

Short Case Sickle Fans

Performance Guide & Electrical Data

Unit Code	Nom. RPM	Phase	Duty - m ³ /s @ Pa										Motor			Amps dBA @3m				
			0	25	50	75	100	125	150	175	200	225	250	300	350		kW	FLC	SC	
4 Pole																				
EFU315/4/1B	1400	1	0.581	0.532	0.463	0.381	0.222	0.179	0.123	0.057							0.12	0.53	2.12	47
EFU315/4/3B	1420	3	0.584	0.535	0.465	0.382	0.223	0.180	0.123	0.057							0.13	0.46	2.76	
EFU350/4/1B	1400	1	0.784	0.721	0.638	0.554	0.453	0.258	0.198	0.118							0.12	0.55	2.20	49
EFU350/4/3B	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	
EFU400/4/1LB	1100	1	1.050	0.925	0.748	0.333	0.148										0.16	0.71	2.84	49
EFU400/4/3LB	1100	3	1.083	0.966	0.790	0.576	0.278	0.111									0.21	0.41	2.46	
EFU400/4/1HB	1360	1	1.555	1.458	1.291	1.062	0.583	0.465	0.363								0.32	1.60	6.4	52
EFU400/4/3HB	1380	3	1.555	1.458	1.291	1.062	0.583	0.465	0.363								0.36	0.80	2.4	
EFU450/4/1B	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
EFU450/4/3B*	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	
EFU500/4/1B	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
EFU500/4/3B*	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	
EFU560/4/1B	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	63
EFU560/4/3B*	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	
EFU630/4/1B	1325	3	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	67
EFU630/4/3B*	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

EFU450/6/3B*	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	46
EFU500/6/3B*	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	48
EFU560/6/3B*	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	54
EFU630/6/3B*	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	58

FLC = Full Load Current SC = Starting Current

Note: All * models are supplied with 2 speed delta/star connection motors as standard.

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

Sound Power Level Spectra dB (ref 10⁻¹² Watts)

Unit Code		MID OCTAVE BANDS								dBA @ 3m
		63	125	250	500	1K	2K	4K	8K	
4 Pole										
EFU315/4	Inlet	77	73	66	65	63	60	56	46	47
EFU315/4	Outlet									
EFU350/4	Inlet	78	73	61	64	65	63	58	50	49
EFU350/4	Outlet									
EFU400/4L	Inlet	78	70	69	64	66	62	55	45	49
EFU400/4L	Outlet									
EFU400/4H	Inlet	79	76	70	65	68	67	56	50	52
EFU400/4H	Outlet									
EFU450/4	Inlet	79	78	71	68	70	68	64	55	54
EFU450/4	Outlet									
EFU500/4	Inlet	80	79	76	72	75	75	68	61	59
EFU500/4	Outlet									
EFU560/4	Inlet	82	81	80	79	79	77	74	65	63
EFU560/4	Outlet									
EFU630/4	Inlet	83	85	82	83	84	80	79	66	67
EFU630/4	Outlet									
6 Pole										
EFU450/6	Inlet	76	69	64	63	62	55	45	47	46
EFU450/6	Outlet									
EFU500/6	Inlet	79	70	69	66	65	61	52	51	48
EFU500/6	Outlet									
EFU560/6	Inlet	80	71	75	73	70	66	55	57	54
EFU560/6	Outlet									
EFU630/6	Inlet	81	71	80	79	73	67	56	61	58
EFU630/6	Outlet									

Note: The above Sound Power Level Spectra is for B-Form Running Fans.

Published dBA figures, are free field sound levels at 3m, with spherical propagation at a reference level of 2 x 10⁻⁵ Pa. The sound power level spectra figure, are dB with reference of 10⁻¹² Watts.

To ensure minimum noise levels during speed control, an auto transformer speed controller is recommended.