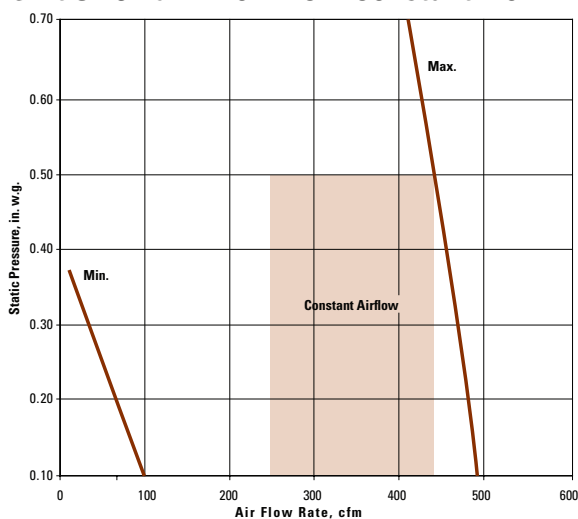


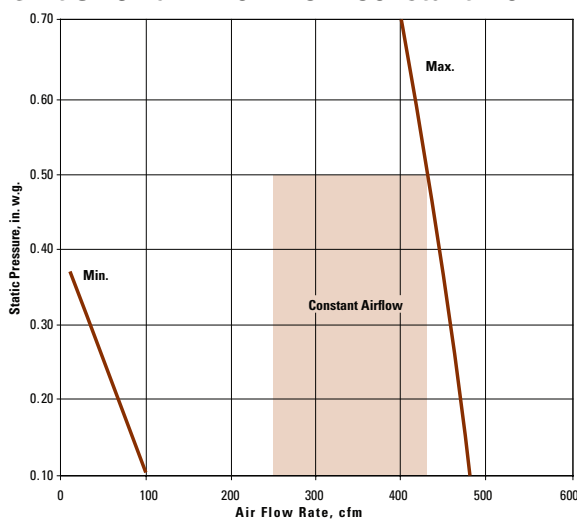
Fan Performance Curves – ECM Motor

FAN COILS & BLOWER COILS

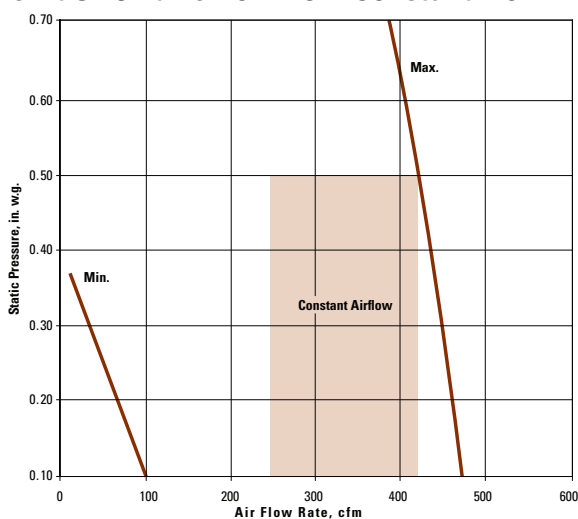
Unit Size 20 - 2 Row ECM Constant Flow



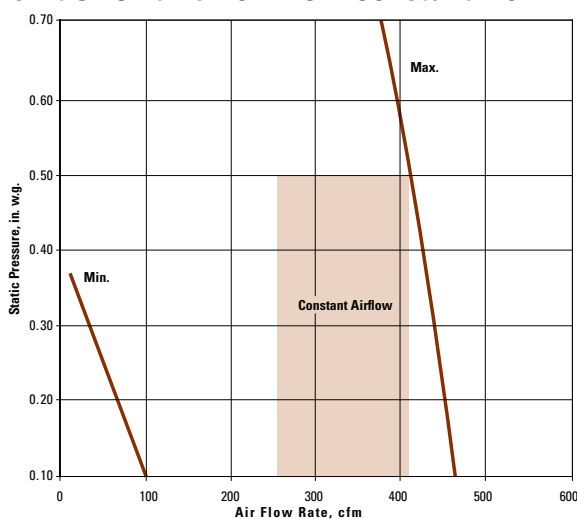
Unit Size 20 - 4 Row ECM Constant Flow



Unit Size 20 - 6 Row ECM Constant Flow



Unit Size 20 - 8 Row ECM Constant Flow



Caution to Contractors

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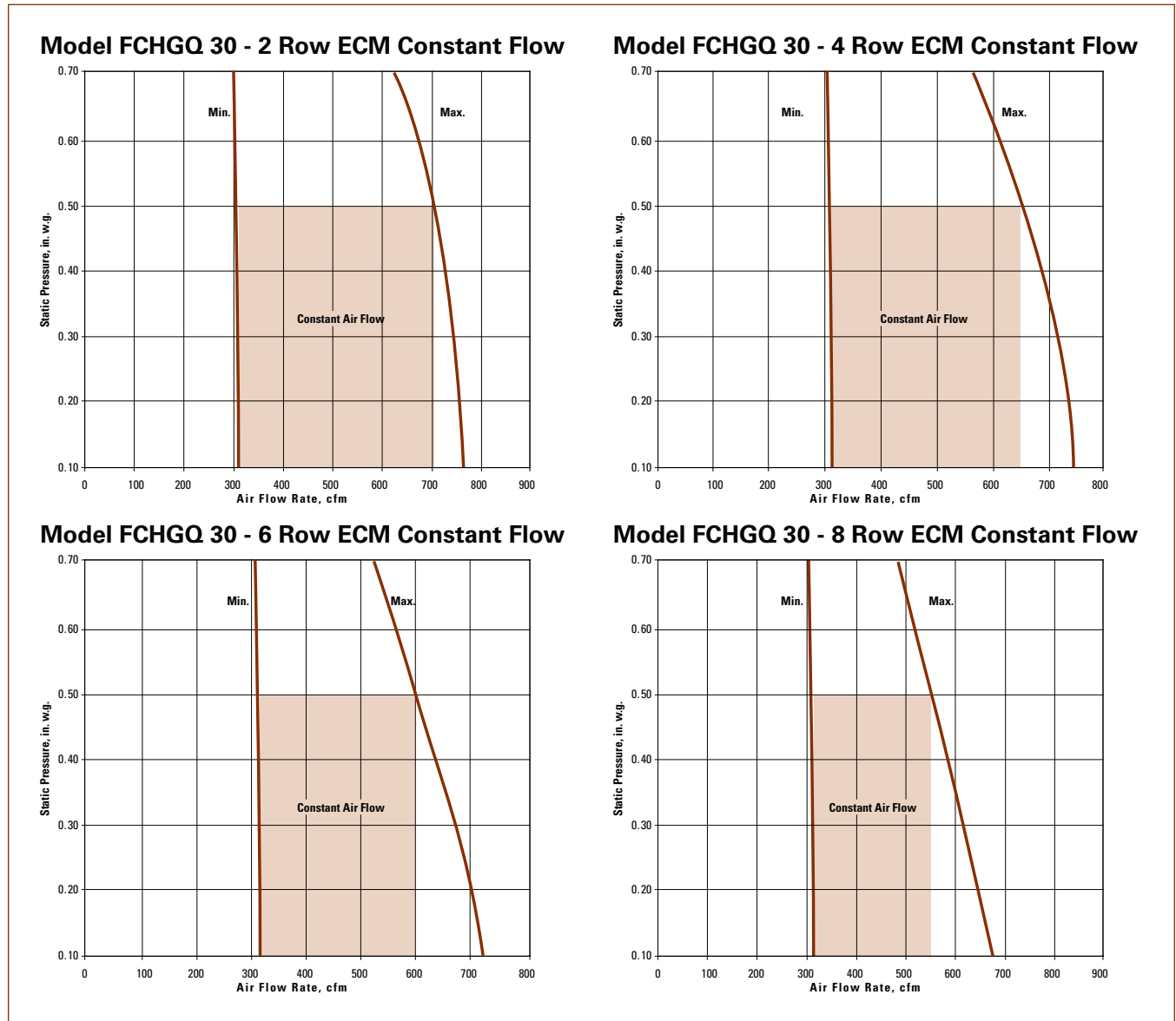
Notes:

1. Fan curves include 2 in. MERV 8 filter.
2. To prevent condensate carry over in cooling applications, fan flow should not exceed 500 fpm average coil face velocity; see maximum fan flow chart.
3. For motor data and power consumption comparison, refer to FCHG. Data is the same for both models.
4. For Fan flow selection guidelines, refer to F1-77.

Maximum Fan Flow Chart (Cooling Application)

Size	Max. cfm
20/30	700
40	1100
50	1450
60	2050
70	2600

Fan Performance Curves – ECM Motor



FAN COILS & BLOWER COILS

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4. For Fan flow selection guidelines, refer to F1-77.

Maximum Fan Flow Chart (Cooling Application)

Size	Max. cfm
20/30	700
40	1100
50	1450
60	2050
70	2600

High Performance Fan Coils

FCHGQ Series

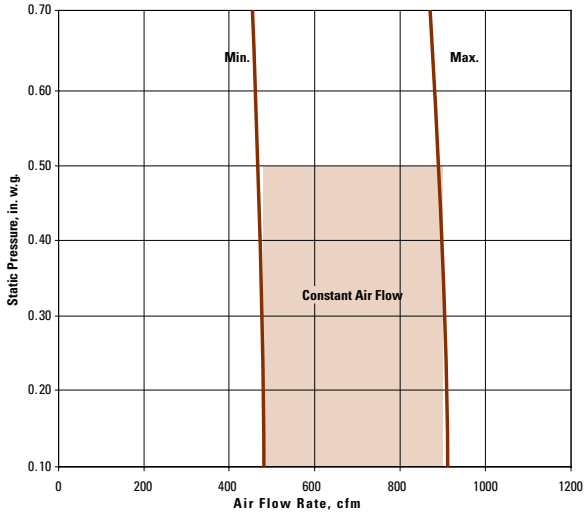
Horizontal Quiet



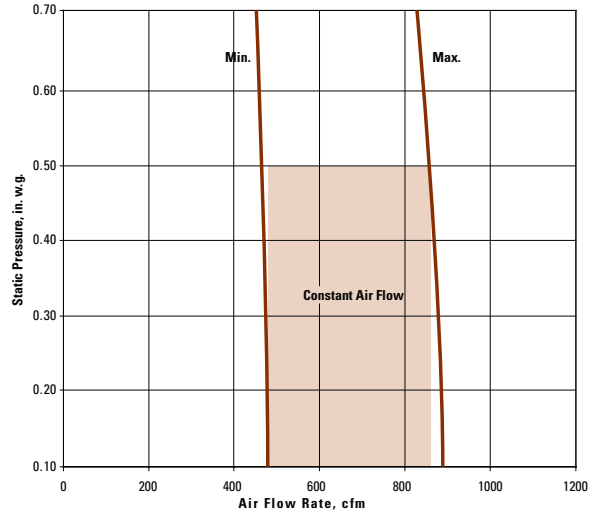
Fan Performance Curves – ECM Motor

FAN COILS & BLOWER COILS

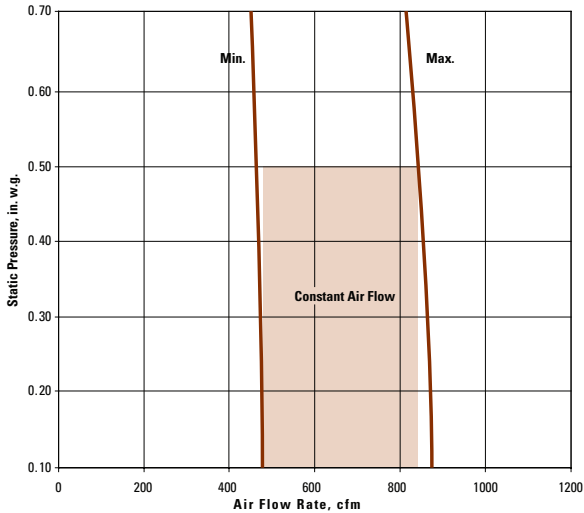
Model FCHGQ 40 - 2 Row ECM Constant Flow



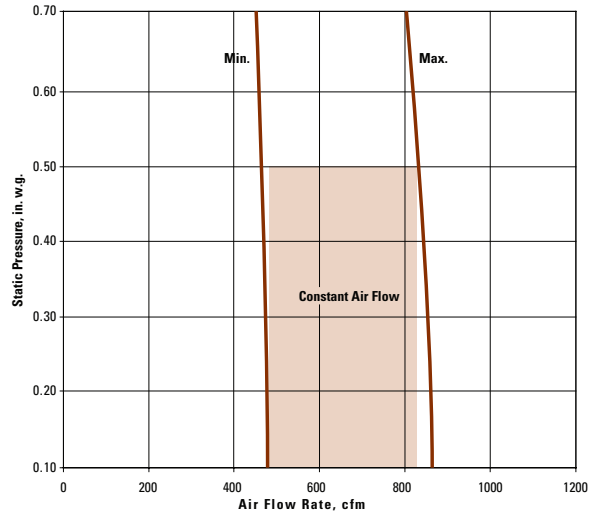
Model FCHGQ 40 - 4 Row ECM Constant Flow



Model FCHGQ 40 - 6 Row ECM Constant Flow



Model FCHGQ 40 - 8 Row ECM Constant Flow



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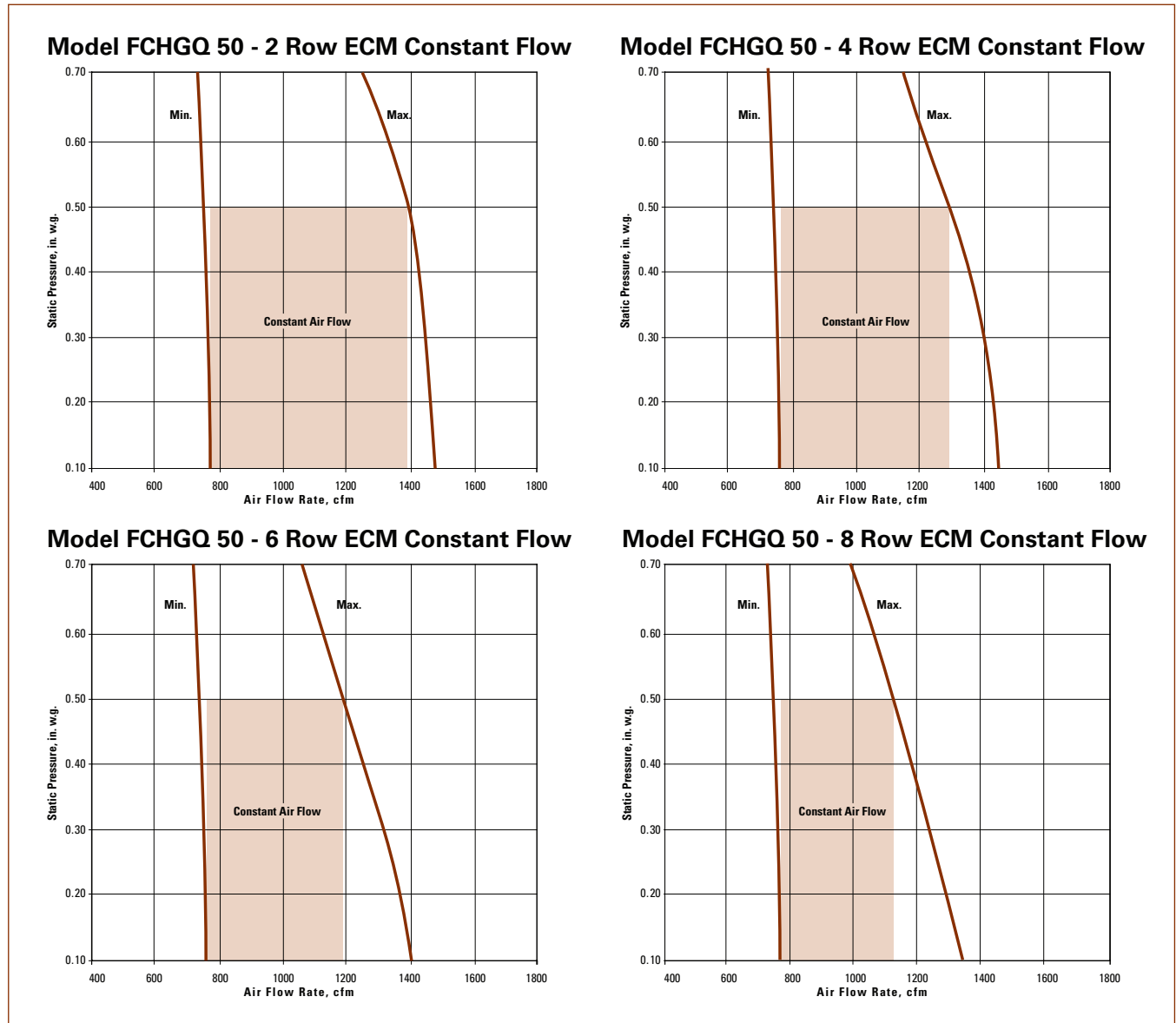
Notes:

1. Fan curves include 2 in. MERV 8 filter.
2. To prevent condensate carry over in cooling applications, fan flow should not exceed 500 fpm average coil face velocity; see maximum fan flow chart.
3. For motor data and power consumption comparison, refer to FCHG. Data is the same for both models.
4. For Fan flow selection guidelines, refer to F1-77.

Maximum Fan Flow Chart (Cooling Application)

Size	Max. cfm
20/30	700
40	1100
50	1450
60	2050
70	2600

Fan Performance Curves – ECM Motor



FAN COILS & BLOWER COILS

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3. For motor data and power consumption comparison, refer to FCHG. Data is the same for both models.
4. For Fan flow selection guidelines, refer to F1-77.

Maximum Fan Flow Chart (Cooling Application)

Size	Max. cfm
20/30	700
40	1100
50	1450
60	2050
70	2600

High Performance Fan Coils

FCHGQ Series

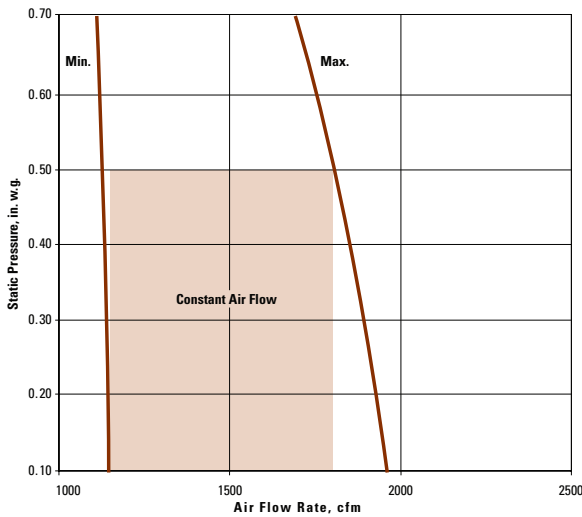
Horizontal Quiet



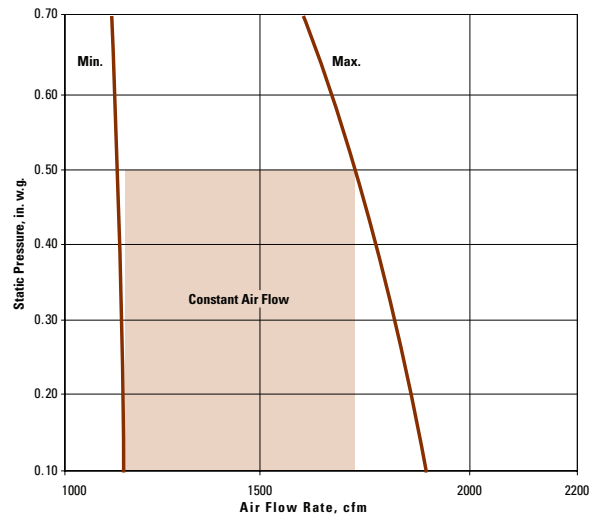
Fan Performance Curves – ECM Motor

FAN COILS & BLOWER COILS

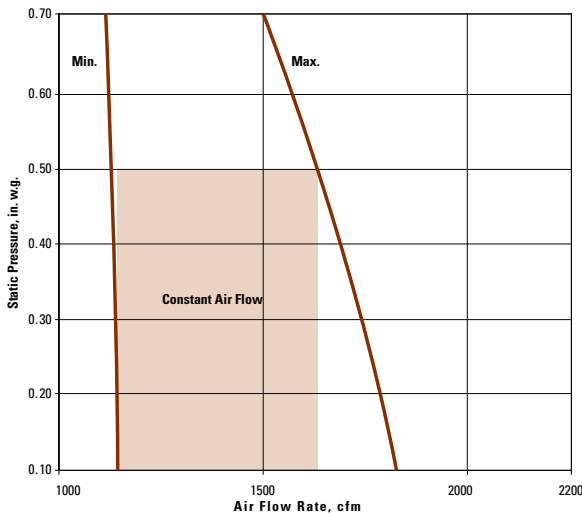
Model FCHGQ 60 - 2 Row ECM Constant Flow



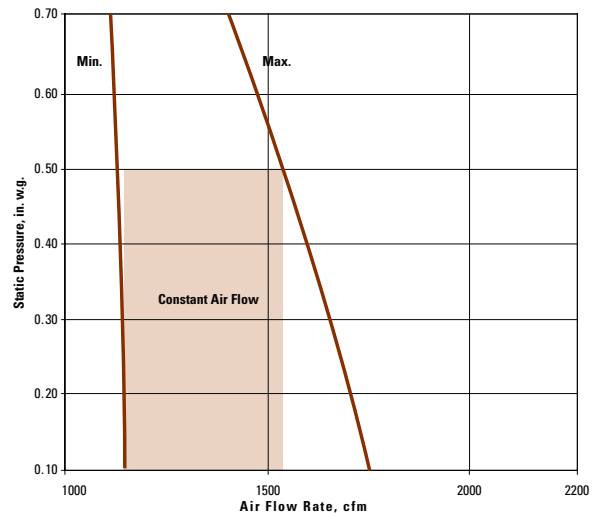
Model FCHGQ 60 - 4 Row ECM Constant Flow



Model FCHGQ 60 - 6 Row ECM Constant Flow



Model FCHGQ 60 - 8 Row ECM Constant Flow



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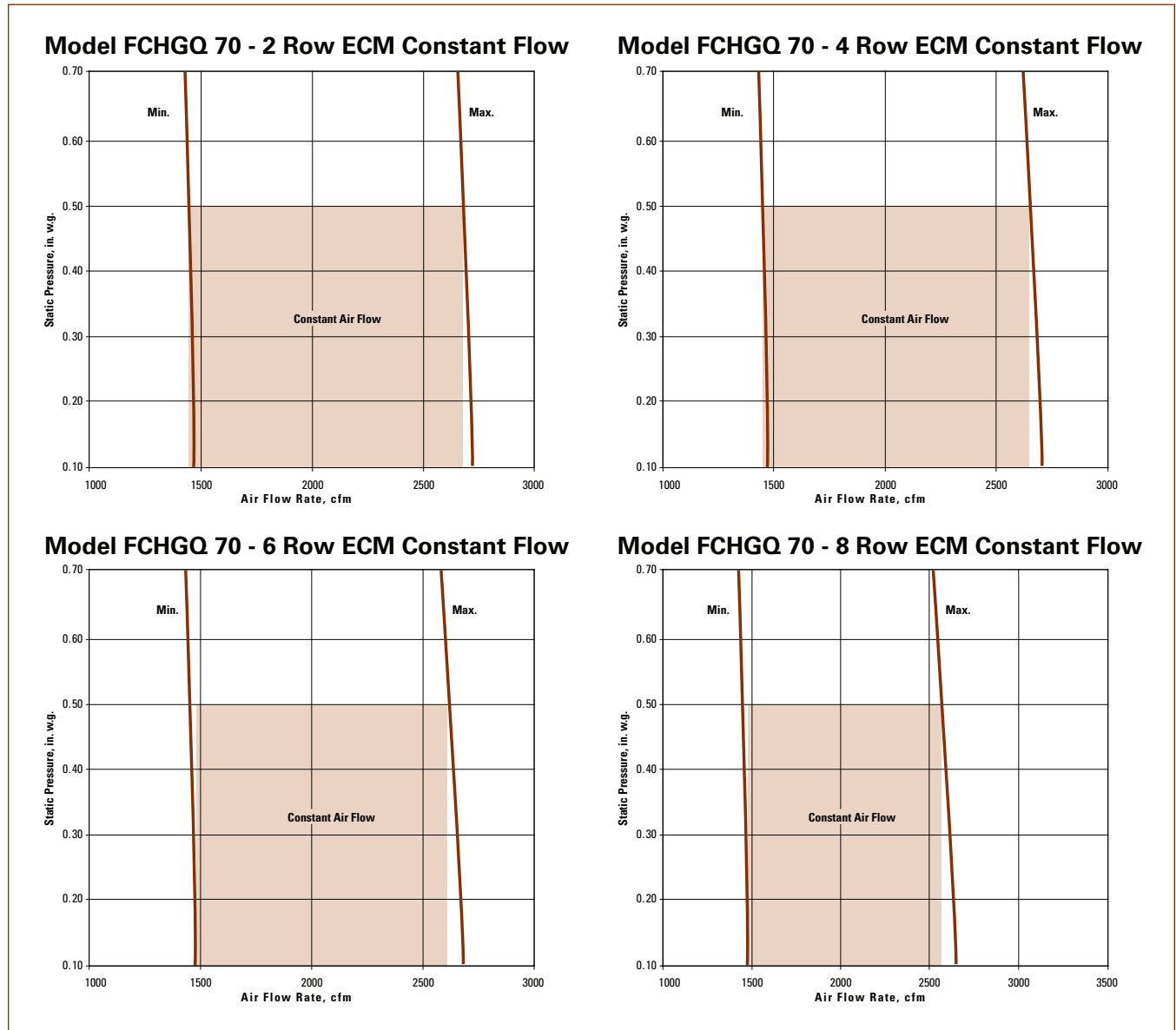
Notes:

1. Fan curves include 2 in. MERV 8 filter.
2. To prevent condensate carry over in cooling applications, fan flow should not exceed 500 fpm average coil face velocity; see maximum fan flow chart.
3. For motor data and power consumption comparison, refer to FCHG. Data is the same for both models.
4. For Fan flow selection guidelines, refer to F1-77.

Maximum Fan Flow Chart (Cooling Application)

Size	Max. cfm
20/30	700
40	1100
50	1450
60	2050
70	2600

Fan Performance Curves – ECM Motor



FAN COILS & BLOWER COILS

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Notes:

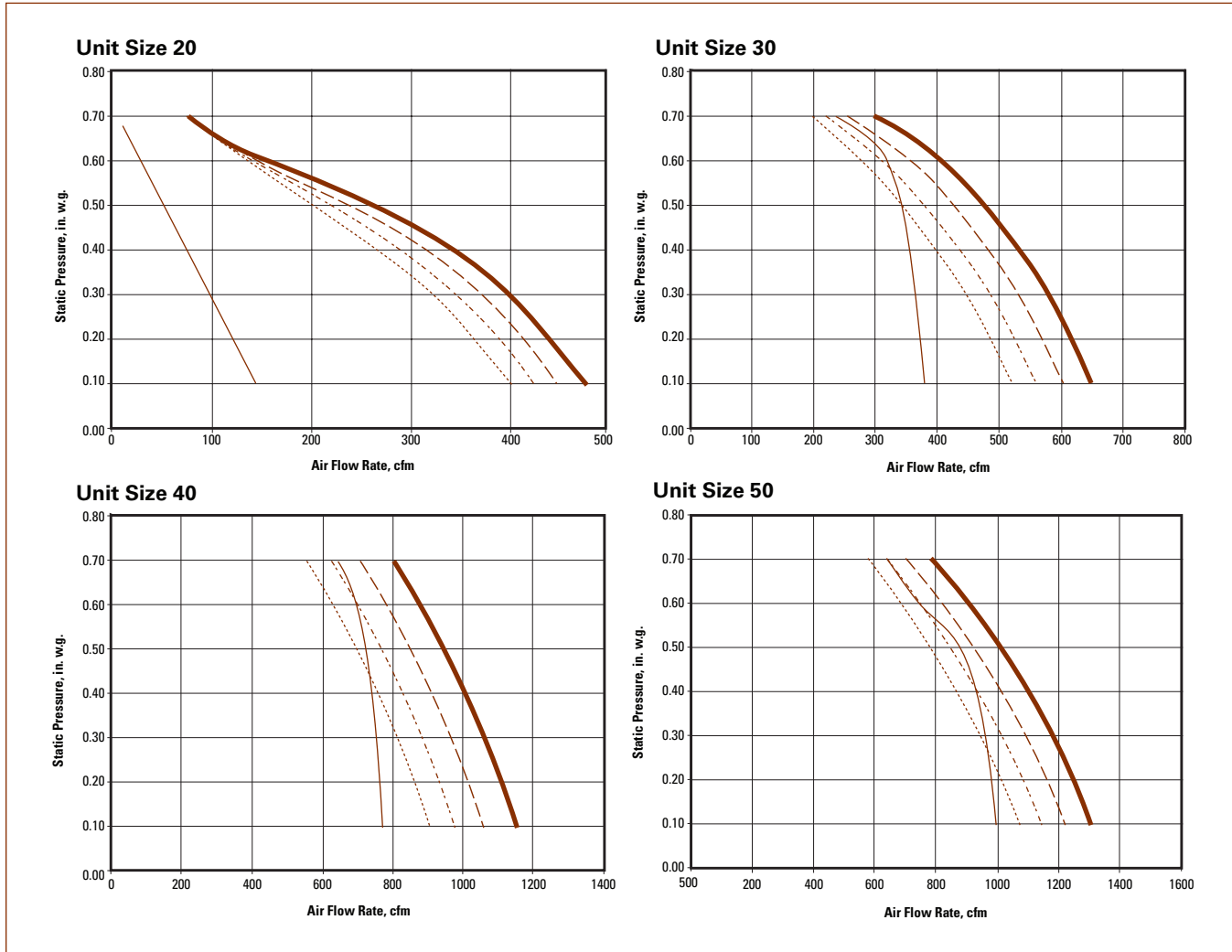
1. Fan curves include 2 in. MERV 8 filter.
2. To prevent condensate carry over in cooling applications, fan flow should not exceed 500 fpm average coil face velocity; see maximum fan flow chart.
3. For motor data and power consumption comparison, refer to FCHG. Data is the same for both models.
4. For Fan flow selection guidelines, refer to F1-77.

Maximum Fan Flow Chart (Cooling Application)

Size	Max. cfm
20/30	700
40	1100
50	1450
60	2050
70	2600

Fan Performance Curves – PSC Motor

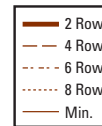
FAN COILS & BLOWER COILS



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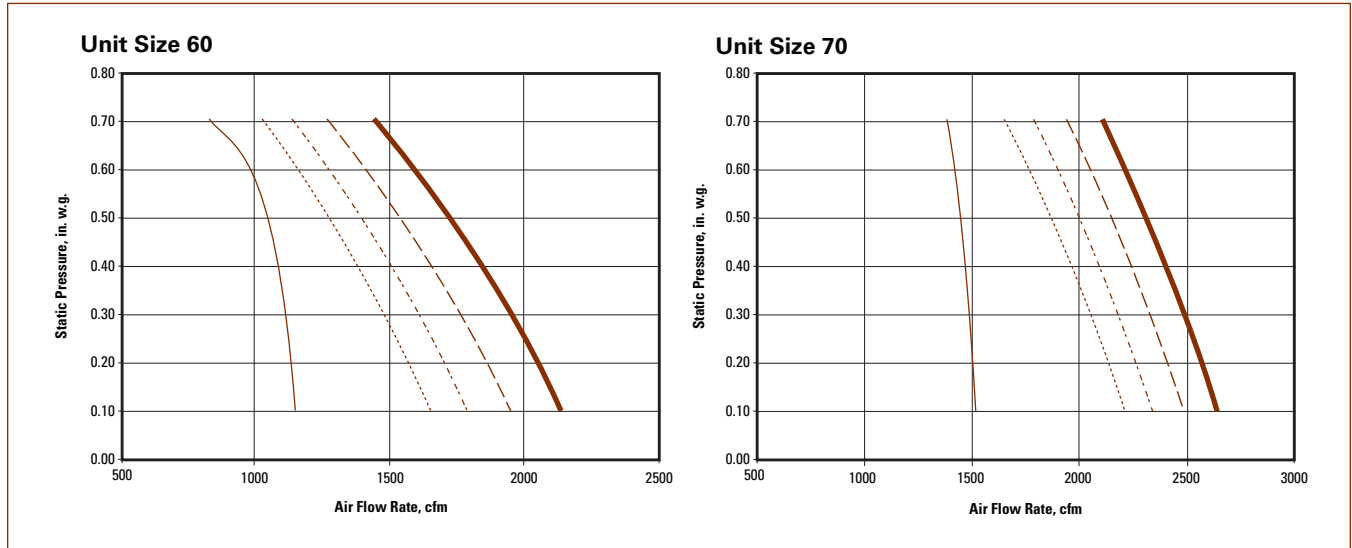
Notes:

1. Fan curves include 2 in. MERV 8 filter.
2. To prevent condensate carry over in cooling applications, fan flow should not exceed 500 fpm average coil face velocity; see maximum fan flow chart.
3. For motor data and power consumption comparison, refer to FCHG. Data is the same for both models.

Maximum Fan Flow Chart (Cooling Application)

Size	Max. cfm
20/30	700
40	1100
50	1450
60	2050
70	2600

Fan Performance Curves – PSC Motor



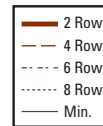
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Maximum Fan Flow Chart (Cooling Application)

Size	Max. cfm
20/30	700
40	1100
50	1450
60	2050
70	2600

High Performance Fan Coils

FCHGQ Series

Horizontal Quiet



Sound Power Levels - Fiberglass Discharge Silencer

Sound Power Levels, Lw, dB, re 10⁻¹² Watts
Radiated Sound Power Levels Discharge Sound Power Levels

Unit Size	Air Flow		Octave Band							Radiated NC	Octave Band							Discharge NC
	L/s	cfm	2	3	4	5	6	7	2		3	4	5	6	7			
20	47	100	59	54	52	48	38	31	27	63	49	37	30	23	17	--		
	94	200	62	57	56	53	43	35	30	66	52	40	34	27	22	22		
	142	300	64	59	58	57	47	38	33	68	54	43	38	31	26	25		
	212	450	66	62	61	61	52	42	36	71	58	46	42	36	31	25		
30	142	300	63	61	56	57	49	40	31	67	55	39	30	20	12	24		
	212	450	67	64	59	61	54	46	35	71	59	43	35	26	19	25		
	283	600	70	67	62	65	59	51	38	74	63	47	40	31	25	29		
	330	700	72	69	64	67	62	54	41	76	66	49	42	34	28	32		
40	236	500	62	57	56	57	48	39	30	64	52	39	31	22	22	--		
	307	650	65	60	58	60	52	43	33	67	56	43	35	26	27	20		
	378	800	68	63	60	62	56	47	35	70	59	46	39	30	31	22		
	448	950	70	65	62	65	59	51	37	73	62	49	42	33	35	25		
50	378	800	66	63	60	61	53	45	35	64	55	39	32	25	15	--		
	496	1050	69	66	63	64	57	49	38	67	59	42	36	29	20	--		
	566	1200	71	68	64	66	60	52	40	69	61	44	38	32	23	20		
	661	1400	73	70	66	68	63	55	42	72	63	47	41	35	26	23		
60	566	1200	68	64	61	63	56	47	36	67	58	42	35	26	27	18		
	661	1400	70	66	63	65	58	50	38	69	60	45	37	28	30	20		
	850	1800	73	69	65	68	62	55	41	73	64	48	41	33	35	25		
	944	2000	75	71	67	70	64	57	42	75	66	50	43	34	37	27		
70	708	1500	72	64	65	63	52	45	40	68	61	46	34	26	31	--		
	850	1800	75	67	67	65	55	49	42	71	64	48	38	30	35	22		
	1038	2200	78	70	69	68	58	53	45	74	67	51	42	34	40	27		
	1227	2600	80	72	71	71	61	56	49	77	70	54	45	37	44	30		

FAN COILS & BLOWER COILS

Sound Power Levels - Fiberglass Discharge & Inlet Silencers

Sound Power Levels, Lw, dB, re 10⁻¹² Watts
Radiated Sound Power Levels

Unit Size	Air flow		Octave Band							Radiated NC
	L/s	cfm	2	3	4	5	6	7		
20	47	100	58	49	46	42	33	27	20	
	94	200	60	52	50	47	38	31	24	
	142	300	62	54	52	50	42	34	26	
	212	450	65	56	55	55	47	38	30	
30	142	300	63	59	52	52	46	42	28	
	212	450	66	62	55	56	51	48	32	
	283	600	69	65	58	60	56	53	36	
	330	700	71	67	60	62	59	56	38	
40	236	500	60	54	52	50	42	37	26	
	307	650	63	57	54	53	46	41	29	
	378	800	66	60	56	55	50	45	31	
	448	950	69	62	58	58	53	49	33	
50	378	800	65	61	55	55	49	44	30	
	496	1050	69	64	58	59	54	48	34	
	566	1200	71	65	59	60	56	51	36	
	661	1400	73	67	61	63	59	54	39	
60	566	1200	67	60	56	57	54	48	31	
	661	1400	68	62	58	59	56	50	33	
	850	1800	72	65	61	62	60	55	38	
	944	2000	74	67	62	64	62	57	40	
70	708	1500	67	60	61	56	45	43	36	
	850	1800	70	63	63	58	48	47	39	
	1038	2200	73	66	66	61	51	51	41	
	1227	2600	76	68	68	64	54	54	43	

Sound Power Levels - Polymer Film Lined Discharge Silencer

Sound Power Levels, Lw, dB, re 10 ⁻¹² Watts																	
Radiated Sound Power Levels										Discharge Sound Power Levels							
Unit Size	Air Flow		Octave Band					Radiated NC	Octave Band						Discharge		
	L/s	cfm	2	3	4	5	6		7	2	3	4	5	6	7	NC (1)	NC (2)
20	47	100	59	54	52	48	38	31	27	63	51	44	40	30	24	21	--
	94	200	62	57	56	53	43	35	30	66	53	47	45	35	29	25	22
	142	300	64	59	58	57	47	38	33	68	56	49	48	38	33	27	25
	212	450	66	62	61	61	52	42	36	71	59	53	53	43	38	27	25
30	142	300	63	61	56	57	49	40	31	67	57	46	41	28	19	27	24
	212	450	67	64	59	61	54	46	34	71	61	50	46	34	26	27	25
	283	600	70	67	62	65	59	51	38	74	65	54	50	38	32	32	29
	330	700	72	69	64	67	62	54	40	77	67	56	53	41	36	35	32
40	236	500	62	57	56	57	48	39	30	63	54	49	45	26	29	--	--
	307	650	65	60	58	60	52	43	33	67	58	53	49	31	34	22	--
	378	800	68	63	60	62	56	47	35	70	61	56	52	34	39	23	21
	448	950	70	65	62	65	59	51	37	72	64	58	55	37	42	27	24
50	378	800	66	63	60	61	53	45	34	62	56	51	46	30	18	--	--
	496	1050	69	66	63	64	57	49	37	66	60	54	50	35	23	20	--
	566	1200	71	68	64	66	60	52	39	68	62	56	52	37	26	23	--
	661	1400	73	70	66	68	63	55	41	70	65	58	55	40	29	26	22
60	566	1200	68	64	61	63	56	47	36	67	59	50	47	30	34	20	--
	661	1400	70	66	63	65	58	50	38	69	61	52	50	32	37	23	20
	850	1800	73	69	65	68	62	55	41	73	65	56	54	37	42	28	25
	944	2000	75	71	67	70	64	57	42	75	67	58	56	38	44	30	27
70	708	1500	72	64	65	63	52	45	40	69	62	56	49	30	35	23	20
	850	1800	75	67	67	65	55	49	43	72	65	59	53	34	39	26	24
	1038	2200	78	70	69	68	58	53	45	75	69	62	57	37	43	30	28
	1227	2600	80	72	71	71	61	56	49	78	72	64	60	41	47	34	31

FAN COILS & BLOWER COILS

Sound Power Levels - Polymer Film Lined Discharge and Inlet Silencers

Sound Power Levels, Lw, dB, re 10 ⁻¹² Watts									
Radiated Sound Power Levels									
Unit Size	Air flow		Octave Band					Radiated NC	
	L/s	cfm	2	3	4	5	6		7
20	47	100	58	49	48	43	34	28	22
	94	200	60	52	51	48	39	32	25
	142	300	62	54	53	51	43	35	28
	212	450	65	57	57	56	48	39	31
30	142	300	63	59	53	53	46	41	28
	212	450	66	62	56	57	51	47	32
	283	600	69	65	59	61	56	52	36
	330	700	71	67	61	63	59	55	38
40	236	500	61	55	53	51	43	37	28
	307	650	64	58	56	54	47	42	30
	378	800	67	60	58	56	51	46	33
	448	950	69	63	60	59	54	49	35
50	378	800	65	61	55	56	49	43	31
	496	1050	69	64	58	59	53	48	34
	566	1200	70	66	60	61	56	50	36
	661	1400	73	68	62	63	59	53	39
60	566	1200	66	60	57	58	54	47	32
	661	1400	68	62	59	60	56	50	34
	850	1800	72	65	62	63	60	55	38
	944	2000	73	67	63	64	62	57	40
70	708	1500	67	61	64	58	46	45	39
	850	1800	70	64	66	60	49	48	42
	1038	2200	73	66	68	63	53	52	44
	1227	2600	76	69	71	66	56	56	46