

SCEPTRE PLATE MOUNTED AXIAL FANS PERFORMANCE GUIDE

2 POLE

m³/s at Pa

Dia.	Motor	Stock Ref. No.	r.p.m.	IP Rating	m ³ /h @													Motor kW	S.C. Amps	F.L.C. Amps	dBA @ 3m
					F.I.D.	0	25	50	75	100	125	150	200	250	300	350	400				
250	1 Phase	SMP250-12	2500	IP65	2160	0.60	0.57	0.54	0.51	0.48	0.44	0.38				0.25	4.8	1.2	60		
	3 Phase	SMP250-32	2500																		
315	1 Phase	SMP315-12	2500	IP65	3132	0.87	0.85	0.82	0.78	0.75	0.70	0.65	0.46	0.21	0.48	8.8	2.2	66			
	3 Phase	SMP315-32	2600																3265	0.90	0.88
355	1 Phase	SMP355-12	2000	IP65	3816	1.06	0.99	0.92	0.85	0.77	0.68	0.54	0.20				0.52	9.8	2.45	70	
	3 Phase	SMP355-32	2400											4212	1.17	1.13					1.09

4 POLE

250	1 Phase	SMP250-14	1330	IP55	1215	0.33	0.28								0.06	1.2	0.3	45							
	3 Phase	SMP250-34	1330																						
315	1 Phase	SMP315-14	1300	IP65	2340	0.65	0.58	0.49	0.36								0.10	2.4	0.6	49					
	3 Phase	SMP315-34	1300																						
355	1 Phase	SMP355-14	1225	IP65	3490	0.96	0.86	0.71	0.54								0.20	4.0	1.0	53					
	3 Phase	SMP355-34	1260																						
400	1 Phase	SMP400-14	1200	IP65	5060	1.40	1.33	1.22	1.06	0.88								0.34	6.4	1.6	57				
	3 Phase	SMP400-34	1350																						
450	1 Phase	SMP450-14	1290	IP65	6768	1.87	1.74	1.61	1.47	1.32	1.11								0.48	9.2	2.3	59			
	3 Phase	SMP450-34	1230																						
500	1 Phase	SMP500-14	1290	IP65	9198	2.55	2.42	2.27	2.10	1.92	1.73	1.48								0.65	12.0	3.0	63		
	3 Phase	SMP500-34	1350																						
560	1 Phase	SMP560-14S	1250	IP65	12477	3.46	3.33	3.15	2.95	2.75	2.54	2.32								1.10	24.4	6.1	67		
	3 Phase	SMP560-34	1320																						
630	1 Phase	SMP630-14	1200	IP65	17064	4.73	4.58	4.42	4.23	4.02	3.80	3.54	2.80								1.70	30.4	7.6	69	
	3 Phase	SMP630-34	1420																						
710	3 Phase	SMP710-34	1350	IP65	22150	6.15	5.92	5.7	5.48	5.22	4.95	4.61	3.35	1.91								2.20	24.0	4.0	72
	1 Phase	SMP800-34	1430												32598	9.05	8.85	8.61	8.40	8.19	7.96				
1000	3 Phase	SMP1000-34	1460	IP55	54000	15.00	14.6	14.23	13.82	13.40	12.98	12.50	11.50	10.35	9.05	7.50	5.50	2.40	7.20	72.0	12.0	87			

6 POLE

355	1 Phase	SMP355-16	800	IP65	2210	0.61	0.47								0.09	2.0	0.5	39						
	3 Phase	SMP355-36	875																					
400	1 Phase	SMP400-16	750	IP65	3400	0.94	0.80	0.55								0.11	2.4	0.6	44					
	3 Phase	SMP400-36	830																					
450	1 Phase	SMP450-16	835	IP65	4550	1.26	1.10	0.90								0.22	4.8	1.2	47					
	3 Phase	SMP450-36	835																					
500	1 Phase	SMP500-16	840	IP65	5817	1.61	1.40	1.16								0.29	6.4	1.6	50					
	3 Phase	SMP500-36	840																					
560	1 Phase	SMP560-16	900	IP65	7869	2.18	2.04	1.71	1.33								0.42	9.6	2.4	55				
	3 Phase	SMP560-36	900																					
630	1 Phase	SMP630-16	800	IP65	10749	2.98	2.81	2.52	2.06								0.51	10.4	2.6	56				
	3 Phase	SMP630-36	810																					
710	1 Phase	SMP710-16	900	IP65	16500	4.58	4.27	3.90	3.31	2.06	1.46								1.30	22.8	5.7	64		
	3 Phase	SMP710-36	920																					
800	3 Phase	SMP800-36	940	IP55	22000	6.11	5.68	5.27	4.83	4.33	3.55	2.32								1.22	15.0	2.5	71	
1000	3 Phase	SMP1000-36	950	IP55	36400	10.11	9.64	9.15	8.60	8.0	7.27	6.32	3.73								2.33	26.4	4.4	78

8 POLE

630	1 Phase	SMP630-18	585	IP65	8337	2.31	1.97	1.37								0.32	6.8	1.7	49			
	3 Phase	SMP630-38	635																			
710	1 Phase	SMP710-18	625	IP65	11952	3.32	2.85	1.95								0.48	9.6	2.4	57			
	3 Phase	SMP710-38	670																			
800	3 Phase	SMP800-38	690	IP55	17172	4.77	4.31	3.73	2.12								0.70	10.2	1.7	63		
1000	3 Phase	SMP1000-38	725	IP55	27039	7.51	6.96	6.28	5.35	4.00	2.10								1.10	16.2	2.7	72