

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

File: supercmp.dat

Note: test case for QUARTER jr

General		Torque Converter		Vehicle	
Elevation - feet	1200	Stall RPM	5500	Weight - lbs	1450
Barometer - in Hg	29.92	Lock-up option?	No	Rollout - inches	10
Temperature - deg F	88	Diameter - inches	8	Wheelbase - inches	225
Relative Humidity - %	35			Body Style: dragster	
				Frontal Area - sq ft	14.7
Engine		Transmission Gear Ratios		Final Drive	
Fuel System: Methanol Carburetor		2nd -	1.82	Gear Ratio	4.86
Displacement - CID	355	3rd -	1.00	Tire Diameter - inches	32.4
RPM@ Peak HP	6700			Tire Width - inches	12.30
Peak HP	430			Traction Index	5
Shift@ RPM	7200				
Frontal Area Worksheet			Tire Width Worksheet		
Maximum Width - inches	60.0		Tread Width - inches	12.30	
Maximum Height - inches	44.0		Number of Grooves	0	
Shape Factor - %	80.0		Each Groove Width - inches	0.000	

Frontal Area - sq ft =	14.7		Effective Tire Width =	12.30	

1.096

Time	Distance	MPH	Acceleration	Gear	RPM
0.00	0	0.0	2.23	1	5,500
0.139/0.00	Rollout	7.8	2.31	1	5,500
0.50	18	30.5	1.80	1	5,500
0.73	30	38.9	1.58	1	5,650
1.00	47	47.8	1.44	1	5,800
1.17	60	53.1	1.34	1	5,890
1.44	82	60.0	1.04	1	6,250
1.50	87	61.2	0.99	1	6,380
1.91	127	69.7	0.89	1	7,200
2.16	154	75.0	0.93	2	5,660
2.50	192	80.9	0.77	2	5,710
3.00	255	89.0	0.71	2	5,780
3.50	323	96.6	0.66	2	5,850
3.55	330	97.3	0.66	2	5,860
3.74	358	100.0	0.64	2	5,880
4.00	396	103.5	0.63	2	5,910
4.50	475	109.9	0.54	2	6,040
5.00	557	115.7	0.51	2	6,320
5.50	644	121.0	0.48	2	6,570
5.59	660	122.0	0.47	2	6,610
6.00	735	126.0	0.44	2	6,800
6.50	828	130.5	0.40	2	7,000
7.00	926	134.7	0.36	2	7,170
7.37	1000	137.5	0.35	2	7,290
7.50	1026	138.4	0.32	2	7,330
8.00	1129	141.8	0.28	2	7,450
8.50	1234	144.8	0.25	2	7,560
8.90	1320	147.0	0.23	2	7,640

1/8 Mile: 5.59 sec @ 120.0 MPH 1/4 Mile: 8.90 sec @ 146.2 MPH