

# DAT Series Air Turnover Systems

## DAT Performance Tables

TABLE 3A: PERFORMANCE WITH PROPELLER FANS

Model No.	SCFM	Fan Quantity and Size	Fan HP		Heater Output, MBTUH			Temperature Rise, °F		
			No Filters	With Filters	Option 1	Option 2	Option 3	Option 1	Option 2	Option 3
<b>75</b>	8,000	2-24"	1/2	3/4	400	500	550	46	58	64
	10,000	2-24"	3/4	3/4	400	500	550	37	46	51
	12,000	2-24"	1	1	400	500	550	31	39	42
	14,000	2-24"	1	N/A	400	500	550	26	33	36
<b>100</b>	14,000	2-30"	3/4	1	650	750	—	43	50	—
	18,000	2-30"	1	1-1/2	650	750	—	33	39	—
	20,000	2-30"	1-1/2	1-1/2	650	750	—	30	35	—
	24,000	2-30"	2	3	650	750	—	25	29	—
	28,000	2-30"	3	3	650	750	—	21	25	—
<b>175</b>	20,000	2-36"	1	1-1/2	850	1000	—	39	46	—
	24,000	2-30"	1-1/2	2	850	1000	—	33	39	—
	30,000	2-30"	2	3	850	1000	—	26	31	—
	35,000	2-30"	3	3	850	1000	—	22	26	—
<b>250</b>	30,000	2-42"	1-1/2	2	1250	1500	1750	39	46	54
	35,000	2-42"	2	3	1250	1500	1750	33	40	46
	40,000	2-42"	3	3	1250	1500	1750	29	35	41
	45,000	2-42"	3	5	1250	1500	1750	26	31	36
	50,000	2-42"	5	5	1250	1500	1750	23	28	32
<b>300</b>	40,000	2-48"	2	3	2000	2500	—	46	58	—
	45,000	2-48"	3	5	2000	2500	—	41	51	—
	50,000	2-48"	3	5	2000	2500	—	37	46	—
	55,000	2-48"	3	5	2000	2500	—	34	42	—
	60,000	2-48"	5	7-1/2	2000	2500	—	31	39	—
	65,000	2-48"	5	7-1/2	2000	2500	—	28	36	—
	75,000	2-48"	7-1/2	N/A	2000	2500	—	25	31	—
<b>400</b>	50,000	2-54"	3	5	2500	2750	—	46	51	—
	60,000	2-54"	5	5	2500	2750	—	39	42	—
	70,000	2-54"	7-1/2	7-1/2	2500	2750	—	33	36	—
	80,000	2-54"	7-1/2	10	2500	2750	—	29	32	—
	85,000	2-54"	10	10	2500	2750	—	27	30	—
<b>600</b>	60,000	2-60"	3	5	3000	3500	4000	46	54	62
	70,000	2-60"	5	7-1/2	3000	3500	4000	40	46	53
	80,000	2-60"	7-1/2	7-1/2	3000	3500	4000	35	41	46
	90,000	2-60"	7-1/2	10	3000	3500	4000	31	36	41
	100,000	2-60"	10	10	3000	3500	4000	28	32	37
	110,000	2-60"	10	N/A	3000	3500	4000	25	29	34
<b>600S</b>	90,000	3-60"	3	5	5000	5500	6000	51	57	62
	100,000	3-60"	5	5	5000	5500	6000	46	51	56
	120,000	3-60"	7-1/2	7-1/2	5000	5500	6000	39	42	46
	140,000	3-60"	7-1/2	10	5000	5500	6000	33	36	40
	150,000	3-60"	10	10	5000	5500	6000	31	34	37

The quantity of motors is equivalent to the quantity of fans.

N/A = Not Available.