

Plate Mounted Sickle Fans

Performance Guide & Electrical Data

Unit Code	Nom. RPM	Phase	Duty - m ³ /s @ Pa												Motor kW	Amps		dBA @3m
			0	25	50	75	100	125	150	175	200	225	250	300		350	FLC	

2 Pole

ESU200/2/1	2600	1	0.261	0.240	0.212	0.176	0.100											0.063	0.30	1.20	49
ESU250/2/1A	2650	1	0.450	0.420	0.382	0.343	0.300	0.239	0.135	0.086	0.046							0.12	0.55	2.20	54

4 Pole

ESU200/4/1	1370	1	0.131	0.083	0.028													0.03	0.21	1.00	33
ESU250/4/1A	1450	1	0.220	0.151	0.065	0.020												0.04	0.21	0.84	41
ESU315/4/1A	1400	1	0.581	0.532	0.463	0.381	0.222	0.179	0.123	0.057								0.12	0.53	2.12	46
ESU315/4/3A	1420	3	0.584	0.535	0.465	0.382	0.223	0.180	0.123	0.057								0.13	0.46	2.76	
ESU350/4/1A	1400	1	0.784	0.721	0.638	0.554	0.453	0.258	0.198	0.118								0.12	0.55	2.20	48
ESU350/4/3A	1400	3	0.835	0.770	0.682	0.592	0.488	0.282	0.226	0.175	0.083							0.15	0.42	2.52	
ESU400/4/1LA	1100	1	1.050	0.925	0.748	0.333	0.148											0.16	0.71	2.84	48
ESU400/4/3LA	1100	3	1.083	0.966	0.790	0.576	0.278	0.111										0.21	0.41	2.46	
ESU400/4/1HA	1360	1	1.555	1.458	1.291	1.062	0.583	0.465	0.363									0.32	1.80	6.4	51
ESU400/4/3HA	1380	3	1.555	1.458	1.291	1.062	0.583	0.465	0.360									0.36	0.80	2.4	
ESU450/4/1A	1280	1	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	2.8	11.20	54
ESU450/4/3A*	1340	3	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	1.3	7.80	
ESU500/4/1A	1350	1	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	3.8	15.20	59
ESU500/4/3A*	1370	3	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	1.9	11.40	
ESU560/4/1A	1300	1	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			1.3	6	24.00	65
ESU560/4/3A*	1340	3	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			1.4	2.5	15.00	
ESU630/4/1A	1325	1	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			1.3	5.7	22.80	68
ESU630/4/3A*	1330	3	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			1.4	2.5	15.00	

6 Pole

ESU450/6/1A	880	1	1.260	1.095	0.901	0.690	0.416	0.250										0.21	1	4.00	47
ESU450/6/3A*	1050	3	1.570	1.480	1.374	1.261	1.114	0.724	0.553	0.388	0.219							0.23	0.57	3.42	
ESU500/6/1A	870	1	1.722	1.527	1.236	0.694	0.486	0.280										0.31	1.3	5.20	51
ESU500/6/3A*	900	3	2.336	2.196	2.045	1.894	1.720	1.487	1.092	0.813	0.569	0.348	0.127					0.27	0.62	3.72	
ESU560/6/1A	820	1	2.311	2.070	1.777	1.083	0.695	0.362	0.202									0.41	1.8	7.20	57
ESU560/6/3A*	860	3	3.091	2.928	2.777	2.580	2.370	2.138	1.859	1.371	1.022	0.743	0.464					0.45	0.9	5.40	
ESU630/6/1A	830	1	3.055	2.820	2.361	1.666	1.095	0.580	0.325									0.7	3.1	12.40	61
ESU630/6/3A*	880	3	3.486	3.277	3.068	2.812	2.556	2.324	2.045	1.720	1.255	0.813	0.464					0.74	1.5	9.00	

FLC = Full Load Current SC = Starting Current

Note: All * models are supplied with 2 speed delta/star connection motors as standard. (Sizes 450 to 630 are 4/6 Pole)

Only select the Ultra fans in the shaded areas when confident of the accuracy of your system resistance data