

**Fan:**  
 Make- *Eurusfan*  
 Model- *VFE2-36HP35-A3PM-CR*  
 Blade dia.- *37.7"*  
 Orifice dia.- *38.0"*

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

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

**Motor:**  
 Make- *Eurusdrive*  
 Model- *OER-0022999*  
 KW *3.5*  
 RPM- *1110*  
 Volts- *380-480V*  
 Amps- *6.5A*  
 Hz- *50/60Hz*  
 Phase- *3*  
 S. F.-

**Housing:**  
 Material- *Fiberglass*  
 Intake area- *40.3"X40.3"*  
 Discharge- *38"*  
 Depth- *21.2"*

**Shutter:**  
 Material- *PVC*  
 # Doors- *12 per column*  
 # Columns- *2*  
 Door length- *20.2"*  
 Location- *Intake*

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

**Discharge Cone:**  
 Depth- *26.4"*  
 Minor dia.- *38"*  
 Major dia.- *44.9"*

**Notes:**

**Test Conditions:**

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

Static Pressure							Static Pressure			
(in.H2O)	Airflow (cfm)	rpm	Volts	Amps	Watts	cfm/Watt	(Pa)	Airflow (m³/h)	(m³/h)/Watt	
0.00	25530	1110	379.0	4.91	2925	8.7	0	43450	14.9	
0.10	24660	1110	379.3	5.16	3092	8.1	25	42330	13.7	
0.20	23950	1110	379.7	5.35	3212	7.5	50	41100	12.8	
0.30	23130	1110	379.4	5.50	3315	7.1	75	39710	12.0	
0.40	22510	1110	379.8	5.78	3485	6.5	100	38640	11.1	
0.50	21770	1110	379.2	5.93	3583	6.1	125	37364	10.4	
0.60	20960	1110	379.2	6.06	3674	5.8	150	35980	9.8	
0.70	19980	1110	378.1	6.25	3772	5.4	175	34280	9.1	
0.80	18890	1110	379.3	6.42	3904	4.9	200	32430	8.3	
0.90	16850	1110	379.1	6.46	3913	4.3	225	28910	7.3	
1.00	14120	1110	379.6	6.48	3931	3.6	250	24220	6.2	
0.00	23790	1060	379.5	4.29	2529	9.4	0	40440	16.0	
0.10	23070	1060	379.0	4.47	2642	8.7	25	39610	14.8	
0.20	22410	1060	379.4	4.65	2764	8.1	50	38470	13.8	
0.30	21680	1060	380.5	4.87	2913	7.4	75	37230	12.7	
0.40	20970	1060	379.3	5.09	3040	6.9	100	36010	11.7	
0.50	20200	1060	378.7	5.20	3111	6.5	125	34670	11.0	
0.60	19240	1060	379.4	5.38	3231	6.0	150	33030	10.1	
0.70	18020	1060	379.3	5.51	3308	5.4	175	30940	9.3	
0.80	16600	1060	379.3	5.64	3385	4.9	200	28500	8.3	
0.90	13800	1060	379.5	5.67	3412	4.0	225	23690	6.9	
1.00	9790	1060	379.8	5.63	3393	2.9	250	16810	4.9	
0.00	22620	1010	379.5	3.72	2158	10.5	0	38440	17.8	
0.10	21940	1010	380.4	3.94	2307	9.5	25	37670	16.2	
0.20	20840	1010	379.6	4.14	2433	8.6	50	35780	14.6	
0.30	20430	1010	379.5	4.29	2529	8.1	75	35070	13.7	
0.40	19680	1010	379.6	4.51	2666	7.4	100	33780	12.5	
0.50	18590	1010	380.5	4.63	2756	6.7	125	31920	11.5	
0.60	17490	1010	379.7	4.77	2838	6.2	150	30030	10.5	
0.70	15900	1010	379.5	4.83	2881	5.5	175	27300	9.4	
0.80	13870	1010	379.6	4.94	2955	4.7	200	23810	8.0	

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(in.H2O)	Airflow (cfm)	rpm	Volts	Amps	Watts	cfm/Watt	(Pa)	Airflow (m³/h)	(m³/h)/Watt	
0.90	9300	1010	379.4	4.86	2895	3.2	225	15960	5.5	
1.00	7360	1010	379.7	5.14	3079	2.4	250	12620	4.1	
0.00	21550	960	380.2	3.26	1859	11.6	0	36630	19.7	
0.10	20610	960	378.7	3.43	1966	10.5	25	35390	17.8	
0.20	20010	960	381.3	3.62	2103	9.5	50	34350	16.2	
0.30	19140	960	379.2	3.79	2203	8.7	75	32860	14.8	
0.40	18230	960	379.6	3.96	2315	7.9	100	31300	13.4	
0.50	17160	960	380.2	4.08	2392	7.2	125	29460	12.2	
0.60	15600	960	380.4	4.19	2466	6.3	150	26790	10.8	
0.70	13660	960	380.1	4.23	2493	5.5	175	23460	9.3	
0.80	8770	960	379.5	4.22	2485	3.5	200	15060	6.0	
0.90	7020	960	379.27	4.472	2648	2.7	225	12050	4.5	
0.00	20520	910	380.6	2.88	1610	12.7	0	34880	21.7	
0.10	19530	910	380.3	3.02	1706	11.4	25	33530	19.5	
0.20	18640	910	379.4	3.19	1813	10.3	50	32000	17.5	
0.30	17860	910	379.6	3.37	1928	9.3	75	30670	15.8	
0.40	16880	910	379.6	3.52	2025	8.3	100	28990	14.2	
0.50	15480	910	380.4	3.57	2067	7.5	125	26580	12.7	
0.60	13660	910	379.1	3.69	2140	6.4	150	23460	10.9	
0.70	8660	910	380.3	3.64	2105	4.1	175	14870	7.0	
0.80	6390	910	380.5	3.85	2245	2.8	200	10960	4.8	
0.00	19290	860	380.2	2.49	1345	14.3	0	32780	24.4	
0.10	18390	860	380.3	2.64	1446	12.7	25	31570	21.6	
0.20	17440	860	379.9	2.80	1551	11.2	50	29930	19.1	
0.30	16490	860	378.6	2.95	1641	10.0	75	28310	17.1	
0.40	15300	860	379.5	3.07	1725	8.9	100	26260	15.1	
0.50	13660	860	380.3	3.15	1790	7.6	125	23460	13.0	
0.60	9690	860	380.6	3.16	1795	5.4	150	16640	9.2	
0.70	6290	860	380.5	3.33	1904	3.3	175	10800	5.6	
0.00	18330	810	380.5	2.22	1164	15.7	0	31160	26.8	
0.10	17220	810	380.3	2.34	1249	13.8	25	29560	23.4	
0.20	16260	810	380.2	2.50	1352	12.0	50	27910	20.4	
0.30	15170	810	380.5	2.62	1430	10.6	75	26050	18.0	
0.40	13800	810	379.8	2.74	1512	9.1	100	23690	15.5	
0.50	10710	810	379.6	2.79	1542	6.9	125	18390	11.8	
0.60	6100	810	379.8	2.82	1562	3.9	150	10460	6.6	
0.00	17050	760	380.3	1.90	954	17.9	0	28980	30.4	
0.10	15960	760	379.6	2.05	1045	15.3	25	27410	26.0	
0.20	14920	760	380.0	2.19	1143	13.1	50	25620	22.2	
0.30	13800	760	380.1	2.31	1218	11.3	75	23690	19.3	
0.40	11400	760	380.1	2.37	1257	9.1	100	19570	15.4	
0.50	6560	760	380.2	2.41	1284	5.1	125	11250	8.7	
0.00	15960	710	379.8	1.61	793	20.1	0	27130	34.2	
0.10	14670	710	380.0	1.76	865	16.9	25	25180	28.8	
0.20	13660	710	379.6	1.92	960	14.2	50	23460	24.2	
0.30	11810	710	379.6	1.99	1007	11.7	75	20270	19.9	
0.40	6840	710	380.0	2.01	1027	6.7	100	11740	11.3	
0.00	14860	660	380.3	1.33	648	22.9	0	25250	39.0	
0.10	13450	660	381.3	1.46	715	18.8	25	23100	32.0	

Static Pressure							Static Pressure		Airflow	
(in.H2O)	(cfm)	rpm	Volts	Amps	Watts	cfm/Watt	(Pa)	(m <sup>3</sup> /h)	(m <sup>3</sup> /h)/Watt	
0.20	12040	660	379.7	1.60	787	15.3	50	20680	26.0	
0.30	9190	660	380.2	1.70	843	10.9	75	15780	18.5	
0.00	13660	610	380.4	1.07	512	26.7	0	23220	45.4	
0.10	12040	610	379.8	1.20	579	20.8	25	20680	35.4	
0.20	10080	610	379.7	1.34	648	15.5	50	17300	26.4	
0.30	4720	610	380.5	1.34	652	7.2	75	8100	12.3	
0.00	12280	560	380.8	0.86	405	30.3	0	20870	51.6	
0.10	10540	560	379.9	0.98	463	22.7	25	18090	38.6	
0.20	7860	560	379.2	1.06	505	15.6	50	13500	26.5	
0.00	11060	510	380.8	0.70	321	34.5	0	18800	58.6	
0.10	8990	510	380.0	0.83	384	23.4	25	15430	39.8	
0.20	3850	510	379.3	0.85	397	9.7	50	6600	16.5	