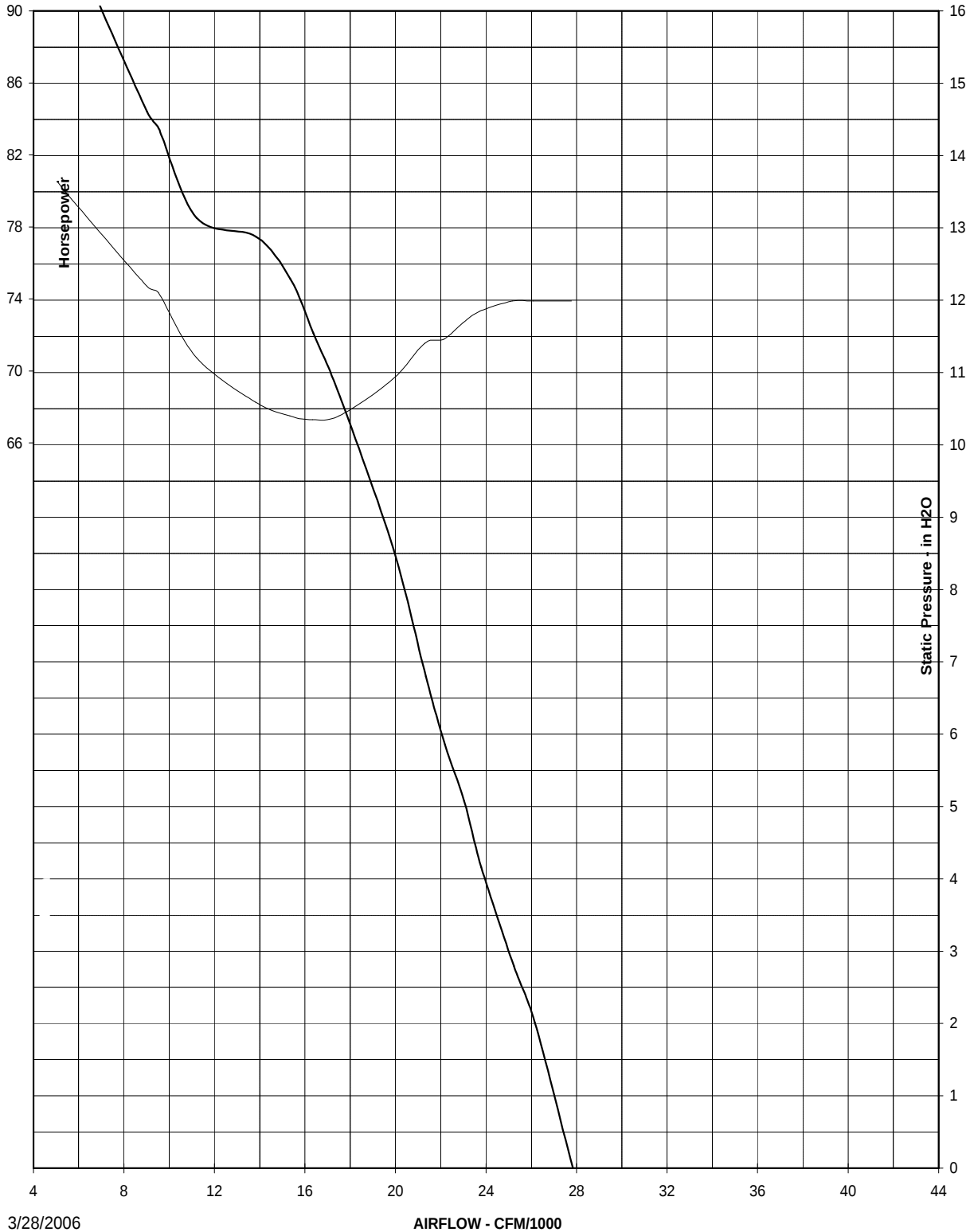




Horton Fan Systems
201 W. Carmel Drive
Carmel, IN 46032
(317)249-4001

Airflow Performance Comparison Curves

Test No.	Blades (No.)	Dia. (in)	Speed (R.P.M.)	Air ρ (lb/ft ³)	Horton P/N	Customer P/N	Shroud Dia.	Type	Fan Imm.
P9826	9	26.0	3360	0.075	MS9	-	26.5	CUSTOMER	72%



3/28/2006

AIRFLOW - CFM/1000

P-9826		26 in	HFS # MS9		3360 RP	1	0.075 lb/ft3		70
PT#	ϕ	ψ	λ	Seff	Teff	CFM	Ps	Hp	dBA
1	.330	.000	1.71	.00	21.09	27840	0.00	73.88	
2	.310	.062	1.71	11.23	28.71	26153	2.02	73.88	
3	.299	.086	1.71	15.02	30.71	25225	2.80	73.88	
4	.282	.128	1.70	21.25	34.51	23791	4.16	73.32	
5	.273	.156	1.69	25.30	37.44	23032	5.07	72.67	
6	.263	.180	1.67	28.47	39.46	22188	5.85	71.77	
7	.253	.209	1.66	31.90	41.71	21344	6.80	71.55	
8	.236	.263	1.61	38.54	46.73	19910	8.55	69.53	
9	.208	.328	1.57	43.63	49.41	17548	10.67	67.50	
10	.194	.355	1.56	44.18	48.89	16367	11.55	67.29	
11	.182	.378	1.57	44.00	47.87	15354	12.29	67.50	
12	.164	.396	1.58	41.06	43.86	13836	12.88	68.28	
13	.133	.404	1.64	32.79	34.23	11221	13.14	70.73	
14	.113	.442	1.73	29.00	29.84	9533	14.37	74.35	
15	.107	.449	1.73	27.76	28.47	9027	14.60	74.70	
16	.064	.528	1.86	18.24	18.39	5399	17.17	79.96	
17	.060	.540	1.87	17.37	17.49	5062	17.56	80.52	