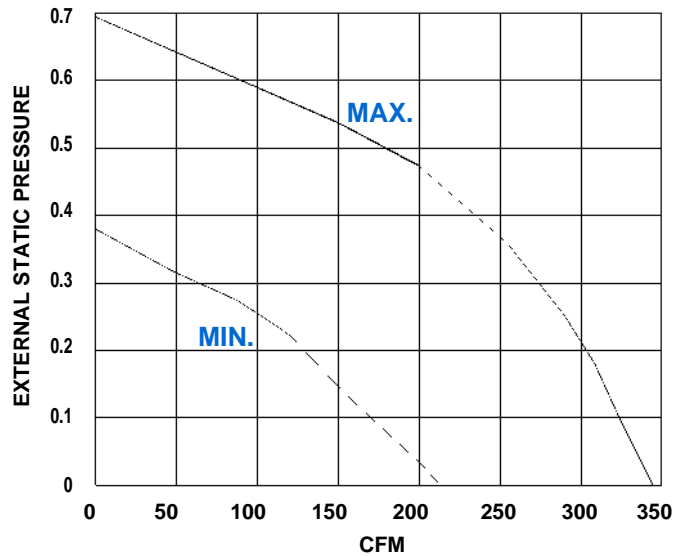


FAN CURVES CFM vs EXTERNAL STATIC PRESSURE

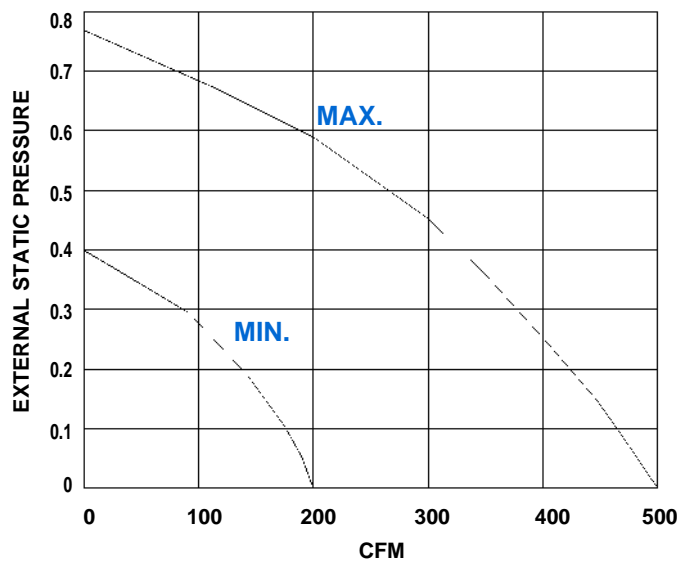
FAN SIZE A

AC_Q 05
1/6 H. P. Motor



FAN SIZE B

AC_Q 06
1/6 H. P. Motor

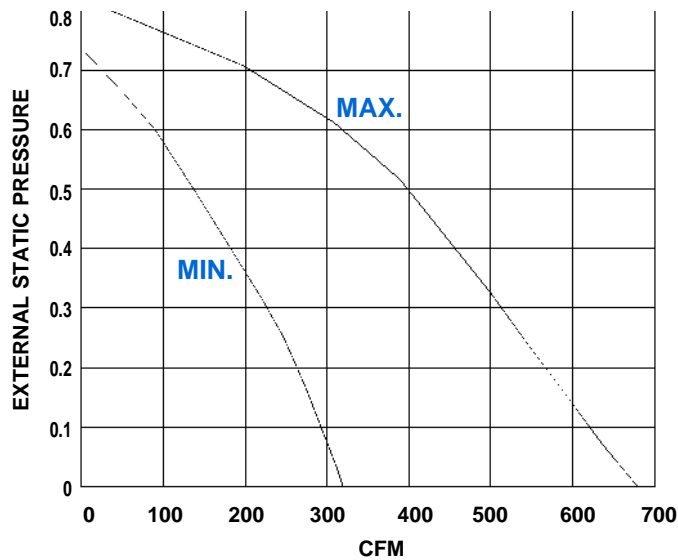


- NOTES:**
1. External static pressure (ESP) consists of down stream ductwork, coils, flex duct, etc.
 2. Pressure drops due to heating coils are treated as external static pressure .
 3. For proper operation, the downstream ESP must be at least 0.20" W. G.

FAN CURVES CFM vs EXTERNAL STATIC PRESSURE

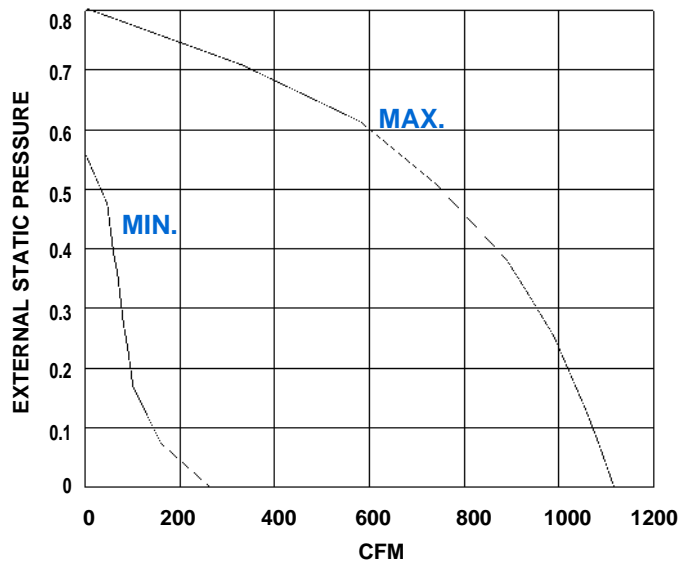
FAN SIZE C

AC_Q 07
1/6 H. P. Motor



FAN SIZE D

AC_Q 08
1/4 H. P. Motor

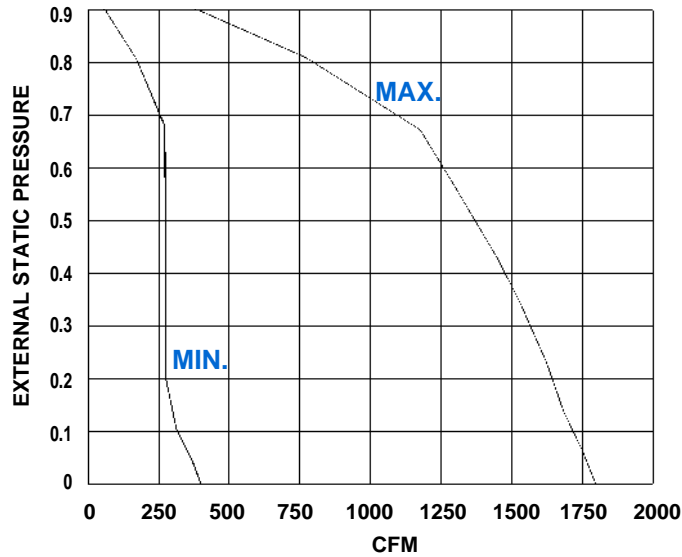


- NOTES:**
1. External static pressure (ESP) consists of down stream ductwork, coils, flex duct, etc.
 2. Pressure drops due to heating coils are treated as external static pressure .
 3. For proper operation, the downstream ESP must be at least 0.20" W. G.

FAN CURVES CFM vs EXTERNAL STATIC PRESSURE

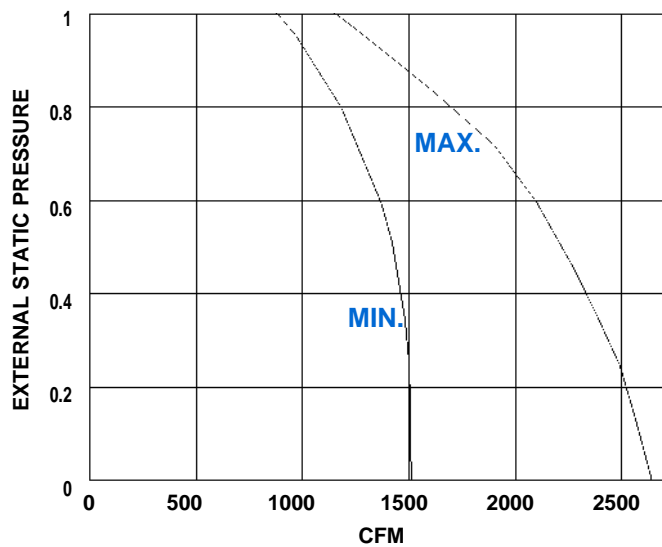
FAN SIZE E

AC_Q 10
1/2 H. P. Motor



FAN SIZE F

AC_Q 12
3/4 H. P. Motor



- NOTES:**
1. External static pressure (ESP) consists of down stream ductwork, coils, flex duct, etc.
 2. Pressure drops due to heating coils are treated as external static pressure .
 3. For proper operation, the downstream ESP must be at least 0.20" W. G.

Model AC _ Q 05A

(FAN ON — 100% Primary Air/Mixing/100% Secondary Air)

Primary/ Secondary CFM	Primary Air Δ Ps	Discharge Sound							Radiated Sound								
		Sound Power db							Max. NC	Sound Power db							Max. NC
		Octave Band								Octave Band							
2	3	4	5	6	7	NC	2	3	4	5	6	7	NC				
290/0	0.040	63	57	51	56	53	48	18	59	54	47	41	34	29	22		
	0.5	64	57	52	55	52	48	19	61	54	47	41	34	31	23		
	1	65	57	52	55	52	49	20	63	55	47	42	37	36	26		
	3	65	58	52	55	52	49	20	63	57	49	45	46	46	26		
145/145	0.5	60	54	50	53	50	46	14	55	50	46	39	32	29	20		
	1	62	55	51	54	51	48	17	58	53	46	41	35	34	21		
	3	62	56	52	54	51	48	17	58	54	47	44	45	44	22		
0/290	—	62	56	51	55	52	48	17	56	51	47	40	35	31	21		
200/0	0.153	57	51	47	49	45	40	10	54	49	43	37	28	25	16		
	0.5	58	51	47	49	45	40	11	56	49	43	37	29	26	17		
	1	58	51	47	48	36	40	11	57	50	43	38	34	32	18		
	3	59	53	49	48	45	42	13	58	52	45	42	45	44	19		
100/100	0.5	54	50	47	47	43	38	--	52	48	42	36	26	25	15		
	1	56	51	46	47	44	40	--	53	49	42	36	32	31	16		
	3	56	51	46	47	44	40	--	53	49	43	41	45	44	16		
0/200	—	57	51	48	48	44	40	10	51	47	42	36	25	25	15		
100/0	0	52	47	40	42	37	30	--	52	48	42	35	24	23	15		
	0.5	52	47	40	42	37	30	--	52	48	42	36	26	25	15		
	1	52	47	40	42	37	30	--	52	48	42	36	32	29	15		
	3	52	47	40	42	37	35	--	53	48	43	41	44	44	16		
50/50	0.5	51	45	38	39	34	27	--	52	48	42	35	25	23	15		
	1	51	46	39	41	36	30	--	52	48	43	36	32	31	16		
	3	52	46	41	42	37	34	--	52	48	43	40	44	44	16		
0/100	—	52	47	41	42	37	31	--	52	48	42	35	24	23	15		

- NOTES:**
1. Δ Ps static pressure difference from inlet to discharge.
 2. The lowest value of Δ Ps is the minimum pressure required to deliver CFM shown with primary damper in wide open position.
 3. Δ Ps does not include hot water or electric coils.
 4. (--) indicates NC levels less than 10.

NC Levels are derived from tests conducted in accordance with AHRI Standard 880-2008 and are calculated in accordance with AHRI Standard 885-2008 as application data based on the following:

Discharge NC levels are based on —

- a) 5 foot rectangular duct lined with 1" fiberglass insulation.
- b) 5 foot lined flex duct (8" diameter).
- c) Flow division.
- d) Space effect factor (2400ft³) at 5 feet from outlet.
- e) End reflection.
- f) Environmental adjustment factor.

Radiated NC levels are based on —

- a) Plenum/ceiling effect - 5/8" mineral fiber tile, 35 lb/ft³ - 3 foot plenum
- b) Environmental adjustment factor.

NC is not part of the AHRI 880 Certification Program.

Model AC _ Q 06B

(FAN ON — 100% Primary Air/Mixing/100% Secondary Air)

Primary/ Secondary CFM	Primary Air Δ Ps	Discharge Sound							Radiated Sound								
		Sound Power db							Max. NC	Sound Power db							Max. NC
		Octave Band								Octave Band							
2	3	4	5	6	7	2	3	4	5	6	7						
400/0	0.069	70	61	57	61	59	56	23	63	56	52	46	39	37	26		
	0.5	70	62	58	62	59	57	23	64	57	52	47	39	37	27		
	1	70	63	58	62	59	57	23	65	58	53	47	41	39	28		
	3	71	64	59	62	60	58	24	65	60	54	49	46	45	29		
200/200	0.5	69	61	58	61	58	56	26	61	55	52	46	39	37	26		
	1	69	61	58	61	58	56	26	63	56	52	46	40	38	26		
	3	69	62	58	62	59	56	26	63	57	53	48	45	44	27		
0/200	—	69	62	59	63	59	57	22	63	57	53	47	39	37	27		
250/0	0.185	61	54	49	53	49	44	15	56	50	46	39	31	27	20		
	0.5	61	54	49	53	49	46	15	56	50	46	39	32	28	20		
	1	62	55	50	53	49	46	17	56	50	46	40	35	33	20		
	3	62	55	50	53	49	46	17	57	52	49	44	45	43	23		
125/125	0.5	62	54	50	53	49	46	17	54	49	46	39	32	28	20		
	1	62	55	50	53	49	46	17	54	49	46	39	33	31	20		
	3	62	55	51	54	50	47	17	55	50	47	42	44	43	21		
0/250	—	61	54	50	53	49	46	15	53	49	46	39	31	27	20		
120/0	0.224	53	47	41	43	37	31	--	52	47	42	33	24	21	15		
	0.5	52	47	41	43	37	31	--	52	47	44	36	28	24	18		
	1	52	47	41	43	37	33	--	52	47	44	36	32	30	18		
	3	53	48	43	44	39	36	--	52	47	44	41	44	43	18		
60/60	0.5	55	48	43	44	39	35	--	53	49	44	36	28	24	18		
	1	53	47	43	44	39	35	--	53	49	44	36	32	30	18		
	3	53	47	42	43	37	24	--	54	49	45	41	44	45	19		
0/120	—	53	48	42	44	39	35	--	54	49	44	36	28	24	18		

- NOTES:**
1. Δ Ps static pressure difference from inlet to discharge.
 2. The lowest value of Δ Ps is the minimum pressure required to deliver CFM shown with primary damper in wide open position.
 3. Δ Ps does not include hot water or electric coils.
 4. (--) indicates NC levels less than 10.

NC Levels are derived from tests conducted in accordance with AHRI Standard 880-2008 and are calculated in accordance with AHRI Standard 885-2008 as application data based on the following:

Discharge NC levels are based on —

- a) 5 foot rectangular duct lined with 1" fiberglass insulation.
- b) 5 foot lined flex duct (8" diameter).
- c) Flow division.
- d) Space effect factor (2400ft³) at 5 feet from outlet.
- e) End reflection.
- f) Environmental adjustment factor.

Radiated NC levels are based on —

- a) Plenum/ceiling effect - 5/8" mineral fiber tile, 35 lb/ft³ - 3 foot plenum
- b) Environmental adjustment factor.

NC is not part of the AHRI 880 Certification Program.

Fan Powered Units

Model AC _ Q 07C

(FAN ON — 100% Primary Air/Mixing/100% Secondary Air)

Primary/ Secondary CFM	Primary Air Δ Ps	Discharge Sound							Radiated Sound								
		Sound Power db							Max. NC	Sound Power db							Max. NC
		Octave Band								Octave Band							
2	3	4	5	6	7	NC	2	3	4	5	6	7	NC				
530/0	0.132	75	67	62	67	65	62	33	70	63	56	51	44	41	33		
	0.5	75	67	62	67	64	62	33	70	63	56	51	44	41	35		
	1	75	67	62	68	65	63	33	70	63	56	51	45	43	36		
	3	76	68	62	68	65	63	35	71	64	57	52	48	46	39		
265/265	0.5	76	67	62	68	65	62	35	69	63	55	52	44	42	33		
	1	76	67	62	68	65	62	35	69	63	56	52	44	42	33		
	3	76	67	62	68	65	62	35	69	63	56	52	48	46	33		
0/530	—	75	67	62	68	64	62	33	69	64	56	52	44	41	32		
400/0	0.188	67	61	57	60	57	54	23	63	57	51	46	38	35	26		
	0.5	70	62	59	62	59	56	27	64	58	51	46	39	36	30		
	1	70	62	59	63	59	57	27	66	60	52	47	40	38	31		
	3	71	64	59	63	60	58	28	67	61	54	49	46	45	31		
200/200	0.5	69	63	58	62	59	56	26	63	57	51	46	39	38	30		
	1	71	63	58	62	59	57	28	64	57	51	47	40	38	27		
	3	71	64	58	62	59	57	28	64	58	52	48	46	44	27		
0/400	—	70	63	59	62	59	56	27	65	59	52	47	40	38	29		
250/0	0.267	58	52	47	50	45	41	11	53	49	44	38	31	27	21		
	0.5	58	52	47	50	46	42	11	54	50	45	38	31	28	22		
	1	58	52	48	51	46	43	11	55	51	46	39	34	31	23		
	3	59	54	49	52	46	43	13	57	53	48	44	45	43	26		
125/125	0.5	57	51	46	49	45	40	10	54	50	45	37	31	28	22		
	1	57	52	47	50	45	40	10	54	50	45	38	33	31	22		
	3	58	52	47	51	46	42	11	54	51	46	42	44	43	23		
0/250	—	59	54	48	50	46	42	13	54	50	44	37	29	27	21		

- NOTES:**
1. Δ Ps static pressure difference from inlet to discharge.
 2. The lowest value of Δ Ps is the minimum pressure required to deliver CFM shown with primary damper in wide open position.
 3. Δ Ps does not include hot water or electric coils.
 4. (-) indicates NC levels less than 10.

NC Levels are derived from tests conducted in accordance with AHRI Standard 880-2008 and are calculated in accordance with AHRI Standard 885-2008 as application data based on the following:

Discharge NC levels are based on —

- a) 5 foot rectangular duct lined with 1" fiberglass insulation.
- b) 5 foot lined flex duct (8" diameter).
- c) Flow division.
- d) Space effect factor (2400ft³) at 5 feet from outlet.
- e) End reflection.
- f) Environmental adjustment factor.

Radiated NC levels are based on —

- a) Plenum/ceiling effect - 5/8" mineral fiber tile, 35 lb/ft³ - 3 foot plenum
- b) Environmental adjustment factor.

NC is not part of the AHRI 880 Certification Program.

Model AC _ Q 08D

(FAN ON — 100% Primary Air/Mixing/100% Secondary Air)

Primary/ Secondary CFM	Primary Air Δ Ps	Discharge Sound							Radiated Sound								
		Sound Power db							Max. NC	Sound Power db							Max. NC
		Octave Band								Octave Band							
2	3	4	5	6	7	2	3	4	5	6	7						
1000/0	0.140	73	70	69	71	67	65	29	68	66	59	54	46	45	36		
	0.5	76	71	67	70	66	64	29	71	67	59	53	46	45	37		
	1	76	71	67	70	65	64	29	71	67	59	53	46	45	37		
	3	77	72	67	70	66	64	30	72	68	61	55	49	48	38		
500/500	0.5	73	68	66	69	64	63	27	67	65	58	53	44	44	35		
	1	73	68	66	69	64	63	27	68	65	58	54	45	45	35		
	3	73	68	66	69	65	63	27	69	66	59	54	48	47	36		
0/1000	—	72	66	65	69	64	62	26	68	65	58	54	45	44	35		
750/0	0.156	67	62	60	61	58	56	20	63	60	53	45	38	37	29		
	0.5	71	65	63	65	61	59	23	65	62	55	49	41	40	31		
	1	71	65	63	65	61	59	23	66	63	56	50	42	41	33		
	3	72	67	64	66	62	60	24	67	65	58	53	47	46	35		
375/375	0.5	69	63	62	63	59	57	22	64	61	54	48	39	39	30		
	1	69	63	62	64	60	58	22	65	61	55	48	41	40	30		
	3	70	64	63	64	60	58	23	65	62	56	52	46	45	31		
0/750	—	69	62	62	63	58	56	20	62	61	53	47	39	39	30		
500/0	0.216	60	53	51	52	48	44	10	57	54	46	39	31	28	22		
	0.5	64	58	56	56	52	50	15	60	56	49	42	34	33	24		
	1	64	58	56	56	52	50	15	61	57	50	43	37	35	25		
	3	65	59	57	57	53	51	17	62	60	55	49	46	44	30		
250/250	0.5	62	56	55	55	51	48	17	57	55	48	41	33	31	23		
	1	63	56	55	55	51	48	18	57	55	48	42	35	33	23		
	3	63	57	55	55	52	49	18	59	56	51	47	45	43	25		
0/500	—	63	56	55	55	51	48	14	58	54	48	39	31	30	22		

- NOTES:**
1. Δ Ps static pressure difference from inlet to discharge.
 2. The lowest value of Δ Ps is the minimum pressure required to deliver CFM shown with primary damper in wide open position.
 3. Δ Ps does not include hot water or electric coils.
 4. (-) indicates NC levels less than 10.

NC Levels are derived from tests conducted in accordance with AHRI Standard 880-2008 and are calculated in accordance with AHRI Standard 885-2008 as application data based on the following:

Discharge NC levels are based on —

- a) 5 foot rectangular duct lined with 1" fiberglass insulation.
- b) 5 foot lined flex duct (8" diameter).
- c) Flow division.
- d) Space effect factor (2400ft³) at 5 feet from outlet.
- e) End reflection.
- f) Environmental adjustment factor.

Radiated NC levels are based on —

- a) Plenum/ceiling effect - 5/8" mineral fiber tile, 35 lb/ft³ - 3 foot plenum
- b) Environmental adjustment factor.

NC is not part of the AHRI 880 Certification Program.

Fan Powered Units

Model AC _ Q 10E

(FAN ON — 100% Primary Air/Mixing/100% Secondary Air)

Primary/ Secondary CFM	Primary Air Δ Ps	Discharge Sound							Radiated Sound								
		Sound Power db							Max. NC	Sound Power db							Max. NC
		Octave Band								Octave Band							
2	3	4	5	6	7	NC	2	3	4	5	6	7	NC				
1600/0	0.012	77	75	72	75	71	69	34	71	66	59	53	48	47	36		
	0.5	77	74	69	71	67	69	33	72	66	59	53	48	47	37		
	1	77	73	68	70	67	66	31	73	67	60	54	48	47	39		
	3	78	73	68	69	67	65	31	75	68	62	55	51	49	41		
800/800	0.5	76	73	69	71	67	65	31	71	63	58	52	46	45	36		
	1	76	73	68	70	67	65	31	72	63	58	52	46	45	37		
	3	76	73	68	70	67	65	31	72	67	61	55	49	48	37		
0/1600	—	74	74	71	74	70	70	33	68	63	59	55	48	48	34		
1300/0	0.075	71	70	67	67	64	63	28	68	60	55	49	44	42	32		
	0.5	73	71	67	68	65	64	29	71	64	57	51	45	44	36		
	1	74	71	67	68	65	63	29	71	65	58	51	46	45	36		
	3	75	72	67	68	65	63	30	72	66	60	53	50	48	37		
650/650	0.5	74	71	66	67	64	63	30	67	62	55	50	44	43	31		
	1	74	71	66	67	64	63	30	68	62	56	50	45	43	32		
	3	74	71	67	68	64	63	30	70	63	59	54	48	47	35		
0/1300	—	68	67	65	65	63	62	26	65	59	54	49	43	42	28		
1000/0	0.134	64	64	60	60	57	56	21	64	55	51	45	39	38	27		
	0.5	72	69	65	66	62	61	27	67	61	55	49	43	42	31		
	1	72	69	65	66	63	62	27	69	62	55	49	44	43	33		
	3	74	70	65	66	63	61	28	70	65	59	52	48	47	35		
500/500	0.5	70	68	64	65	61	60	27	65	60	53	48	42	41	29		
	1	71	68	64	66	62	61	27	65	60	55	49	43	42	30		
	3	71	68	65	65	62	61	27	67	61	56	53	48	45	31		
0/1000	—	65	62	60	59	57	55	19	63	57	51	45	39	38	26		

- NOTES:**
1. Δ Ps static pressure difference from inlet to discharge.
 2. The lowest value of Δ Ps is the minimum pressure required to deliver CFM shown with primary damper in wide open position.
 3. Δ Ps does not include hot water or electric coils.
 4. (-) indicates NC levels less than 10.

NC Levels are derived from tests conducted in accordance with AHRI Standard 880-2008 and are calculated in accordance with AHRI Standard 885-2008 as application data based on the following:

Discharge NC levels are based on —

- a) 5 foot rectangular duct lined with 1" fiberglass insulation.
- b) 5 foot lined flex duct (8" diameter).
- c) Flow division.
- d) Space effect factor (2400ft³) at 5 feet from outlet.
- e) End reflection.
- f) Environmental adjustment factor.

Radiated NC levels are based on —

- a) Plenum/ceiling effect - 5/8" mineral fiber tile, 35 lb/ft³ - 3 foot plenum
- b) Environmental adjustment factor.

NC is not part of the AHRI 880 Certification Program.

Model AC _ Q 12F

(FAN ON — 100% Primary Air/Mixing/100% Secondary Air)

Primary/ Secondary CFM	Primary Air ΔP_s	Discharge Sound							Radiated Sound							
		Sound Power db							Max. NC	Sound Power db						
		Octave Band								Octave Band						
		2	3	4	5	6	7		2	3	4	5	6	7		
2450/0	0.116	77	76	74	77	74	73	36	77	73	65	61	56	54	44	
	0.5	77	76	74	76	74	73	36	79	74	65	60	55	53	46	
	1	79	77	74	76	74	73	36	79	74	65	59	55	52	46	
	3	79	77	74	76	74	73	36	79	75	67	61	57	55	47	
1225/1225	0.5	78	77	74	78	73	73	36	78	74	64	61	55	53	46	
	1	79	77	74	78	74	73	36	78	74	65	61	55	53	46	
	3	79	77	74	76	74	73	36	79	75	66	61	56	54	47	
0/2450	—	76	75	73	77	73	72	35	77	73	64	61	56	53	44	
1950/0	0.128	68	68	68	67	64	63	27	69	64	58	52	46	44	34	
	0.5	74	72	70	71	68	68	31	75	70	62	57	51	49	41	
	1	75	74	70	72	69	69	33	76	71	62	57	52	50	43	
	3	75	74	70	72	70	69	33	77	72	65	58	54	52	44	
975/975	0.5	72	72	69	71	67	67	30	71	67	59	54	48	46	37	
	1	74	72	70	72	68	68	31	71	67	60	54	49	47	37	
	3	76	73	70	72	69	68	31	71	67	61	57	51	49	37	
0/1950	—	70	68	68	69	65	65	29	70	66	59	53	48	46	36	
1050/0	0.239	65	62	60	58	54	52	18	61	61	58	45	39	37	33	
	0.5	67	68	64	64	61	60	25	69	64	58	49	44	42	34	
	1	69	69	65	65	62	61	27	70	66	58	50	45	43	36	
	3	70	68	66	66	63	62	26	70	67	62	56	49	48	37	
525/525	0.5	65	65	63	62	58	57	23	66	63	58	48	42	40	33	
	1	65	66	64	63	60	58	24	67	63	58	49	43	41	33	
	3	65	66	64	63	60	58	24	67	63	59	52	47	46	34	
0/1050	—	62	62	63	61	57	55	19	65	61	57	47	41	37	32	

- NOTES:**
1. ΔP_s static pressure difference from inlet to discharge.
 2. The lowest value of ΔP_s is the minimum pressure required to deliver CFM shown with primary damper in wide open position.
 3. ΔP_s does not include hot water or electric coils.
 4. (--) indicates NC levels less than 10.

NC Levels are derived from tests conducted in accordance with AHRI Standard 880-2008 and are calculated in accordance with AHRI Standard 885-2008 as application data based on the following:

Discharge NC levels are based on —

- a) 5 foot rectangular duct lined with 1" fiberglass insulation.
- b) 5 foot lined flex duct (8" diameter).
- c) Flow division.
- d) Space effect factor (2400ft³) at 5 feet from outlet.
- e) End reflection.
- f) Environmental adjustment factor.

Radiated NC levels are based on —

- a) Plenum/ceiling effect - 5/8" mineral fiber tile, 35 lb/ft³ - 3 foot plenum
- b) Environmental adjustment factor.

NC is not part of the AHRI 880 Certification Program.

Fan Powered Units