

**Fan:**  
 Make- *Eurusfan*  
 Model- *VFE2-50HP-A3PM-CBA*  
 Blade dia.- *51.0"*  
 Orifice dia.- *51.6"*

**Motor:**  
 Make- *Eurusdrive*  
 Model- *TFE5-100M8-75BXDV*  
 KW *2.2*  
 RPM- *730*  
 Volts- *380V*  
 Amps- *4.3A*  
 Hz- *50*  
 Phase- *3*  
 S. F.-

**Blade:**  
 Number- *6*  
 Shape- *Propeller*  
 Material- *Plastic*  
 Pitch- *-*  
 Clearance- *0.3"*

**Drive Sheaves:**  
 Drive dia.- *Direct*  
 Axle dia.- *Drive*

**Housing:**  
 Material- *FRP*  
 Intake area- *54"x54"*  
 Discharge- *51.6"*  
 Depth- *22"*

**Shutter:** *Butterfly*  
 Material- *Fiberglass*  
 # Doors- *2*  
 # Columns- *1*  
 Door length *53"*  
 Location- *Exhaust*

**Guards:**  
 Description- *Wire Wire*  
 Spacing- *4 concentric 2 concentric*  
 Location- *Exhaust Intake*

**Discharge Cone:**  
 Depth- *32.3"*  
 Minor dia.- *51.8"*  
 Major dia.- *61"*

**Notes:**

**Test Conditions:**

T(wb): 74.84 23.8  
 T(db): 83.48 28.6 Barometric pressure, recorded 29.97 101500

Static Pressure		Airflow		Static Pressure		Airflow			
(in.H2O)	(cfm)	rpm	Volts	Amps	Watts	cfm/Watt	(Pa)	(m³/h)	(m³/h)/Watt
<b>730转</b>									
0.00	32810	730	381.1	2.92	1642	20.0	0	55780	34.0
0.10	31460	730	379.2	3.26	1835	17.0	25	53480	28.9
0.20	29330	730	380.3	3.56	2047	14.2	50	49860	24.1
0.30	27410	730	380.1	3.83	2212	12.3	75	46590	20.9
0.40	24610	730	379.8	4.14	2413	10.1	100	41840	17.2
0.50	22050	730	379.6	4.35	2541	8.6	125	37490	14.6
0.60	19290	730	379.2	4.43	2577	7.4	150	32790	12.6
0.70	13230	730	379.7	4.22	2468	5.3	175	22480	9.0
<b>680转</b>									
0.00	31550	680	379.2	2.67	1450	21.8	0	31550	37.0
0.10	29770	680	379.3	2.91	1615	18.4	25	29770	31.3
0.20	27410	680	379.4	3.16	1775	15.4	50	46600	26.3
0.30	25230	680	379.1	3.38	1922	13.1	75	42900	22.3
0.40	22180	680	379.4	3.58	2051	10.8	100	37710	18.4
0.50	18770	680	379.4	3.77	2167	8.7	125	31910	14.7
0.60	14240	680	379.4	3.79	2179	6.5	150	24210	11.1
0.70	9410	680	379.0	3.90	2245	4.2	175	15990	7.1
<b>630转</b>									
0.00	29260	630	379.1	2.20	1143	25.6	0	49740	43.5
0.10	26680	630	379.7	2.48	1330	20.1	25	45350	34.1
0.20	24840	630	379.4	2.68	1460	17.0	50	42220	28.9
0.30	21610	630	379.2	2.92	1618	13.4	75	36740	22.7
0.40	17960	630	379.5	3.06	1714	10.5	100	30530	17.8
0.50	13710	630	379.6	3.06	1720	8.0	125	23310	13.6
0.60	8580	630	379.4	3.20	1800	4.8	150	14590	8.1
<b>580转</b>									
0.00	26860	580	379.2	1.85	910	29.5	0	45660	50.2
0.10	24020	580	379.8	2.09	1055	22.8	25	40830	38.7
0.20	21730	580	379.2	2.29	1196	18.2	50	36940	30.9

Static Pressure						Static Pressure			
(in.H2O)	Airflow (cfm)	rpm	Volts	Amps	Watts	cfm/Watt	(Pa)	Airflow (m <sup>3</sup> /h)	(m <sup>3</sup> /h)/Watt
0.30	17960	580	379.3	2.47	1313	13.7	75	30530	23.3
0.40	13710	580	379.5	2.53	1354	10.1	100	23310	17.2
<b>530转</b>									
0.00	24120	530	379.2	1.55	705	34.2	0	41010	58.2
0.10	21380	530	379.2	1.75	835	25.6	25	36350	43.5
0.20	18230	530	379.3	1.92	945	19.3	50	31000	32.8
0.30	14070	530	379.7	2.06	1034	13.6	75	23920	23.1
0.40	6990	530	379.5	2.05	1026	6.8	100	11890	11.6
<b>480转</b>									
0.00	21610	480	379.2	1.27	528	40.9	0	36740	69.6
0.10	18510	480	379.3	1.47	645	28.7	25	31460	48.8
0.20	14590	480	379.4	1.62	745	19.6	50	24800	33.3
0.30	9140	480	379.3	1.64	758	12.1	75	15540	20.5
<b>430转</b>									
0.00	19170	430	379.6	0.98	398	48.1	0	32580	81.8
0.10	15740	430	379.3	1.19	494	31.8	25	26760	54.1
0.20	10410	430	379.6	1.33	558	18.7	50	17690	31.7
<b>380转</b>									
0.00	16810	380	379.5	0.72	277	60.8	0	28580	103.3
0.10	11960	380	379.3	0.93	373	32.0	25	20340	54.5
<b>330转</b>									
0.00	14420	330	379.2	0.54	189	76.2	0	24510	129.6
0.10	8290	330	379.3	0.70	262	31.6	25	14090	53.8