



PLASTICAIR FAN PERFORMANCE

March 31, 2005

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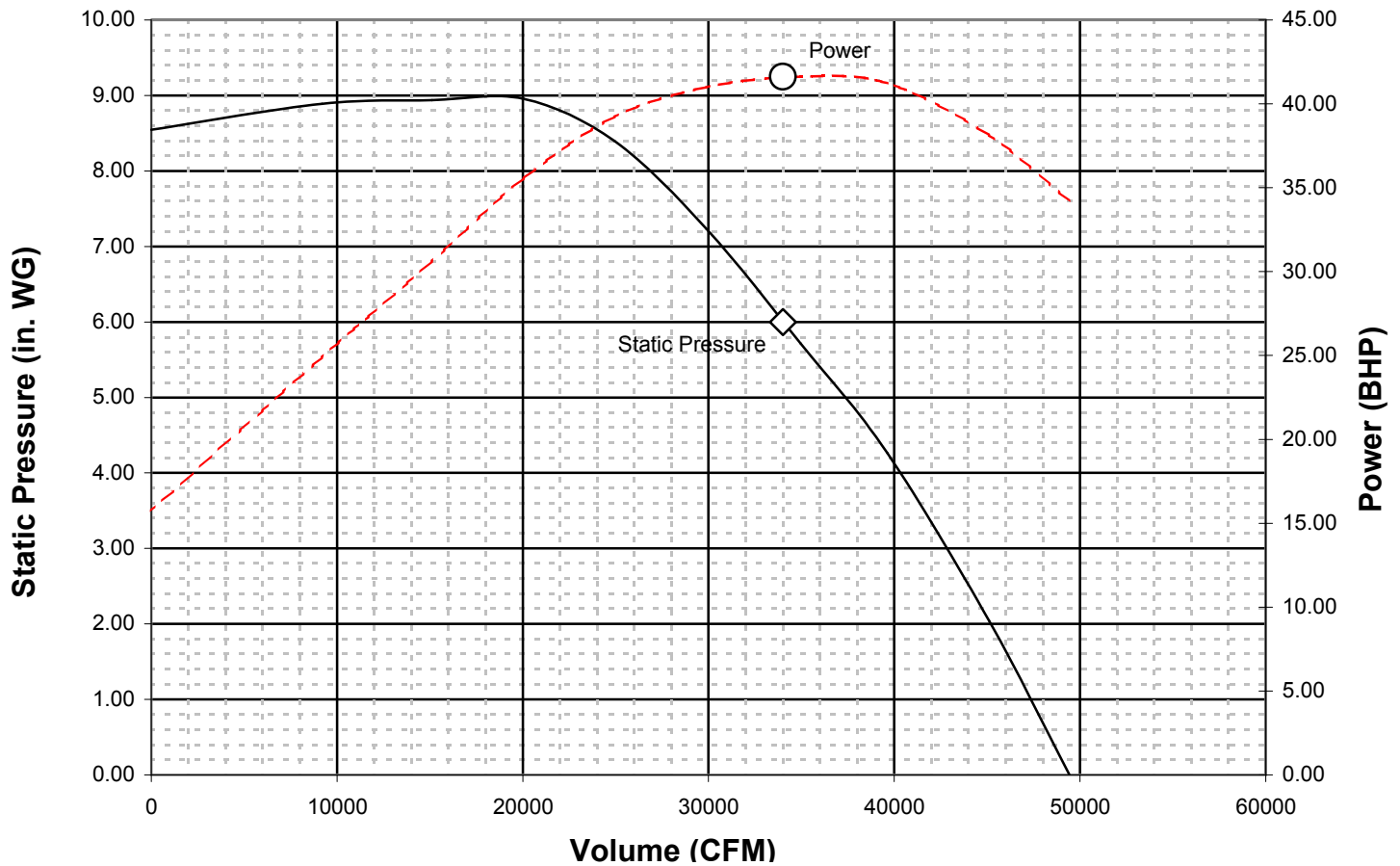
Customer : **AAA Labs**

Fan Tag : **EF-55**

Rep : **Plasticair Inc.**

Fan Model **40 GIF**

Job ID **Bio Science Lab**



CFM 34000 RPM 1226 Static Pressure : 6 BHP 41.61

Sound Data :

Octave Band Center Frequency (Hz)	63	125	250	500	1K	2K	4K	8K
Inlet Sound Power Levels (dB)	99.21	99.81	101.05	95.47	91.44	87.07	81.45	77.45
Sound Pressure levels at 5 Feet (A-weighted) *	62.25	72.85	81.09	81.01	79.98	76.61	70.99	64.99

Total A-weighted Sound Pressure 5 Feet from Fan (dBA) *
86.40

Other Performance Data :

Tip Speed : 12921
 Fan Class : Class 2
 Efficiency (Mech) : 88%
 Efficiency (Static) 77%
 Airstream Temp Change **: 2.83 °C
 Wheel Width (%) 100
 Outlet Velocity (ft/sec) : 3664

Surrounding Conditions :

Temperature °F : 70
 Altitude (ft) : 0
 Density (lb/ft³) : 0.075

* The environment for the fan installation effects the measured sound values, therefore the dBA levels cannot be guaranteed. A fans dBA is influenced by nearby sound reflecting surfaces. Please consult AMCA publication 303 for more information.

** The airstream temperature change result is a calculated estimation and should not be used for design purposes.

*** The Sound Pressure Levels are based on a fan installation next to one reflective surface only.