

DIRECT GAS FIRED AIR REPLACEMENT UNITS

Forward Curved Fan Chart 2 - Table 3

Total External Static Pressure In Inches of Water Column

MODEL	CFM Std. Air	Outlet Velocity FPM	.50" SP		.75" SP		1.00" SP		1.25" SP		1.50" SP		1.75" SP		2.00" SP	
			RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
127	20000	2478	433	8.3	469	9.4	494	10.3	521	11.2	545	12.0	575	13.3	600	13.9
	22000	2726	451	10.0	481	11.4	510	12.2	535	13.3	556	14.4	589	15.6	611	16.3
	24000	2973	471	12.4	500	13.4	524	14.5	549	15.5	576	16.7	607	17.8	624	18.8
	26000	3222	496	14.9	522	16.1	546	17.1	570	18.3	594	19.7	616	20.7	636	21.9
	28000	3470	516	17.7	540	19.0	565	20.5	592	21.6	625	22.6	637	24.1	657	25.6
130	22000	2366	372	8.4	400	9.4	425	10.4	453	11.6	481	12.9	507	14.1	533	15.5
	24000	2581	379	9.9	410	10.9	430	12.2	460	13.6	483	14.7	511	16.0	538	17.2
	26000	2796	389	11.8	416	12.9	443	14.2	467	15.1	494	16.6	516	17.4	541	19.2
	28000	3010	404	13.7	433	15.0	454	16.4	479	17.8	504	17.8	525	20.5	549	22.0
	30000	3226	421	16.4	443	17.6	470	19.4	488	20.5	512	20.7	534	23.4	557	24.9
	32000	3440	431	19.0	452	20.5	479	22.0	500	23.2	522	24.8	544	26.2	567	27.9
133	26000	2488	376	10.9	401	12.3	425	13.7	449	15.2	472	16.7	495	18.4	516	19.9
	28000	2679	389	12.8	412	14.1	435	15.6	458	17.2	480	18.7	502	20.4	522	22.1
	30000	2870	403	14.9	425	16.3	447	17.8	468	19.3	489	20.9	510	22.7	530	24.4
	32000	3076	418	17.2	439	18.7	460	20.0	479	21.7	500	23.5	420	25.3	539	27.1
	34000	3253	433	19.8	452	21.2	472	22.8	492	24.6	511	26.3	529	27.9	548	29.8
	36000	3444	448	22.6	467	24.2	486	25.9	504	27.5	523	29.4	541	31.2	558	33.1
136	30000	2362	337	10.8	361	12.2	385	13.8	408	15.4	431	17.2	453	18.9	474	20.4
	32000	2520	346	12.3	369	13.7	392	15.3	414	17.0	436	18.8	457	20.6	478	22.5
	34000	2677	355	13.9	377	15.4	399	17.0	420	18.7	441	20.5	461	22.3	481	24.2
	36000	2835	369	16.0	390	17.6	411	19.2	431	20.9	451	22.8	470	24.6	490	26.7
	38000	2992	375	17.7	395	19.3	416	21.1	435	22.7	454	24.5	473	26.4	492	28.5
	40000	3150	387	20.0	406	21.7	425	23.3	444	25.1	463	27.0	481	28.9	499	31.0
	45000	3543	415	26.3	432	28.1	450	30.1	467	32.0	484	33.9	501	35.9	517	37.9
140	36000	2368	313	13.1	336	14.9	356	16.6	378	18.6	399	20.7	419	22.8	437	24.3
	38000	2500	320	14.7	342	16.5	363	18.4	382	20.2	402	22.2	422	24.5	441	26.6
	40000	2631	328	16.4	348	18.1	368	19.9	388	22.0	407	24.1	428	26.3	444	28.5
	45000	2960	348	21.3	366	23.1	385	25.1	402	26.9	420	29.2	438	31.6	454	33.7
	50000	3289	370	27.0	387	29.2	403	31.2	420	33.4	437	35.8	452	37.8	468	40.2
144	45000	2456	299	17.8	319	19.8	338	21.9	356	24.1	374	26.5	392	29.0	410	31.7
	50000	2729	315	22.4	333	24.5	350	26.5	368	29.0	384	31.3	400	33.8	417	36.6
	55000	3002	331	27.5	347	29.7	363	32.0	380	33.6	396	37.1	411	39.6	426	42.2
	60000	3275	349	33.7	364	36.2	381	39.0	394	41.2	409	43.9	423	46.3	438	49.3
	65000	3548	368	41.0	382	43.6	395	46.0	410	49.2	423	51.6	437	54.5	447	56.7
148	50000	2227	247	17.4	267	19.6	284	22.0	303	25.1	321	28.1	330	30.6	341	35.7
	55000	2449	256	20.3	275	23.9	291	25.2	309	28.0	324	31.5	341	34.5	353	37.4
	60000	2672	267	25.0	284	27.1	300	29.5	316	33.1	331	35.8	345	39.4	362	43.0
	65000	2895	277	26.4	294	29.3	309	35.7	324	38.7	338	41.3	353	44.3	365	47.7
	70000	3118	289	34.1	303	35.0	317	40.0	331	42.7	345	45.7	359	50.3	371	54.3
	75000	3340	302	40.2	314	43.5	327	46.3	340	49.5	354	53.1	367	56.3	381	58.9

Notes:

1. The capacities shown include the internal resistance of the basic burner/fan unit. Resistance of ductwork, inlet cowls, filter boxes, dampers, etc. must be calculated and totalled to determine the total external static pressure.
2. For higher external static pressures consult head office.
3. Performance is based on standard air (density .075 lb. per cubic foot, 70° F, 29.92" hg. bar). Horsepower data includes drive losses.