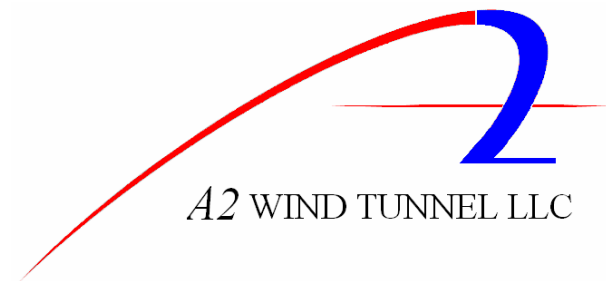


BONNEVILLE SPEED REPORT

CUSTOMER: GARY EAKER

REPORT DATE: 2008-08-12

VEHICLE: LANDSPEED 1988 PONTIAC TRANS-AM



CONFIG.1: Baseline of the model: Stock production 1988 Pontiac Trans-Am.

CONFIG.2: Optimized configuration for maximum drag reduction.

CONFIG.3: Configuration.1 + 300 lbs added to static rear wheel weight to see effect.

CONFIG.1:

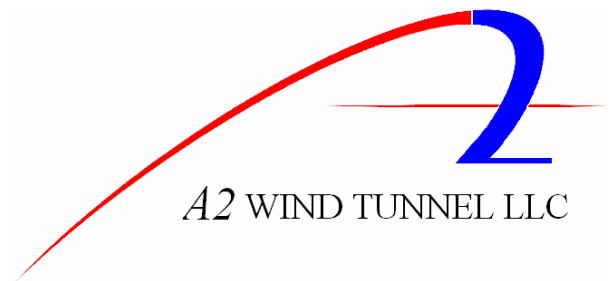
Horse Power (crank)	1150
Lb front	1600
Lb rear (incl.accel wt.transfer)	2800
C _{SF} Surface Friction	0.55
C _{RR} Rolling Resistance	0.01
Drive .Efficiency	0.9
Altitude (ft) > Aero effect	4200
PSI engine boost	20
Barometer (In.Hg)	29.92
Deg F	100
% Relative Humidity	50
Area (m ²)	2
C _D	.310
C _{LF}	.200
C _{LR}	.150

CONFIG.1 RESULTS:

DISTANCE	TIME	SPEED	WHEEL SPIN
1 MILE	32.80	198.28	Y
2 MILE	49.00	244.66	Y
3 MILE	63.00	265.45	Y
4 MILE	76.30	275.82	Y
5 MILE	89.20	281.11	Y

TIMED MILE AVE = 278.74 mph

BONNEVILLE SPEED REPORT



CONFIG.2:

Horse Power (crank)	1150
Lb front	1600
Lb rear (incl.accel wt.transfer)	2800
C _{sf} Surface Friction	0.55
C _{rr} Rolling Resistance	0.01
Drive .Efficiency	0.9
Altitude (ft) > Aero effect	4200
PSI engine boost	20
Barometer (In.Hg)	29.92
Deg F	100
% Relative Humidity	50
Area (m ²)	2
C _D	.240
C _{LF}	.150
C _{LR}	.130

CONFIG.2 RESULT:

DISTANCE	TIME	SPEED	WHEEL SPIN
1 MILE	32.60	204.56	Y
2 MILE	48.00	257.32	Y
3 MILE	61.20	284.02	Y
4 MILE	73.50	298.83	Y
5 MILE	85.40	307.38	Y

TIMED MILE AVE = 303.47mph

G.EAKER AVE SPEED= 296.15 mph
RUN #1 SCTA OCT 1989

CONFIG.3:

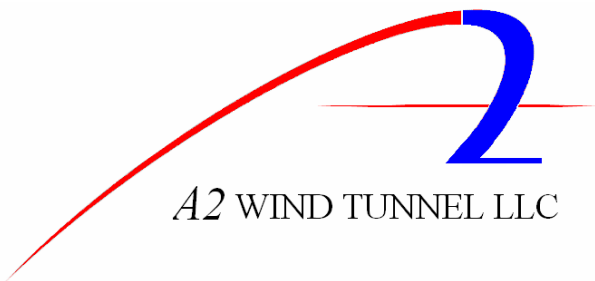
Horse Power (crank)	1150
Lb front	1600
Lb rear (incl.accel wt.transfer)	3100
C _{sf} Surface Friction	0.55
C _{rr} Rolling Resistance	0.01
Drive .Efficiency	0.9
Altitude (ft) > Aero effect	4200
PSI engine boost	20
Barometer (In.Hg)	29.92
Deg F	100
% Relative Humidity	50
Area (m ²)	2
C _D	.240
C _{LF}	.150
C _{LR}	.130

CONFIG.3 RESULT:

DISTANCE	TIME	SPEED	WHEEL SPIN
1 MILE	31.90	209.75	Y
2 MILE	47.00	261.48	N
3 MILE	60.00	289.35	N
4 MILE	72.10	307.04	N
5 MILE	83.50	318.24	N

TIMED MILE AVE = 313.05mph

BONNEVILLE SPEED REPORT



GARY EAKER; KARL STAGGEMEIER (1988 PONTICA TA)
(C1 = Config.1, C2=Config.2, C3=Config.3)

