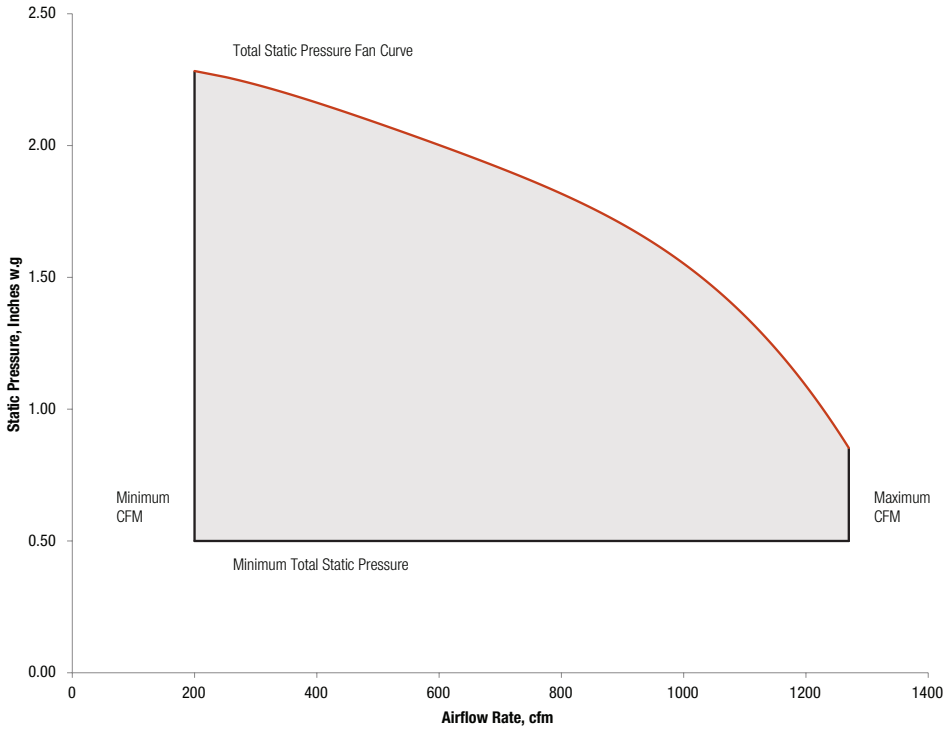


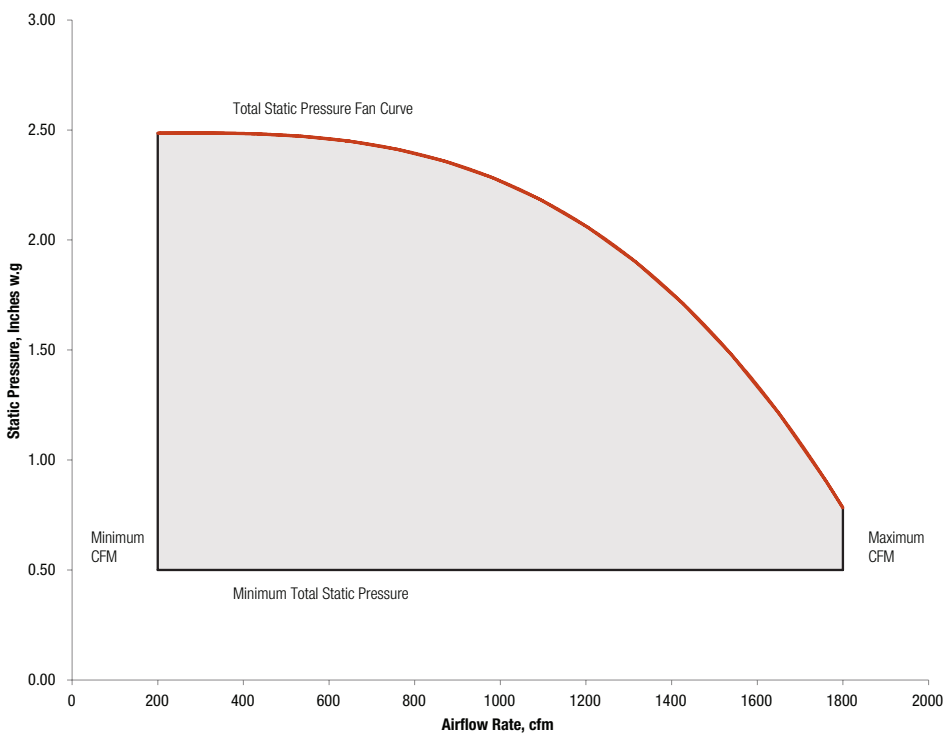
PERFORMANCE DATA

Fan Performance Curves

BCHD Size 08 ECM



BCHD Size 12 ECM



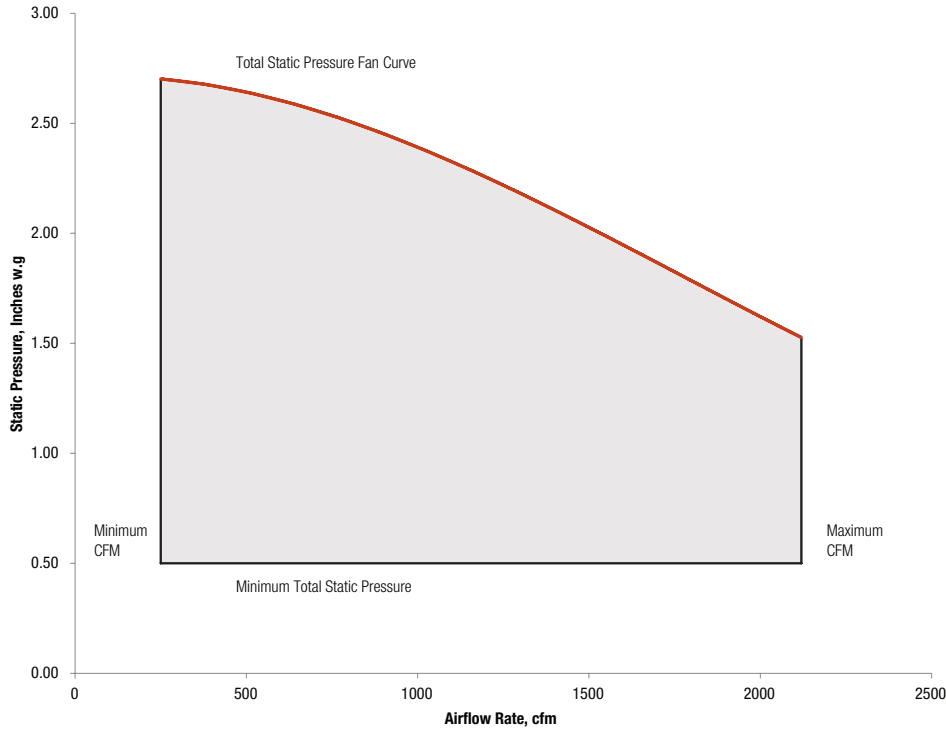
Notes:

1. Fan Performance data obtained in accordance with the latest editions of AHRI Standard 430-2014 and AMCA Standard 210-16.
2. Black solid lines represent maximum and minimum operating flows and static pressures.
3. All BCHD sizes require a minimum of 0.1" w.g. of downstream static pressure.

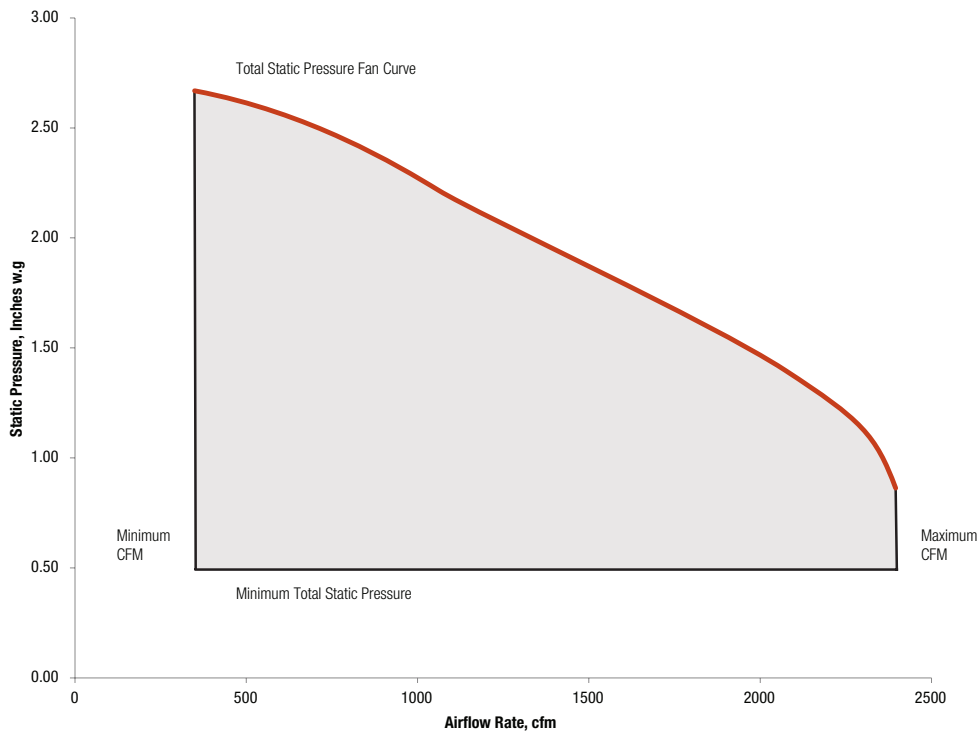
PERFORMANCE DATA

Fan Performance Curves

BCHD Size 16 ECM



BCHD Size 20 ECM



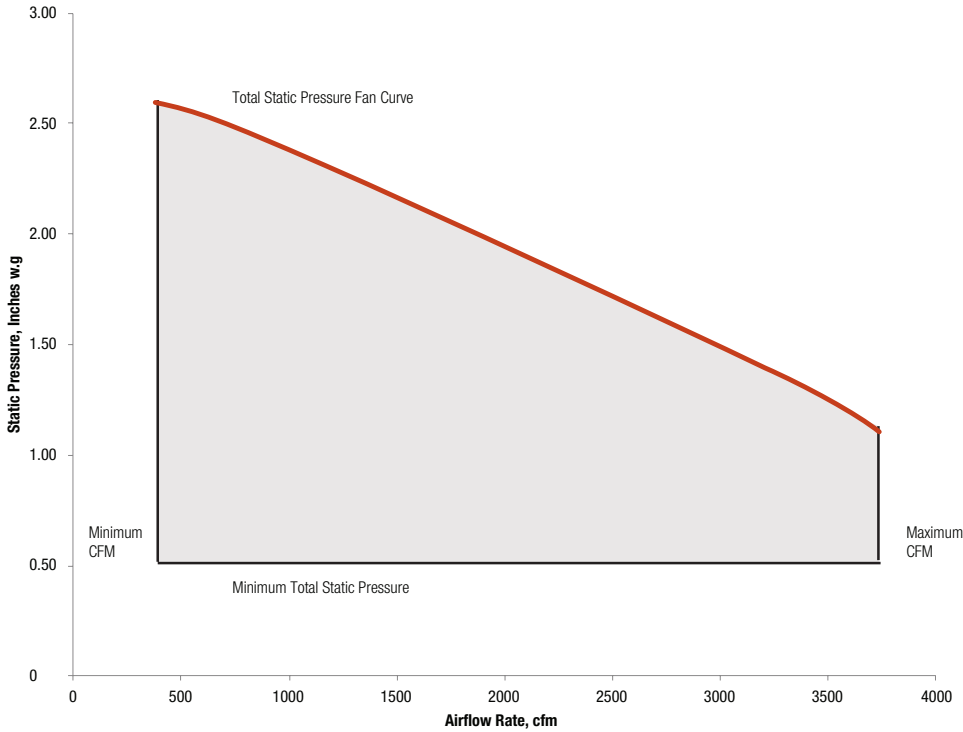
Notes:

1. Fan Performance data obtained in accordance with the latest editions of AHRI Standard 430-2014 and AMCA Standard 210-16.
2. Black solid lines represent maximum and minimum operating flows and static pressures.
3. All BCHD sizes require a minimum of 0.1" w.g. of downstream static pressure.

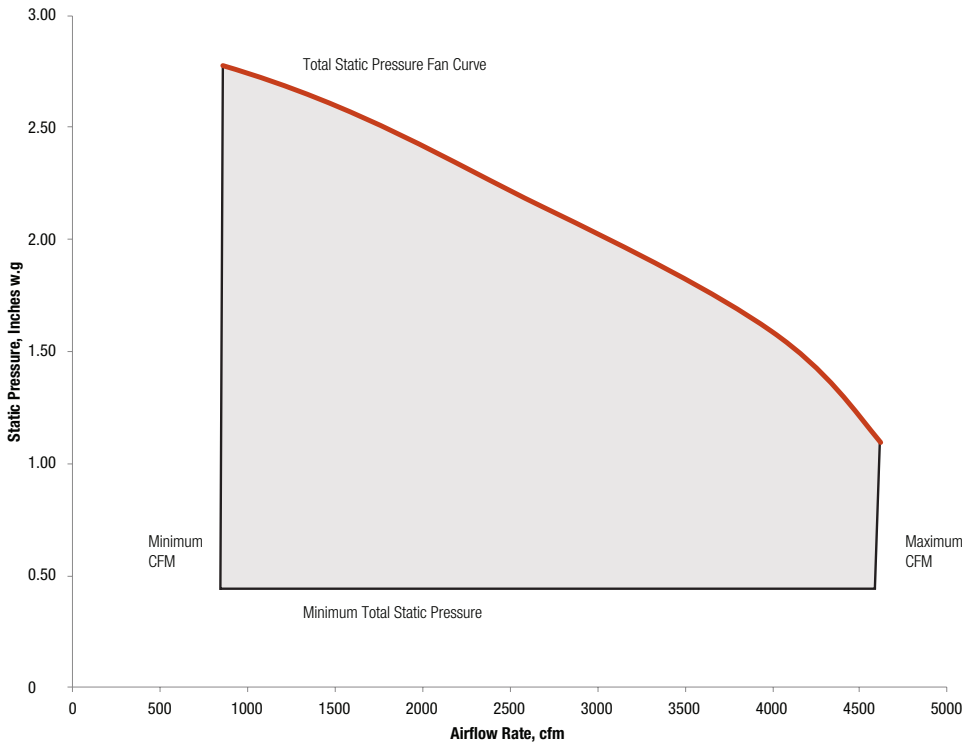
PERFORMANCE DATA

Fan Performance Curves

BCHD Size 30 ECM



BCHD Size 40 ECM



Notes:

1. Fan Performance data obtained in accordance with the latest editions of AHRI Standard 430-2014 and AMCA Standard 210-16.
2. Black solid lines represent maximum and minimum operating flows and static pressures.
3. All BCHD sizes require a minimum of 0.1" w.g. of downstream static pressure.

PERFORMANCE DATA

Component Static Pressure Losses

Unit	Flow (cfm)	Wet Coil				Dry Coil						2 in. MERV 8 Filters	2 in. MERV 13 Filters	Mixing Box
		3	4	6	8	1	2	3	4	6	8			
8	400	0.07	0.09	0.14	0.18	0.02	0.04	0.07	0.09	0.13	0.18	0.13	0.19	0.02
	600	0.14	0.18	0.27	0.36	0.04	0.09	0.13	0.17	0.26	0.34	0.25	0.32	0.03
	800	0.22	0.29	0.44	0.59	0.06	0.14	0.21	0.28	0.42	0.56	0.40	0.35	0.05
12	600	0.09	0.12	0.17	0.23	0.02	0.05	0.07	0.10	0.15	0.20	0.15	0.22	0.02
	900	0.17	0.23	0.34	0.45	0.04	0.10	0.15	0.20	0.29	0.39	0.29	0.34	0.03
	1200	0.27	0.37	0.55	0.73	0.07	0.16	0.24	0.32	0.47	0.63	0.47	0.32	0.06
16	800	0.08	0.11	0.16	0.21	0.02	0.04	0.07	0.09	0.14	0.18	0.12	0.18	0.02
	1200	0.16	0.21	0.31	0.42	0.04	0.09	0.13	0.18	0.27	0.36	0.23	0.31	0.03
	1600	0.25	0.34	0.51	0.68	0.06	0.14	0.21	0.29	0.43	0.57	0.38	0.35	0.06
20	1000	0.09	0.12	0.19	0.25	0.02	0.05	0.08	0.10	0.15	0.20	0.14	0.21	0.02
	1500	0.18	0.24	0.37	0.49	0.04	0.10	0.15	0.20	0.30	0.40	0.26	0.33	0.03
	2000	0.30	0.40	0.59	0.79	0.07	0.16	0.24	0.32	0.49	0.65	0.43	0.34	0.06
30	2000	0.16	0.21	0.32	0.43	0.04	0.09	0.13	0.18	0.27	0.36	0.25	0.32	0.02
	2500	0.23	0.31	0.47	0.62	0.06	0.13	0.19	0.26	0.39	0.52	0.37	0.35	0.04
	3000	0.31	0.42	0.63	0.84	0.08	0.17	0.26	0.35	0.53	0.70	0.51	0.29	0.06
40	2000	0.11	0.15	0.23	0.30	0.03	0.06	0.09	0.12	0.18	0.23	0.16	0.24	0.02
	3000	0.22	0.30	0.44	0.59	0.05	0.11	0.17	0.23	0.35	0.46	0.32	0.35	0.03
	4000	0.36	0.48	0.72	0.96	0.08	0.18	0.28	0.37	0.56	0.75	0.53	0.27	0.06

PERFORMANCE DATA

Nominal Cooling Capacities

Unit Size	Nominal CFM	Rows	Circuits	Connection Size (in.)	Total Capacity (MBH)	Sensible Capacity (MBH)	Fluid Flow (GPM)	Fluid PD (ft w.g.)
8	800	4	2	7/8	25.5	18.1	5.1	16.4
			4	7/8	21.6	16.4	4.4	2.3
		6	3	7/8	32.7	21.8	6.5	12.8
			6	7/8	29.5	20.4	5.9	2.7
		8	3	7/8	38.5	24.6	7.7	22.4
			6	7/8	34.4	22.8	6.9	4.2
12	1200	4	3	7/8	38.0	27.2	7.6	12.8
			5	7/8	33.0	25.0	6.6	3.4
		6	4	7/8	49.6	33.0	9.9	14.8
			6	7/8	45.6	31.3	9.1	6.2
		8	5	7/8	56.6	36.4	11.3	14.7
			8	7/8	52.0	34.4	10.4	7.3
16	1600	4	5	7/8	51.1	36.7	10.2	8.9
			8	7/8	44.2	34.1	8.8	4.8
		6	6	1 1/8	67.7	44.8	13.5	11.4
			9	1 1/8	62.2	42.4	12.4	5.3
		8	7	1 1/8	77.5	49.5	15.5	13.3
			10	1 1/8	73.3	47.6	14.6	7.6
20	2000	4	5	1 1/8	66.5	47.2	13.3	12.5
			8	1 1/8	58.6	43.8	11.7	4.5
		6	7	1 1/8	84.9	56.3	17.0	13.4
			10	1 1/8	78.8	53.6	15.7	7.8
		8	8	1 1/8	97.3	62.2	19.4	16.7
			12	1 1/8	91.2	59.4	18.2	10.8
30	3000	4	8	1 1/8	97.2	69.6	19.4	13.4
			12	1 1/8	86.4	65.0	17.3	8.9
		6	10	1 3/8	127.3	84.4	25.4	15.8
			14	1 3/8	118.8	80.6	23.7	10.2
		8	12	1 5/8	145.0	92.8	28.9	14.9
			17	1 5/8	137.1	89.2	27.4	9.2
40	4000	4	10	1 3/8	135.7	96.2	27.1	14.9
			14	1 3/8	123.7	91.1	24.7	10.0
		6	12	1 5/8	176.6	115.8	35.3	19.2
			17	1 5/8	165.1	110.7	33.0	12.0
		8	14	1 5/8	199.7	126.8	39.9	22.9
			17	1 5/8	194.6	124.4	38.9	18.1

Notes:

1. Nominal cooling capacities are based on 80°F DB, 67°F WB entering air temperature and 45°F entering water temperature, 10°F water temperature rise.
2. For all application ratings, please contact your local Price Representative.
3. Unit total static pressure includes External Static and Internal Pressure Drop such as cooling coils and filters.
4. Reference Price Selection software for discharge silencer sound performance.

PERFORMANCE DATA

Nominal Heating Capacities

Rows	Unit Size	Nominal CFM	Connection size (in.)	Circuits	10 °F Temperature Drop				20 °F Temperature Drop				30 °F Temperature Drop			
					Sensible Capacity (MBH)	LAT (°F)	Fluid Flow (GPM)	Fluid PD (ft w.g.)	Sensible Capacity (MBH)	LAT (°F)	Fluid Flow (GPM)	Fluid PD (ft w.g.)	Sensible Capacity (MBH)	LAT (°F)	Fluid Flow (GPM)	Fluid PD (ft w.g.)
1	8	800	5/8	1	31.1	90.8	4.8	21.8	28.4	87.6	2.9	9.0	24.0	82.7	1.6	3.2
				2	32.8	92.8	6.7	11.1	28.6	88.0	2.9	2.5	24.5	83.2	1.7	0.9
	12	1200	5/8	2	49.2	92.8	9.5	22.0	43.1	88.1	4.4	5.5	37.0	83.4	2.5	2.0
				3	50.1	93.5	10.3	26.7	43.7	88.6	4.5	6.0	37.4	83.7	2.6	2.2
	16	1600	7/8	3	71.2	96.0	14.3	10.7	62.1	90.8	6.4	2.5	53.2	85.7	3.6	0.9
				5	72.0	96.5	14.8	6.1	63.1	91.4	6.5	1.4	54.0	86.1	3.7	0.5
	20	2000	7/8	4	90.1	96.6	18.5	11.3	78.4	91.2	8.1	2.5	67.3	86.0	4.6	0.9
				6	90.8	96.9	18.7	9.5	79.4	91.7	8.2	2.1	68.1	86.4	4.7	0.8
	30	3000	1 1/8	5	131.2	95.4	23.8	11.6	115.8	90.6	11.9	3.3	99.5	85.6	6.8	1.2
				8	134.9	96.5	27.8	10.6	117.7	91.2	12.1	2.4	100.9	86.1	6.9	0.9
	40	4000	1 1/8	5	176.2	95.7	23.8	12.9	165.6	93.2	17.0	7.0	139.7	87.3	9.6	2.5
				8	189.1	98.7	38.1	19.7	165.2	93.2	17.0	4.6	142.1	87.8	9.7	1.7
2	8	800	7/8	3	60.1	124.3	12.3	10.2	55.6	119.1	5.7	2.5	51.3	114.1	3.5	1.1
				5	60.0	124.2	12.3	4.8	56.2	119.8	5.8	1.2	51.8	114.7	3.5	0.5
	12	1200	7/8	4	90.5	124.7	18.6	13.8	83.8	119.5	8.6	3.4	77.4	114.6	5.3	1.4
				8	90.6	124.7	18.6	11.4	85.3	120.6	8.8	3.0	78.7	115.6	5.4	1.3
	16	1600	7/8	6	127.9	128.8	26.3	20.7	118.5	123.4	12.2	5.2	109.6	118.2	7.5	2.2
				12	128.1	129.0	26.4	31.4	120.5	124.6	12.4	8.2	111.4	119.3	7.6	3.5
	20	2000	7/8	6	158.2	128.1	28.6	24.8	148.2	123.4	15.2	8.0	136.7	118.1	9.4	3.3
				12	160.8	129.3	33.1	47.4	150.5	124.5	15.5	12.2	139.2	119.3	9.5	5.2
	30	3000	1 1/8	10	237.5	128.2	47.6	34.2	219.7	122.7	22.6	8.9	204.2	117.9	14.0	3.8
				17	239.7	128.8	49.3	54.0	223.9	123.9	23.0	13.8	207.1	118.8	14.2	5.9
	40	4000	1 1/8	10	321.6	129.3	47.6	35.6	308.7	126.3	31.8	17.1	282.4	120.2	19.4	7.1
				17	333.5	132.0	68.7	98.8	309.4	126.5	31.8	24.8	286.9	121.3	19.7	10.5

Notes:

- Nominal Heating Capacities are based on 180 °F EWT and 55 °F EAT.
- Leaving air temperature is not to exceed 104 °F [40 °C] with the standard motor. Please contact Applications Engineering for higher temperature motor applications.
- For all application ratings and for information on four and six row heating coil capacities, please contact your local Price representative



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