

EuroSeries® -(ESP) Plate Mounted Axial Fans



Features and Benefits

- External rotor motors
- Die cast aluminium impellers
- Fully speed controllable
- Air Volumes up to 13.89m³/s.
- Sizes 315 to 1000 dia protected to IP54.
- Operating Temperatures from -40°C up to +70°C.
- Motor Insulation Class F.
- Thermal overload for motor Protection.
- All units reversible for Supply or Extract.
- Tough epoxy paint finish.
- Quality Assurance to BS EN ISO 9001:1994.
- Performance tested to ISO 5801

Performance Guide

Dia	Phase	Stock Ref	RPM	IP Rating	m ³ /s										Motor S.C. F.L.C. dBA					
					0	25	50	70	100	125	150	200	225	250	300	KW	Amps	Amps @ 3m		
2 POLE																				
250	1	ESP25012	2440	IP44	0.46	0.42	0.40	0.37	0.31	0.21	0.14						0.14	1.15	0.6	59
250	3	ESP25032	2700	IP44	0.59	0.57	0.55	0.53	0.50	0.45							0.35	2.5	0.63	61
315	1	ESP31512	2690	IP54	1.02	0.98	0.96	0.92	0.88	0.84	0.80	0.68					0.48	6	2.1	64
315	3	ESP31532	2800	IP54	1.06	1.03	1.01	0.98	0.95	0.92	0.89	0.81	0.69				0.48	5	0.9	60
355	1	ESP35512	2800	IP54	1.40	1.37	1.33	1.30	1.26	1.21	1.18	1.05	1.00	0.93			1.05	19	4.45	71
355	3	ESP35532	2700	IP54	1.42	1.37	1.33	1.30	1.27	1.22	1.18	1.07	1.01	0.89			1.05	8	2.2	73
4 POLE																				
250	1	ESP25014	1340	IP44	0.21	0.17	0.12	0.07								0.04	0.3	0.16	44	
315	1	ESP31514	1300	IP54	0.57	0.50	0.42	0.34								0.15	1.38	0.7	50	
315	3	ESP31534	1390	IP54	0.58	0.52	0.44	0.35								0.11	2.1	0.27	46	
355	1	ESP35514	1330	IP54	0.96	0.87	0.76	0.63								0.19	1.45	0.84	53	
355	3	ESP35534	1370	IP54	1.00	0.92	0.83	0.71								0.17	1.35	0.37	49	
400	1	ESP40014	1350	IP54	1.40	1.28	1.16	0.97								0.29	2.4	1.45	56	
400	3	ESP40034	1350	IP54	1.48	1.38	1.28	1.08								0.26	2.1	0.56	51	
450	1	ESP45014	1370	IP54	1.72	1.60	1.46	1.34	1.11							0.36	3.6	1.6	61	
450	3	ESP45034	1380	IP54	1.80	1.70	1.59	1.43	1.24							0.36	2.6	0.8	56	
500	1	ESP50014	1290	IP54	2.10	1.97	1.82	1.64	1.41							0.51	4.3	2.3	55	
500	3	ESP50034	1380	IP54	2.27	2.15	2.05	1.90	1.75	1.54						0.55	3.7	1.05	58	
560	1	ESP56014	1320	IP54	3.72	3.58	3.44	3.32	3.11	2.94	2.71					1.4	9.3	6	63	
560	3	ESP56034	1220	IP54	3.43	3.24	3.08	2.92	2.67	2.38	2.05					1	7	1.8	70	
630	1	ESP63014	1320	IP54	5.09	4.92	4.77	4.62	4.41	4.26	4.02	3.47	3.14	2.72		2.2	28	9.9	70	
630	3	ESP63034	1360	IP54	5.19	5.01	4.86	4.71	4.47	4.23	4.02	3.41				1.9	14	3.2	64	
710	3	ESP71034	1290	IP54	6.81	6.65	6.49	6.34	6.16	5.94	5.72	5.22	4.82	4.42		2.9	19	5.3	72	
800	3	ESP80034	1270	IP54	10.39	10.10	9.81	9.57	9.18	8.79	8.45	7.73	7.20	6.72	5.51	4.7	29	8.3	78	
6 POLE																				
355	1	ESP35516	950	IP54	0.69	0.53										0.09	1.2	0.46	44	
355	3	ESP35536	910	IP54	0.62	0.35										0.09	0.5	0.25	45	
400	1	ESP40016	940	IP54	0.98	0.81										0.13	1.4	0.6	45	
400	3	ESP40036	920	IP54	0.96	0.79										0.11	0.9	0.28	50	
450	1	ESP45016	915	IP54	1.15	0.99										0.17	2.7	0.77	50	
450	3	ESP45036	890	IP54	1.16	1.00	0.75									0.12	1	0.28	51	
500	1	ESP50016	910	IP54	1.45	1.27	0.96									0.25	4.74	1.35	54	
500	3	ESP50036	900	IP54	1.52	1.35	1.16									0.23	1.5	0.56	56	
560	1	ESP56016	880	IP54	2.46	2.25	1.95	1.65								0.43	4.6	1.95	56	
560	3	ESP56036	860	IP54	2.39	2.15	1.83	1.42								0.39	1.75	0.81	56	
630	1	ESP63016	880	IP54	3.33	3.06	2.75	2.46								0.6	5.3	2.7	57	
630	3	ESP63036	890	IP54	3.37	3.10	2.80	2.48								0.59	3.6	1.3	59	
710	1	ESP71016	850	IP54	4.56	4.24	3.90	3.53								0.89	8	4.1	60	
710	3	ESP71036	860	IP54	4.71	4.41	4.11	3.80	3.29							1.1	7.7	2.2	62	
800	3	ESP80036	900	IP54	6.30	5.94	5.58	5.22	4.67	3.95						1.4	9.8	2.7	64	
1000	3	ESP100036	935	IP54	13.89	13.35	13.04	12.73	12.35	11.92	11.46	10.88	10.26	9.72		5.5	67	10.5	77	
8 POLE																				
630	1	ESP63018	650	IP54	1.79	1.29										0.32	6.4	1.45	58	
630	3	ESP63038	630	IP54	1.79	1.29										0.31	1.5	0.65	55	
710	1	ESP71018	640	IP54	3.40	2.98	2.37									0.52	8.5	2.3	58	
710	3	ESP71038	630	IP54	3.40	2.98	2.37									0.43	3.3	1.1	55	
800	3	ESP80038	670	IP54	4.82	4.35	3.84									0.69	5	1.75	58	
1000	3	ESP100038	670	IP54	9.78	9.35	8.91	8.42	7.66	6.63						2.2	13	4.2	65	

158 For Fans wired to reverse run, duty reduced by 30%

Models All RED highlighted text GEN All BLUE highlighted text IND

Stock Ref	Elect 1ph	Speed Controllers		Starter 1 phase Stock Ref	Speed Controllers	
		Auto Transfor. 1ph	3 phase Stock Ref		Auto Transfor. 3ph	3 phase Stock Ref
Single Phase - 2 Pole						
ESP25012	SP5001	SPM5020	RDO1B	ESP25032	RDTK10	RDO3B
ESP31512	SP5025	SPM5035	RDO1D	ESP31532	RDTK10	RDO3D
ESP35512	SP5050	SPM5060	RDO1F	ESP35532	RDTK40	RDO3E
Three Phase - 2 Pole						
Single Phase - 4 Pole						
ESP25014	SP5001	SPM5020	RDO1A	ESP31534	RDTK10	RDO3B
ESP31514	SP5001	SPM5020	RDO1BB	ESP35534	RDTK10	RDO3A
ESP35514	SP5001	SPM5020	RDO1B	ESP40034	RDTK10	RDO3B
ESP40014	SP5025	SPM5020	RDO1D	ESP45034	RDTK10	RDO3D
ESP45014	SP5025	SPM5020	RDO1D	ESP50034	RDTK20	RDO3C
ESP50014	SP5025	SPM5035	RDO1E	ESP56034	RDTK40	RDO3D
ESP56014	SP5010	SPM5075	RDO1J	ESP63034	RDTK40	RDO3F
ESP63014	-	SPM5140A	RDO1J	ESP71034	RDTK70	RDO1G
				ESP80034	RD14	RDO1G

Single Phase - 6 Pole				Three Phase - 6 Pole		
ESP35516	SP5001	SPM5020	RDO1B	ESP35536	RDTK10	RDO3A
ESP40016	SP5001	SPM5020	RDO1B	ESP40036	RDTK10	RDO3A
ESP45016	SP5001	SPM5020	RDO1B	ESP45036	RDTK10	RDO3A
ESP50016	SP5025	SPM5020	RDO1D	ESP50036	RDTK10	RDO3B
ESP56016	SP5025	SPM5035	RDO1D	ESP56036	RDTK10	RDO3B
ESP63016	SP5050	SPM5035	RDO1E	ESP63036	RDTK20	RDO3C
ESP71016	SP5050	SPM5060	RDO1F	ESP71036	RDTK40	RDO3E
				ESP80036	RDTK40	RDO3E
				ESP100036	RD14	RDO3J

Single Phase - 8 Pole				Three Phase - 8 Pole		
ESP63018	SP5025	SPM5035	RDO1E	ESP63038	RDTK10	RDO3B
ESP71018	SP5025	SPM5035	RDO1C	ESP71038	RDTK20	RDO3C
				ESP80038	RDTK20	RDO3D
				ESP100038	RDTK70	RDO3F

Size	Louvre Shutter Stock Ref	Impeller Discharge Side Guard Stock Ref	Imp. Disch. Guard when used with a LS shutter Stock Ref
250	LS250	10502325	10502375
315	LS315	10502325	10502375
355	LS355	10502375	10502450
400	LS400	10502450	10502525
450	LS450	10502525	10502630
500	LS500	10502525	10502630
560	LS560	10502630	10502630
630	LS630	10502630	10502800
710	LS710	10502800	10502800
800	LS800	10502800	105021000
1000	LS1000	105021000	-

Dimensions										
Dia	a	b	Øc	Ød	e	f	g	h	Øj	Kg
250	370	320	256.5	264.5	84	80	6	80	9	3.4
315	430	380	320	328	84	84	19	70	9	6.3
355	485	435	367	372	86	97	21	75	9	7.3
400	540	490	412	420	93	100	12	88	9	10.2
450	575	535	463	480	86	139	14	96	11	15.8
500	655	615	517	528						