

Bonneville Pro - Version 3.2
Racing Systems Analysis - www.QUARTERjr.com

File: roadster.dat

Note: test case for Bonneville Pro 3.2

General Data

Elevation - feet	4500
Barometer - in Hg	29.92
Temperature - deg F	76
Relative Humidity - %	50
Wind Velocity - MPH	0.0
Wind Angle - degs	0

Track: Bonneville - 3 Miles	
Traction Index	6

Engine Dyno Data

RPM	HP	Torque
6400	5560	4563
6600	5734	4563
6800	5733	4428
7000	5581	4188
7200	5299	3865
7400	4858	3448
7600	4302	2973
7800	3630	2444
10500	73	37

Transmission Data

Clutch:			
Slip RPM	6400		
Clutch Slippage	1.000		
Lock-up option?	No		
Gear Ratio	Eff	Shift@	
2nd -	1.25	0.800	7000
3rd -	1.00	0.990	100

Vehicle Data

Weight - lbs	2350
Wheelbase - inches	125

Fuel System:	
Supercharged Nitro	

HP/Torque Multiplier 0.960

Final Drive Data

Gear Ratio	2.10
Efficiency	0.960
Tire Rollout - inches	113.0
Tire Width - inches	10.00

Aerodynamic Data

Frontal Area - sq ft	24.1
Drag Coefficient	0.580
Lift Coefficient	0.800

1.200

Time	Distance	MPH	Acceleration	Gear	RPM
0.00	0.00	0.0	1.48(s)	1	6,400
2.00	0.02	71.3	1.47	1	6,400
2.88	0.04	100.0	1.47(s)	1	6,400
4.00	0.08	135.8	1.46(s)	1	6,400
6.00	0.17	196.3	1.35(s)	1	6,400
6.13	0.18	200.0	1.34(s)	1	6,400
8.00	0.30	252.2	1.12	1	6,460
9.01	0.37	273.7	0.80	1	7,000
9.21	0.39	277.8	0.92	2	6,400
10.00	0.45	292.7	0.81	2	6,400
10.63	0.50	303.2	0.72	2	6,400
12.00	0.62	322.2	0.55	2	6,580
14.00	0.80	339.7	0.27	2	6,930
16.00	0.99	347.3	0.10	2	7,080
16.05	1.00	347.4	0.10	2	7,080
18.00	1.19	350.1	0.04	2	7,140
20.00	1.38	351.1	0.01	2	7,160
21.19	1.50	351.3	0.01	2	7,160
22.00	1.58	351.4	0.00	2	7,160
24.00	1.77	351.6	0.00	2	7,170
26.00	1.97	351.8	0.00	2	7,170
26.31	2.00	351.8	0.00	2	7,170
28.00	2.16	352.0	0.00	2	7,170
28.87	2.25	352.1	0.00	2	7,180
30.00	2.36	352.2	0.00	2	7,180
31.43	2.50	352.3	0.00	2	7,180
32.00	2.56	352.3	0.00	2	7,180
33.98	2.75	352.5	0.00	2	7,180
34.00	2.75	352.5	0.00	2	7,180
36.00	2.95	352.7	0.00	2	7,190
36.53	3.00	352.7	0.00	2	7,190