

UNIT SIZE	CFM	MIN. $\Delta P_s^1$ (IN W.G.)	PROJECTED ROOM NOISE CRITERION (NC) <sup>2</sup>				FAN HP	VOLTS	FLA <sup>3</sup>	3-PHASE <sup>4</sup> NEUTRAL AMPS		
			DIS.	RADIATED								
				FAN ONLY	0.5" INLET $\Delta P_s$	1.0" INLET $\Delta P_s$					3.0" INLET $\Delta P_s$	
0611	200	0.07	<15	16	20	28	120	5.0	N/A			
	300	0.15	<15	18	24	32						
	400	0.27	<15	24	28	35						
	500	0.40	<15	28	33	37						
0811	400	0.03	<15	20	24	33				277	2.6	5.4
	500	0.05	<15	23	27	35						
	600	0.07	16	27	31	37						
	800	0.11	22	32	35	40						
900	0.14	25	35	37	42							
1011	600	0.03	16	26	30	37	120	7.7	N/A			
	700	0.05	19	30	33	38						
	800	0.06	22	33	36	41						
	900	0.08	25	35	38	43						
0819	700	0.13	15	25	27	36				277	4.1	7.2
	800	0.16	17	26	30	37						
	900	0.21	18	28	31	38						
	1000	0.27	21	30	32	40						
1019	800	0.07	17	26	28	38	120 <sup>5</sup>	9.6	N/A			
	1000	0.11	21	30	31	39						
	1200	0.16	25	33	35	40						
	1400	0.21	27	37	39	42						
1219	800	0.04	17	22	26	36				277	5.5	10.9
	1000	0.07	21	26	27	38						
	1200	0.11	25	31	32	40						
	1400	0.14	27	36	36	41						
1021	1200	0.12	26	27	31	40	120 <sup>5</sup>	12.8	N/A			
	1400	0.16	29	31	35	41						
	1600	0.21	32	33	36	43						
1221	1200	0.08	26	27	28	40						
	1400	0.11	29	30	32	41						
	1600	0.15	32	33	36	42						
	1800	0.20	35	35	37	42						
1421	1200	0.09	26	26	30	39				277	6.9	13.3
	1400	0.11	29	28	32	40						
	1600	0.14	32	32	33	41						
	1800	0.18	35	35	36	41						
2000	0.21	37	37	38	42							
1224	1400	0.08	27	33	33	40	120 <sup>5</sup>	12.8	N/A			
	1600	0.10	31	35	36	41						
	1800	0.13	33	37	38	42						
	2000	0.16	35	40	41	45						
1424	1400	0.09	27	27	30	40				277	6.9	13.3
	1600	0.11	31	30	32	40						
	1800	0.14	33	32	35	41						
	2000	0.17	35	36	37	42						
	2200	0.20	38	38	39	43						
2350	0.24	39	40	41	45							

NOTES:

1. Min  $\Delta P$  is the static pressure difference across the primary air valve with the damper wide open. All the downstream losses (include optional hot water coil) are handled by the unit fan and need not be considered for primary air performance calculations.
2. NC values calculated based upon the 2002 Addendum to ARI standard 885 Appendix E **Typical Sound Attenuation Values** (shown at right).
3. Calculate wire feeder size and maximum overcurrent protective device per NEC and local code requirements. Recommended fuse type shall be UL class RK5, J CC or other motor rated fuse.
4. Neutral harmonic current contribution for each 3-Phase balanced load of motors at full speed.
5. Include factory provided 2mH choke for power factor correction.

DISCHARGE ATTENUATION VALUES	OCTAVE BAND						
	2	3	4	5	6	7	
Small Box (< 300 CFM)	24	28	39	53	59	40	
Medium Box (300-700 CFM)	27	29	40	51	53	39	
Large Box (> 700 CFM)	29	30	41	51	52	39	

RADIATED ATTENUATION VALUES	OCTAVE BAND						
	2	3	4	5	6	7	
Type 2 - Mineral Fiber Ceiling	18	19	20	26	31	36	

TITLE: GENERAL SELECTION DATA  
MODEL CFRQ, ECM FAN MOTOR



DRN BY: SR	DATE: 02/20/01	SCALE: N/A	DRAWING NO.
CKD BY: DB	DATE: 07/31/15	REV: 08	

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