

Impeller Diameter = 36.38 inches 924 mm

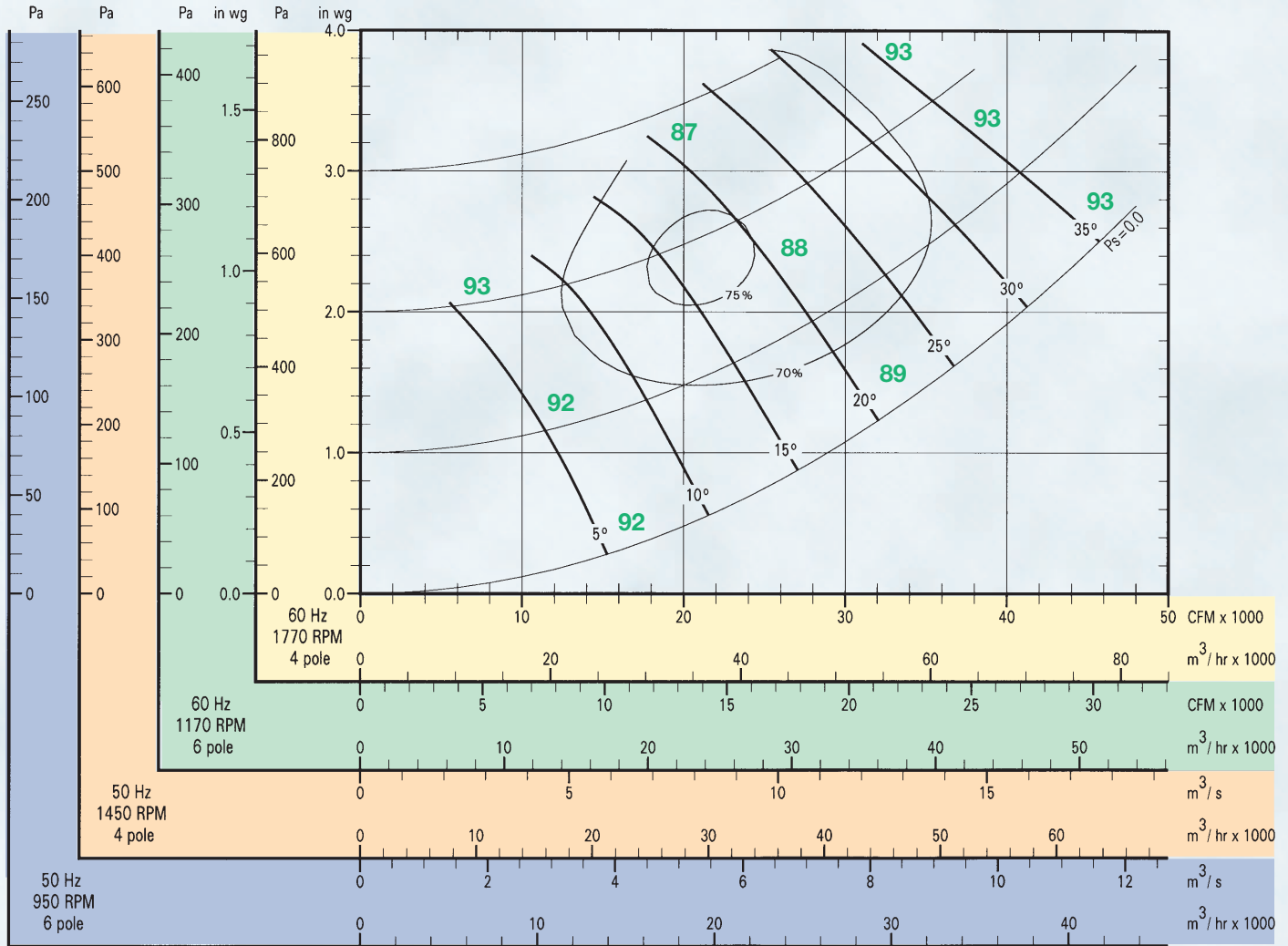
Outlet Velocity Ft/Min = Volume / 7.22

M/S = Volume / 0.67

Tip Speed Ft/Min = RPM X 9.52

M/S = RPM X 2.90

Total Pressure



Air density = 1.2 kg/m³
Air density = 0.075 lbs/ft³

Volume

Peak Absorbed Power [bHP/kw (60 Hz), kw (50 Hz)]

RPM	Pitch Angle °						
	5	10	15	20	25	30	35
1770 (bHP/kw)	3.76/2.81	6.26/4.67	9.39/7.00	13.1/9.78	17.5/13.0	22.6/16.9	28.7/21.4
1170 (bHP/kw)	1.09/0.81	1.81/1.35	2.71/2.02	3.78/2.82	5.04/3.76	6.53/4.87	8.28/6.18
1450 (kw)	1.54	2.57	3.85	5.37	7.16	9.27	11.8
950 (kw)	0.43	0.72	1.08	1.51	2.01	2.61	3.31

Sound Power A-Weighted [LwA] Sound Pressure [dBA]

RPM	Inlet Sound	
	LwA	dBA
1770	+11	-0.5
1170	-	-11.5
1450	+5	-6.5
950	-5	-16.5

Performance shown is for installation type B; free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances in the airstream. The AMCA Certified Ratings Seal applies to air performance ratings only.

Sound power level ratings are shown in decibels, referred to 10-12 watts calculated per AMCA Standard 301. Values shown are for inlet LwA sound power levels for 100%, 50% and 0% of peak pressure in Installation Type B: free inlet, ducted outlet. dBA sound pressure values are weighted with 11.5 dB attenuation for each octave band at 5 feet.

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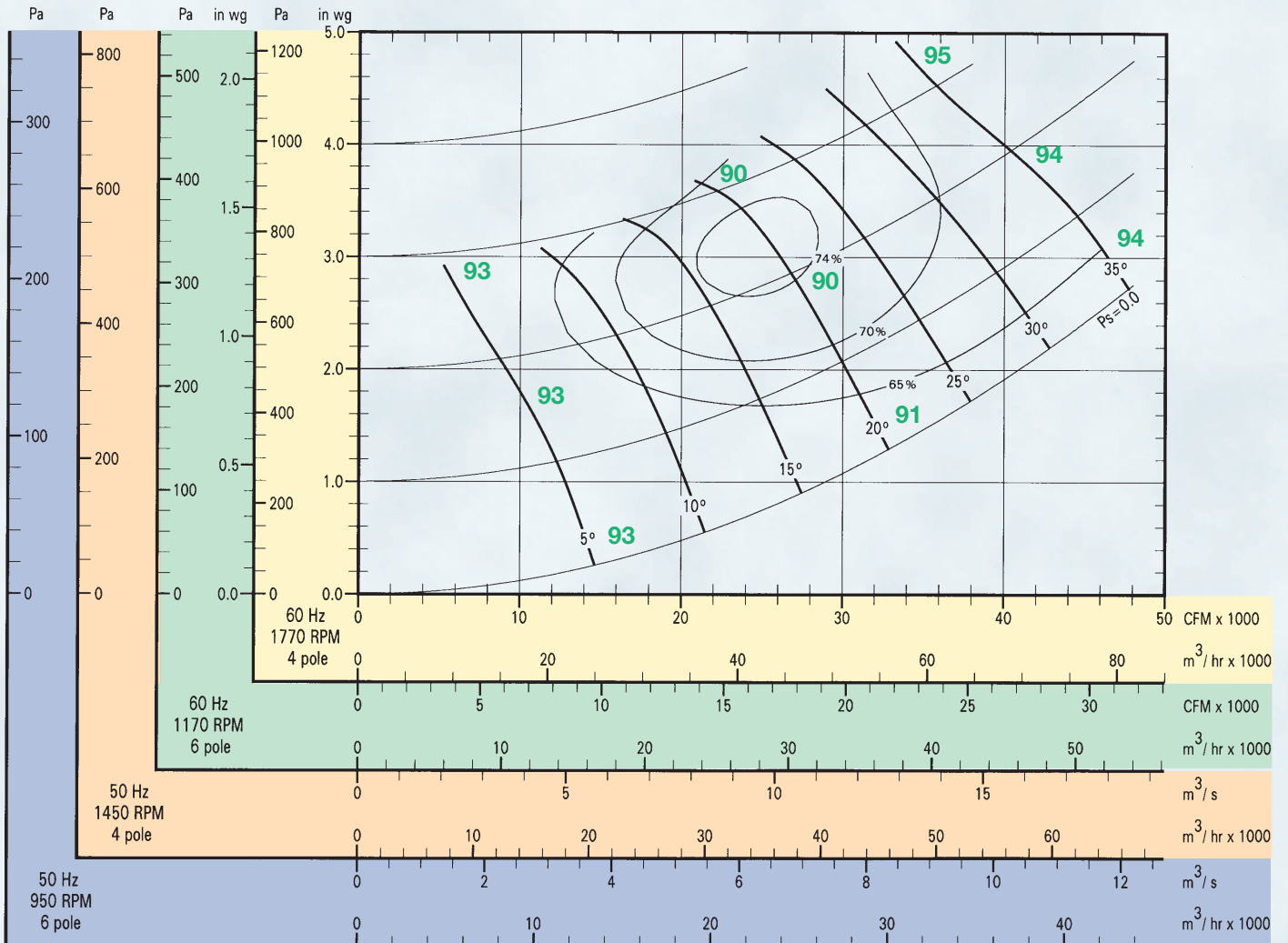
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Total Pressure



Air density = 1.2 kg/m³
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Volume

Peak Absorbed Power [bHP/kw (60 Hz), kw (50 Hz)]

RPM	Pitch Angle °							
	5	10	15	20	25	30	35	
1770 (bHP/kw)	5.03/3.75	8.89/6.63	13.0/9.66	17.4/13.0	22.6/16.9	29.1/21.7	37.2/27.8	
1170 (bHP/kw)	1.45/1.08	2.57/1.92	3.74/2.79	5.02/3.75	6.53/4.87	8.41/6.27	10.8/8.02	
1450 (kw)	2.06	3.65	5.31	7.13	9.28	11.9	15.3	
950 (kw)	0.58	1.03	1.49	2.01	2.61	3.36	4.29	

Sound Power A-Weighted [LwA] Sound Pressure [dBA]

RPM	Inlet Sound	
	LwA	dBA
1770	+11	-0.5
1170	-	-11.5
1450	+5	-6.5
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AX 90-400 6 Blades



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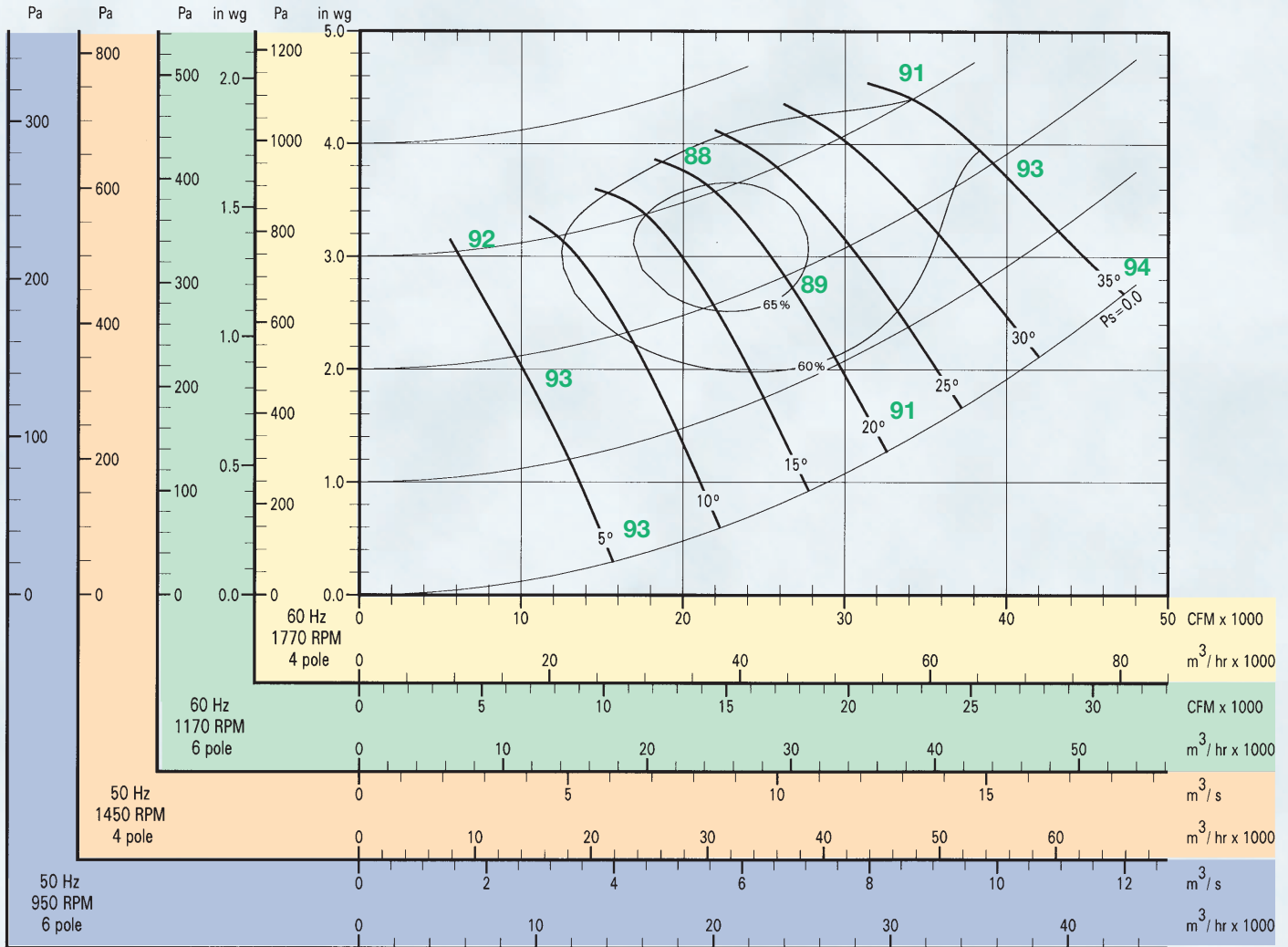
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Total Pressure



Air density = 1.2 kg/m³
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Volume

Peak Absorbed Power [bHP/kw (60 Hz), kw (50 Hz)]

RPM	Pitch Angle °						
	5	10	15	20	25	30	35
1770 (bHP/kw)	6.36/4.75	10.4/7.72	14.4/10.8	18.9/14.1	24.2/18.1	30.9/23.1	39.7/29.6
1170 (bHP/kw)	1.84/1.37	2.99/2.23	4.17/3.11	5.46/4.07	6.99/5.22	8.93/6.66	11.5/8.55
1450 (kw)	2.61	4.25	5.92	7.75	9.93	12.7	16.3
950 (kw)	0.73	1.19	1.66	2.18	2.79	3.57	4.58

Sound Power A-Weighted [LwA] Sound Pressure [dBA]

RPM	Inlet Sound	
	LwA	dBA
1770	+11	-0.5
1170	-	-11.5
1450	+5	-6.5
950	-6	-17.5

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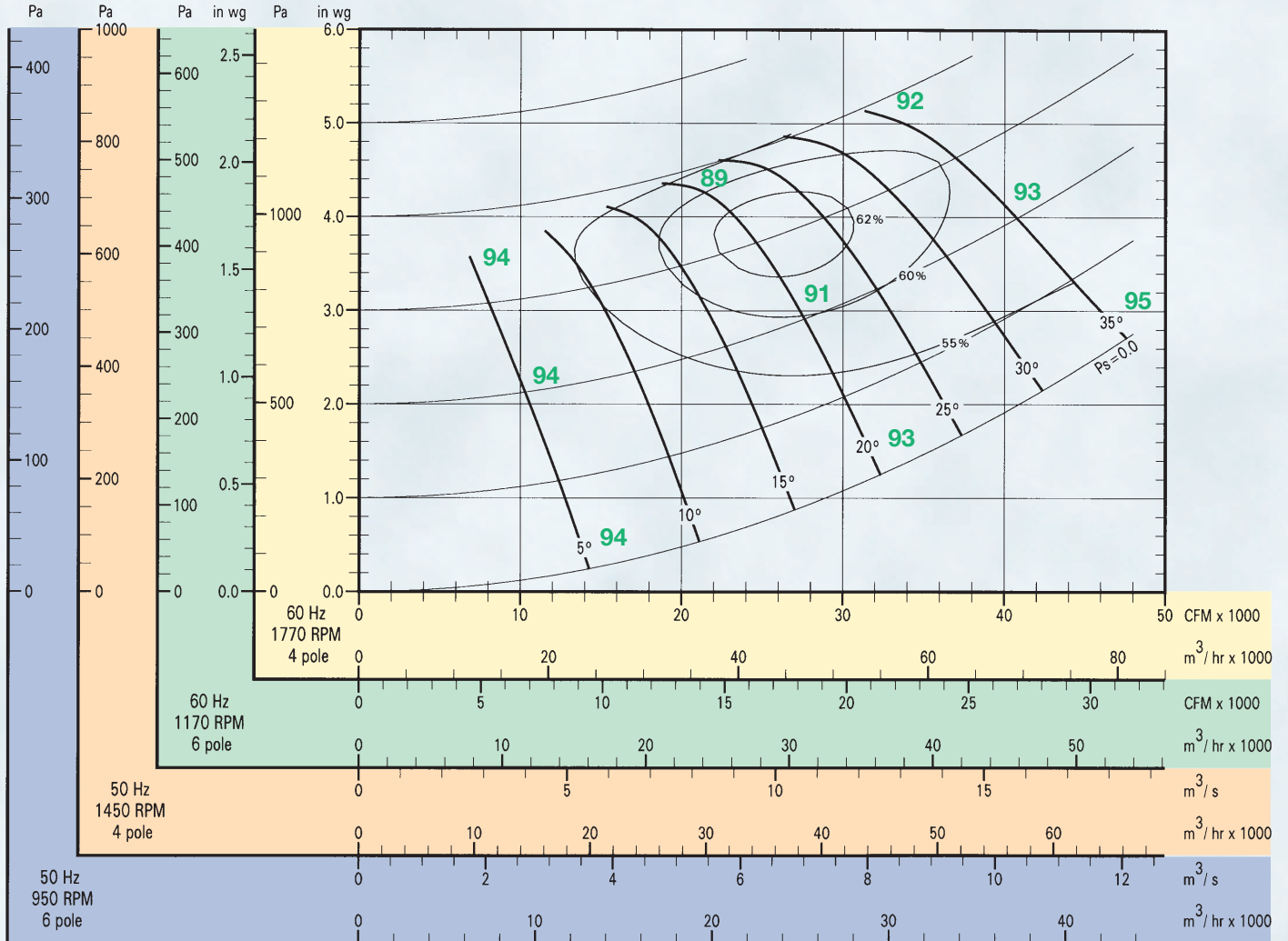
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Volume

Peak Absorbed Power [bHP/kw (60 Hz), kw (50 Hz)]

RPM	Pitch Angle °						
	5	10	15	20	25	30	35
1770 (bHP/kw)	8.31/6.20	13.5/10.0	18.6/13.8	23.9/17.9	30.0/22.3	36.9/27.6	45.3/33.8
1170 (bHP/kw)	2.40/1.79	3.89/2.90	5.36/4.00	6.91/5.16	8.65/6.45	10.7/7.96	13.1/9.75
1450 (kw)	3.41	5.52	7.61	9.82	12.3	15.2	18.6
950 (kw)	0.96	1.55	2.14	2.76	3.45	4.26	5.22

Sound Power A-Weighted [LwA] Sound Pressure [dBA]

RPM	Inlet Sound	
	LwA	dBA
1770	+10	-1.5
1170	-	-11.5
1450	+5	-6.5
950	-6	-17.5

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