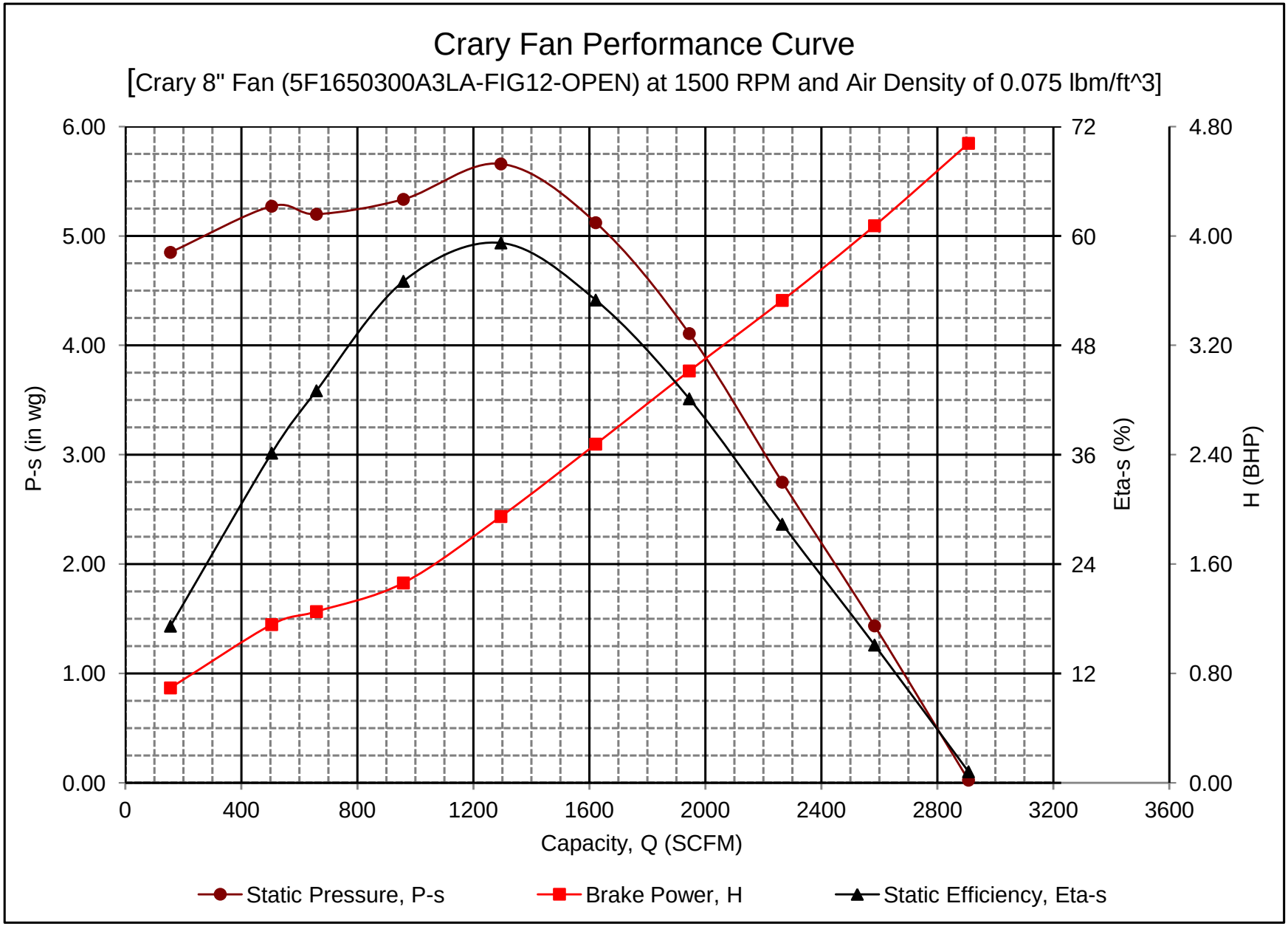
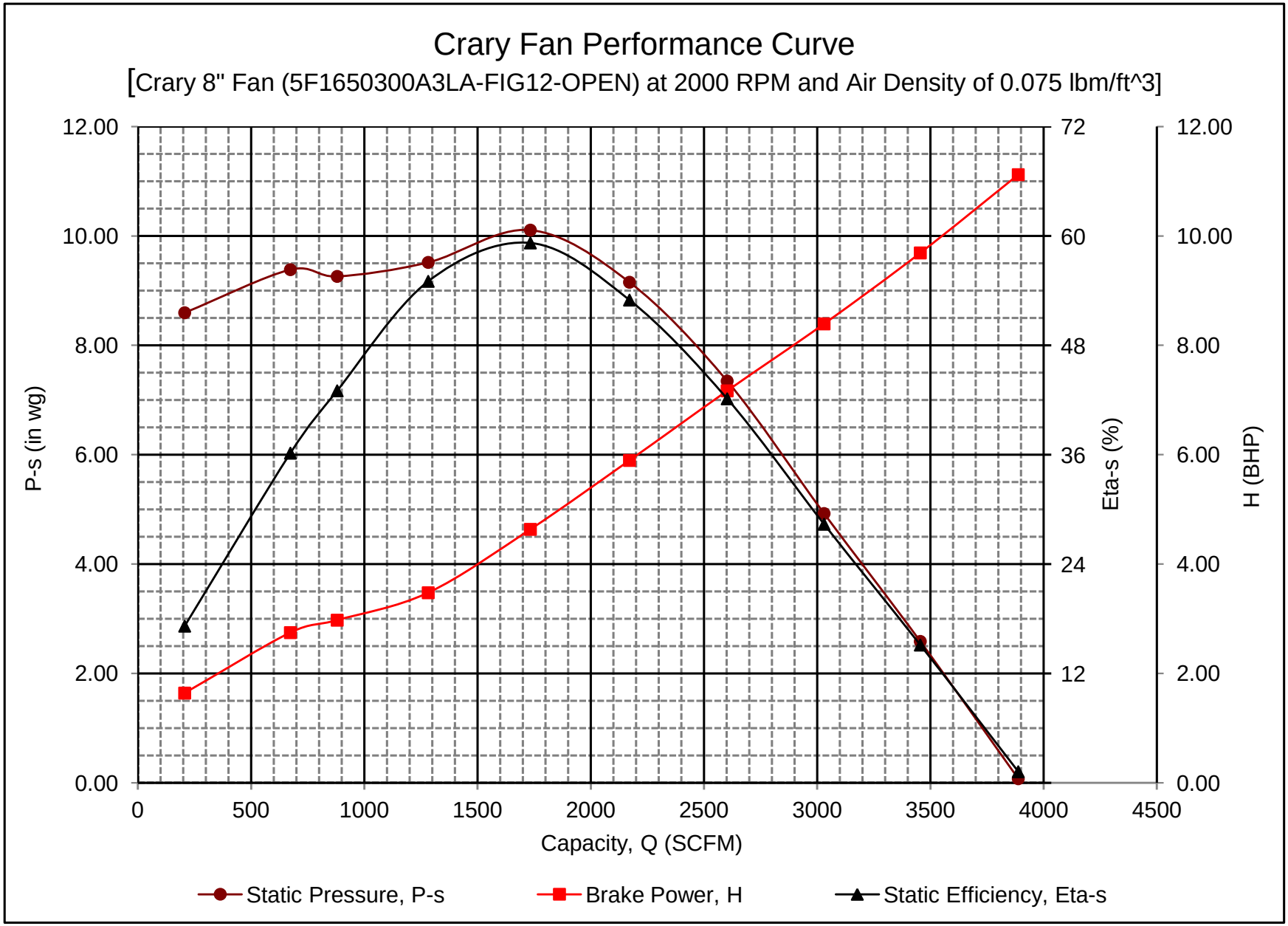
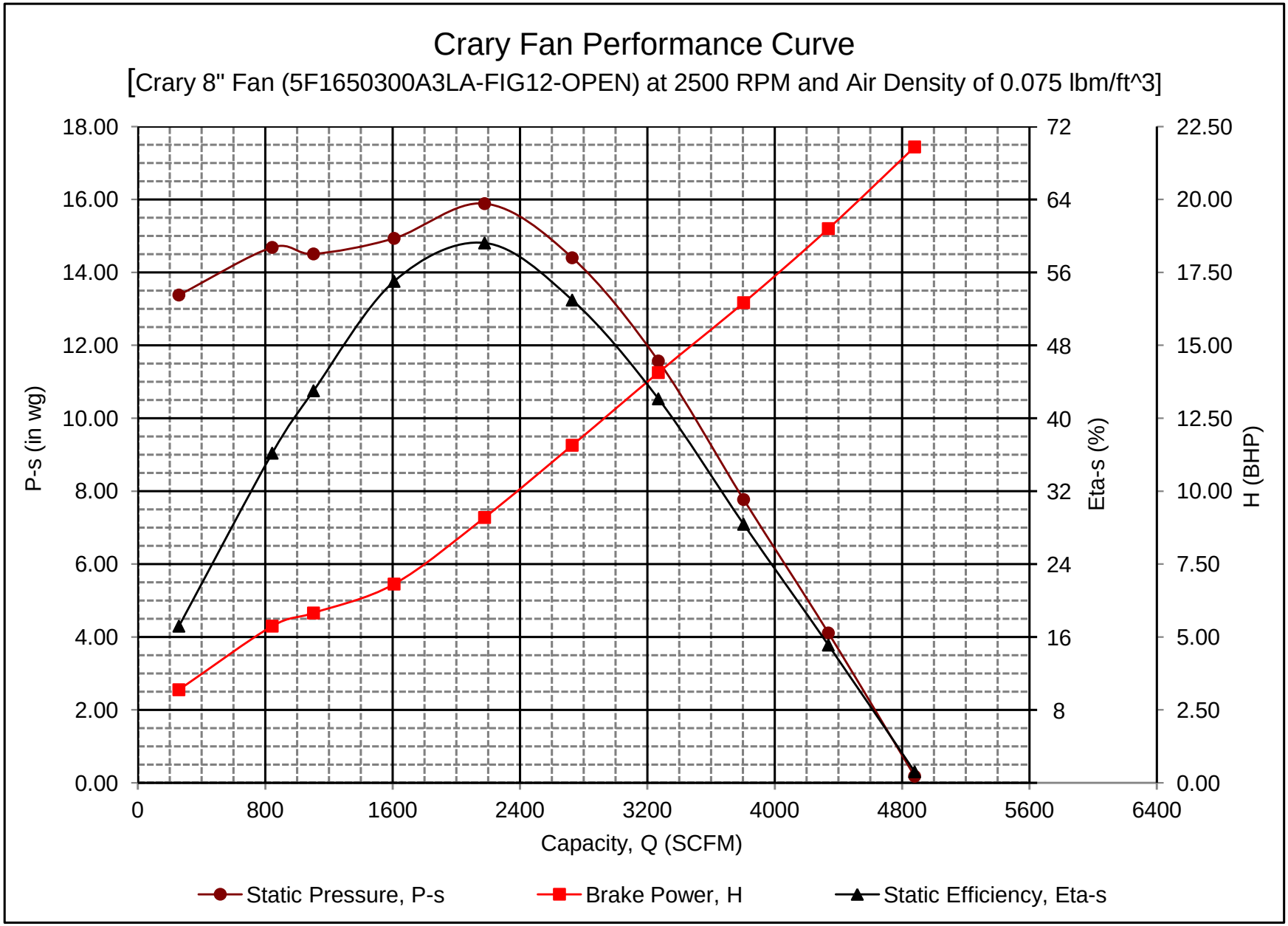
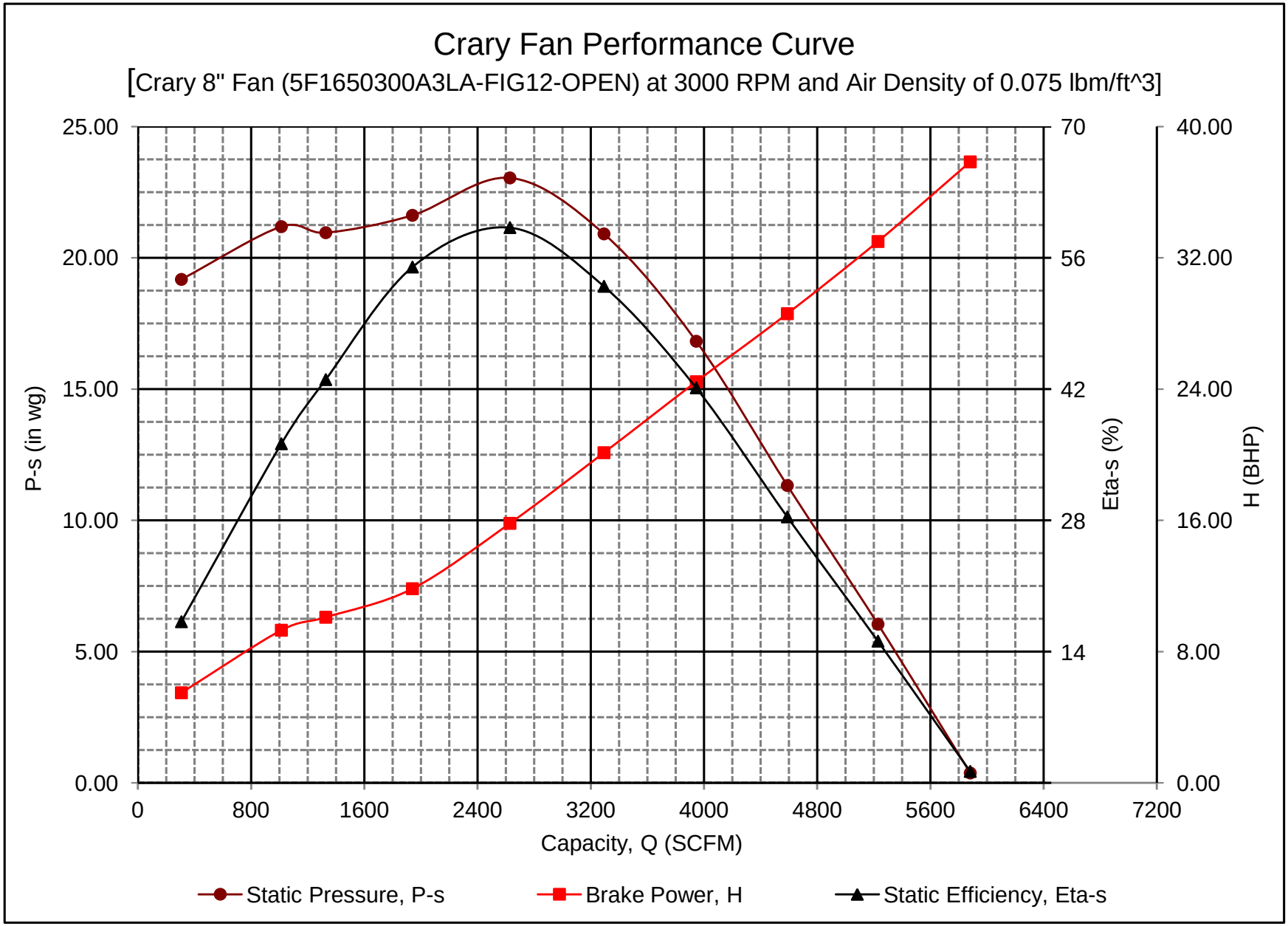
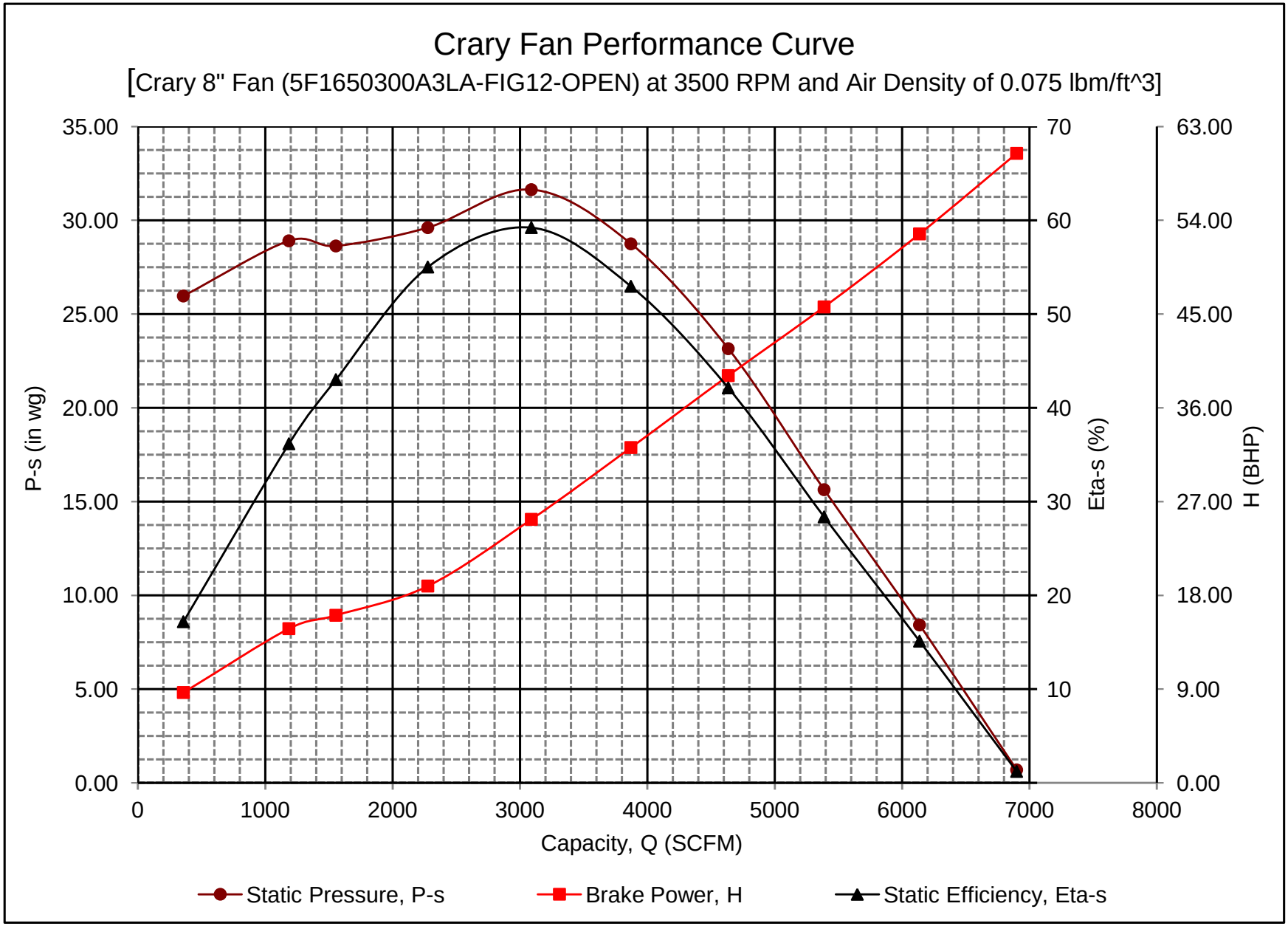
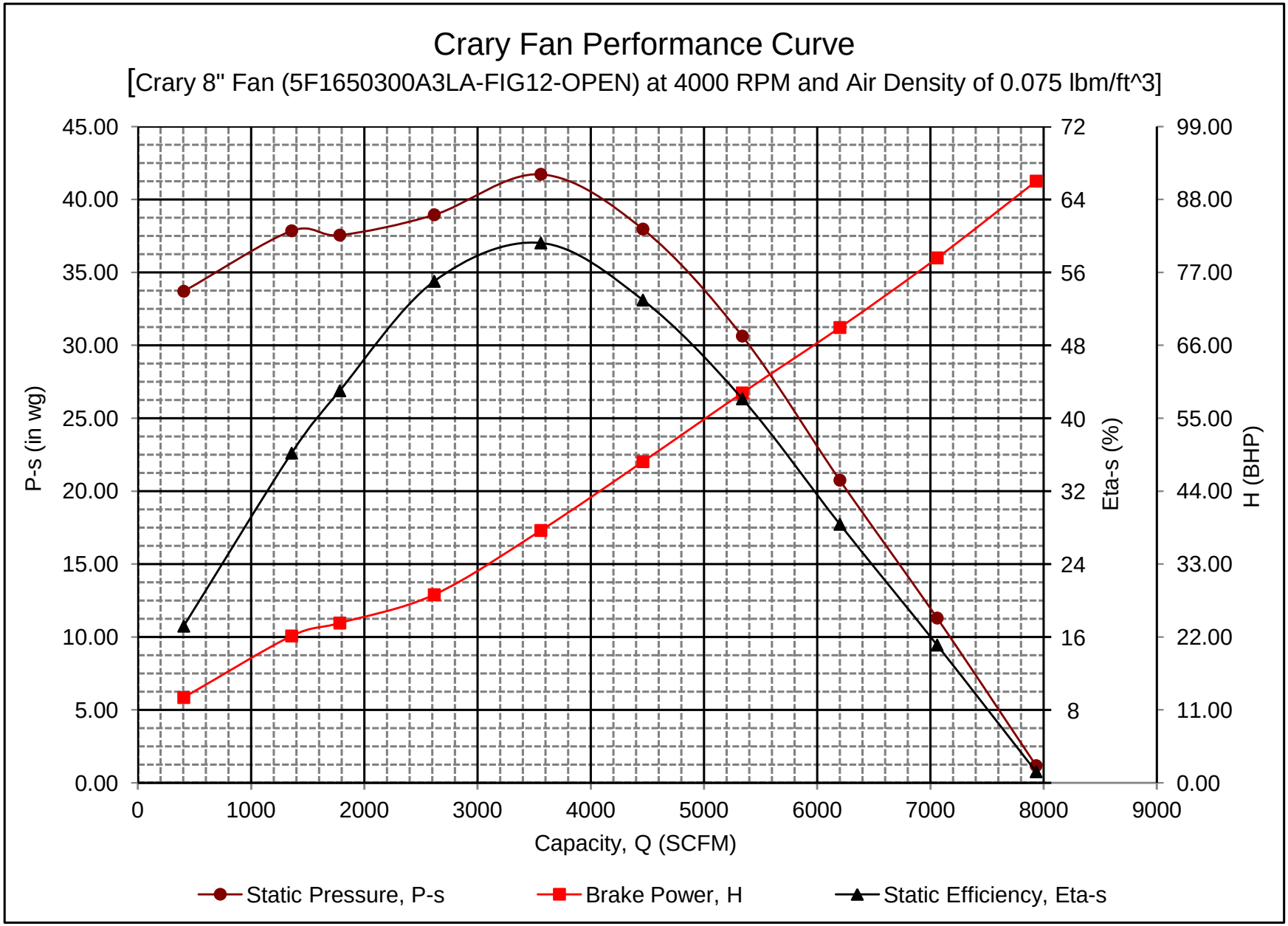

Crary Fan Performance Curve
[Crary 8" Fan (5F1650300A3LA-FIG12-OPEN) at 1500 RPM and Air Density of 0.075 lbm/ft^3]
P-s (in wg)
Eta-s (%)
H (BHP)
Capacity, Q (SCFM)
6.00
5.00
4.00
3.00
2.00
1.00
0.00
72
60
48
36
24
12
0.00
4.80
4.00
3.20
2.40
1.60
0.80
0.00
0
400
800
1200
1600
2000
2400
2800
3200
3600
Static Pressure, P-s
Brake Power, H
Static Efficiency, Eta-s

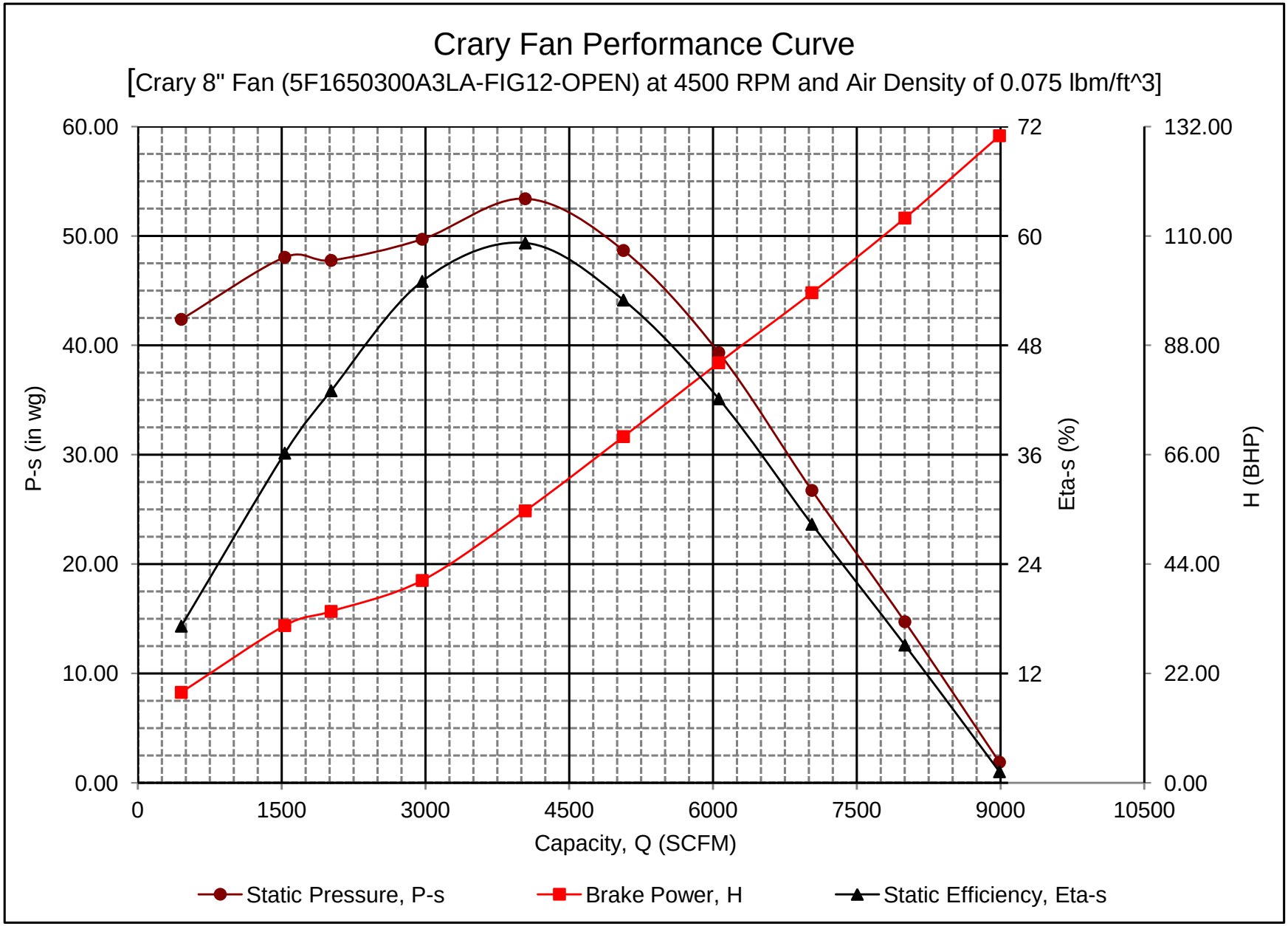

Crary Fan Performance Curve
[Crary 8" Fan (5F1650300A3LA-FIG12-OPEN) at 2000 RPM and Air Density of 0.075 lbm/ft^3]
P-s (in wg)
Eta-s (%)
H (BHP)
Capacity, Q (SCFM)
12.00
10.00
8.00
6.00
4.00
2.00
0.00
72
60
48
36
24
12
0
500
1000
1500
2000
2500
3000
3500
4000
4500
Static Pressure, P-s
Brake Power, H
Static Efficiency, Eta-s

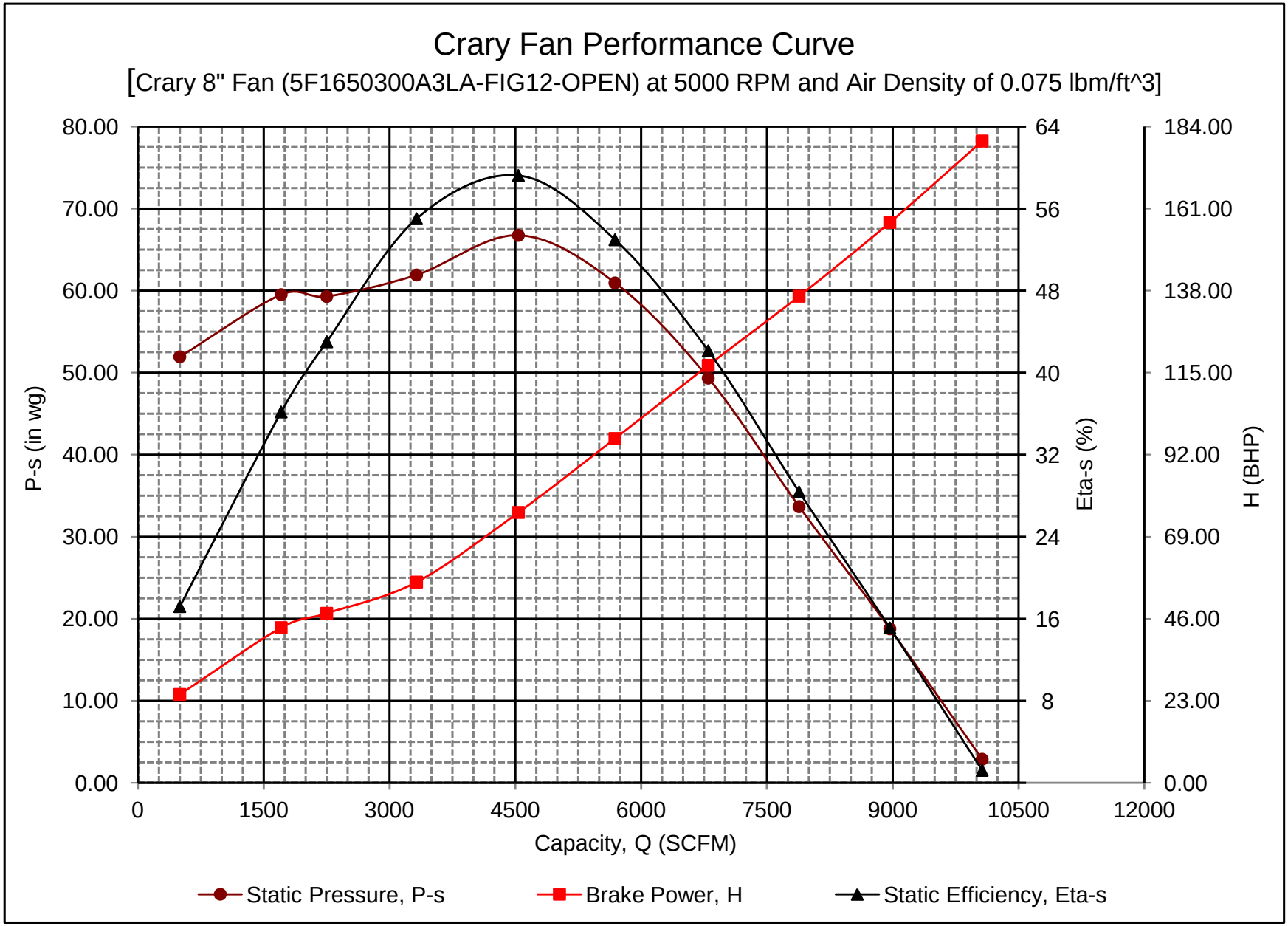

Crary Fan Performance Curve
[Crary 8" Fan (5F1650300A3LA-FIG12-OPEN) at 2500 RPM and Air Density of 0.075 lbm/ft^3]
P-s (in wg)
Eta-s (%)
H (BHP)
Capacity, Q (SCFM)
18.00
16.00
14.00
12.00
10.00
8.00
6.00
4.00
2.00
0.00
72
64
56
48
40
32
24
16
8
22.50
20.00
17.50
15.00
12.50
10.00
7.50
5.00
2.50
0.00
0
800
1600
2400
3200
4000
4800
5600
6400
Static Pressure, P-s
Brake Power, H
Static Efficiency, Eta-s


Crary Fan Performance Curve
[Crary 8" Fan (5F1650300A3LA-FIG12-OPEN) at 3000 RPM and Air Density of 0.075 lbm/ft^3]
P-s (in wg)
Eta-s (%)
H (BHP)
Capacity, Q (SCFM)
25.00
20.00
15.00
10.00
5.00
0.00
70
56
42
28
14
40.00
32.00
24.00
16.00
8.00
0.00
0
800
1600
2400
3200
4000
4800
5600
6400
7200
Static Pressure, P-s
Brake Power, H
Static Efficiency, Eta-s


Crary Fan Performance Curve
[Crary 8" Fan (5F1650300A3LA-FIG12-OPEN) at 3500 RPM and Air Density of 0.075 lbm/ft^3]
P-s (in wg)
Eta-s (%)
H (BHP)
Capacity, Q (SCFM)
35.00
30.00
25.00
20.00
15.00
10.00
5.00
0.00
70
60
50
40
30
20
10
63.00
54.00
45.00
36.00
27.00
18.00
9.00
0.00
0
1000
2000
3000
4000
5000
6000
7000
8000
Static Pressure, P-s
Brake Power, H
Static Efficiency, Eta-s


Crary Fan Performance Curve
[Crary 8" Fan (5F1650300A3LA-FIG12-OPEN) at 4000 RPM and Air Density of 0.075 lbm/ft^3]
P-s (in wg)
Eta-s (%)
H (BHP)
Capacity, Q (SCFM)
45.00
40.00
35.00
30.00
25.00
20.00
15.00
10.00
5.00
0.00
72
64
56
48
40
32
24
16
8
99.00
88.00
77.00
66.00
55.00
44.00
33.00
22.00
11.00
0.00
0
1000
2000
3000
4000
5000
6000
7000
8000
9000
Static Pressure, P-s
Brake Power, H
Static Efficiency, Eta-s


Crary Fan Performance Curve
[Crary 8" Fan (5F1650300A3LA-FIG12-OPEN) at 4500 RPM and Air Density of 0.075 lbm/ft^3]
P-s (in wg)
60.00
50.00
40.00
30.00
20.00
10.00
0.00
Eta-s (%)
72
60
48
36
24
12
H (BHP)
132.00
110.00
88.00
66.00
44.00
22.00
0.00
0
1500
3000
4500
6000
7500
9000
10500
Capacity, Q (SCFM)
Static Pressure, P-s
Brake Power, H
Static Efficiency, Eta-s


Crary Fan Performance Curve
[Crary 8" Fan (5F1650300A3LA-FIG12-OPEN) at 5000 RPM and Air Density of 0.075 lbm/ft^3]
P-s (in wg)
80.00
70.00
60.00
50.00
40.00
30.00
20.00
10.00
0.00
Eta-s (%)
64
56
48
40
32
24
16
8
H (BHP)
184.00
161.00
138.00
115.00
92.00
69.00
46.00
23.00
0.00
0
1500
3000
4500
6000
7500
9000
10500
12000
Capacity, Q (SCFM)
Static Pressure, P-s
Brake Power, H
Static Efficiency, Eta-s