

EuroSeries® (ESP)

Plate Mounted Axial Fans



Features & 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 - Supply or Extract.
- Tough epoxy paint finish.
- Quality Assurance to BS EN ISO 9001:1994.
- Performance tested to ISO 5801

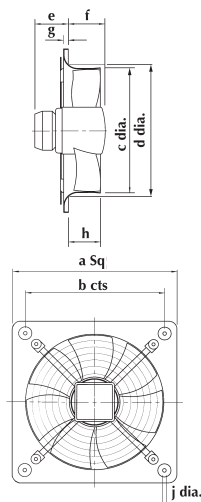
Performance Guide

Dia	Phase	Pole	Stock Ref	RPM	IP		m³/s										Motor kW	S.C. Amps	F.L.C. Amps	dBA @ 3m
					Rating	0	25	50	70	100	125	150	200	225	250	300				
2 Pole																				
250	1	2	ESP25012	2440	IP44	0.46	0.42	0.4	0.37	0.31	0.21	0.14					0.14	1.15	0.6	59
250	3	2	ESP25032	2700	IP44	0.59	0.57	0.55	0.53	0.5	0.45						0.35	2.5	0.63	61
315	1	2	ESP31512	2690	IP54	1.02	0.98	0.96	0.92	0.88	0.84	0.8	0.68				0.48	6	2.1	64
315	3	2	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
4 Pole																				
250	1	4	ESP25014	1340	IP44	0.21	0.17	0.12	0.07								0.04	0.3	0.16	44
315	1	4	ESP31514	1300	IP54	0.57	0.5	0.42	0.34								0.15	1.38	0.7	50
315	3	4	ESP31534	1390	IP54	0.58	0.52	0.44	0.35								0.11	2.1	0.27	46
355	1	4	ESP35514	1330	IP54	0.96	0.87	0.76	0.63								0.19	1.45	0.84	53
355	3	4	ESP35534	1370	IP54	1	0.92	0.83	0.71								0.17	1.35	0.37	49
400	1	4	ESP40014	1350	IP54	1.4	1.28	1.16	0.97								0.29	2.4	1.45	56
400	3	4	ESP40034	1350	IP54	1.48	1.38	1.28	1.08								0.26	2.1	0.56	51
450	1	4	ESP45014	1370	IP54	1.72	1.6	1.46	1.34	1.11							0.36	3.6	1.6	61
450	3	4	ESP45034	1380	IP54	1.8	1.7	1.59	1.43	1.24							0.36	2.6	0.8	56
500	1	4	ESP50014	1290	IP54	2.1	1.97	1.82	1.64	1.41							0.51	4.3	2.3	55
500	3	4	ESP50034	1380	IP54	2.27	2.15	2.05	1.9	1.75	1.54						0.55	3.7	1.05	58
560	1	4	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	4	ESP56034	1220	IP54	3.43	3.24	3.08	2.92	2.67	2.38	2.05					1	7	1.8	70
630	1	4	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	4	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	4	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	4	ESP80034	1270	IP54	10.39	10.1	9.81	9.57	9.18	8.79	8.45	7.73	7.2	6.72	5.51	4.7	29	8.3	78
6 Pole																				
355	1	6	ESP35516	950	IP54	0.69	0.53										0.09	1.2	0.46	44
355	3	6	ESP35536	910	IP54	0.62	0.35										0.09	0.5	0.25	45
400	1	6	ESP40016	940	IP54	0.98	0.81										0.13	1.4	0.6	45
400	3	6	ESP40036	920	IP54	0.96	0.79										0.11	0.9	0.28	50
450	1	6	ESP45016	915	IP54	1.15	0.99										0.17	2.7	0.77	50
450	3	6	ESP45036	890	IP54	1.16	1	0.75									0.12	1	0.28	51
500	1	6	ESP50016	910	IP54	1.45	1.27	0.96									0.25	4.74	1.35	54
500	3	6	ESP50036	900	IP54	1.52	1.35	1.16									0.23	1.5	0.56	56
560	1	6	ESP56016	880	IP54	2.46	2.25	1.95	1.65								0.43	4.6	1.95	56
560	3	6	ESP56036	860	IP54	2.39	2.15	1.83	1.42								0.39	1.75	0.81	56
630	1	6	ESP63016	880	IP54	3.33	3.06	2.75	2.46								0.6	5.3	2.7	57
630	3	6	ESP63036	890	IP54	3.37	3.1	2.8	2.48								0.59	3.6	1.3	59
710	1	6	ESP71016	850	IP54	4.56	4.24	3.9	3.53								0.89	8	4.1	60
710	3	6	ESP71036	860	IP54	4.71	4.41	4.11	3.8	3.29							1.1	7.7	2.2	62
800	3	6	ESP80036	900	IP54	6.3	5.94	5.58	5.22	4.67	3.95						1.4	9.8	2.7	64
1000	3	6	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	8	ESP63018	650	IP54	1.79	1.29										0.32	6.4	1.45	58
630	3	8	ESP63038	630	IP54	1.79	1.29										0.31	1.5	0.65	55
710	1	8	ESP71018	640	IP54	3.4	2.98	2.37									0.52	8.5	2.3	58
710	3	8	ESP71038	630	IP54	3.4	2.98	2.37									0.43	3.3	1.1	55
800	3	8	ESP80038	670	IP54	4.82	4.35	3.84									0.69	5	1.75	58

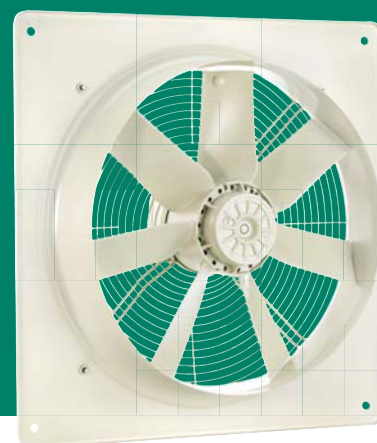
For Fans wired to reverse run, duty reduced by 30%

Dimensions (mm)

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	84	141	16	104	11	17.3
560	725	675	568	589	81	142.5	16	119	11	24
630	805	750	643	664	82	142.5	20	130	11	45
710	850	810	720	763	37	176.5	20	150	14.5	31
800	970	910	804	869	34	244	17	193	14.5	38
1000	1170	1110	1009	1067	40	284	20	200	14.5	84



Vent-Axia® Roof Units



Models & Accessories

Speed Controllers			Starter 1 phase		Speed Controllers		Starter 3 phase	
Stock Ref	Elect 1ph	Auto Transfor.	Starter Ref	Overload Ref	Stock Ref	Auto Transfor.	Starter Ref	Overload Ref
Single Phase - 2 Pole			Three Phase - 2 Pole					
ESP25012	SP5001	SPM5020	444744	444699	ESP25032	RDTK10	444747	444699
ESP31512	SP5025	SPM5035	444744	444701	ESP31532	RDTK20	444747	444700
ESP35512	SP5050	SPM5060	444744	444703	ESP35532	RDTK40	444747	444702
Single Phase - 4 Pole			Three Phase - 4 Pole					
ESP25014	SP5001	SPM5020	444744	444696				
ESP31514	SP5001	SPM5020	444744	444699	ESP31534	RDTK10	444747	444697
ESP35514	SP5001	SPM5020	444744	444699	ESP35534	RDTK10	444747	444698
ESP40014	SP5025	SPM5020	444744	444701	ESP40034	RDTK10	444747	444699
ESP45014	SP5025	SPM5020	444744	444701	ESP45034	RDTK10	444747	444699
ESP50014	SP5025	SPM5035	444744	444702	ESP50034	RDTK20	444747	444700
ESP56014	SP5010	SPM5075	444744	444704	ESP56034	RDTK40	444747	444701
ESP63014	-	SPM5140A	444744	444706	ESP63034	RDTK40	444747	444702
					ESP71034	RDTK70	444747	444703
					ESP80034	RD14	444747	444705
Single Phase - 6 Pole			Three Phase - 6 Pole					
ESP35516	SP5001	SPM5020	444744	444698	ESP35536	RDTK10	444747	444697
ESP40016	SP5001	SPM5020	444744	444699	ESP40036	RDTK10	444747	444697
ESP45016	SP5001	SPM5020	444744	444699	ESP45036	RDTK10	444747	444697
ESP50016	SP5025	SPM5020	444744	444700	ESP50036	RDTK10	444747	444699
ESP56016	SP5025	SPM5035	444744	444701	ESP56036	RDTK10	444747	444699
ESP63016	SP5050	SPM5035	444744	444702	ESP63036	RDTK20	444747	444700
ESP71016	SP5050	SPM5060	444744	444703	ESP71036	RDTK40	444747	444702
					ESP80036	RDTK40	444747	444702
					ESP100036	RD14	444748	444706
Single Phase - 8 Pole			Three Phase - 8 Pole					
ESP63018	SP5025	SPM5035	444744	444701	ESP63038	RDTK10	444747	444699
ESP71018	SP5025	SPM5035	444744	444702	ESP71038	RDTK20	444747	444700
					ESP80038	RDTK20	444747	444701
					ESP100038	RDTK70	444747	444703

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Accessories

Louvre Shutter		Impeller Discharge Side Guard	Imp. Disch. Guard when used with a LS shutter
Size	Stock Ref	Stock Ref	Stock Ref
250	LS250	10502325	10502375
315	LS315	10502325	10502375
355	LS350	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	-

Note: When speed control is required a 5 step auto transformer speed controller is recommended, to ensure low noise levels. All 3 Phase models are suitable for frequency inverter speed control.