

SCEPTRE SLIM CASE AXIAL FANS PERFORMANCE GUIDE

2 POLE

m³/s at Pa

Dia.	Motor	Stock		IP	m ³ /h											Motor			S.C.	F.L.C.	dBA @3m
		Ref. No.	r.p.m.		Rating	FID	0	25	50	75	100	125	150	200	250	300	350	400			
250	1 Phase	SMC250-12	2500	IP 65	2210	0.614	0.60	0.58	0.55	0.54	0.52	0.50				0.24	4.3	1.2	59		
	3 Phase	SMC250-32	2500	IP 65									0.24	3.0	0.5						
315	1 Phase	SMC315-12	2500	IP 65	3240	0.87	0.84	0.811	0.78	0.744	0.70	0.648	0.46	0.21				0.50	9.2	2.3	66
	3 Phase	SMC315-32	2600	IP 65											0.60	6.6	1.1				
355	1 Phase	SMC355-12	2000	IP 65	4248	1.06	0.985	0.915	0.847	0.77	0.68	0.54	0.202				0.55	10.4	2.6	70	
	3 Phase	SMC355-32	2400	IP 65										1.17	1.131	1.095	1.052	1.005	0.953		0.871

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250	1 Phase	SMC250-14	1330	IP 65	1250	0.347	0.301								0.06	1.2	0.3	45						
	3 Phase	SMC250-34	1330	IP 65				0.06	1.2	0.2														
315	1 Phase	SMC315-14	1300	IP 65	2340	0.65	0.571	0.496								0.10	2.4	0.6	49					
	3 Phase	SMC315-34	1300	IP 65					0.15	1.8	0.3													
355	1 Phase	SMC355-14	1225	IP 65	3470	0.964	0.893	0.813								0.20	4.0	1.0	53					
	3 Phase	SMC355-34	1260	IP 65					0.20	3.0	0.5													
400	1 Phase	SMC400-14	1200	IP 65	5112	1.416	1.33	1.22	1.084	0.94								0.34	6.4	1.6	57			
	3 Phase	SMC400-34	1360	IP 65							0.33	4.8	0.8											
450	1 Phase	SMC450-14	1370	IP 65	7092	1.972	1.874	1.782	1.7	1.61	1.482								0.62	10.8	2.7	57		
	3 Phase	SMC450-34	1400	IP 65								0.63	9.6	1.6										
500	1 Phase	SMC500-14	1300	IP 65	9720	2.697	2.61	2.525	2.44	2.35	2.245	2.12								0.80	14.0	3.5	61	
	3 Phase	SMC500-34	1340	IP 65									0.88	10.2	1.7									
560	1 Phase	SMC560-14	1340	IP 65	13788	3.827	3.755	3.674	3.559	3.46	3.305	3.125								1.68	30.8	7.7	65	
	3 Phase	SMC560-34	1370	IP 65									1.52	16.8	2.8									
630	1 Phase	SMC630-14	1280	IP 65	16020	4.472	4.365	4.26	4.150	4.045	3.92	3.79	3.35								1.80	33.6	8.4	66
	3 Phase	SMC630-34	1400	IP 65										18108	5.056	4.96	4.863	4.756	4.633	4.5	4.351	4.02	2.20	
710	3 Phase	SMC710-34	1450	IP 55	25500	7.083	6.96	6.815	6.69	6.537	6.4	6.24	5.91	5.51	4.94	3.35	2.48	3.20	32.0	5.4	69			
800	3 Phase	SMC800-34	1460	IP 55	43000	12	11.82	11.62	11.43	11.23	11.01	10.81	10.33	9.82	9.265	8.55	8.20	85.2	14.2	76				

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355	1 Phase	SMC355-16	800	IP 65	2220	0.617	0.51								0.09	2.0	0.5	39					
	3 Phase	SMC355-36	875	IP 65				0.09	1.8	0.3													
400	1 Phase	SMC400-16	750	IP 65	3250	0.90	0.77								0.11	2.4	0.6	44					
	3 Phase	SMC400-36	830	IP 65				0.11	1.8	0.3													
450	1 Phase	SMC450-16	890	IP 65	4608	1.275	1.119	0.932								0.24	4.8	1.2	55				
	3 Phase	SMC450-36	910	IP 65					0.20	3.0	0.5												
500	1 Phase	SMC500-16	890	IP 65	6120	1.694	1.591	1.395								0.31	6.8	1.7	58				
	3 Phase	SMC500-36	900	IP 65					0.27	3.5	0.6												
560	1 Phase	SMC560-16	900	IP 65	8712	2.411	2.269	2.08								0.55	11.2	2.8	61				
	3 Phase	SMC560-36	900	IP 65					0.47	6.0	1.0												
630	1 Phase	SMC630-16	930	IP 65	12996	3.611	3.45	3.25	3.01	2.70								0.98	21.6	5.4	64		
	3 Phase	SMC630-36	950	IP 65							0.86	16.8	2.8										
710	1 Phase	SMC710-16	840	IP 55	17750	4.944	4.771	4.562	4.30	3.945								1.30	26.0	6.5	68		
	3 Phase	SMC710-36	910	IP 55							1.30	18.0	3.0										
800	3 Phase	SMC800-36	960	IP 55	28400	7.833	7.64	7.405	7.14	6.87	6.60	6.285								2.70	31.8	5.3	72

S.C. = STARTING CURRENT
F.L.C. = FULL LOAD CURRENT