	41	30	24	19	15	12
1000	90	43	51	58	43	38	36	31	25
	80	35	41	46	33	28	26	21	15
	70	34	40	44	31	27	24	19	13
	60	30	39	40	26	21	20	14	10
	50	30	39	40	26	21	20	14	10
500	90	51	58	43	38	36	31	25	19
	80	41	46	33	28	26	21	15	9
	70	40	44	31	27	24	19	13	8
	60	39	40	26	21	20	14	10	7
	50	39	40	26	21	20	14	10	7

Outlet L_{wk} Values — EPQ 270

RPM	% WOV	OCTAVE BAND							
		1	2	3	4	5	6	7	8
2500	90	50	50	53	53	53	48	42	39
	80	40	40	44	44	42	37	31	26
	70	38	38	43	43	40	35	29	24
	60	34	34	41	40	35	30	24	19
	50	34	34	41	40	35	30	24	19
2000	90	50	50	53	53	53	45	41	37
	80	40	41	44	44	42	35	29	24
	70	38	39	43	42	40	33	27	22
	60	34	36	41	38	35	28	22	18
	50	34	36	41	38	35	28	22	18
1500	90	50	51	53	53	50	44	40	34
	80	40	42	45	43	39	33	28	22
	70	38	41	43	41	37	30	25	20
	60	34	38	41	36	32	25	20	16
	50	34	38	41	36	32	25	20	16
1000	90	48	50	56	49	46	41	36	28
	80	38	41	47	39	36	31	26	18
	70	36	40	45	38	34	29	24	17
	60	33	37	40	33	29	25	19	14
	50	33	37	40	33	29	25	19	14
500	90	50	56	49	46	41	36	28	19
	80	41	47	39	36	31	26	18	10
	70	40	45	38	34	29	24	17	9
	60	37	40	33	29	25	19	14	9
	50	37	40	33	29	25	19	14	9

Inlet L_{wk} Values — EPQ 300–330

RPM	% WOV	OCTAVE BAND							
		1	2	3	4	5	6	7	8
2500	90	42	44	49	52	48	41	38	32
	80	35	36	40	44	40	32	29	22
	70	34	34	38	43	38	30	27	20
	60	26	28	32	41	34	24	21	16
	50	26	28	32	41	34	24	21	16
2000	90	42	45	50	52	43	41	37	30
	80	35	37	41	44	35	32	27	20
	70	34	35	40	43	34	30	25	19
	60	26	29	35	41	28	23	20	14
	50	26	29	35	41	28	23	20	14
1500	90	43	47	52	51	41	39	34	28
	80	36	38	44	43	33	30	24	18
	70	34	37	42	42	31	28	22	17
	60	27	31	40	39	25	22	17	12
	50	27	31	40	39	25	22	17	12
1000	90	44	53	52	42	41	38	32	24
	80	36	45	44	35	32	29	22	15
	70	35	44	42	33	31	28	21	13
	60	30	40	39	29	27	24	16	9
	50	30	40	39	29	27	24	16	9
500	90	55	52	42	41	38	33	25	16
	80	48	43	34	33	30	23	15	7
	70	47	42	33	31	29	22	13	6
	60	43	38	29	29	26	17	9	5
	50	43	38	29	29	26	17	9	5

Outlet L_{wk} Values — EPQ 300–330

RPM	% WOV	OCTAVE BAND							
		1	2	3	4	5	6	7	8
2500	90	48	48	45	54	53	50	45	38
	80	39	39	36	46	44	40	35	28
	70	37	37	34	45	42	38	34	26
	60	33	33	30	41	38	33	30	22
	50	33	33	30	41	38	33	30	22
2000	90	48	48	49	54	51	49	43	36
	80	39	39	40	46	42	39	33	26
	70	37	37	38	45	40	37	32	24
	60	33	33	34	41	35	32	28	20
	50	33	33	34	41	35	32	28	20
1500	90	48	46	53	54	50	47	40	33
	80	39	37	45	46	40	37	30	24
	70	37	35	43	44	38	35	28	22
	60	33	31	40	41	33	31	25	17
	50	33	31	40	41	33	31	25	17
1000	90	47	52	53	50	49	44	38	30
	80	38	44	45	41	40	36	29	20
	70	37	42	43	40	38	35	27	19
	60	34	38	39	35	35	31	22	14
	50	34	38	39	35	35	31	22	14
500	90	54	52	49	48	46	40	30	20
	80	47	43	41	41	38	31	21	11
	70	45	42	39	40	37	29	19	10
	60	41	37	36	37	34	24	15	9
	50	41	37	36	37	34	24	15	9

NOTES:

- Values shown are for inlet L_{wi} or outlet L_{wo} sound power levels for Installation Type A: free inlet, free outlet.
- Ratings do not include the effects of duct end correction.
- The sound power level ratings shown are in decibels, referred to as 10⁻¹² watts, calculated per AMCA International Standard 301.

Inlet L_{wk} Values — EPQ 365–890

RPM	% WOV	OCTAVE BAND							
		1	2	3	4	5	6	7	8
2000	90	46	47	50	52	43	42	40	31
	80	37	37	41	42	34	32	26	18
	70	35	36	40	41	32	29	23	16
	60	30	32	40	38	25	20	16	11
	50	30	32	40	38	25	20	16	11
1750	90	46	47	51	52	41	42	39	29
	80	37	38	42	42	31	31	24	16
	70	35	37	40	41	29	28	21	14
	60	30	34	40	37	22	20	15	11
	50	30	34	40	37	22	20	15	11
1500	90	46	48	51	51	41	42	37	26
	80	37	39	42	41	31	30	22	15
	70	35	38	41	40	29	27	20	13
	60	30	37	40	35	22	19	14	10
	50	30	37	40	35	22	19	14	10
1250	90	46	49	52	47	41	42	35	24
	80	37	40	42	38	32	28	20	14
	70	35	39	41	36	29	25	17	12
	60	30	40	39	30	21	17	12	9
	50	30	40	39	30	21	17	12	9
1000	90	47	50	52	43	42	40	31	21
	80	37	41	42	34	32	26	18	12
	70	36	40	41	32	29	23	16	11
	60	32	40	38	25	20	16	11	9
	50	32	40	38	25	20	16	11	9
750	90	48	53	52	41	42	36	25	19
	80	38	43	42	33	30	23	15	10
	70	37	41	41	31	27	21	13	9
	60	34	39	37	25	20	15	9	7
	50	34	39	37	25	20	15	9	7
500	90	51	54	44	41	40	28	21	17
	80	41	44	36	31	27	18	12	9
	70	39	42	35	29	25	16	10	7
	60	36	39	31	23	19	12	8	6
	50	36	39	31	23	19	12	8	6
250	90	54	44	41	40	28	21	17	13
	80	44	36	31	27	18	12	9	5
	70	42	35	29	25	16	10	7	4
	60	39	31	23	19	12	8	6	3
	50	39	31	23	19	12	8	6	3

Outlet L_{wk} Values — EPQ 365–890

RPM	% WOV	OCTAVE BAND							
		1	2	3	4	5	6	7	8
2000	90	51	51	52	55	52	49	46	36
	80	41	41	42	43	40	37	32	24
	70	39	39	40	41	38	35	29	22
	60	35	36	36	36	32	29	22	17
	50	35	36	36	36	32	29	22	17
1750	90	51	51	53	55	51	49	44	34
	80	41	41	42	43	39	36	30	23
	70	39	39	41	41	37	34	28	21
	60	35	36	36	36	31	27	21	16
	50	35	36	36	36	31	27	21	16
1500	90	51	51	55	55	50	48	42	32
	80	41	41	43	43	39	35	29	21
	70	39	39	41	41	37	33	26	19
	60	35	36	36	36	31	26	20	14
	50	35	36	36	36	31	26	20	14
1250	90	51	51	55	53	49	48	39	30
	80	41	41	43	42	38	34	26	19
	70	39	39	41	40	36	31	24	17
	60	35	36	36	34	30	24	19	13
	50	35	36	36	34	30	24	19	13
1000	90	51	52	55	52	49	46	36	27
	80	41	42	43	40	37	32	24	17
	70	39	40	41	38	35	29	22	15
	60	36	36	36	32	29	22	17	11
	50	36	36	36	32	29	22	17	11
750	90	53	55	55	48	49	42	33	25
	80	43	45	44	37	36	30	22	16
	70	42	43	42	35	34	28	20	14
	60	38	38	37	31	29	24	16	11
	50	38	38	37	31	29	24	16	11
500	90	56	56	48	49	47	36	29	21
	80	46	46	38	37	35	26	19	13
	70	44	44	36	35	33	24	17	11
	60	39	39	33	31	29	20	13	8
	50	39	39	33	31	29	20	13	8
250	90	56	48	49	47	36	29	21	14
	80	46	38	37	35	26	19	13	6
	70	44	36	35	33	24	17	11	5
	60	39	33	31	29	20	13	8	4
	50	39	33	31	29	20	13	8	4

NOTES:

1. Values shown are for inlet L_{wi} or outlet L_{wO} sound power levels for Installation Type A: free inlet, free outlet.
2. Ratings do not include the effects of duct end correction.

3. The sound power level ratings shown are in decibels, referred to as 10⁻¹² watts, calculated per AMCA International Standard 301.

M Capacity Fraction

CFM	TOTAL PRESSURE AT DENSITY																		
	1/4	3/8	1/2	5/8	3/4	7/8	1	1¼	1½	2	2½	3	3½	4	4½	5	5½	6	6½
100	8	11	14	16	18	19	20	22	24	26	28	30	31	32	33	34	35	36	36
150	10	13	16	18	19	21	22	24	25	28	30	31	33	34	35	36	37	37	38
200	11	14	17	19	21	22	23	25	27	29	31	33	34	35	36	37	38	39	39
300	13	16	19	21	22	24	25	27	28	31	33	34	36	37	38	39	40	40	41
500	15	18	21	23	24	26	27	29	31	33	35	37	38	39	40	41	42	43	43
750	17	20	23	25	26	28	29	31	32	35	37	38	40	41	42	43	44	44	45
1000	18	21	24	26	28	29	30	32	34	36	38	40	41	42	43	44	45	46	46
1500	20	23	26	28	29	31	32	34	35	38	40	41	43	44	45	46	47	47	48
2000	21	24	27	29	31	32	33	35	37	39	41	43	44	45	46	47	48	49	49
3000	23	26	29	31	32	34	35	37	38	41	43	44	46	47	48	49	50	50	51
5000	25	28	31	33	34	36	37	39	41	43	45	47	48	49	50	51	52	53	53
7500	27	30	33	35	36	38	39	41	42	45	47	48	50	51	52	53	54	54	55
10000	28	31	34	36	38	39	40	42	44	46	48	50	51	52	53	54	55	56	56
15000	30	33	36	38	39	41	42	44	45	48	50	51	53	54	55	56	57	57	58
20000	31	34	37	39	41	42	43	45	47	49	51	53	54	55	56	57	58	59	59
30000	33	36	39	41	42	44	45	47	48	51	53	54	56	57	58	59	60	60	61
50000	35	38	41	43	44	46	47	49	51	53	55	57	58	59	60	61	62	63	63
75000	37	40	43	45	46	48	49	51	52	55	57	58	60	61	62	63	64	64	65
100000	38	41	44	46	48	49	50	52	54	56	58	60	61	62	63	64	65	66	66
150000	40	43	46	48	49	51	52	54	55	58	60	61	63	64	65	66	67	67	68
200000	41	44	47	49	51	52	53	55	57	59	61	63	64	65	66	67	68	69	69

CFM	TOTAL PRESSURE AT DENSITY																			
	7	8	9	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	
100	37	38	39	40	42	43	44	45	46	47	48	48	49	50	50	51	51	52	52	
150	39	40	41	42	43	45	46	47	48	49	49	50	51	51	52	52	53	53	54	
200	40	41	42	43	45	46	47	48	49	50	51	51	52	53	53	54	54	55	55	
300	42	43	44	45	46	48	49	50	51	52	52	53	54	54	55	55	56	56	57	
500	44	45	46	47	49	50	51	52	53	54	55	55	56	57	57	58	58	59	59	
750	46	47	48	49	50	52	53	54	55	56	56	57	58	58	59	59	60	60	61	
1000	47	48	49	50	52	53	54	55	56	57	58	58	59	60	60	61	61	62	62	
1500	49	50	51	52	53	55	56	57	58	59	59	60	61	61	62	62	63	63	64	
2000	50	51	52	53	55	56	57	58	59	60	61	61	62	63	63	64	64	65	65	
3000	52	53	54	55	56	58	59	60	61	62	62	63	64	64	65	65	66	66	67	
5000	54	55	56	57	59	60	61	62	63	64	65	65	66	67	67	68	68	69	69	
7500	56	57	58	59	60	62	63	64	65	66	66	67	68	68	69	69	70	70	71	
10000	57	58	59	60	62	63	64	65	66	67	68	68	69	70	70	71	71	72	72	
15000	59	60	61	62	63	65	66	67	68	69	69	70	71	71	72	72	73	73	74	
20000	60	61	62	63	65	66	67	68	69	70	71	71	72	73	73	74	74	75	75	
30000	62	63	64	65	66	68	69	70	71	72	72	73	74	74	75	75	76	76	77	
50000	64	65	66	67	69	70	71	72	73	74	75	75	76	77	77	78	78	79	79	
75000	66	67	68	69	70	72	73	74	75	76	76	77	78	78	79	79	80	80	81	
100000	67	68	69	70	72	73	74	75	76	77	78	78	79	80	80	81	81	82	82	
150000	69	70	71	72	73	75	76	77	78	79	79	80	81	81	82	82	83	83	84	
200000	70	71	72	73	75	76	77	78	79	80	81	81	82	83	83	84	84	85	85	



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