

Bonneville Pro - Version 3.2

Racing Systems Analysis - www.QUARTERjr.com

File: streamer.dat

Note: test case for Bonneville Pro 3.2

General Data

Elevation - feet 1000
Barometer - in Hg 29.92
Temperature - deg F 81
Relative Humidity - % 35
Wind Velocity - MPH 0.0
Wind Angle - degs 0

Track: El Mirage Dry Lake
Traction Index 8

Vehicle Data

Weight - lbs 1700
Wheelbase - inches 175

Engine Dyno Data

RPM	HP	Torque
3500	240	360
4500	326	380
5500	419	400
6500	523	423
7000	538	404
7500	521	365
8000	477	313
8500	390	241
10500	73	37
11000	74	35
11500	73	33

Fuel System:

Gasoline Carburetor
HP/Torque Multiplier 1.000

Transmission Data

Torque Converter:
Stall RPM 5500
Converter Slippage 1.060
Lock-up option? No
Torque Multiplication 1.70

Gear	Ratio	Eff	Shift@
2nd -	1.76	0.970	7500
3rd -	1.00	0.990	100

Final Drive Data

Gear Ratio 3.50
Efficiency 0.970
Tire Diameter - inches 32.6
Tire Width - inches 10.00

Aerodynamic Data

Frontal Area - sq ft 13.1
Drag Coefficient 0.500
Lift Coefficient 0.150

Time	Distance	MPH	Acceleration	Gear	RPM
0.00	0.00	0.0	1.36	1	5,500
2.00	0.02	56.8	0.98	1	5,500
4.00	0.06	93.9	0.74	1	6,790
4.39	0.07	100.0	0.68	1	7,230
4.66	0.08	103.8	0.63	1	7,500
4.91	0.09	106.4	0.46	2	5,690
6.00	0.12	116.9	0.42	2	5,760
6.17	0.13	118.5	0.41	2	5,770
8.00	0.19	133.7	0.35	2	5,880
9.57	0.25	144.8	0.30	2	5,960
10.00	0.27	147.5	0.29	2	6,040
12.00	0.35	159.5	0.26	2	6,530
14.00	0.44	169.8	0.21	2	6,950
15.17	0.50	174.8	0.18	2	7,150
16.00	0.54	177.8	0.16	2	7,270
18.00	0.64	183.7	0.11	2	7,510
20.00	0.74	187.8	0.08	2	7,680
20.10	0.75	188.0	0.08	2	7,680
22.00	0.85	190.7	0.05	2	7,790
24.00	0.96	192.6	0.04	2	7,870
24.82	1.00	193.2	0.03	2	7,890
26.00	1.06	193.9	0.03	2	7,920
26.67	1.10	194.3	0.02	2	7,940
28.00	1.17	194.8	0.02	2	7,960
28.52	1.20	195.0	0.02	2	7,970
30.00	1.28	195.5	0.01	2	7,980
30.37	1.30	195.6	0.01	2	7,990