

QUARTER jr - Version 3.2

Racing Systems Analysis - www.QUARTERjr.com

File: supergas.dat
 Note: test case for QUARTER jr

General		Torque Converter		Vehicle	
Elevation - feet	450	Stall RPM	4500	Weight - lbs	2200
Barometer - in Hg	29.92	Lock-up option?	No	Rollout - inches	12
Temperature - deg F	85	Diameter - inches	9	Wheelbase - inches	108
Relative Humidity - %	35			Body Style: altered/roadster	
		Transmission Gear Ratios		Frontal Area - sq ft	18.0
		2nd -	1.76		
		3rd -	1.00		
Engine				Final Drive	
Fuel System: Gasoline Carburetor				Gear Ratio	4.56
Displacement - CID	454			Tire Diameter - inches	32.4
RPM@ Peak HP	5800			Tire Width - inches	14.40
Peak HP	450			Traction Index	5
Shift@ RPM	6400				

Frontal Area Worksheet

Maximum Width - inches 66.0
 Maximum Height - inches 49.0
 Shape Factor - % 80.0

 Frontal Area - sq ft = 18.0

Tire Width Worksheet

Tread Width - inches 14.40
 Number of Grooves 0
 Each Groove Width - inches 0.000

 Effective Tire Width = 14.40

1.076	Time	Distance	MPH	Acceleration	Gear	RPM
	0.00	0	0.0	1.74	1	4,500
	0.172/0.00	Rollout	7.5	1.78	1	4,500
	0.50	16	25.3	1.45	1	4,500
	0.81	30	34.5	1.25	1	4,580
	1.00	40	39.6	1.18	1	4,640
	1.31	60	47.2	1.07	1	4,730
	1.50	74	51.4	0.95	1	4,810
	1.97	112	60.0	0.81	1	5,540
	2.00	115	60.5	0.76	1	5,590
	2.50	162	68.4	0.65	1	6,270
	2.61	174	70.0	0.65	1	6,400
	2.86	200	74.0	0.70	2	4,650
	3.00	215	75.8	0.59	2	4,660
	3.50	273	82.0	0.55	2	4,710
	3.96	330	87.4	0.53	2	4,740
	4.00	335	87.9	0.51	2	4,740
	4.50	402	93.4	0.48	2	4,780
	5.00	472	98.3	0.44	2	4,990
	5.17	497	100.0	0.44	2	5,060
	5.50	546	103.0	0.42	2	5,200
	6.00	623	107.5	0.40	2	5,400
	6.23	660	109.5	0.39	2	5,490
	6.50	704	111.7	0.39	2	5,580
	7.00	787	115.6	0.35	2	5,750
	7.50	873	119.3	0.33	2	5,910
	8.00	962	122.8	0.30	2	6,050
	8.21	1000	124.1	0.31	2	6,100
	8.50	1053	126.0	0.29	2	6,170
	9.00	1147	128.9	0.26	2	6,270
	9.50	1242	131.6	0.24	2	6,370
	9.90	1320	133.6	0.23	2	6,440

1/8 Mile: 6.23 sec @ 107.7 MPH 1/4 Mile: 9.90 sec @ 132.8 MPH