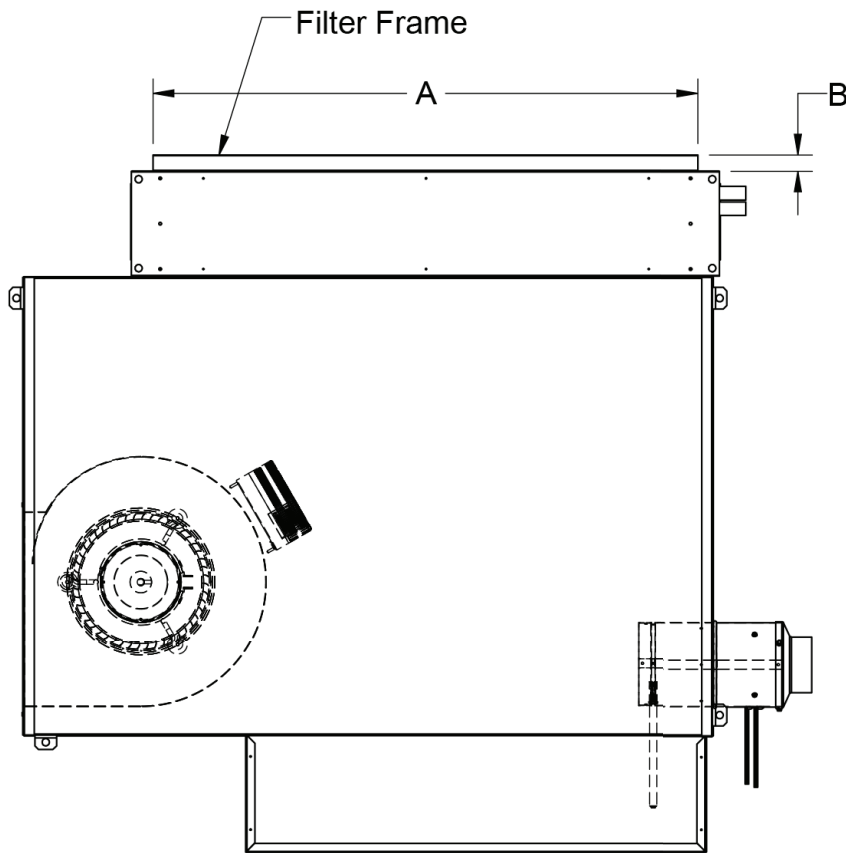


DLSC / Filter Rack and Filter Options



Unit Size	A
1, 2, 3	38
5	44
A, B, C, E	62

Filter Type	B
MERV 8	1 1/8
MERV 13	2 1/8

FILTER RACK AND FILTER OPTION

STANDARD FEATURES

- 1" MERV8 or 2" MERV13 Filter

OPTIONS

- Return air filter flange for ducted applications

ADDITIONAL ACCESSORIES (OPTIONAL)

- Motor fuses
- Unit hanger brackets
- Discharge air slip & drive connection kit
- Unit disconnect switch

PRIMARY AIR CFM RANGES

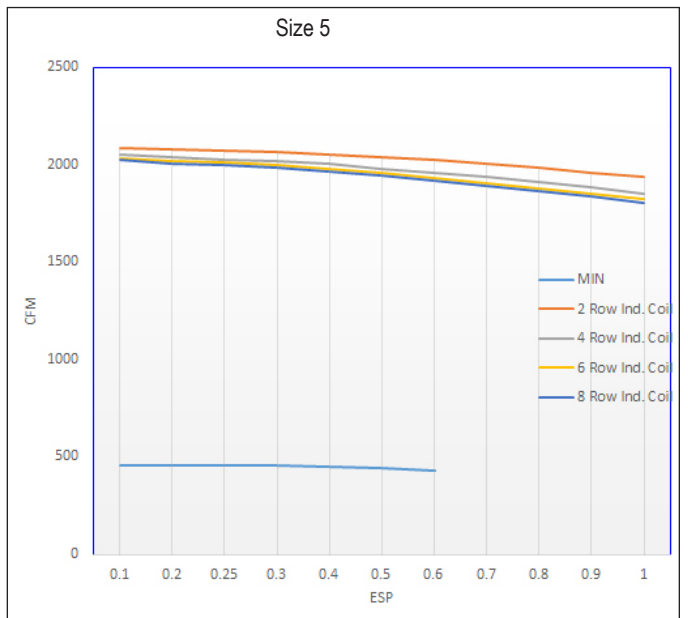
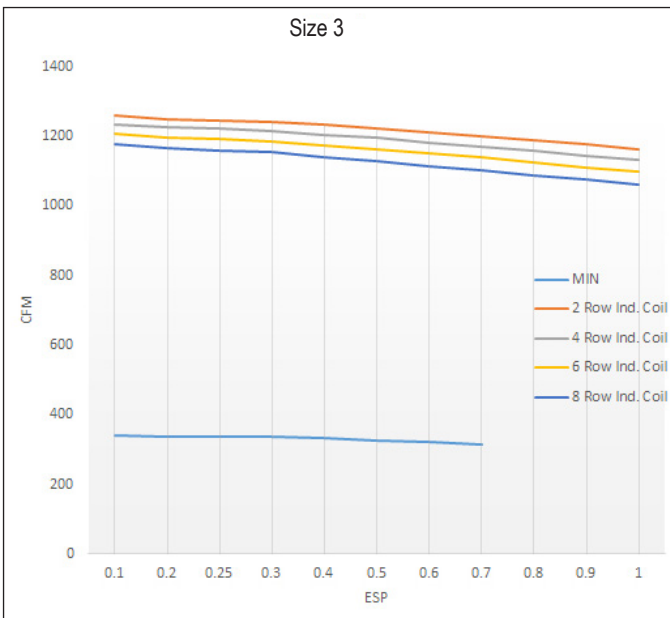
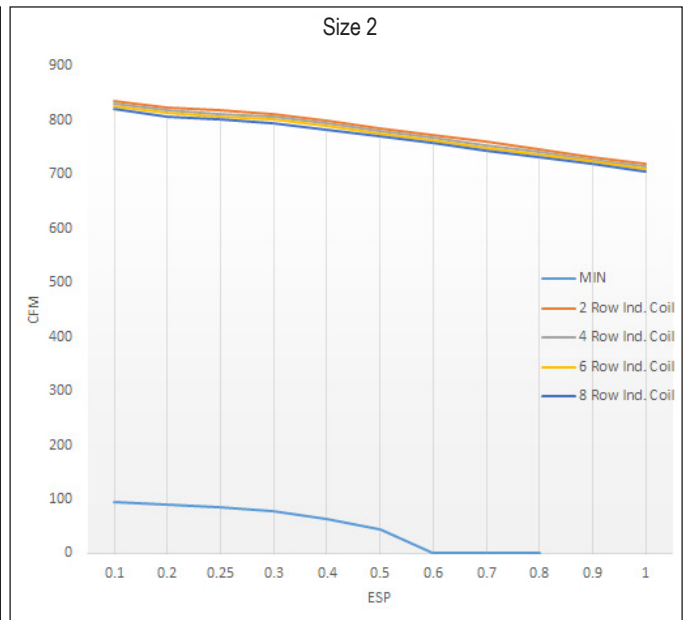
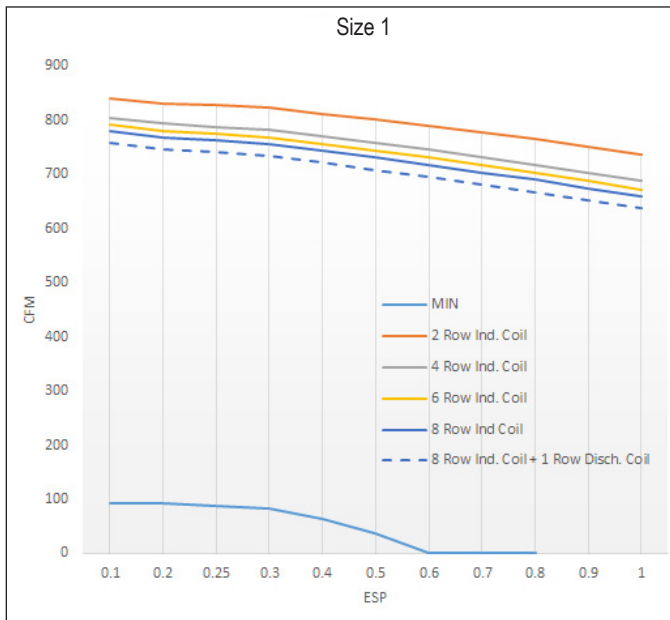
Inlet Size	Total Range (cfm)	Minimum and Maximum Range Settings (cfm)	
		Minimum	Maximum
4	0-225	30*-225	30-225
6	0-500	45*-500	45-500
8	0-900	90*-900	90-900
10	0-1400	145*-1400	145-1400
12	0-2000	190*-2000	190-2000
14	0-3000	300*-3000	300-3000
16	0-4000	385*-4000	385-4000

Notes:

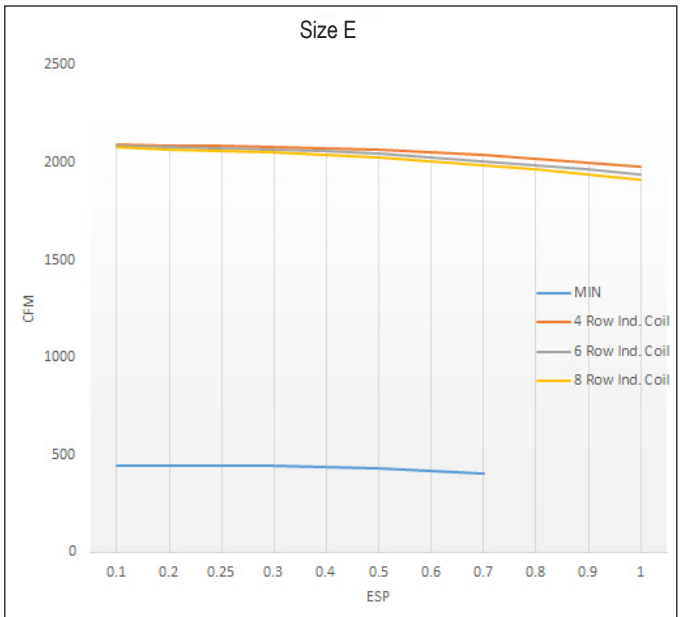
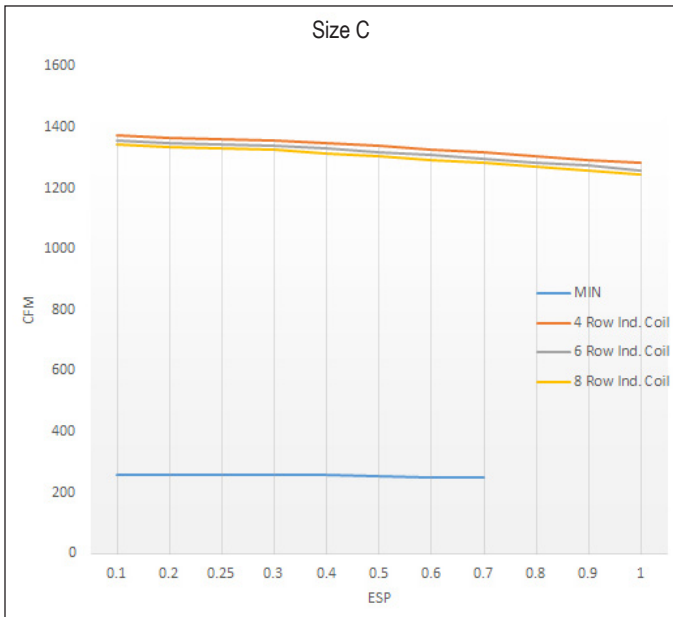
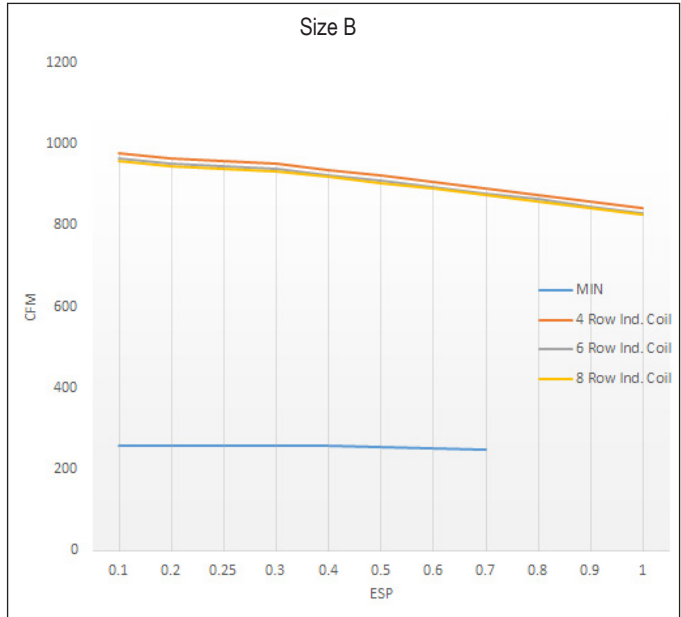
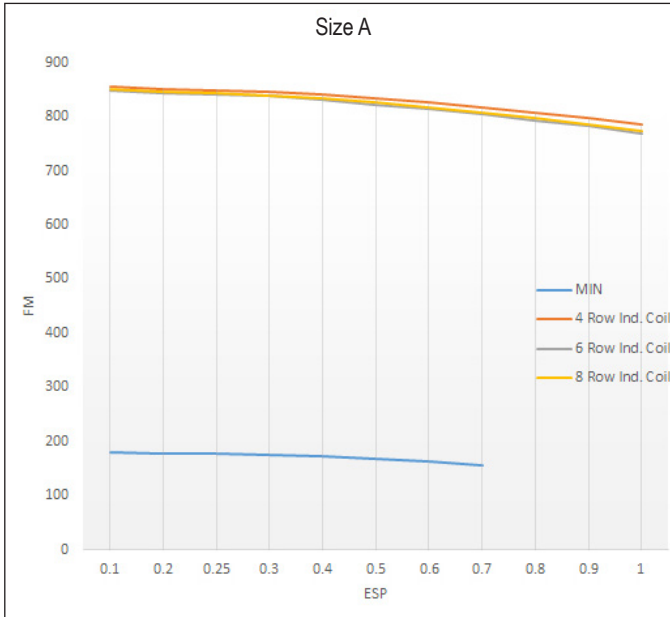
1. An asterisk (*) indicates factory cfm settings (except zero) will not be made below this range because control accuracy is reduced

2. For selection procedure, see the section "Engineering Guidelines" and the topic "ECM Motors - Fan Powered Terminals" for additional information

DLSC / FAN CURVES

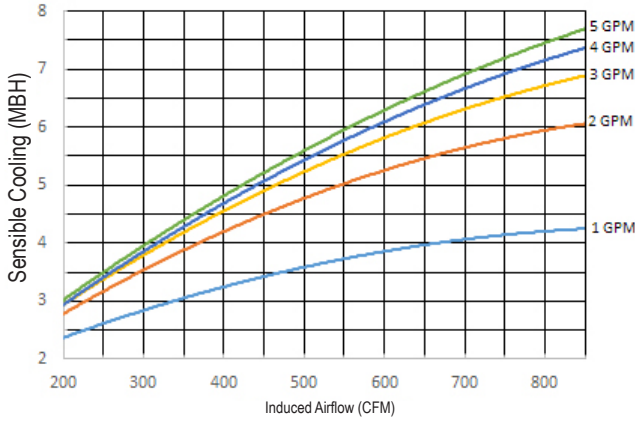


DLSC / FAN CURVES

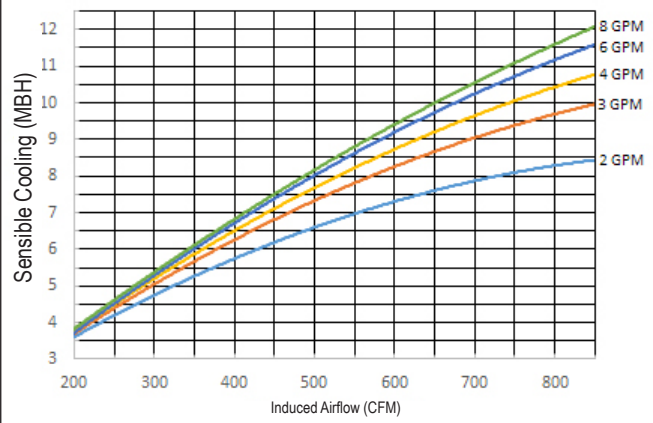


DLSC / SENSIBLE WATER COIL

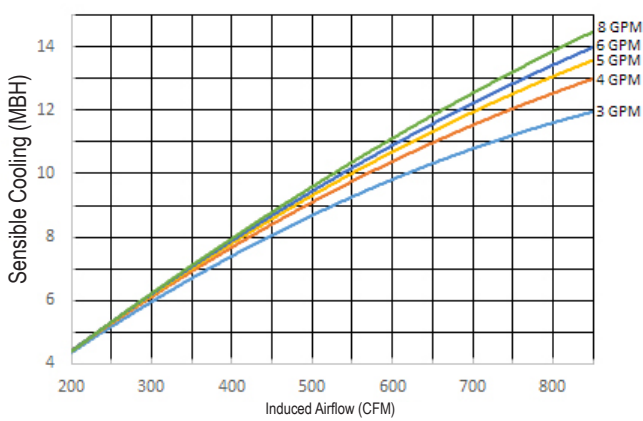
Size 1 & 2 - 2 Row Sensible Cooling



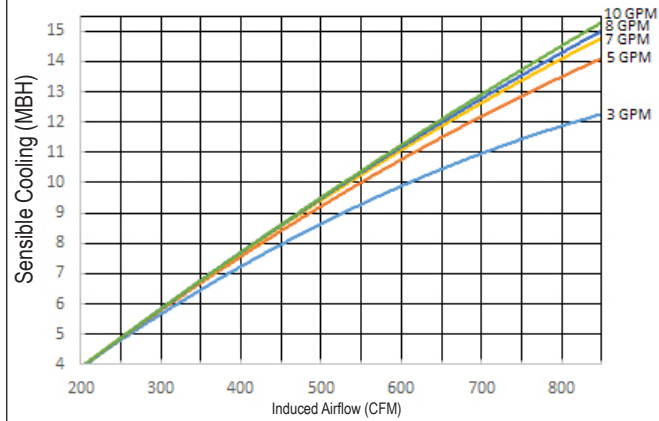
Size 1 & 2 - 4 Row Sensible Cooling



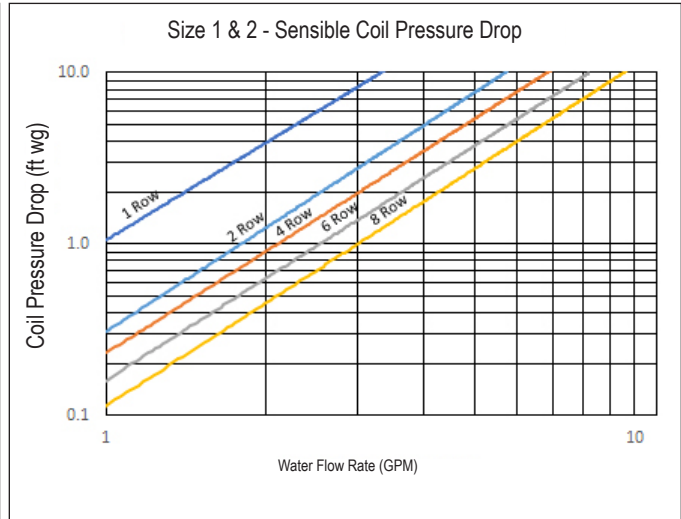
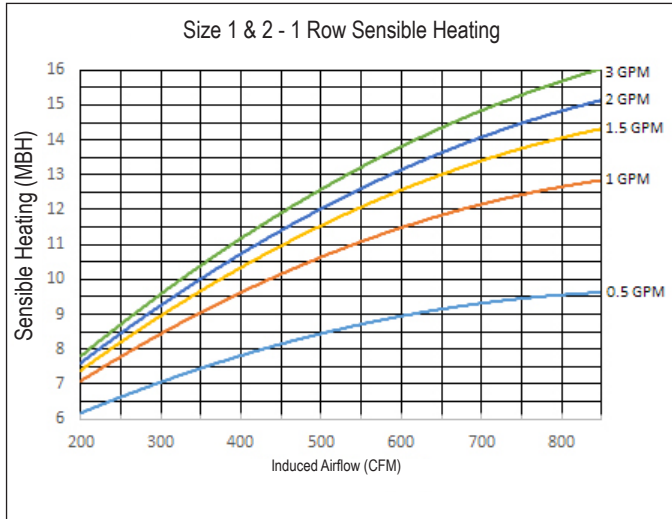
Size 1 & 2 - 6 Row Sensible Cooling



Size 1 & 2 - 8 Row Sensible Cooling



DLSC / SENSIBLE WATER COIL



Notes:

Capacity shown is for the sensible coil only. It does not include any contribution or offset from the primary air.
 Cooling capacity is based on 75°F room air temperature and 57°F supply water temperature
 Heating capacity is based on 70°F room air temperature and 140°F supply water temperature

CORRECTION FACTORS FOR OTHER COOLING ENTERING CONDITIONS:

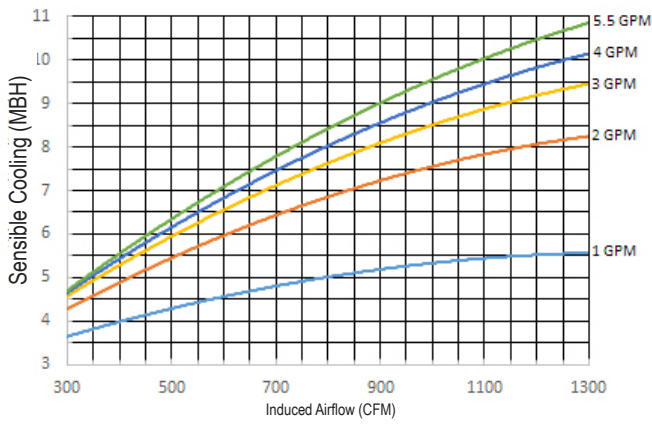
Actual ΔT	10	12	14	16	18	20	22	24
Cooling Factor	0.56	0.67	0.78	0.89	1.00	1.11	1.22	1.33

CORRECTION FACTORS FOR OTHER HEATING ENTERING CONDITIONS:

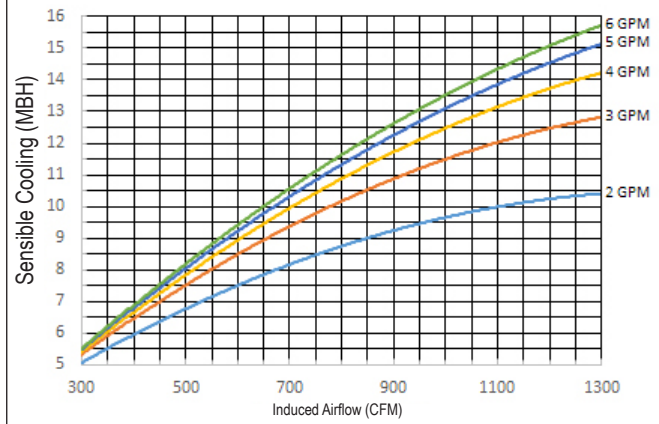
$\Delta T(^{\circ}F)$	60	65	70	75	80	85	90
Heating Factor:	1.14	1.07	1.00	0.93	0.86	0.79	0.71

DLSC / SENSIBLE WATER COIL

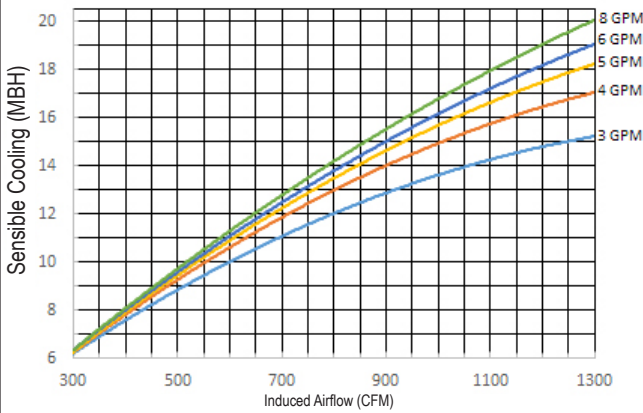
Size 3 - 2 Row Sensible Cooling



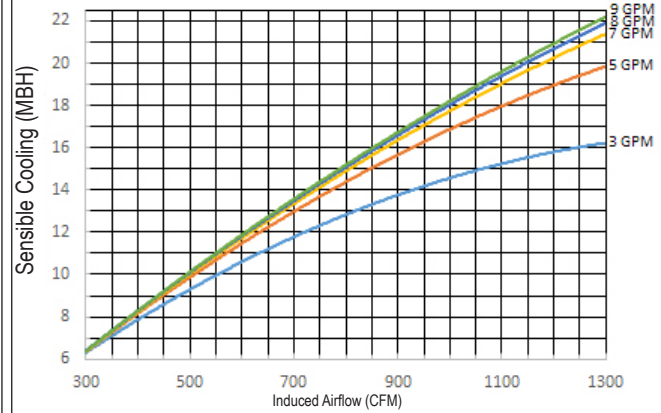
Size 3 - 4 Row Sensible Cooling



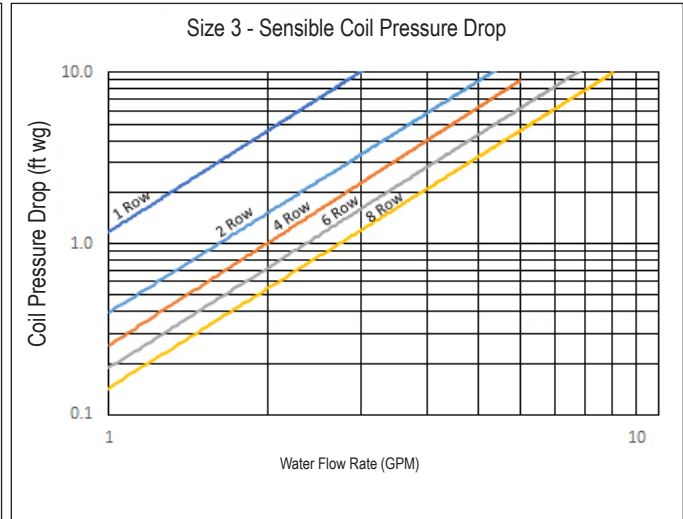
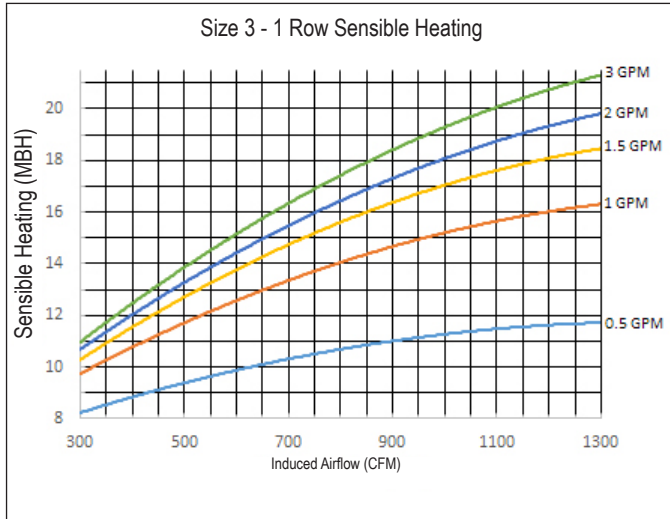
Size 3 - 6 Row Sensible Cooling



Size 3 - 8 Row Sensible Cooling



DLSC / SENSIBLE WATER COIL



Notes:

Capacity shown is for the sensible coil only. It does not include any contribution or offset from the primary air.

Cooling capacity is based on 75°F room air temperature and 57°F supply water temperature

Heating capacity is based on 70°F room air temperature and 140°F supply water temperature

CORRECTION FACTORS FOR OTHER COOLING ENTERING CONDITIONS:

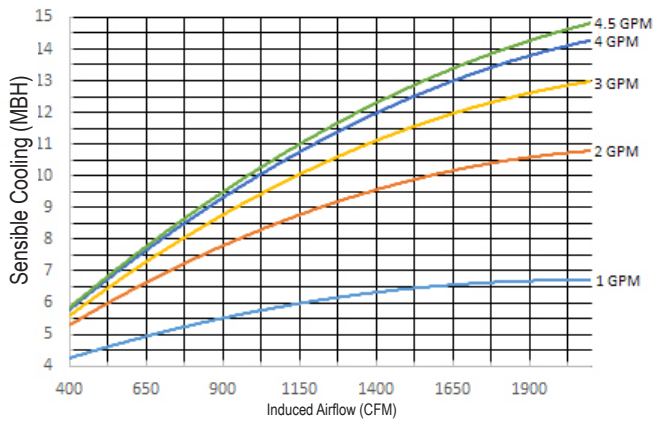
Actual ΔT	10	12	14	16	18	20	22	24
Cooling Factor	0.56	0.67	0.78	0.89	1.00	1.11	1.22	1.33

CORRECTION FACTORS FOR OTHER HEATING ENTERING CONDITIONS:

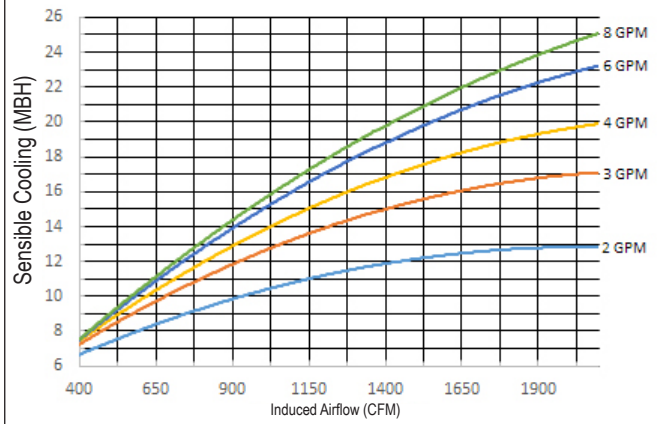
$\Delta T(^{\circ}F)$	60	65	70	75	80	85	90
Heating Factor:	1.14	1.07	1.00	0.93	0.86	0.79	0.71

DLSC / SENSIBLE WATER COIL

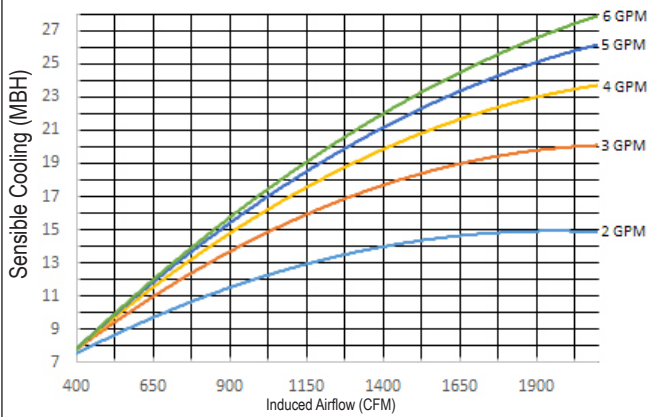
Size 5 - 2 Row Sensible Cooling



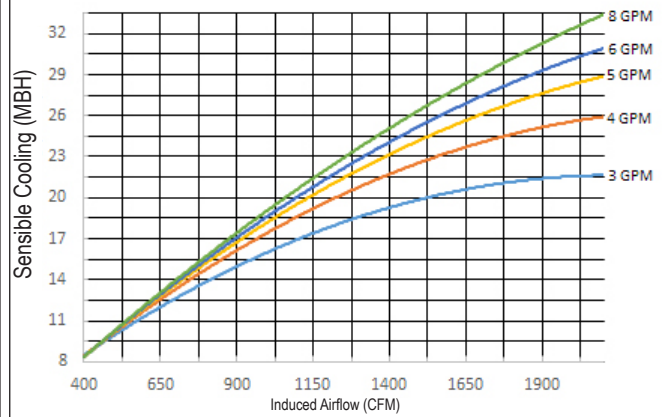
Size 5 - 4 Row Sensible Cooling



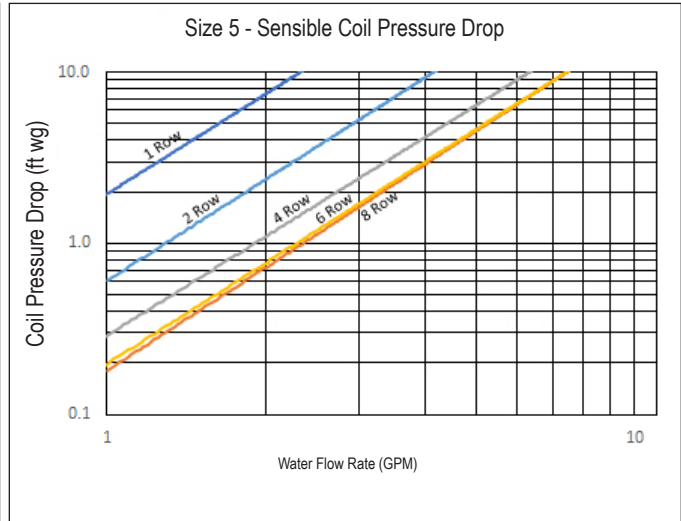
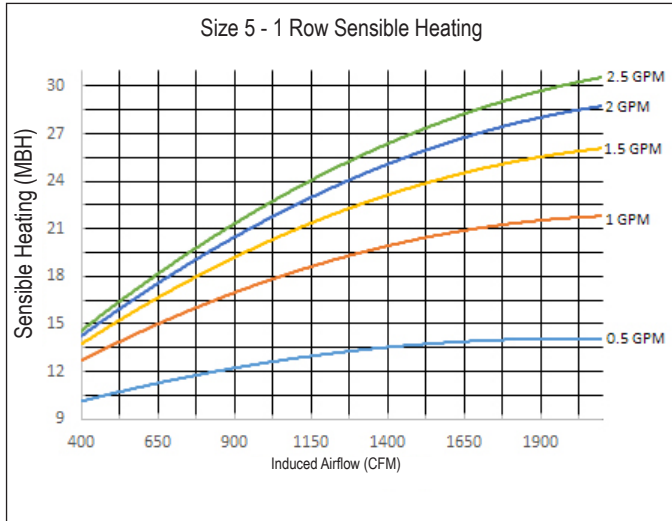
Size 5 - 6 Row Sensible Cooling



Size 5 - 8 Row Sensible Cooling



DLSC / SENSIBLE WATER COIL



Notes:

Capacity shown is for the sensible coil only. It does not include any contribution or offset from the primary air.
 Cooling capacity is based on 75°F room air temperature and 57°F supply water temperature
 Heating capacity is based on 70°F room air temperature and 140°F supply water temperature

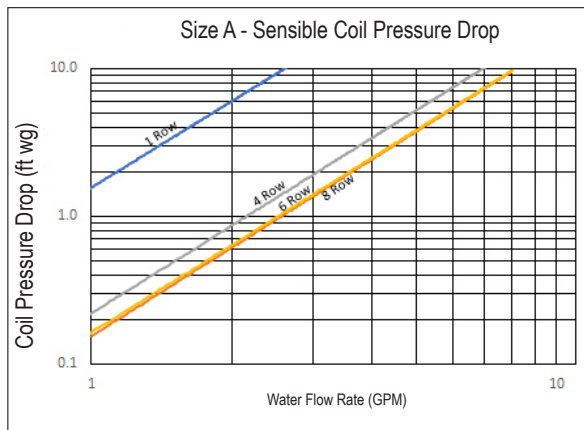
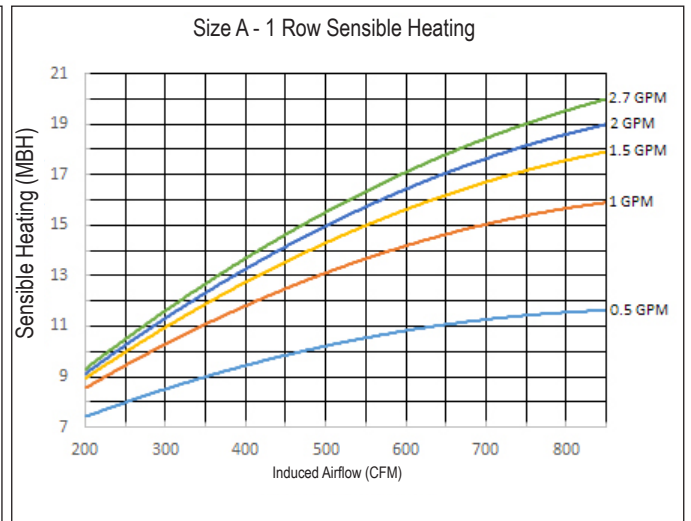
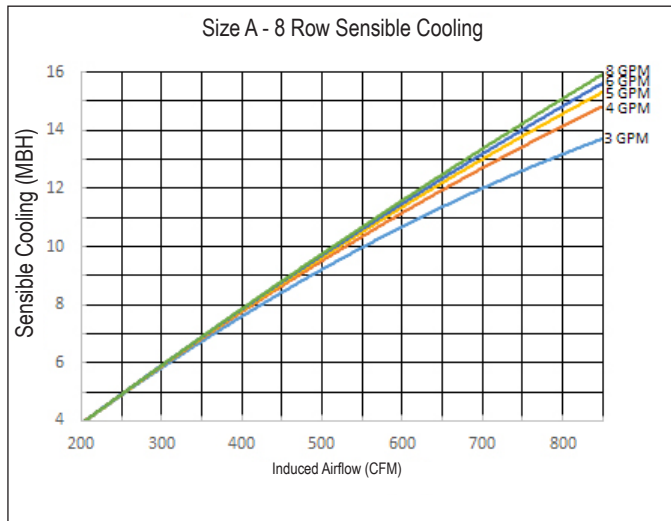
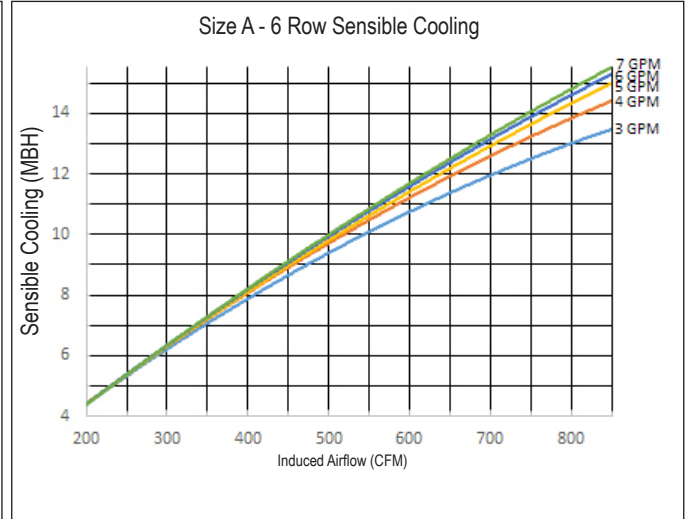
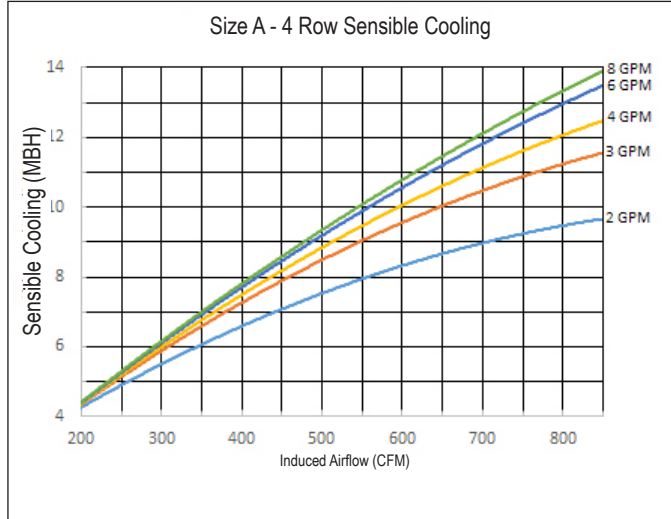
CORRECTION FACTORS FOR OTHER COOLING ENTERING CONDITIONS:

Actual ΔT	10	12	14	16	18	20	22	24
Cooling Factor	0.56	0.67	0.78	0.89	1.00	1.11	1.22	1.33

CORRECTION FACTORS FOR OTHER HEATING ENTERING CONDITIONS:

$\Delta T(^{\circ}F)$	60	65	70	75	80	85	90
Heating Factor:	1.14	1.07	1.00	0.93	0.86	0.79	0.71

DLSC / SENSIBLE WATER COIL



Notes:

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Cooling capacity is based on 75°F room air temperature and 57°F supply water temperature

Heating capacity is based on 70°F room air temperature and 140°F supply water temperature

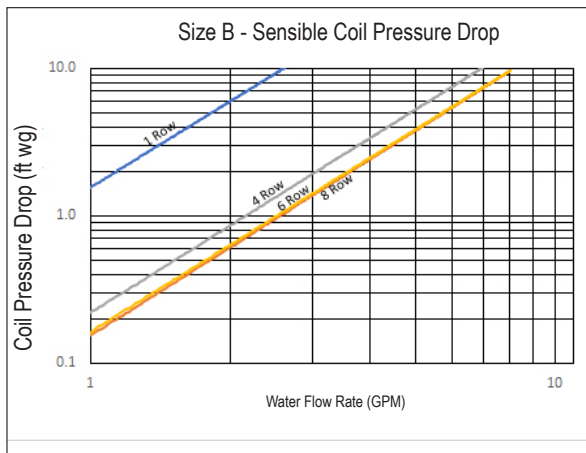
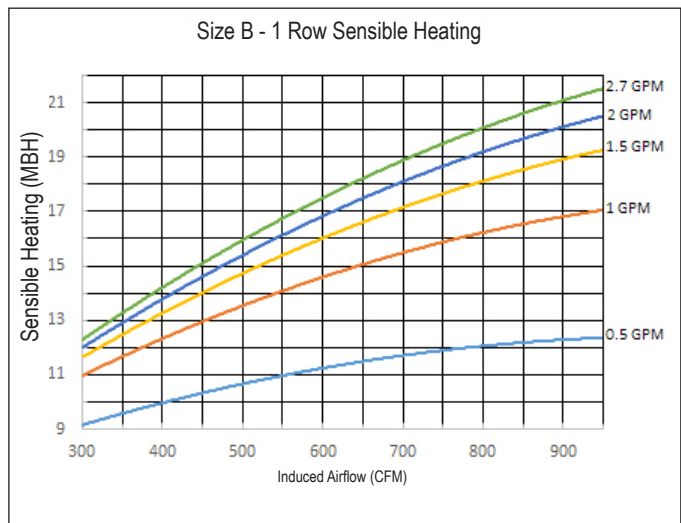
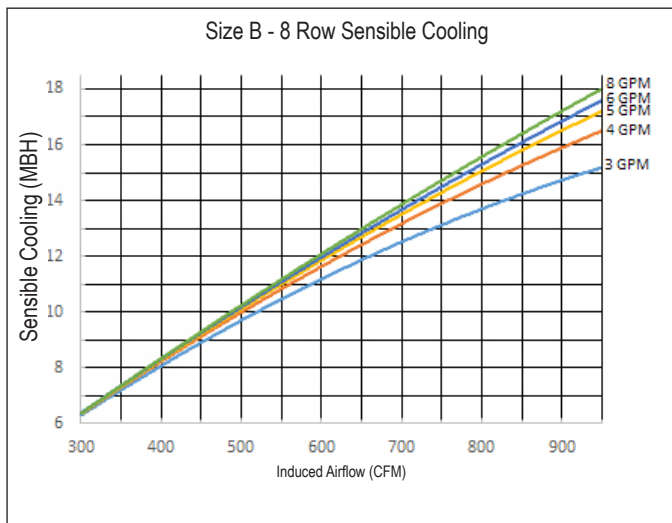
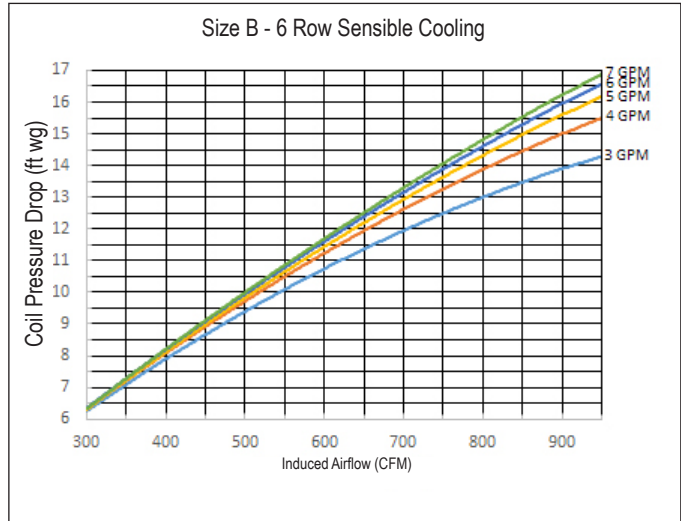
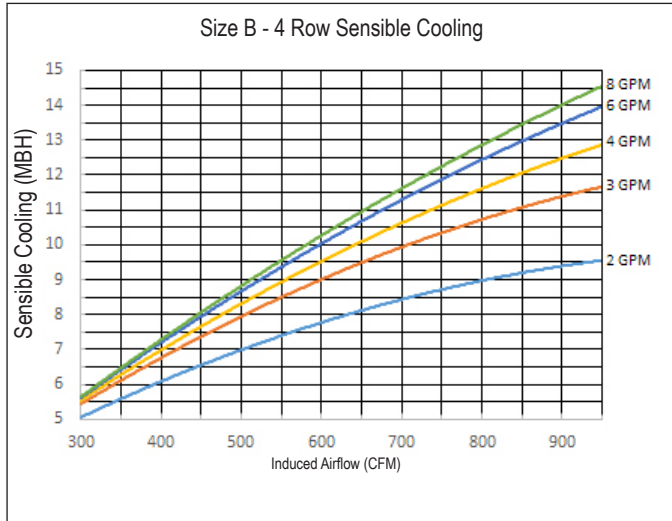
CORRECTION FACTORS FOR OTHER COOLING ENTERING CONDITIONS:

Actual ΔT	10	12	14	16	18	20	22	24
Cooling Factor	0.56	0.67	0.78	0.89	1.00	1.11	1.22	1.33

CORRECTION FACTORS FOR OTHER HEATING ENTERING CONDITIONS:

ΔT (°F)	60	65	70	75	80	85	90
Heating Factor:	1.14	1.07	1.00	0.93	0.86	0.79	0.71

DLSC / SENSIBLE WATER COIL



Notes:

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Cooling capacity is based on 75°F room air temperature and 57°F supply water temperature

Heating capacity is based on 70°F room air temperature and 140°F supply water temperature

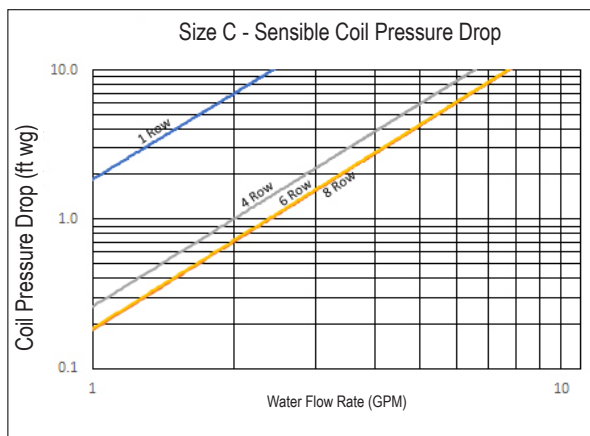
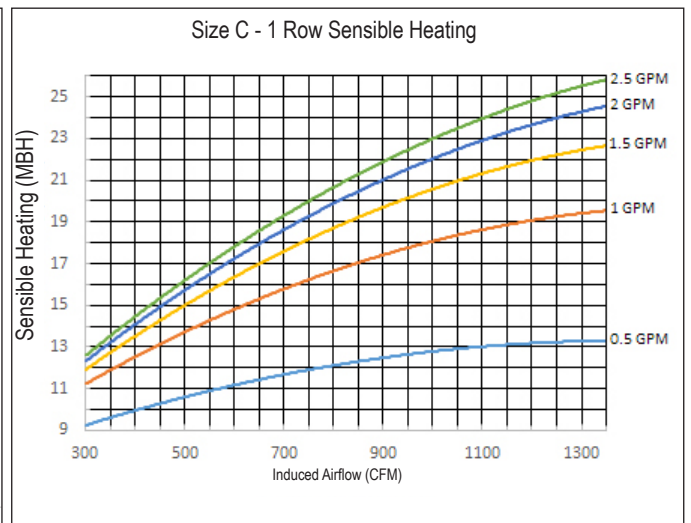
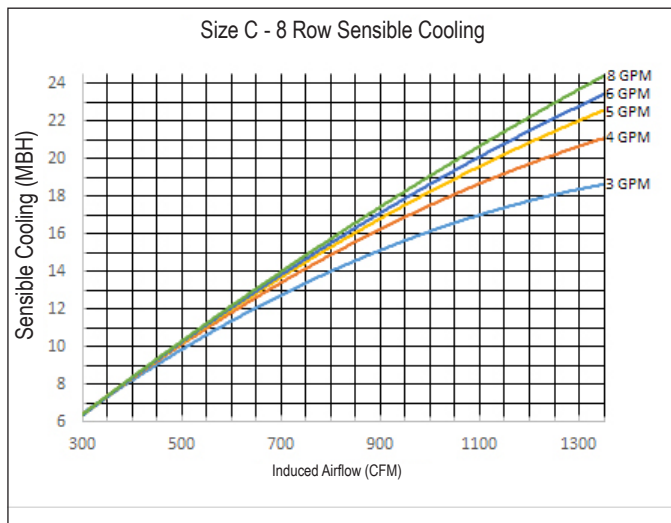
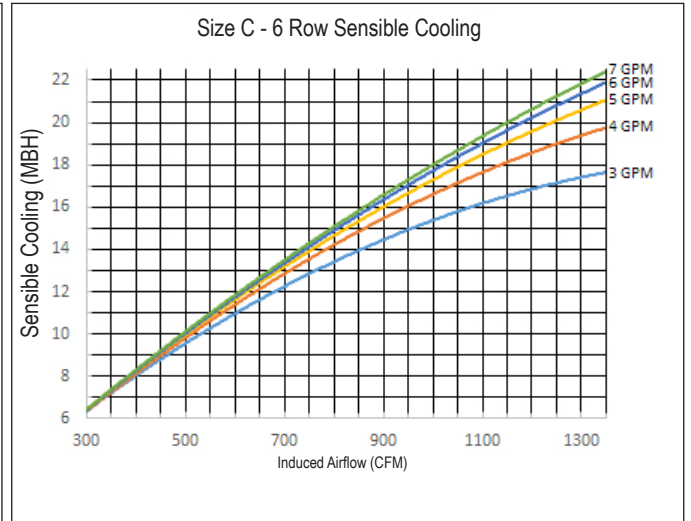
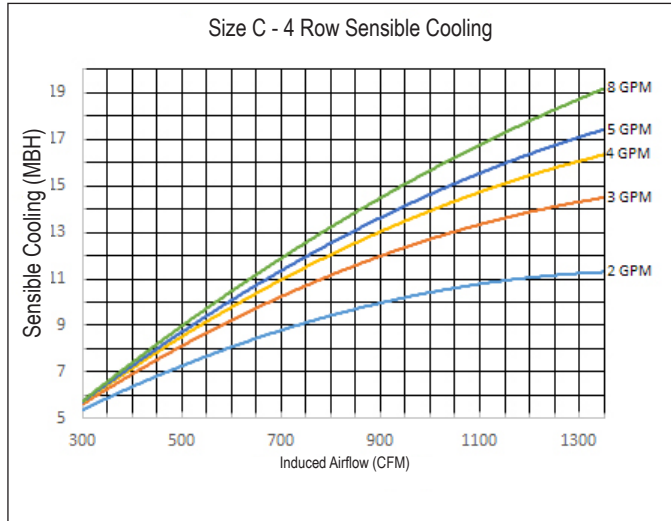
CORRECTION FACTORS FOR OTHER COOLING ENTERING CONDITIONS:

Actual ΔT	10	12	14	16	18	20	22	24
Cooling Factor	0.56	0.67	0.78	0.89	1.00	1.11	1.22	1.33

CORRECTION FACTORS FOR OTHER HEATING ENTERING CONDITIONS:

ΔT(°F)	60	65	70	75	80	85	90
Heating Factor:	1.14	1.07	1.00	0.93	0.86	0.79	0.71

DLSC / SENSIBLE WATER COIL



Notes:

Capacity shown is for the sensible coil only. It does not include any contribution or offset from the primary air.

Cooling capacity is based on 75°F room air temperature and 57°F supply water temperature

Heating capacity is based on 70°F room air temperature and 140°F supply water temperature

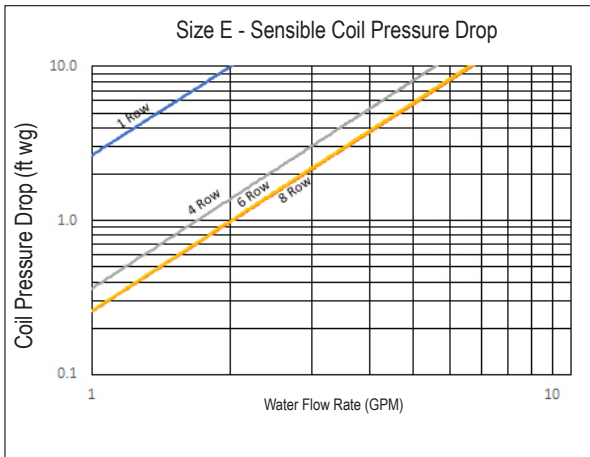
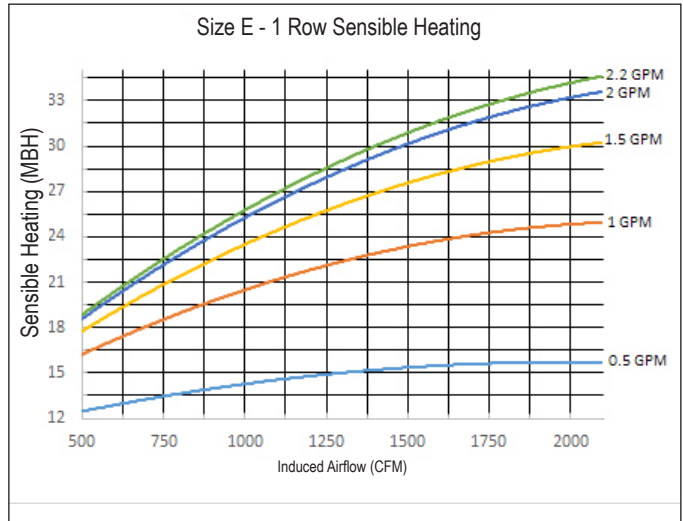
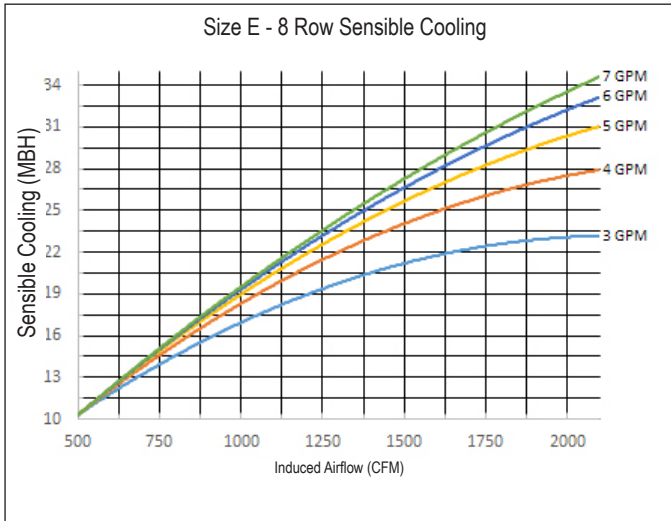
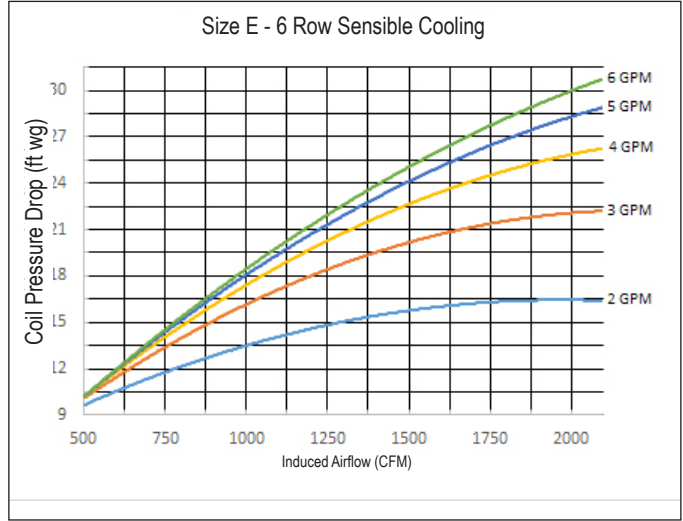
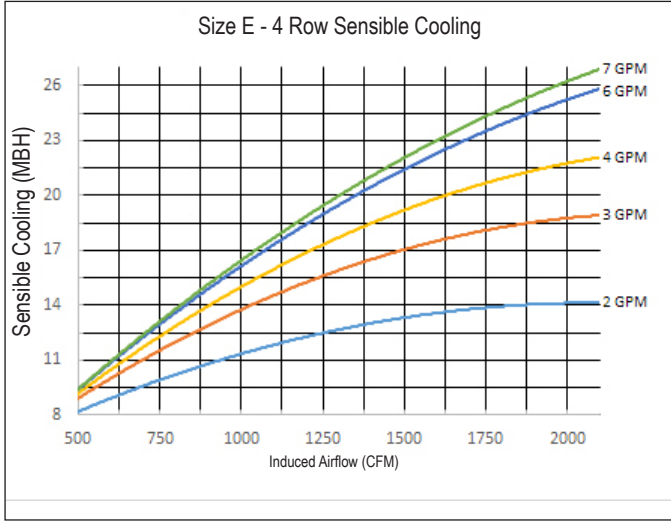
CORRECTION FACTORS FOR OTHER COOLING ENTERING CONDITIONS:

Actual ΔT	10	12	14	16	18	20	22	24
Cooling Factor	0.56	0.67	0.78	0.89	1.00	1.11	1.22	1.33

CORRECTION FACTORS FOR OTHER HEATING ENTERING CONDITIONS:

ΔT (°F)	60	65	70	75	80	85	90
Heating Factor:	1.14	1.07	1.00	0.93	0.86	0.79	0.71

DLSC / SENSIBLE WATER COIL



Notes:

Capacity shown is for the sensible coil only. It does not include any contribution or offset from the primary air.

Cooling capacity is based on 75°F room air temperature and 57°F supply water temperature

Heating capacity is based on 70°F room air temperature and 140°F supply water temperature

CORRECTION FACTORS FOR OTHER COOLING ENTERING CONDITIONS:

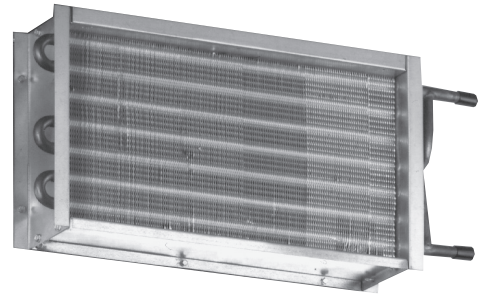
Actual ΔT	10	12	14	16	18	20	22	24
Cooling Factor	0.56	0.67	0.78	0.89	1.00	1.11	1.22	1.33

CORRECTION FACTORS FOR OTHER HEATING ENTERING CONDITIONS:

ΔT(°F)	60	65	70	75	80	85	90
Heating Factor:	1.14	1.07	1.00	0.93	0.86	0.79	0.71

DLSC DISCHARGE HOT WATER COIL

- All coil performance in accordance with AHRI 410-2001
- Heating and cooling capacities are in MBH (1,000 Btu/h)
- Data based on 180°F entering water and 65°F entering air, for temperature differentials other than 115°, multiply MBH by correction factors below
- Refer to submittal documentation for pipe sizes and connection locations
- Air temperature rise = 927 x corrected MBH /gpm
- Water temperature drop = 2.04 x corrected MBH /gpm
- Coils are rated to 200°F (No steam applications)
- Coils are tested for leakage at test pressure of 500 psi
- Water flows less than those shown may result in water laminar flow and reduced heating/cooling capacities. Whenever possible, reduce the number of coil rows to increase water velocity into turbulent range.



Size	Rows	(gpm)	Head Loss	Airflow, cfm									
				150	225	300	375	450	525	600	675	750	
1 + A	1	1.0	0.09	7.8	9.4	10.6	11.5	12.3	12.9	13.5	13.9	14.4	
		2.0	0.32	8.5	10.5	12.1	13.3	14.4	15.3	16.0	16.7	17.4	
		3.0	0.69	8.8	11.0	12.7	14.1	15.2	16.2	17.1	17.9	18.6	
		4.0	1.18	9.0	11.2	13.0	14.5	15.7	16.8	17.7	18.6	19.3	
		Airside ΔPs		0.01	0.01	0.02	0.03	0.04	0.05	0.06	0.08	0.09	
	2	1.0	0.18	11.8	14.9	17.2	18.9	20.3	21.5	22.5	23.3	24.1	
		2.0	0.59	12.8	16.8	19.9	22.5	24.7	26.6	28.2	29.7	30.9	
		3.0	1.26	13.2	17.5	20.9	23.9	26.4	28.6	30.5	32.3	33.8	
		4.0	2.15	13.4	17.8	21.5	24.6	27.3	29.7	31.8	33.7	35.2	
		Airside ΔPs		0.01	0.03	0.05	0.07	0.09	0.12	0.15	0.18	0.21	

Size	Rows	(gpm)	Head Loss	Airflow, cfm									
				125	210	295	380	470	555	640	730	825	
2 + B	1	1.0	0.09	7.1	9.1	10.5	11.6	12.5	13.1	13.7	14.2	14.7	
		2.0	0.32	7.7	10.2	12.0	13.4	14.6	15.6	16.4	17.2	17.9	
		3.0	0.69	7.9	10.6	12.6	14.1	15.5	16.6	17.6	18.4	19.3	
		4.0	1.18	8.0	10.8	12.9	14.5	16.0	17.2	18.2	19.1	20.0	
		Airside ΔPs		0.00	0.01	0.02	0.03	0.04	0.05	0.07	0.09	0.11	
	2	1.0	0.18	10.5	14.4	17.0	19.0	20.7	21.9	23.0	23.9	24.7	
		2.0	0.59	11.2	16.1	19.7	22.7	25.2	27.3	29.0	30.6	32.1	
		3.0	1.25	11.5	16.7	20.7	24.1	27.0	29.4	31.5	33.4	35.2	
		4.0	2.14	11.7	17.0	21.3	24.8	28.0	30.6	32.8	35.0	37.0	
		Airside ΔPs		0.01	0.03	0.05	0.07	0.10	0.13	0.16	0.20	0.25	

Size	Rows	(gpm)	Head Loss	Airflow, cfm									
				175	280	385	495	600	705	815	920	1025	
3 + C	1	1.0	0.12	9.0	11.2	12.7	13.9	14.8	15.6	16.2	16.8	17.2	
		2.0	0.39	10.0	12.7	14.7	16.4	17.7	18.8	19.8	20.6	21.3	
		3.0	0.82	10.3	13.3	15.5	17.4	18.9	20.1	21.3	22.2	23.1	
		4.0	1.41	10.5	13.6	16.0	18.0	19.5	20.9	22.1	23.1	24.1	
		Airside ΔPs		0.01	0.01	0.02	0.03	0.05	0.06	0.08	0.09	0.11	
	2	1.0	0.22	13.6	17.6	20.5	22.6	24.2	25.5	26.6	27.5	28.3	
		2.0	0.68	14.9	20.3	24.4	27.8	30.4	32.6	34.6	36.3	37.7	
		3.0	1.46	15.4	21.2	25.8	29.8	32.9	35.6	38.0	40.1	41.9	
		4.0	2.52	15.6	21.7	26.6	30.8	34.2	37.2	39.9	42.2	44.4	
		Airside ΔPs		0.01	0.03	0.05	0.08	0.11	0.14	0.18	0.22	0.27	

Size	Rows	(gpm)	Head Loss	Airflow, cfm									
				300	450	600	750	900	1050	1200	1350	1500	
5 + E	1	1.0	0.20	14.8	17.5	19.5	21.0	22.1	23.1	23.9	24.6	25.2	
		2.0	0.62	16.8	20.6	23.6	25.8	27.7	29.3	30.7	31.9	33.0	
		3.0	1.31	17.6	21.9	25.1	27.8	30.0	31.9	33.6	35.1	36.4	
		4.0	2.24	18.0	22.5	26.0	28.9	31.3	33.4	35.2	36.9	38.4	
		Airside ΔPs		0.01	0.01	0.02	0.02	0.03	0.04	0.05	0.07	0.08	
	2	1.0	0.44	21.7	26.6	29.9	32.2	34.0	35.5	36.6	37.6	38.4	
		2.0	1.19	24.9	32.0	37.5	41.9	45.4	48.4	50.9	53.1	55.0	
		3.0	2.52	26.0	34.1	40.5	45.8	50.3	54.1	57.4	60.3	62.9	
		4.0	4.30	26.6	35.2	42.2	48.0	53.0	57.3	61.1	64.5	67.6	
		Airside ΔPs		0.01	0.03	0.04	0.06	0.08	0.10	0.13	0.16	0.19	

Correction factors for other entering conditions:

ΔT	50	60	70	80	90	100	115	125	140	150
Factor	0.44	0.52	0.61	0.7	0.79	0.88	1	1.07	1.2	1.3

DLSC / DISCHARGE SOUND POWER LEVELS WITH NC

Unit Size	Inlet Size	Fan Airflow (cfm)	Primary Airflow (cfm)	Min. Inlet Ps (in. wc)	Octave Band Sound Power Levels, Lw (dB)																											
					Fan Only							0.5" Inlet Ps							1.0" Inlet Ps							1.5" Inlet Ps						
					2	3	4	5	6	7	NC	2	3	4	5	6	7	NC	2	3	4	5	6	7	NC	2	3	4	5	6	7	NC
1	4	790	220	0.35	80	77	73	73	71	69	37	81	76	72	72	69	68	36	81	76	72	72	70	68	36	82	76	72	72	70	69	36
		790	170	0.21	80	77	73	73	71	69	37	81	76	72	72	70	68	36	81	76	72	72	70	69	36	81	76	72	72	70	69	36
		600	130	0.12	75	71	67	67	64	62	31	76	71	68	67	64	62	31	76	71	68	67	65	62	31	76	71	68	67	65	63	31
		350	100	0.07	64	58	57	55	51	47	-	66	61	59	57	54	49	-	67	61	60	58	54	50	-	67	61	60	58	54	50	-
		150	80	0.05	47	38	41	37	31	25	-	51	45	46	42	37	29	-	52	45	46	42	37	30	-	52	45	46	42	37	30	-
	6	790	490	0.24	80	77	73	73	71	69	37	81	76	71	71	68	67	36	82	76	71	71	69	67	36	82	76	71	71	69	68	36
		790	390	0.15	80	77	73	73	71	69	37	81	76	72	71	69	67	36	82	76	72	71	69	68	36	82	76	72	71	69	68	36
		600	290	0.08	75	71	67	67	64	62	31	76	71	67	66	63	61	31	77	71	67	66	64	61	33	77	71	68	67	64	62	33
		350	180	0.03	64	58	57	55	51	47	-	67	61	59	57	53	49	-	67	61	59	57	53	49	-	67	61	59	57	54	49	-
		150	120	0.01	47	38	41	37	31	25	-	51	44	45	40	36	29	-	51	44	45	41	36	29	-	52	44	45	41	36	29	-
2	4	810	220	0.35	81	76	71	71	69	67	36	78	71	66	63	60	56	31	78	71	67	64	61	57	31	79	72	67	64	62	58	33
		810	170	0.21	81	76	71	71	69	67	36	76	69	65	61	59	53	29	77	70	66	62	59	54	30	77	70	66	62	60	55	30
		600	130	0.12	75	69	66	65	62	59	30	72	64	61	57	54	47	26	72	65	62	57	54	49	26	73	65	62	58	55	49	28
		350	100	0.07	64	57	56	54	51	46	-	64	57	55	51	47	39	-	64	57	56	51	47	40	-	65	58	56	51	48	41	-
		150	80	0.05	47	38	41	37	33	25	-	52	46	46	42	37	27	-	52	46	46	42	37	28	-	53	47	47	42	38	29	-
	6	810	490	0.24	81	76	71	71	69	67	36	81	74	69	68	66	64	35	81	75	70	69	66	65	35	82	75	70	69	67	66	36
		810	390	0.15	81	76	71	71	69	67	36	80	73	69	67	64	62	34	81	74	69	67	65	63	35	81	74	70	68	66	64	35
		600	290	0.08	75	69	66	65	62	59	30	75	68	65	62	59	56	30	75	69	65	63	60	57	30	76	69	65	63	61	57	31
		350	180	0.03	64	57	56	54	51	46	-	66	60	57	54	51	45	-	66	60	58	55	51	46	-	67	61	58	55	52	47	-
		150	120	0.01	47	38	41	37	33	25	-	52	46	46	43	38	30	-	53	47	47	44	39	31	-	53	47	47	44	39	32	-
	8	810	750	0.17	81	76	71	71	69	67	36	80	73	68	68	65	64	34	80	74	69	68	66	66	34	81	74	69	69	66	66	35
		810	700	0.15	81	76	71	71	69	67	36	81	74	69	68	66	65	35	81	75	70	69	67	66	35	82	75	70	69	67	67	36
		600	520	0.08	75	69	66	65	62	59	30	75	69	65	64	61	59	30	76	70	66	64	62	60	31	76	70	66	65	62	61	31
		350	310	0.03	64	57	56	54	51	46	-	66	60	57	55	52	47	-	67	60	58	56	53	49	-	67	61	58	56	53	49	-
		150	140	0.01	47	38	41	37	33	25	-	51	45	45	42	37	29	-	52	45	45	42	37	30	-	52	46	46	43	38	31	-

DLSC / DISCHARGE SOUND POWER LEVELS WITH NC

Unit Size	Inlet Size	Fan Airflow (cfm)	Primary Airflow (cfm)	Min. Inlet Ps (in. wc)	Octave Band Sound Power Levels, Lw (dB)																											
					Fan Only							0.5" Inlet Ps							1.0" Inlet Ps							1.5" Inlet Ps						
					2	3	4	5	6	7	NC	2	3	4	5	6	7	NC	2	3	4	5	6	7	NC	2	3	4	5	6	7	NC
3	4	1220	220	0.35	87	81	75	73	73	72	43	82	77	72	72	71	70	37	83	78	73	72	72	70	38	83	78	74	73	72	71	38
		1220	170	0.21	87	81	75	73	73	72	43	81	76	72	71	70	69	36	82	77	73	72	71	70	37	83	77	73	72	72	70	38
		750	150	0.16	74	68	65	63	61	59	26	74	66	64	63	61	58	26	74	67	65	64	62	59	26	75	68	65	64	62	59	28
		500	120	0.10	63	57	56	54	52	48	-	67	58	57	56	53	49	-	68	59	58	57	53	49	21	68	59	58	57	54	50	21
		340	90	0.06	53	46	48	46	43	37	-	60	50	50	49	44	40	-	61	51	51	50	45	40	-	62	51	52	50	46	41	-
	6	1220	490	0.24	87	81	75	73	73	72	43	84	79	74	73	73	71	39	85	80	75	74	73	72	40	85	81	75	74	74	72	42
		1220	390	0.15	87	81	75	73	73	72	43	83	79	74	73	72	71	39	84	80	74	73	73	71	40	85	80	75	74	73	72	40
		750	330	0.11	74	68	65	63	61	59	26	75	69	66	64	62	59	28	76	70	66	65	63	60	29	77	71	67	65	64	60	30
		500	270	0.07	63	57	56	54	52	48	-	69	61	59	57	54	50	22	70	62	59	58	55	51	24	70	62	60	58	55	51	24
		340	120	0.01	53	46	48	46	43	37	-	61	51	51	49	45	40	-	62	52	52	50	46	41	-	63	52	52	51	46	41	-
	8	1220	870	0.22	87	81	75	73	73	72	43	85	82	75	74	74	71	43	86	83	76	74	74	72	44	87	83	76	75	75	73	44
		1220	700	0.15	87	81	75	73	73	72	43	85	81	75	73	73	71	42	86	82	75	74	74	72	43	86	82	76	75	75	72	43
		750	590	0.10	74	68	65	63	61	59	26	77	72	67	65	63	60	31	78	73	68	65	64	60	32	79	73	68	66	64	61	33
		500	490	0.07	63	57	56	54	52	48	-	71	65	61	57	54	49	25	72	66	62	57	54	49	26	73	66	62	58	55	50	28
		340	210	0.01	53	46	48	46	43	37	-	62	53	52	50	46	41	-	63	54	53	51	47	41	-	64	54	53	51	47	42	-
	10	1220	1090	0.15	87	81	75	73	73	72	43	86	83	76	74	73	71	44	87	84	77	74	74	72	45	88	85	77	75	75	72	46
		1220	950	0.12	87	81	75	73	73	72	43	86	82	76	74	74	71	43	87	83	76	74	74	72	44	87	84	77	75	75	73	45
		750	820	0.09	74	68	65	63	61	59	26	78	73	68	65	63	60	32	79	74	69	66	64	60	33	80	75	69	66	65	61	34
		500	550	0.04	63	57	56	54	52	48	-	71	64	61	58	55	50	25	72	65	61	58	56	51	26	72	66	62	59	56	51	26
		340	270	0.01	53	46	48	46	43	37	-	63	54	53	50	46	41	-	64	55	54	51	47	41	-	65	56	54	51	47	42	-
5	6	2025	490	0.24	84	80	75	75	74	73	40	78	75	72	71	71	69	34	78	76	72	71	71	70	36	79	77	72	72	71	70	37
		2025	390	0.15	84	80	75	75	74	73	40	78	76	72	71	71	69	36	79	77	72	72	72	70	37	79	77	73	72	72	70	37
		1500	330	0.11	77	74	70	68	67	64	33	74	71	68	67	66	62	30	75	72	68	67	66	63	31	75	73	68	67	66	63	32
		1000	270	0.07	68	65	62	60	58	53	23	69	65	62	60	58	53	23	70	66	62	61	58	53	24	70	67	62	61	59	54	25
		500	200	0.04	53	50	50	46	43	35	-	60	55	52	49	45	36	-	60	56	52	50	45	37	-	61	57	52	50	45	37	-
	8	2025	870	0.22	84	80	75	75	74	73	40	76	74	71	71	70	68	33	77	75	72	71	70	69	34	77	76	72	71	71	69	36
		2025	700	0.15	84	80	75	75	74	73	40	77	74	72	71	70	69	33	77	75	72	71	71	69	34	78	76	72	71	71	70	36
		1500	590	0.10	77	74	70	68	67	64	33	73	70	67	66	65	62	28	74	71	68	66	65	62	30	74	72	68	67	65	63	31
		1000	490	0.07	68	65	62	60	58	53	23	68	64	61	60	57	52	21	68	65	62	60	57	53	23	69	66	62	60	58	53	24
		500	350	0.04	53	50	50	46	43	35	-	59	54	51	49	44	36	-	59	55	52	49	44	36	-	60	56	52	50	45	37	-
	10	2025	1090	0.15	84	80	75	75	74	73	40	76	74	71	70	70	68	33	77	75	72	71	70	69	34	77	75	72	71	70	69	34
		2025	950	0.12	84	80	75	75	74	73	40	76	74	71	70	70	68	33	77	75	72	71	70	69	34	77	75	72	71	70	69	34
		1500	820	0.09	77	74	70	68	67	64	33	72	70	67	66	64	61	28	73	71	67	66	65	62	30	73	71	68	66	65	62	30
		1000	650	0.06	68	65	62	60	58	53	23	67	64	61	59	57	52	21	68	65	62	60	57	52	23	68	65	62	60	57	53	23
		500	380	0.02	53	50	50	46	43	35	-	59	54	51	49	44	35	-	59	55	52	49	44	36	-	60	56	52	50	44	36	-
	12	2025	1570	0.15	84	80	75	75	74	73	40	75	73	71	70	69	67	32	76	74	72	71	69	68	33	77	75	72	71	70	68	34
		2025	1370	0.12	84	80	75	75	74	73	40	75	73	71	70	69	68	32	76	74	72	71	70	68	33	77	75	72	71	70	69	34
		1500	1180	0.09	77	74	70	68	67	64	33	72	69	67	66	64	60	27	72	70	67	66	64	61	28	73	71	68	66	64	61	30
		1000	790	0.04	68	65	62	60	58	53	23	67	64	61	59	56	51	21	68	65	62	60	57	52	23	68	65	62	60	57	52	23
		500	390	0.01	53	50	50	46	43	35	-	59	54	51	49	44	35	-	59	55	52	49	44	36	-	60	56	52	50	44	36	-

- Discharge sound is the noise emitted from the unit discharge into the downstream ductwork
- Min ΔPs is the difference between atmospheric pressure and the inlet static pressure with the primary damper full open and the unit fan set to match the primary flow
- Sound power levels are in dB, ref 10⁻¹² watts
- Sound performance based on units lined with standard dual density fiberglass lining
- All performance based on tests conducted in accordance with ASHRAE 130-2008 and AHRI 880-2011
- All NC levels determined using AHRI 885-2008 Appendix E. See Terminal Unit Engineering Guidelines.

DLSC / DISCHARGE SOUND POWER LEVELS WITH NC

Unit Size	Inlet Size	Fan Airflow (cfm)	Primary Airflow (cfm)	Min. Inlet Ps (in. wc)	Octave Band Sound Power Levels, Lw (dB)																											
					Fan Only							0.5" Inlet Ps							1.0" Inlet Ps							1.5" Inlet Ps						
					2	3	4	5	6	7	NC	2	3	4	5	6	7	NC	2	3	4	5	6	7	NC	2	3	4	5	6	7	NC
A	4	850	220	0.35	80	75	71	71	69	68	34	79	74	71	70	68	67	33	79	74	71	70	68	67	33	79	74	71	70	68	67	33
		850	170	0.21	80	75	71	71	69	68	34	79	74	71	70	68	67	33	79	74	71	70	68	67	33	79	74	71	70	68	67	33
		600	130	0.12	72	67	65	64	62	59	26	71	67	64	63	61	58	26	71	67	65	63	61	58	26	71	67	65	63	61	58	26
		400	100	0.07	63	58	58	56	53	49	-	62	58	57	55	52	47	-	63	58	57	55	52	47	-	63	58	57	55	52	47	-
	180	80	0.05	46	41	44	41	36	28	-	46	41	44	40	35	26	-	46	41	44	40	35	26	-	46	41	44	40	35	26	-	
	6	850	470	0.22	80	75	71	71	69	68	34	80	75	71	70	68	67	34	80	75	71	71	68	67	34	80	75	71	71	68	67	34
		850	390	0.15	80	75	71	71	69	68	34	80	74	71	70	68	67	34	80	75	71	70	68	67	34	80	75	71	70	68	67	34
		600	290	0.08	72	67	65	64	62	59	26	72	67	65	63	61	58	26	72	67	65	64	61	58	26	72	67	65	64	61	58	26
		400	180	0.03	63	58	58	56	53	49	-	63	58	57	55	52	47	-	63	58	58	56	52	47	-	63	59	58	56	52	47	-
		180	120	0.01	46	41	44	41	36	28	-	47	42	44	40	36	27	-	47	42	44	40	36	27	-	47	42	44	40	36	27	-
B		4	955	220	0.35	79	76	71	72	70	68	36	78	75	71	71	69	68	34	79	76	71	71	69	68	36	79	76	71	71	69	68
	955		170	0.21	79	76	71	72	70	68	36	78	75	71	71	69	68	34	78	76	71	71	69	68	36	78	76	71	71	69	68	36
	700		130	0.12	73	69	66	66	64	61	28	72	69	66	65	63	60	28	72	69	66	65	63	60	28	72	69	66	65	63	60	28
	400		100	0.07	61	58	57	56	52	47	-	61	58	56	55	51	45	-	61	58	56	55	51	46	-	61	58	56	55	51	46	-
	260		80	0.05	53	49	50	48	44	36	-	52	49	49	47	42	34	-	52	49	49	47	42	35	-	53	49	49	47	42	35	-
	6	955	490	0.24	79	76	71	72	70	68	36	79	76	71	71	69	68	36	79	76	71	71	69	68	36	79	76	71	71	69	68	36
		955	390	0.15	79	76	71	72	70	68	36	79	76	71	71	69	68	36	79	76	71	71	69	68	36	79	76	71	71	69	68	36
		700	290	0.08	73	69	66	66	64	61	28	72	69	66	65	63	60	28	73	69	66	65	63	60	28	73	69	66	65	63	60	28
		400	180	0.03	61	58	57	56	52	47	-	61	58	56	55	51	45	-	61	58	56	55	51	46	-	62	58	56	55	51	46	-
		260	120	0.01	53	49	50	48	44	36	-	52	49	49	47	42	34	-	53	49	49	47	42	35	-	53	49	49	47	42	35	-
	8	955	770	0.18	79	76	71	72	70	68	36	77	76	71	72	69	68	36	77	76	71	72	70	68	36	78	76	71	72	70	68	36
		955	700	0.15	79	76	71	72	70	68	36	78	76	71	71	69	68	36	78	76	71	71	69	68	36	78	76	71	71	69	68	36
		700	520	0.08	73	69	66	66	64	61	28	71	69	66	66	63	60	28	72	70	66	66	63	60	30	72	70	66	66	63	60	30
		400	310	0.03	61	58	57	56	52	47	-	60	58	56	55	51	46	-	60	58	57	55	52	46	-	60	58	57	55	52	46	-
260		140	0.01	53	49	50	48	44	36	-	52	49	49	47	42	35	-	53	49	49	47	42	35	-	53	49	49	47	42	35	-	

DLSC / DISCHARGE SOUND POWER LEVELS WITH NC

Unit Size	Inlet Size	Fan Airflow (cfm)	Primary Airflow (cfm)	Min. Inlet Ps (in. wc)	Octave Band Sound Power Levels, Lw (dB)																											
					Fan Only							0.5" Inlet Ps							1.0" Inlet Ps							1.5" Inlet Ps						
					2	3	4	5	6	7	NC	2	3	4	5	6	7	NC	2	3	4	5	6	7	NC	2	3	4	5	6	7	NC
C	4	1360	220	0.35	82	78	73	71	71	70	38	81	78	73	71	70	69	38	81	78	73	71	70	69	38	81	78	73	71	70	69	38
		1360	170	0.21	82	78	73	71	71	70	38	80	78	73	71	70	69	38	80	78	73	71	70	69	38	80	78	73	71	70	69	38
		750	150	0.16	70	65	63	61	58	55	23	70	66	63	60	58	54	24	70	66	63	61	58	55	24	70	66	63	61	58	55	24
		500	120	0.10	61	57	56	53	50	45	-	63	58	56	53	50	44	-	63	58	56	54	50	45	-	63	58	56	54	50	45	-
		340	90	0.06	53	48	49	47	42	35	-	56	50	49	47	42	35	-	56	50	49	47	42	35	-	56	50	49	47	42	36	-
	6	1360	490	0.24	82	78	73	71	71	70	38	82	79	73	71	70	69	39	82	79	73	71	70	70	39	82	79	74	71	71	70	39
		1360	390	0.15	82	78	73	71	71	70	38	82	78	73	71	70	69	38	82	79	73	71	70	70	39	82	79	74	71	71	70	39
		750	330	0.11	70	65	63	61	58	55	23	71	66	63	61	58	55	24	71	67	63	61	58	55	25	71	67	63	61	59	55	25
		500	270	0.07	61	57	56	53	50	45	-	63	58	56	53	50	45	-	64	58	56	54	50	45	-	64	58	56	54	50	45	-
		340	120	0.01	53	48	49	47	42	35	-	56	50	49	47	42	35	-	56	50	49	47	42	35	-	57	50	49	47	43	36	-
	8	1360	870	0.22	82	78	73	71	71	70	38	82	79	73	71	70	69	39	82	79	73	71	70	70	39	82	79	73	71	70	70	39
		1360	700	0.15	82	78	73	71	71	70	38	82	79	73	71	70	69	39	82	79	73	71	70	70	39	82	79	74	71	71	70	39
		750	590	0.10	70	65	63	61	58	55	23	70	66	62	60	58	54	24	70	66	63	60	58	54	24	70	67	63	61	58	55	25
		500	490	0.07	61	57	56	53	50	45	-	56	56	53	52	47	42	-	56	57	54	52	47	42	-	56	57	54	52	48	42	-
		340	210	0.01	53	48	49	47	42	35	-	56	50	49	47	42	35	-	56	50	49	47	42	35	-	56	50	49	47	42	36	-
	10	1360	1090	0.15	82	78	73	71	71	70	38	81	79	73	71	70	69	39	81	79	73	71	70	69	39	81	79	73	71	70	69	39
		1360	950	0.12	82	78	73	71	71	70	38	81	79	73	71	70	69	39	82	79	73	71	70	69	39	82	79	73	71	70	70	39
		750	680	0.06	70	65	63	61	58	55	23	68	66	62	60	57	53	24	68	66	62	60	57	54	24	68	66	62	60	57	54	24
		500	410	0.02	61	57	56	53	50	45	-	62	58	55	53	49	44	-	62	58	56	53	49	44	-	62	58	56	53	50	44	-
		340	270	0.01	53	48	49	47	42	35	-	55	50	49	46	42	35	-	55	50	49	46	42	35	-	55	50	49	47	42	35	-
E	6	2090	490	0.24	80	79	75	74	73	72	39	79	78	74	73	72	71	38	79	78	74	73	72	71	38	79	78	74	73	72	71	38
		2090	390	0.15	80	79	75	74	73	72	39	79	78	74	73	73	71	38	79	78	74	73	73	71	38	79	78	74	73	73	71	38
		1500	330	0.11	74	72	69	67	66	63	31	74	71	68	67	65	62	30	74	71	68	67	65	62	30	74	71	68	67	65	62	30
		1000	270	0.07	67	63	61	60	57	52	20	68	63	61	59	56	51	20	68	63	61	59	56	51	20	68	63	61	59	56	51	20
		500	200	0.04	54	49	49	46	41	33	-	57	48	48	46	40	32	-	57	48	48	45	40	32	-	57	48	48	45	40	32	-
	8	2090	870	0.22	80	79	75	74	73	72	39	78	77	74	73	72	70	37	78	78	74	73	72	70	38	79	78	74	73	72	70	38
		2090	700	0.15	80	79	75	74	73	72	39	78	78	74	73	72	70	38	79	78	74	73	72	70	38	79	78	74	73	72	71	38
		1500	590	0.10	74	72	69	67	66	63	31	73	71	68	67	64	61	30	73	71	68	66	64	61	30	74	71	68	66	64	62	30
		1000	490	0.07	67	63	61	60	57	52	20	67	62	60	59	55	50	-	67	62	60	59	55	50	-	67	62	60	58	55	51	-
		500	350	0.04	54	49	49	46	41	33	-	57	47	48	45	39	31	-	57	48	48	45	39	31	-	57	48	48	45	39	31	-
	10	2090	1090	0.15	80	79	75	74	73	72	39	78	77	74	73	72	70	37	78	77	74	73	72	70	37	78	77	74	72	72	70	37
		2090	950	0.12	80	79	75	74	73	72	39	78	77	74	73	72	70	37	78	78	74	73	72	70	38	78	78	74	73	72	70	38
		1500	820	0.09	74	72	69	67	66	63	31	73	70	68	66	64	61	28	73	70	68	66	64	61	28	74	71	68	66	64	61	30
		1000	650	0.06	67	63	61	60	57	52	20	67	62	60	58	55	50	-	68	62	60	58	55	50	-	68	62	60	58	55	50	-
		500	380	0.02	54	49	49	46	41	33	-	58	47	48	45	39	31	-	58	47	48	45	39	31	-	58	48	48	45	39	31	-
	12	2090	1570	0.15	80	79	75	74	73	72	39	79	77	74	72	71	69	37	79	77	74	72	71	69	37	79	77	74	72	71	69	37
		2090	1370	0.12	80	79	75	74	73	72	39	79	77	74	72	71	69	37	79	77	74	72	71	69	37	79	77	74	72	71	70	37
		1500	1180	0.09	74	72	69	67	66	63	31	74	70	68	66	63	60	28	74	70	68	66	63	60	28	74	70	67	66	63	60	28
		1000	790	0.04	67	63	61	60	57	52	20	68	62	60	58	54	49	-	68	62	60	58	54	49	-	68	62	60	58	54	49	-
		500	390	0.01	54	49	49	46	41	33	-	58	47	48	45	39	31	-	58	47	48	45	39	31	-	58	47	48	45	39	31	-

- Discharge sound is the noise emitted from the unit discharge into the downstream ductwork
- Min ΔPs is the difference between atmospheric pressure and the inlet static pressure with the primary damper full open and the unit fan set to match the primary flow
- Sound power levels are in dB, ref 10⁻¹² watts
- Sound performance based on units lined with standard dual density fiberglass lining
- All performance based on tests conducted in accordance with ASHRAE 130-2008 and AHRI 880-2011
- All NC levels determined using AHRI 885-2008 Appendix E. See Terminal Unit Engineering Guidelines.

DLSC / RADIATED SOUND POWER LEVELS WITH NC

Unit Size	Inlet Size	Fan Airflow (cfm)	Primary Airflow (cfm)	Min. Inlet Ps (in. wc)	Octave Band Sound Power Levels, Lw (dB)																											
					Fan Only							0.5" Inlet Ps							1.0" Inlet Ps							1.5" Inlet Ps						
					2	3	4	5	6	7	NC	2	3	4	5	6	7	NC	2	3	4	5	6	7	NC	2	3	4	5	6	7	NC
1	4	790	220	0.35	71	67	59	57	52	47	38	70	64	56	52	44	37	35	71	66	58	54	48	42	37	71	66	59	55	50	44	37
		790	170	0.21	71	67	59	57	52	47	38	70	64	56	52	44	38	35	70	65	58	54	48	42	36	71	65	59	55	50	44	36
		600	130	0.12	66	60	54	52	46	40	30	65	59	52	49	42	36	29	65	60	54	51	45	40	30	66	61	55	52	47	42	31
		350	100	0.07	55	48	45	41	34	27	-	56	51	47	42	37	31	21	56	52	48	44	41	36	22	57	53	50	45	43	38	24
		150	80	0.05	38	28	30	25	16	5	-	42	38	38	32	29	25	-	43	39	39	34	33	29	-	43	40	41	36	35	31	-
	6	790	490	0.24	71	67	59	57	52	47	38	72	66	58	52	43	37	38	73	67	59	54	47	41	39	73	68	61	55	49	43	39
		790	390	0.15	71	67	59	57	52	47	38	71	66	57	52	43	37	37	72	67	59	54	47	41	38	72	67	60	55	49	43	38
		600	290	0.08	66	60	54	52	46	40	30	66	61	54	49	41	35	31	67	62	56	51	45	39	32	67	63	57	52	47	41	33
		350	180	0.03	55	48	45	41	34	27	-	57	52	48	43	37	31	22	58	53	49	44	40	35	23	58	54	51	46	42	37	25
		150	120	0.01	38	28	30	25	16	5	-	45	38	38	33	29	24	-	45	39	40	35	33	28	-	46	40	41	36	35	31	-
2	4	810	220	0.35	71	66	62	60	58	53	37	69	61	54	51	42	35	34	70	62	56	53	46	39	35	70	63	58	54	48	42	35
		810	170	0.21	71	66	62	60	58	53	37	68	60	54	51	42	34	33	69	61	56	53	45	39	34	69	62	57	54	47	42	34
		600	130	0.12	65	59	56	54	49	43	31	63	55	50	47	39	32	26	64	57	52	49	42	37	28	64	57	53	50	44	39	28
		350	100	0.07	53	46	46	42	34	26	-	54	48	45	41	34	28	-	55	50	47	43	37	33	21	56	51	48	44	39	35	22
		150	80	0.05	35	27	29	24	10	-2	-	42	38	37	30	25	21	-	43	40	39	32	29	26	-	43	40	40	34	31	29	-
	6	810	490	0.24	71	66	62	60	58	53	37	72	65	57	52	42	35	38	72	66	59	54	46	39	38	73	67	60	55	48	42	39
		810	390	0.15	71	66	62	60	58	53	37	71	64	56	51	42	35	36	72	65	58	53	46	40	38	72	66	60	55	48	42	38
		600	290	0.08	65	59	56	54	49	43	31	66	59	53	48	39	33	30	66	61	55	50	43	37	31	67	62	56	51	45	40	32
		350	180	0.03	53	46	46	42	34	26	-	56	51	47	41	34	28	21	57	53	49	43	37	33	23	58	54	50	44	39	35	24
		150	120	0.01	35	27	29	24	10	-2	-	44	39	38	31	25	20	-	45	41	40	33	28	24	-	45	42	42	34	30	27	-
	8	810	770	0.18	71	66	62	60	58	53	37	75	65	58	52	41	30	42	76	67	60	54	45	35	43	76	68	62	55	46	37	43
		810	700	0.15	71	66	62	60	58	53	37	74	66	58	52	42	33	40	75	67	60	54	45	37	42	75	68	61	55	47	40	42
		600	520	0.08	65	59	56	54	49	43	31	69	61	55	48	39	30	34	69	63	57	50	42	35	34	70	64	58	51	44	37	35
		350	310	0.03	53	46	46	42	34	26	-	59	53	48	41	33	25	22	60	54	50	43	37	30	24	61	55	52	45	39	33	26
		150	140	0.01	35	27	29	24	10	-2	-	45	39	39	31	24	17	-	46	41	41	33	28	22	-	47	42	42	34	30	25	-

DLSC / RADIATED SOUND POWER LEVELS WITH NC

Unit Size	Inlet Size	Fan Airflow (cfm)	Primary Airflow (cfm)	Min. Inlet Ps (in. wc)	Octave Band Sound Power Levels, Lw (dB)																											
					Fan Only							0.5" Inlet Ps							1.0" Inlet Ps							1.5" Inlet Ps						
					2	3	4	5	6	7	NC	2	3	4	5	6	7	NC	2	3	4	5	6	7	NC	2	3	4	5	6	7	NC
3	4	1220	220	0.35	75	71	70	68	63	62	46	70	68	66	65	56	45	41	72	70	67	66	58	49	43	72	71	68	67	59	52	44
		1220	170	0.21	75	71	70	68	63	62	46	70	67	65	65	55	45	40	71	70	67	66	57	49	43	72	71	67	66	59	52	43
		750	150	0.16	65	61	62	59	50	47	37	64	61	60	58	49	40	35	66	64	61	59	51	44	36	67	65	62	60	52	47	37
		500	120	0.10	56	52	55	52	40	35	30	60	56	55	53	43	35	30	61	58	56	54	45	40	31	62	60	57	55	46	42	32
		340	90	0.06	48	44	48	45	30	23	22	55	51	50	47	38	31	24	57	54	52	49	40	36	26	58	55	52	49	41	38	26
	6	1220	490	0.24	75	71	70	68	63	62	46	72	69	68	66	57	45	44	73	71	69	67	59	49	45	74	72	70	68	60	51	46
		1220	390	0.15	75	71	70	68	63	62	46	71	69	67	66	56	45	43	73	71	68	67	58	49	44	74	72	69	68	60	51	45
		750	330	0.11	65	61	62	59	50	47	37	66	63	61	59	50	39	36	68	65	63	61	52	44	38	68	66	64	61	53	46	39
		500	270	0.07	56	52	55	52	40	35	30	62	58	57	54	44	35	32	63	60	58	55	46	39	33	64	61	59	56	47	42	34
		340	120	0.01	48	44	48	45	30	23	22	56	52	51	48	38	31	25	57	54	52	49	40	35	26	58	55	53	50	41	38	27
	8	1220	870	0.22	75	71	70	68	63	62	46	74	70	69	67	57	44	45	75	73	71	68	59	49	47	76	74	71	69	61	51	47
		1220	700	0.15	75	71	70	68	63	62	46	73	70	68	67	57	44	44	74	72	70	68	59	49	46	75	73	71	69	60	51	47
		750	590	0.10	65	61	62	59	50	47	37	68	64	63	61	50	39	38	69	66	65	62	52	44	40	70	68	65	62	54	46	40
		500	490	0.07	56	52	55	52	40	35	30	66	61	59	56	45	36	34	67	63	61	57	47	40	36	68	65	62	57	48	43	37
		340	210	0.01	48	44	48	45	30	23	22	57	53	52	49	39	31	26	59	55	54	50	41	35	28	60	56	54	50	42	38	28
	10	1220	1090	0.15	75	71	70	68	63	62	46	75	71	70	68	58	45	46	76	74	71	69	60	49	47	77	75	72	69	61	51	48
		1220	950	0.12	75	71	70	68	63	62	46	74	71	69	67	57	44	45	75	73	71	68	59	49	47	76	74	72	69	61	51	48
		750	820	0.09	65	61	62	59	50	47	37	69	65	64	61	51	39	39	71	68	66	62	53	44	41	72	69	66	63	54	46	41
		500	550	0.04	56	52	55	52	40	35	30	64	60	59	55	45	35	34	66	62	60	56	47	40	35	67	63	61	57	48	42	36
		340	270	0.01	48	44	48	45	30	23	22	58	54	53	49	39	31	27	60	56	54	50	41	35	28	61	57	55	51	42	38	30
5	6	2025	490	0.24	72	72	69	65	60	56	45	68	65	65	61	52	46	40	69	67	67	62	56	51	43	70	68	68	63	58	55	44
		2025	390	0.15	72	72	69	65	60	56	45	68	64	65	61	52	45	40	69	66	66	63	56	51	41	69	68	67	63	58	54	43
		1500	330	0.11	68	68	65	60	55	49	40	64	61	61	58	50	43	36	65	63	63	59	53	49	38	66	65	64	60	55	52	39
		1000	270	0.07	62	62	59	55	47	39	34	59	56	57	53	47	39	32	60	59	58	54	50	45	33	61	60	59	55	52	49	34
		500	200	0.04	52	52	50	45	34	22	24	51	49	49	44	41	34	23	52	52	50	46	44	40	24	52	53	51	47	46	43	25
	8	2025	870	0.22	72	72	69	65	60	56	45	69	66	65	61	53	46	40	70	68	67	62	56	52	43	70	70	68	63	58	55	44
		2025	700	0.15	72	72	69	65	60	56	45	68	65	65	61	52	46	40	69	68	67	62	56	52	43	70	69	68	63	58	55	44
		1500	590	0.10	68	68	65	60	55	49	40	65	62	62	57	50	44	37	66	65	63	59	53	49	38	66	66	64	60	55	53	39
		1000	490	0.07	62	62	59	55	47	39	34	60	58	57	52	47	40	32	61	60	59	54	50	46	34	61	62	60	55	52	50	35
		500	350	0.04	52	52	50	45	34	22	24	52	50	49	44	42	36	23	53	53	51	46	45	41	25	53	54	52	47	47	45	26
	10	2025	1090	0.15	72	72	69	65	60	56	45	69	66	65	61	53	47	40	70	69	67	62	56	53	43	70	70	68	63	58	56	44
		2025	950	0.12	72	72	69	65	60	56	45	69	66	65	61	53	47	40	70	69	67	62	56	52	43	70	70	68	63	58	56	44
		1500	820	0.09	68	68	65	60	55	49	40	65	63	62	57	50	44	37	66	65	64	59	54	50	39	67	67	65	59	56	53	40
		1000	650	0.06	62	62	59	55	47	39	34	60	58	57	52	47	41	32	61	61	59	54	51	47	34	62	62	60	55	52	51	35
		500	380	0.02	52	52	50	45	34	22	24	52	50	49	44	42	36	23	53	53	51	46	45	42	25	53	54	52	47	47	45	26
	12	2025	1570	0.15	72	72	69	65	60	56	45	70	67	66	61	53	49	41	71	69	68	62	57	54	44	71	71	69	63	59	58	45
		2025	1370	0.12	72	72	69	65	60	56	45	69	67	66	61	53	48	41	70	69	67	62	56	54	43	71	71	68	63	58	57	44
		1500	1180	0.09	68	68	65	60	55	49	40	66	63	62	57	51	46	37	67	66	64	59	54	52	39	67	67	65	60	56	55	40
		1000	790	0.04	62	62	59	55	47	39	34	61	59	58	53	48	43	33	62	61	59	54	51	48	34	62	62	60	55	53	52	35
		500	390	0.01	52	52	50	45	34	22	24	52	50	49	45	42	36	23	53	53	51	46	45	42	25	53	54	52	47	47	46	26

DLSC / RADIATED SOUND POWER LEVELS WITH NC

Unit Size	Inlet Size	Fan Airflow (cfm)	Primary Airflow (cfm)	Min. Inlet Ps (in. wc)	Octave Band Sound Power Levels, Lw (dB)																															
					Fan Only								0.5" Inlet Ps								1.0" Inlet Ps								1.5" Inlet Ps							
					2	3	4	5	6	7	NC	2	3	4	5	6	7	NC	2	3	4	5	6	7	NC	2	3	4	5	6	7	NC				
A	4	850	220	0.35	72	66	60	57	50	44	38	73	67	59	53	43	35	39	73	67	60	55	47	40	39	73	68	61	56	50	43	39				
		850	170	0.21	72	66	60	57	50	44	38	72	66	58	53	44	36	38	73	67	60	55	48	40	39	73	67	61	56	50	43	39				
		600	130	0.12	64	59	54	50	43	37	29	65	59	54	49	41	32	29	65	60	56	51	45	37	30	65	60	57	52	47	40	31				
		400	100	0.07	55	50	47	42	35	28	21	56	52	49	44	38	28	23	56	53	51	46	42	33	25	57	53	52	47	44	36	26				
	180	80	0.05	37	33	34	27	18	11	-	40	38	40	34	31	20	-	40	39	42	36	35	25	-	40	39	43	37	37	27	-					
	6	850	470	0.22	72	66	60	57	50	44	36	75	69	60	52	42	35	42	75	70	62	54	46	39	42	76	70	63	55	49	42	42				
		850	390	0.15	72	66	60	57	50	44	36	74	68	60	52	42	35	41	75	69	61	54	46	39	41	75	69	62	56	49	42	42				
		600	290	0.08	64	59	54	50	43	37	28	67	62	55	48	40	31	32	67	62	57	50	44	36	32	67	63	58	51	46	39	33				
		400	180	0.03	55	50	47	42	35	28	-	58	54	50	43	37	28	24	58	54	52	45	41	32	26	58	55	53	47	43	35	27				
		180	120	0.01	37	33	34	27	18	11	-	42	40	42	34	30	20	-	42	40	43	36	34	24	-	42	41	44	37	37	27	-				
260		120	0.01	37	33	34	27	18	11	-	42	40	42	34	30	20	-	42	40	43	36	34	24	-	42	41	44	37	37	27	-					
B	4	955	220	0.35	71	65	59	55	49	42	36	72	66	59	53	46	37	38	73	67	60	55	48	41	39	73	67	61	55	50	44	39				
		955	170	0.21	71	65	59	55	49	42	36	72	65	58	53	45	37	38	72	66	59	54	48	41	38	72	66	60	55	50	43	38				
		700	130	0.12	65	59	54	49	43	36	29	66	60	54	49	42	33	30	66	60	55	50	44	37	30	66	61	56	51	46	40	31				
		400	100	0.07	54	48	45	40	32	23	-	55	50	46	41	35	27	-	55	51	47	42	38	31	21	55	51	48	43	39	34	22				
		260	80	0.05	45	40	38	32	23	14	-	47	42	40	35	30	22	-	47	43	41	36	33	26	-	47	43	42	37	34	29	-				
	6	955	490	0.24	71	65	59	55	49	42	36	74	68	61	54	46	38	40	74	69	62	55	49	42	40	75	69	62	56	50	44	42				
		955	390	0.15	71	65	59	55	49	42	36	73	68	60	54	46	38	39	74	68	61	55	49	42	40	74	69	62	56	50	44	40				
		700	290	0.08	65	59	54	49	43	36	29	67	62	55	49	42	34	32	68	62	57	50	45	38	33	68	63	57	51	46	41	33				
		400	180	0.03	54	48	45	40	32	23	-	56	51	47	41	36	28	21	56	52	49	42	38	32	23	57	53	49	43	40	34	23				
		260	120	0.01	45	40	38	32	23	14	-	48	43	41	35	30	22	-	48	44	42	36	33	27	-	48	45	43	37	35	29	-				
	8	955	770	0.18	71	65	59	55	49	42	36	76	69	62	53	46	38	43	76	70	64	54	49	42	43	76	70	64	55	50	44	43				
		955	700	0.15	71	65	59	55	49	42	36	75	69	62	54	46	38	42	76	70	63	55	49	42	43	76	70	64	55	50	44	43				
		700	520	0.08	65	59	54	49	43	36	29	69	63	57	49	42	34	34	70	64	59	50	45	38	35	70	64	59	51	47	41	35				
		400	310	0.03	54	48	45	40	32	23	-	58	53	49	41	36	27	23	58	54	51	42	38	31	25	59	54	51	43	40	34	25				
260		140	0.01	45	40	38	32	23	14	-	48	44	42	35	30	23	-	48	45	43	36	33	27	-	48	45	43	37	35	29	-					

DLSC / RADIATED SOUND POWER LEVELS WITH NC

Unit Size	Inlet Size	Fan Airflow (cfm)	Primary Airflow (cfm)	Min. Inlet Ps (in. wc)	Octave Band Sound Power Levels, Lw (dB)																											
					Fan Only							0.5" Inlet Ps							1.0" Inlet Ps							1.5" Inlet Ps						
					2	3	4	5	6	7	NC	2	3	4	5	6	7	NC	2	3	4	5	6	7	NC	2	3	4	5	6	7	NC
C	4	1360	220	0.35	76	70	65	59	48	55	43	71	66	62	58	48	46	37	72	68	64	60	51	50	39	73	70	66	61	52	53	42
		1360	170	0.21	76	70	65	59	48	55	43	70	65	61	57	46	45	36	71	67	63	59	49	50	38	72	68	64	60	51	53	39
		750	150	0.16	68	59	56	48	34	41	33	63	59	55	50	41	40	30	65	61	57	52	44	44	32	65	62	59	53	46	47	34
		500	120	0.10	62	51	49	41	24	32	25	58	54	51	46	36	36	25	60	56	53	47	39	40	27	60	57	54	48	41	43	28
		340	90	0.06	56	44	43	34	14	23	-	54	49	46	40	32	32	-	55	51	48	42	35	37	22	56	52	49	43	37	39	23
	6	1360	490	0.24	76	70	65	59	48	55	43	73	70	66	62	52	47	42	74	72	68	64	55	52	44	75	73	69	65	56	55	45
		1360	390	0.15	76	70	65	59	48	55	43	72	69	65	61	50	47	40	73	71	67	63	53	52	43	74	72	68	64	55	54	44
		750	330	0.11	68	59	56	48	34	41	33	65	62	59	55	45	42	34	67	64	61	57	48	46	36	67	65	62	58	50	49	37
		500	270	0.07	62	51	49	41	24	32	25	61	57	54	50	41	38	28	62	59	57	52	44	43	32	63	60	58	53	46	46	33
		340	120	0.01	56	44	43	34	14	23	-	54	50	47	42	33	32	21	56	52	49	44	36	37	23	56	53	51	45	38	40	25
	8	1360	870	0.22	76	70	65	59	48	55	43	75	71	69	66	56	49	45	76	73	71	68	59	54	47	77	75	72	69	60	57	48
		1360	700	0.15	76	70	65	59	48	55	43	74	71	68	64	54	48	44	75	73	70	66	57	53	46	76	74	71	67	59	56	47
		750	590	0.10	68	59	56	48	34	41	33	68	62	62	60	50	45	37	69	65	64	62	53	49	39	70	66	65	63	55	52	40
		500	490	0.07	62	51	49	41	24	32	25	66	61	60	63	52	46	36	68	63	62	65	56	51	38	68	64	63	66	57	53	39
		340	210	0.01	56	44	43	34	14	23	-	56	51	50	46	37	34	24	57	54	52	48	40	39	26	58	55	53	49	42	42	27
	10	1360	1090	0.15	76	70	65	59	48	55	43	76	71	70	69	58	51	46	77	73	72	71	61	56	48	78	74	74	72	63	59	50
		1360	950	0.12	76	70	65	59	48	55	43	75	71	69	67	56	50	45	76	73	71	69	59	55	47	77	75	73	70	61	58	49
		750	680	0.06	68	59	56	48	34	41	33	69	61	64	64	53	47	39	71	63	66	65	56	51	41	71	64	67	66	58	54	43
		500	410	0.02	62	51	49	41	24	32	25	63	56	57	55	45	41	32	64	59	59	57	48	45	34	65	60	60	58	50	48	35
		340	270	0.01	56	44	43	34	14	23	-	58	51	52	49	40	36	26	59	53	54	51	43	41	28	60	55	55	52	45	44	30
E	6	2090	490	0.24	72	70	65	62	56	50	42	71	68	62	60	53	46	39	72	70	64	61	55	51	42	72	71	65	62	57	54	43
		2090	390	0.15	72	70	65	62	56	50	42	71	67	62	59	52	44	38	72	69	63	61	54	49	40	72	70	64	61	56	52	42
		1500	330	0.11	68	65	60	56	48	41	36	67	63	58	55	49	41	33	67	65	59	56	52	46	36	68	66	60	57	53	49	37
		1000	270	0.07	62	59	54	49	39	30	28	62	58	53	49	45	38	27	62	60	55	51	48	43	30	63	61	56	51	50	46	31
		500	200	0.04	53	48	43	37	24	11	-	53	50	45	40	40	32	-	54	51	46	41	42	38	-	54	53	47	42	44	41	21
	8	2090	870	0.22	72	70	65	62	56	50	42	72	70	64	60	55	50	42	73	72	65	62	58	55	44	73	73	66	62	59	58	45
		2090	700	0.15	72	70	65	62	56	50	42	72	70	63	60	54	48	42	72	71	65	61	57	54	43	73	72	66	62	58	57	44
		1500	590	0.10	68	65	60	56	48	41	36	68	65	59	56	51	46	36	68	67	61	57	54	51	38	69	68	62	58	56	54	39
		1000	490	0.07	62	59	54	49	39	30	28	63	60	54	50	48	42	30	64	62	56	51	51	48	32	64	63	57	52	52	51	33
		500	350	0.04	53	48	43	37	24	11	-	56	51	47	41	42	37	21	56	53	48	42	45	43	22	57	54	49	43	46	46	23
	10	2090	1090	0.15	72	70	65	62	56	50	42	73	71	64	61	56	52	43	73	73	66	62	59	57	45	74	74	67	63	60	60	46
		2090	950	0.12	72	70	65	62	56	50	42	72	71	64	61	55	51	43	73	72	65	62	58	56	44	73	74	66	63	60	59	46
		1500	820	0.09	68	65	60	56	48	41	36	69	67	60	56	53	48	38	69	68	62	57	55	54	39	70	69	63	58	57	57	40
		1000	650	0.06	62	59	54	49	39	30	28	64	61	55	51	49	45	31	65	63	57	52	52	50	33	65	64	58	53	53	53	34
		500	380	0.02	53	48	43	37	24	11	-	57	52	47	41	42	38	21	57	53	49	42	45	44	23	57	54	49	43	47	47	23
	12	2090	1570	0.15	72	70	65	62	56	50	42	75	72	66	61	58	56	44	76	74	67	63	60	61	46	76	75	68	63	62	64	47
		2090	1370	0.12	72	70	65	62	56	50	42	74	72	65	61	57	54	44	74	74	67	62	60	59	46	75	75	68	63	61	62	47
		1500	1180	0.09	68	65	60	56	48	41	36	71	67	61	57	54	52	38	72	69	63	58	57	58	40	72	70	64	59	59	61	42
		1000	790	0.04	62	59	54	49	39	30	28	66	62	56	51	50	47	32	67	63	58	52	53	53	33	67	64	59	53	54	56	34
		500	390	0.01	53	48	43	37	24	11	-	57	52	47	41	43	39	21	57	53	49	42	45	44	23	58	54	50	43	47	47	24

- Discharge sound is the noise emitted from the unit discharge into the downstream ductwork
- Min ΔPs is the difference between atmospheric pressure and the inlet static pressure with the primary damper full open and the unit fan set to match the primary flow
- Sound power levels are in dB, ref 10⁻¹² watts
- Sound performance based on units lined with standard dual density fiberglass lining
- All performance based on tests conducted in accordance with ASHRAE 130-2008 and AHRI 880-2011
- All NC levels determined using AHRI 885-2008 Appendix E. See Terminal Unit Engineering Guidelines.

DLSC / SILENCER TEST

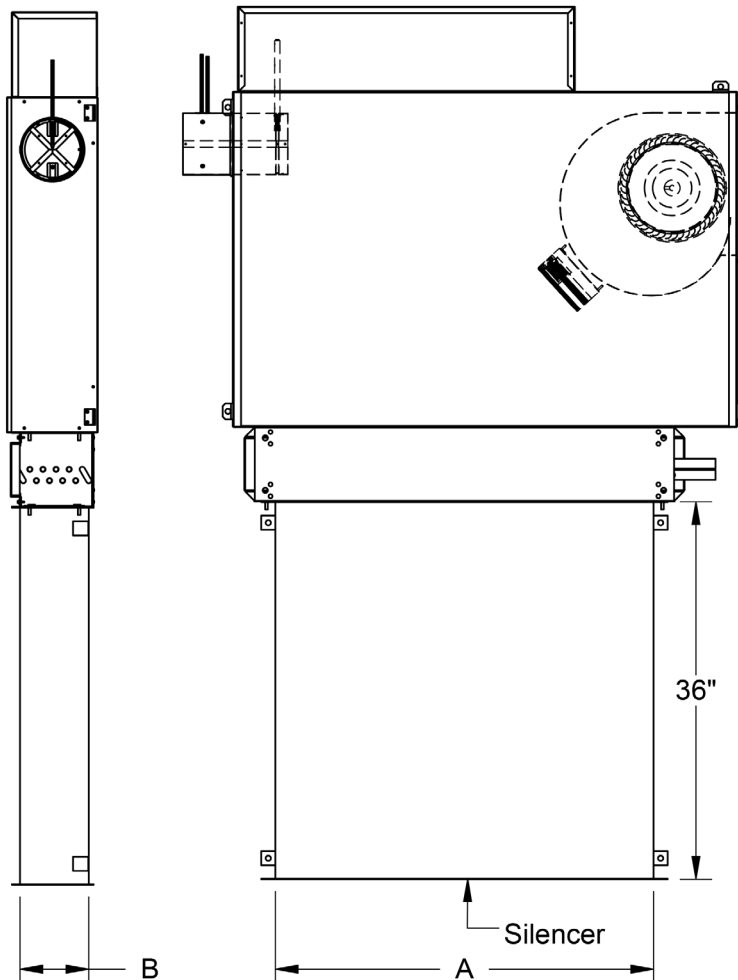
3 ft Silencer Attenuation Deduction Values (dB)														
FAN ONLY								FAN + PRIMARY						
Size	Octave Band						NC	Octave Band						NC
	2	3	4	5	6	7		2	3	4	5	6	7	
1	-2	-2	-2	-2	-1	-1	-3	-2	-3	-4	-3	-1	0	-4
2	-4	-4	-5	-5	-6	-6	-6	-3	-4	-5	-4	-2	0	-6
3	-4	-4	-5	-5	-6	-6	-6	-3	-4	-5	-4	-2	0	-5
5	-3	-4	-7	-6	-3	0	-7	-3	-5	-9	-9	-9	-10	-9
A	-4	-4	-4	-2	-1	0	-4	-3	-4	-6	-4	-3	-1	-6
B	-4	-4	-4	-5	-3	-2	-5	-4	-5	-5	-5	-3	-1	-6
C	-5	-6	-7	-7	-2	-4	-7	-4	-5	-5	-4	-2	-3	-6
E	-4	-4	-5	-6	-3	-2	-6	-4	-6	-7	-8	-9	-10	-7

Note:

The above silencer attenuation correction values can be applied to the "Radiated Sound Power Levels" only on pages N89 - N91

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DLSC / Silencer Option



Unit Size	A	B
1	36	6 ⁹ / ₁₆
2	36	7
3	36	8 ¹ / ₄
5	42	12
A	60 ¹ / ₈	6 ⁹ / ₁₆
B	60 ¹ / ₈	7
C	60 ¹ / ₈	8 ¹ / ₄
E	60 ¹ / ₈	12