

Table 33: Primary Airflow Ranges (Velocity Wing™ Sensor)

Type	Direct Digital		Analog Electronic		Pneumatic		Pneumatic	
Controller	Model ABC-7001,3		Model 51		Models 23, 24		Model 31	
Inlet Size	Min Airflow	Max Airflow	Min Airflow	Max Airflow	Min Airflow	Max Airflow	Min Airflow	Max Airflow
5" Ø	50	251	22	305	57	287	50	287
6" Ø	81	409	45	470	94	469	81	469
7" Ø	106	534	70	635	122	612	106	612
8" Ø	150	757	90	835	173	867	150	867
9" Ø	190	958	115	1100	220	1098	190	1098
10" Ø	234	1181	145	1355	271	1353	234	1353
12" Ø	312	1573	155	1740	360	1802	312	1802
14" Ø	428	2155	250	2300	494	2469	428	2469
16" Ø	583	2938	447	3390	673	3366	583	3366
24 x 16	1101	5550	650	6480	1272	6358	1101	6358

Notes:

- Minimum and maximum values shown are CFM
- Minimum and maximum airflow with pressure independent controls based on the following flow sensor signals:
 Model 51 Controller - 1 VDC – 10 VDC
 Model 31 Controller - 0.03" w.g. – 1.0" w.g.
 Models 23, 24 Controllers - 0.04" w.g. – 1.0" w.g.
 Models ABC-7001, 7003 Controllers - 0.03" w.g. – 0.76" w.g.
- Settings below the minimum are not recommended for accurate control when using pressure independent controls. Minimum airflow for pressure dependent applications is 0 cfm.
- Pressure independent controls may be set for 0 CFM, at or above the minimum airflow shown in table 4, but not between.
- Model 23 controller available as direct acting for normally open or model 24 controller available as reverse acting for normally closed damper positions. Factory set non-field adjustable start point and reset span.
- Model 31 controller can be used either as direct or reverse acting for normally open or normally closed damper positions. Field adjustable start point and reset span.
- Models 23, 24, 31 controllers equipped with separate adjustable knobs for maximum and minimum airflow settings.
- Model 51 electronic analog controller maximum and minimum airflow settings field adjustable at the thermostat.
- Models ABC-7001, 7003 BACnet DDC controllers are factory programmed.
- Airflow rates above maximum shown are available. Contact your Anemostat representative for application assistance.

Table 51: Unit Fan

Casing Size	Fan Size	Max Fan CFM @ 0.25 ESP			Inlet	Max Prim CFM
		High	Med	Low		
1	17	375	325	275	6	470
	25	715	675	635	7	635
2	17	540	410	285	8	865
	25	1100	975	820	9	1100
	50	1550	1450	1280	10	1355
3	50	1800	1600	1300	12	1800
	75	2175	1775	1380	14	2470
	10	2350	2225	2075	16	3390

Fan Flow Ranges
 Inlet Primary Ranges

Chart 3: Unit Flow Ranges

