

PERFORMANCE TABLE													
FAN MODEL	POWER HP	RPM	SONES @ 1/8"	CFM vs. STATIC PRESSURE							MAX. BHP	EST. UNIT WT. lbs.	EST. SHIP WT. lbs.
				.000"	.125"	.250"	.375"	.500"	.625"	.750"			
DCK24	1/4	772	11.8	5134	4214	2601					0.296	50	88
DCK24	1/3	855	13.3	5686	4916	3374	2407				0.417	54	92
DCK24	1/2	985	16.0	6550	5920	4983	3511	2766			0.638	58	96
DCK24	3/4	1123	19.6	7468	6915	6227	5070	3936	3276		0.935	63	101
DCK24	1	1237	22	8224	7724	7183	6424	5114	3649		1.246	71	109
DCK30	1/3	587	13.8	7897	6445	3698					0.430	66	112
DCK30	1/2	676	17.9	9095	7882	5783					0.639	70	116
DCK30	3/4	771	22	10373	9356	8005	5575				0.957	75	121
DCK30	1	849	25	11422	10499	9425	7746	5492			1.283	83	129
DCK30	1 1/2	958	31	12888	12070	11178	10077	8241	6261		1.839	91	137
DCK30	2	1054	38	14177	13436	12678	11775	10588	8674	6939	2.445	91	137
DCK36	3/4	550	15.8	12069	10291	7106					0.862	80	137
DCK36	1	606	18.9	13298	11830	9231					1.151	88	145
DCK36	1 1/2	684	23	15010	13709	11790	9097				1.655	96	153
DCK36	2	752	27	16502	15319	13806	11674	9356			2.202	96	153
DCK36	3	861	33	18890	17861	16827	15139	13205	10906		3.303	139	196
DCK42	1	471	15.9	16490	14094	9437					1.143	227	298
DCK42	1 1/2	532	19.4	18625	16599	13587	9234				1.639	235	306
DCK42	2	585	23	20481	18676	16481	11979				2.231	235	306
DCK42	3	670	29	23457	21881	20095	17705	13548			3.305	278	349
DCK42	5	794	40	27793	26468	25138	23499	21601	18249	15202	5.549	309	380
DCK48	1 1/2	426	20	21962	19259	13032					1.587	273	350
DCK48	2	470	22	24232	21945	17742	12450	22353			4.849	273	350
DCK48	3	537	24	27690	25687	22937	17361	13975			3.309	316	393
DCK48	5	637	31	32848	31160	29446	26698	22324	18158		5.440	347	424
DCK48	7 1/2	729	39	37597	36119	34639	32785	30384	26744	21987	8.168	469	546
DCK54	1 1/2	351	15.9	25755	21840	13448					1.529	350	447
DCK54	2	386	18.1	28326	24975	18272					2.016	350	447
DCK54	3	442	22	32438	29598	25785	17946				3.089	377	474
DCK54	5	524	28	38460	36064	33374	29528	22353			5.117	408	505
DCK54	7 1/2	600	36	44041	41949	39848	37104	33490	26831	22310	7.670	530	627
DCK54	10	661	42	48518	46621	44714	42587	39918	36260	30140	10.280	567	664
DCK60	2	325	15.8	33897	27938	19208					2.379	540	652
DCK60	3	372	18.7	38799	34801	25377					3.572	567	679
DCK60	5	440	24	45891	42661	36537	28819	25068			5.900	598	710
DCK60	7 1/2	505	29	52670	49856	46190	38637	32828	29428		8.934	720	832
DCK60	10	555	34	57874	55324	52764	47197	39983	35286	32429	11.845	757	869
DCK72	3	275	16.3	48303	42280	29270					3.252	624	866
DCK72	5	326	21	57269	53044	45102	33199				5.505	660	902
DCK72	7 1/2	373	26	65527	61838	56165	44612	37539			8.289	762	1004
DCK72	10	410	31	72034	68674	64530	57820	46443			10.656	819	1061

Performance certified is for Installation Type A - Free Inlet, Free Outlet. Power rating (BHP) does not include transmission losses. Performance ratings do not include the effects of appurtenances (accessories).

Brake horsepower capability of a fan motor is dependent on the degree of cooling the motor receives from the airstream moving over the motor. Motor loading beyond the motor nameplate rating does not overheat the motor and is within NEMA recommended limits. Therefore, it is not detrimental to motor and is economically desirable.

Model numbers shown are for Exhaust fans with standard direction of airflow (motor on intake side of propeller). For Supply fans with direction of airflow reversed (motor on discharge side of propeller) add a "-R" between the model and the model size (ex. DCK-R24).

The sound ratings shown are loudness values in spherical sones at 1.5 m (5 ft.) in a spherical free field calculated per Annex B of AMCA 311. Values shown are for: Installation Type A: free inlet spherical sone levels.

When a supply type fan is used, a center pivot damper type WAGCH is recommended.

**Your Representative is**

**ACME ENGINEERING & MANUFACTURING CORPORATION**

P.O. Box 978 | Muskogee, Oklahoma 74402 | Telephone 918/682-7791  
Fax 918/682-0134 | [www.acmefan.com](http://www.acmefan.com) | e-mail: [acmefan@acmefan.com](mailto:acmefan@acmefan.com)

**Member Air Movement and Control Association International, Inc.**