

# BLACK SABRE SLIM CASE SICKLE FANS PERFORMANCE GUIDE

## 4 POLE

m<sup>3</sup>/s at Pa

Dia	Motor	Stock		IP												Motor kW	SC Amps	FLC Amps	dBA @3m		
		Ref. No	r.p.m	Rating	0	25	50	75	100	125	150	175	200	225	250					300	350
315	1 phase	BSC315-14	1400	IP54	0.581	0.532	0.463	0.381	0.222	0.179	0.123	0.057						0.12	2.12	0.53	47
	3 phase	BSC315-34	1420	IP54	0.584	0.535	0.465	0.382	0.223	0.180	0.123	0.057						0.13	2.76	0.46	
355	1 phase	BSC355-14	1400	IP54	0.784	0.721	0.638	0.554	0.453	0.258	0.198	0.118						0.12	2.20	0.55	49
	3 phase	BSC355-34	1400	IP54	0.835	0.770	0.682	0.592	0.488	0.282	0.226	0.175	0.083					0.15	2.52	0.56	
400	1 phase	BSC400-14	1360	IP54	1.555	1.458	1.291	1.062	0.583	0.465	0.363							0.32	6.40	1.60	52
	3 phase	BSC400-34	1380	IP54	1.555	1.458	1.291	1.062	0.583	0.465	0.363							0.36	4.40	1.10	
450	1 phase	BSC450-14	1280	IP54	1.902	1.885	1.720	1.602	1.495	1.280	0.860	0.742	0.640	0.508	0.383	0.114		0.63	11.20	2.80	54
	3 phase	BSC450-34*	1340	IP54	1.976	1.891	1.781	1.667	1.514	1.326	0.890	0.748	0.642	0.508	0.382	0.113		0.59	7.80	1.30	
500	1 phase	BSC500-14	1350	IP54	2.667	2.576	2.463	2.301	2.140	1.945	1.682	1.271	1.087	0.915	0.766	0.469	0.229	0.85	15.20	3.80	59
	3 phase	BSC500-34*	1370	IP54	2.708	2.615	2.500	2.336	2.173	1.975	1.708	1.290	1.104	0.929	0.778	0.476	0.232	0.97	11.40	1.90	
560	1 phase	BSC560-14	1300	IP54	3.472	3.337	3.179	3.021	2.840	2.615	2.344	2.029	1.616	1.374	1.172	0.744	0.383	1.30	24.00	6.00	63
	3 phase	BSC560-34*	1340	IP54	3.579	3.440	3.277	3.114	2.928	2.696	2.417	2.092	1.666	1.417	1.208	0.767	0.395	1.40	15.00	2.50	
630	1 phase	BSC630-14	1325	IP54	3.982	3.843	3.657	3.449	3.218	2.963	2.699	2.440	2.176	1.782	1.551	1.180	0.925	1.30	22.80	5.70	67
	3 phase	BSC630-34*	1330	IP54	3.998	3.858	3.672	3.463	3.231	2.975	2.710	2.450	2.185	1.789	1.557	1.185	0.929	1.40	15.00	2.50	

## 6 POLE

450	3 phase	BSC450-36*	1050	IP54	1.570	1.480	1.374	1.261	1.114	0.724	0.553	0.388	0.219					0.23	3.42	0.57	46
500	3 phase	BSC500-36*	900	IP54	2.336	2.196	2.045	1.894	1.720	1.487	1.092	0.813	0.569	0.348	0.127			0.27	3.72	0.62	48
560	3 phase	BSC560-36*	860	IP54	3.091	2.928	2.777	2.580	2.370	2.138	1.859	1.371	1.022	0.743	0.464			0.45	5.40	0.90	54
630	3 phase	BSC630-36*	880	IP54	3.486	3.277	3.068	2.812	2.556	2.324	2.045	1.720	1.255	0.813	0.464			0.74	9.00	1.50	58
710	1 phase	BSC710-16	860	IP54	4.311	4.013	3.652	3.269	2.840	2.006	1.616	1.330	1.037	0.766	0.518			0.90	16.00	4.00	60
	3 phase	BSC710-36*	920	IP54	4.444	4.137	3.765	3.370	2.928	2.068	1.666	1.371	1.069	0.790	0.534			1.00	15.60	2.60	

## 8 POLE

710	3 phase	BSC710-38*	670	IP54	3.280	2.887	2.071	1.110	0.306	0.291								0.46	7.80	1.30	50
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S.C. = STARTING CURRENT  
F.L.C. = FULL LOAD CURRENT

**NOTE:** All \* models are supplied with 2 speed connection motors as standard. (Sizes 450-630 dia. are 4/6 pole, 710 are 6/8 pole).  
 DELTA Δ (HIGH SPEED)  
 STAR \* (LOW SPEED)

**ONLY SELECT THE FANS TYPED IN RED WHEN CONFIDENT OF YOUR SYSTEM RESISTANCE DATA.**

BLACK SABRE SLIM CASE SICKLE FANS (BSC)