

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

File: etracer.dat

Note: test case for QUARTER jr

General		Torque Converter		Vehicle	
Elevation - feet	680	Stall RPM	3000	Weight - lbs	3600
Barometer - in Hg	29.92	Lock-up option?	No	Rollout - inches	14
Temperature - deg F	86	Diameter - inches	10	Wheelbase - inches	108
Relative Humidity - %	60			Body Style: sedan	
Engine		Transmission Gear Ratios		Frontal Area	
Fuel System: Gasoline Carburetor		2nd -	2.48	sq ft	26.1
Displacement - CID	350	3rd -	1.48		
RPM@ Peak HP	5600	4th -	1.00		
Peak HP	325			Final Drive	
Shift@ RPM	6000			Gear Ratio	4.11
				Tire Diameter - inches	28.0
				Tire Width - inches	10.00
				Traction Index	8
Frontal Area Worksheet			Tire Width Worksheet		
Maximum Width - inches	72.0		Tread Width - inches		12.00
Maximum Height - inches	58.0		Number of Grooves		8
Shape Factor - %	90.0		Each Groove Width - inches		0.250

Frontal Area - sq ft =	26.1		Effective Tire Width =		10.00

1.108

Time	Distance	MPH	Acceleration	Gear	RPM
0.00	0	0.0	0.92	1	3,000
0.252/0.00	Rollout	5.8	0.89	1	3,000
1.00	25	21.8	0.60	1	3,170
1.15	30	23.7	0.52	1	3,290
1.88	60	32.6	0.56	1	4,520
2.00	66	34.1	0.55	1	4,710
2.88	116	43.7	0.44	1	6,000
3.13	133	46.2	0.45	2	3,790
4.00	196	53.0	0.36	2	4,320
4.92	272	60.0	0.33	2	4,870
5.00	279	60.6	0.33	2	4,910
5.55	330	64.5	0.32	2	5,220
6.00	373	67.5	0.30	2	5,450
7.00	477	73.6	0.26	2	5,910
7.20	499	74.8	0.25	2	5,990
7.45	526	76.2	0.26	3	4,130
8.00	589	78.8	0.21	3	4,240
8.60	660	81.6	0.21	3	4,380
9.00	708	83.3	0.21	3	4,460
10.00	833	87.8	0.20	3	4,670
11.00	965	92.0	0.19	3	4,860
11.26	1000	93.0	0.19	3	4,900
12.00	1103	96.0	0.18	3	5,020
13.00	1247	99.8	0.17	3	5,170
13.07	1256	100.0	0.17	3	5,180
13.50	1320	101.6	0.17	3	5,230

1/8 Mile: 8.60 sec @ 80.3 MPH 1/4 Mile: 13.50 sec @ 100.8 MPH