

Table 33: Primary Airflow Ranges (VelocityWing™ Sensor)

Controller	Direct Digital		Analog Electronic		Pneumatic	
	MIN CFM (.025")	MAX CFM (1.50")	MIN CFM (1 VDC)	MAX CFM (10VDC)	MIN CFM (.03")	MAX CFM (1.00")
	SimplyVAV / Conquest		Model 51		Model 31	
Inlet Size	MIN CFM (.025")	MAX CFM (1.50")	MIN CFM (1 VDC)	MAX CFM (10VDC)	MIN CFM (.03")	MAX CFM (1.00")
5" Ø	45	350	22	305	50	287
6" Ø	75	575	45	470	81	469
7" Ø	100	750	70	635	106	612
8" Ø	135	1050	90	835	150	867
9" Ø	175	1350	115	1100	190	1098
10" Ø	215	1650	145	1355	234	1353
12" Ø	285	2200	155	1740	312	1802
14" Ø	390	3000	250	2300	428	2469
16" Ø	530	4100	447	3390	583	3366
24 x 16	1005	7700	650	6480	1101	6358

**Notes:**

- The MIN to MAX air flow ranges shown above are determined by the Anemostat controller attached to the Velocity Wing sensor. The Velocity Wing signal is shown in parenthesis.
- For other digital controllers, refer to the controller specifications for the allowable min to max Delta P sensor signals from the Velocity Wing sensor.

Table 45: Unit Fan

Unit Size	Inlet	Min Fan CFM	Max Prim & Fan
17	5	100	285
	6	100	470
	7	100	500
33	8	175	810
	9	175	1100
	10	175	1100
50	10	450	1355
	12	450	1600
	14	450	1600
75	12	650	1800
	14	650	2000
10	12	700	1800
	14	700	2400
	16	700	2400

**Note:**

- Primary air flow (CFM) must never exceed fan air flow
- Fan air flow = Primary air flow + Return (Induction) air flow

Chart 2: Unit Flow Ranges

