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

File: prostock.dat
Note: test case for QUARTER Pro version 3.2

General Data

Elevation - feet	32
Barometer - in Hg	29.92
Temperature - deg F	75
Relative Humidity - %	55
Wind Velocity - MPH	5.0
Wind Angle - degs	135

Track Temp - deg F	105
Traction Index	3

Vehicle Data

Weight - lbs	2355
Wheelbase - inches	107
Rollout - inches	9
Overhang - inches	40

Engine Dyno Data

RPM	HP	Torque
7000	1078	809
7250	1131	819
7500	1177	824
7750	1216	824
8000	1251	821
8250	1274	811
8500	1288	796
8750	1300	780
9000	1297	757
9250	1269	721
9500	1222	676

Fuel System:
     Gasoline Carburetor
HP/Torque Multiplier 1.000

Transmission Data

Clutch:

Launch@ RPM	7200
Slip RPM	7600
Clutch Slippage	1.004
Lock-up option?	No

Gear	Ratio	Eff	Shift@
2nd -	2.60	0.990	9400
3rd -	1.90	0.991	9400
4th -	1.50	0.992	9400
5th -	1.20	0.993	9400
6th -	1.00	0.994	0

Final Drive Data

Gear Ratio	4.86
Efficiency	0.975
Tire Rollout - inches	102.5
Tire Width - inches	17.00

Aerodynamic Data

Frontal Area - sq ft	18.2
Drag Coefficient	0.240
Lift Coefficient	0.100

Polar Moments of Inertia

Engine + Flywheel + Clutch	3.42
Transmission + Driveshaft	0.247
Tires + Wheels + Ring Gear	50.8

1.047

Time	Distance	MPH	Acceleration	Gear	RPM
0.00	0	0.0	2.48(s)	1	7,200
0.131/0.00	Rollout	7.9	2.69	1	7,600
0.50	21	37.4	2.66(s)	1	7,600
0.64	30	45.9	2.65(s)	1	7,600
0.90	50	60.0	2.19	1	8,570
1.00	59	64.5	2.03	1	9,170
1.01	60	64.9	2.05	1	9,200
1.05	64	66.5	1.99	1	9,410
1.25	85	76.9	2.22	2	7,950
1.50	115	87.2	1.74	2	8,810
1.69	141	93.8	1.44	2	9,400
1.89	169	101.4	1.67	3	7,970
2.00	186	105.0	1.43	3	8,210
2.50	269	119.9	1.23	3	9,220
2.60	287	122.6	1.16	3	9,390
2.80	323	128.3	1.27	4	7,830
2.84	330	129.2	1.14	4	7,870
3.00	362	133.3	1.10	4	8,060
3.50	463	145.2	1.04	4	8,670
4.00	574	156.2	0.94	4	9,210
4.19	617	159.9	0.89	4	9,380
4.37	660	163.7	0.94	5	8,120
4.39	665	164.2	0.94	5	8,020
4.50	693	166.3	0.85	5	8,100
5.00	818	175.6	0.83	5	8,470
5.50	950	184.3	0.77	5	8,830
5.68	1000	187.4	0.76	5	8,950
6.00	1088	192.4	0.72	5	9,150
6.50	1232	199.7	0.64	5	9,420
6.80	1320	203.8	0.59	5	9,570

1/8 Mile: 4.37 sec @ 160.9 MPH   1/4 Mile: 6.80 sec @ 202.3 MPH