

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

File: funnycar.dat

Note: test case for QUARTER Pro version 3.2

General Data		Engine Dyno Data			Transmission Data		
Elevation - feet	300	RPM	HP	Torque	Clutch:		
Barometer - in Hg	29.92	6400	6116	5019	Launch@ RPM	6400	
Temperature - deg F	76	6600	6276	4994	Slip RPM	6800	
Relative Humidity - %	50	6800	6306	4871	Clutch Slippage	1.000	
Wind Velocity - MPH	0.0	7000	6139	4606	Lock-up option?	No	
Wind Angle - degs	0	7200	5829	4252			
		7400	5344	3793			
Track Temp - deg F	112	7600	4732	3270	Gear Ratio	Eff	Shift@
Traction Index	1	7800	3993	2689	2nd -	1.00	1.000
		9000	1297	757			100
Vehicle Data		9250	1269	721			
Weight - lbs	2350	9500	1222	676	Fuel System:		
Wheelbase - inches	125				Supercharged Nitro		
Rollout - inches	12				HP/Torque Multiplier	1.000	
Overhang - inches	40						
Final Drive Data							
Gear Ratio	3.20	Aerodynamic Data			Polar Moments of Inertia		
Efficiency	0.960	Frontal Area - sq ft	24.1		Engine + Flywheel + Clutch	6.03	
Tire Rollout - inches	118.0	Drag Coefficient	0.500		Transmission + Driveshaft	0.107	
Tire Width - inches	18.00	Lift Coefficient	0.800		Tires + Wheels + Ring Gear	75.4	
1.054	Time	Distance	MPH	Acceleration	Gear	RPM	
	0.00	0	0.0	3.03	1	6,400	
0.140/0.00	Rollout	10.0	3.30	1	6,800		
	0.25	12	28.8	3.38	1	6,800	
	0.50	26	47.4	3.37	1	6,800	
	0.56	30	51.6	3.37	1	6,800	
	0.67	39	60.0	3.35	1	6,800	
	0.75	47	65.9	3.35	1	6,800	
	0.88	60	75.3	3.33	1	6,800	
	1.00	74	84.2	3.33	1	6,800	
	1.22	104	100.0	3.30	1	6,800	
	1.25	108	102.4	3.30	1	6,800	
	1.50	149	120.5	3.29	1	6,800	
	1.75	197	138.4	3.26	1	6,800	
	2.00	251	156.3	3.24	1	6,800	
	2.25	311	174.1	3.25	1	6,800	
	2.32	330	179.3	3.25	1	6,800	
	2.50	378	192.0	3.26	1	6,800	
	2.75	452	209.6	3.13	1	6,800	
	3.00	532	226.3	2.98	1	6,800	
	3.25	618	242.2	2.75	1	6,920	
	3.37	660	248.9	2.53	1	7,040	
	3.50	710	255.9	2.28	1	7,170	
	3.75	805	267.0	1.86	1	7,340	
	4.00	905	276.1	1.51	1	7,450	
	4.23	1000	283.0	1.21	1	7,540	
	4.25	1008	283.5	1.23	1	7,550	
	4.50	1113	289.5	0.98	1	7,630	
	4.75	1220	294.5	0.85	1	7,700	
	4.98	1320	298.2	0.64	1	7,760	

1/8 Mile: 3.37 sec @ 243.5 MPH 1/4 Mile: 4.98 sec @ 297.0 MPH