



Prime-Air Hurricane Venturi Blowers

- High Quality
- Low Cost
- High Output
- Galvanized Steel Diffuser
- Cast Aluminum Housing
- Carry Handle
- 6 Models Available
- Grounding Wire and Clamp Provided

Prime-Air Hurricane air movers provide high volumes of air with NO MOVING PARTS. Hurricanes can be used with air or steam, and are suitable for use in hazardous locations.

Hurricane Venturi Blowers are used for supplying or exhausting applications such as tanks, towers, refineries, process plants, pressure vessels, cooling and drying applications, confined work areas, manholes, cargo holes, foundries, sand blasting areas, and shipyard applications.

The Hurricane's design works on a basic principle that uses a series of small holes on the inside of the aluminum housing. The higher pressure air from the holes accelerates the air in the diffuser, increasing flow through the blower.



All Hurricane models are built to ABS (American Bureau of Shipping) approved standards

Galvanized steel diffuser cone is fastened with bolts for easy replacement

Hurricane Technical Data - Air Flow Performance

Supply Pressure (psig)	Model	Static Pressure (inches of water gauge)				
		0.0"	0.5"	1.0"	1.5"	2.0"
40	3P	970	900	830	720	620
	3	1080	1000	920	800	690
	6	2750	2500	1900	950	750
	8	4030	3520	2600	1950	920
	9	5830	5100	4300	3600	2800
	10	6200	5400	5000	4400	3400
60	3P	1125	1070	1000	936	8400
	3	1250	1190	1120	1040	930
	6	3450	3225	2900	2300	1100
	8	5000	4700	4100	3550	2700
	9	6840	6400	6050	5200	4800
	10	7500	6800	6400	6000	5000
80	3P	1350	1285	1190	1100	1000
	3	1500	1425	1325	1225	1120
	6	4000	3775	3500	3400	2775
	8	6000	5600	5050	4600	3900
	9	8000	7500	7000	6400	6000
	10	8500	8000	7600	7000	6600
100	3P	1575	1520	1450	1375	1290
	3	1750	1680	1610	1525	1430
	6	4600	4425	4225	3975	3700
	8	6300	5730	5290	4920	3990
	9	8900	8300	7700	7000	6600
	10	10500	9500	8000	7500	6800

Air Flow Through Flexible Duct

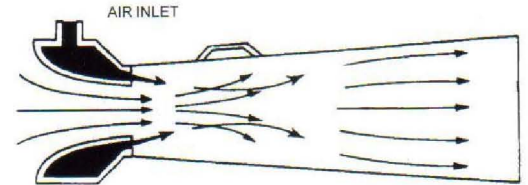
Supply Pressure (PSIG)	Model	Duct Length (ft)				
		10'	20'	30'	40'	50'
80	3P	1300	1260	1215	1170	1150
	3	1450	1400	1350	1300	1275
	6	3800	3600	3425	3300	3210
	8	5700	5350	5000	4700	4200
	9	7350	6900	6500	6300	5200
	10	8000	7600	7000	6600	5600

Free Air Induction Ratio

Model	40	60	80	100
3P	31	25	24	22
3	32	26	25	23
6	42	36	25	21
8	35	30	26	20
9	29	25	21	20
10	32	28	21	18

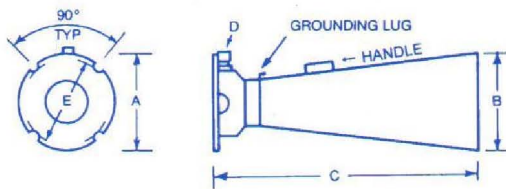
Performance Data

From 970 to 10,500 CFM



Venturi Blowers - Principle of Operation

In the Hurricane, air or steam enters a concentric manifold chamber surrounding a venturi throat. A series of orifices located symmetrically around the chamber are positioned to expand the air or steam into the reaction zone downstream of the throat. It is here that the high velocity air imparts its energy to slower moving air and accelerates it, which in turn draws more air into the reaction zone. Direction and expansion of the accelerated air is controlled by a conical diffuser.



Dimensions (in inches)

Model	A	B	C	Mounting Flange				Weight (lb)
				Air Inlet D	E	NO.	Notch Width	
3P	8	6	17	1/2	7.25	4	0.63	7
3	8	8	36	1/2	7.25	4	0.63	9
6	11.5	12	45	1	10.75	4	0.63	26
8	14.5	14	48	1	13.5	4	0.63	38
9	16.8	14	48	1 NPT	15.3	10	0.937	42
10	17.5	15.75	48	1	15.5	4	0.63	42

Dimensions