

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	
		Transmission Gear Ratios		Frontal Area - sq ft	26.1
		2nd -	2.48		
		3rd -	1.48		
		4th -	1.00		
Engine				Final Drive	
Fuel System: Gasoline Carburetor				Gear Ratio	4.11
Displacement - CID	350			Tire Diameter - inches	28.0
RPM@ Peak HP	5600			Tire Width - inches	10.00
Peak HP	325			Traction Index	8
Shift@ RPM	6000				

Frontal Area Worksheet

Maximum Width - inches 72.0
 Maximum Height - inches 58.0
 Shape Factor - % 90.0

 Frontal Area - sq ft = 26.1

Tire Width Worksheet

Tread Width - inches 12.00
 Number of Grooves 8
 Each Groove Width - inches 0.250

 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