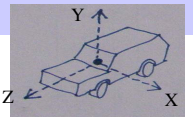




Nissan Skyline 2000 RS-Turbo

1983



DIMENSIONS

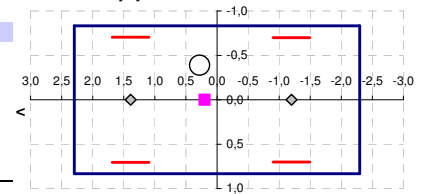
4 Wheels	Length	4,595m	Wheelbase	2,590m
Ground clearance	Width	1,665m	Front track	1,410m
0,124m	Body height	1,205m	Rear track	1,400m

NullPoint (0,0,0)

In the center

of body

UPPER VIEW [m]



WEIGHTS

Body	930kg			
Engine	180kg	1.110kg	SPRUNG WEIGHT	
Front wheels	70kg	+		
Rear wheels	70kg	140kg	UNSPRUNG WEIGHT	
DISTRIBUTION front	54%	1.250kg	TOTAL MASS	
rear	46%			

Steering wheel

Center of gravity [m]

Rotational inertias [kg.m2]

	X pitch	Y yaw	Z roll
Estimated [kg.m2]	1.876	2.032	338
	(2.083)	(2.083)	(108)

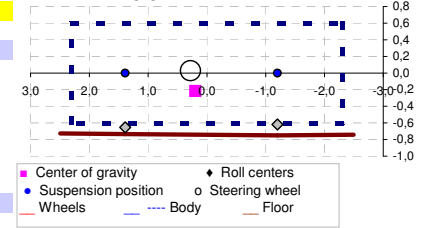
ENGINE

Maximum power	210 CV	7.600rpm	max
Maximum torque	227 N.m	7.000rpm	(156kW)
		5.000rpm	(23mkp)
		1.150rpm	min
CONSUMPTION		0,000200 g/J	(default values)
Fuel tank	50 L Gasoline		

AERODYNAMIC

Frontal area	2,01m2			
COEFFICIENTS	width	longitudinal [Z]	Cx 0,39	vertical [Y]
	1,00	1,00	-12,00	1,00
	2,00	1,00	-9,00	1,00
	3,00	1,00		
	4,00	1,00		

LATERAL VIEW [m]



AERODYNAMIC CHANGES

V [km/h]	Fy [kg]	+/- ΔAx	- ΔAz
100	-17	-1%	-0,03G
150	-39	-3%	-0,07G
200	-69	-6%	-0,12G
250	-108	-9%	-0,19G
300	-156	-12%	-0,27G

TRANSMISSION

Drive:	rear	gears	5
Gearbox:	manual	differential ratio	3,90
HELP TO DRIVE:			
	without ABS		
	without ASD	7.600rpm	At max RPM

GEAR RATIOS

V [km/h]	+ Az
1 ^a 3,32	65
2 ^a 1,90	114
3 ^a 1,31	166
4 ^a 1,00	217
5 ^a 0,84	259
6 ^a	
7 ^a	
8 ^a	
9 ^a	
MA -3,38	-64

BRAKES

front	1.250 N.m	8.446 N	74%
rear	450 N.m	3.041 N	26%
		11.486 N	

Az [m/s2]

-0,94G

WHEELS ANGLE

° out	° in
1,25	1,64
2,50	3,33
5,00	6,82
10,00	14,34

STEERING

Steer lock	2,9	between locks	To front wheels
Turning diameter	7,98	m	Ackerman 1,30
STEERING WHEEL POSITION			
	X	Y	Z
	-0,39	0,03	0,28

SUSPENSION

LENGTH	hung	min	max	kerb weight
	[m]			
Front	0,595	0,360	0,600	0,438
Rear	0,605	0,360	0,610	0,454
STIFFNESS [N/m]		Wheels	Susp.	Total
Front	196.133	16.671	15.365	26.500
Rear	196.133	14.122	13.173	8.000

ROLL CENTER

Front		X	Y	Z
Rear				
	m	-0,65	1,39	
	m	-0,62	-1,20	

WHEELS

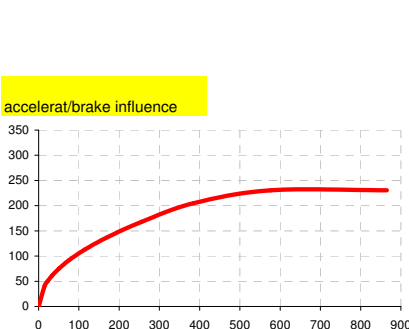
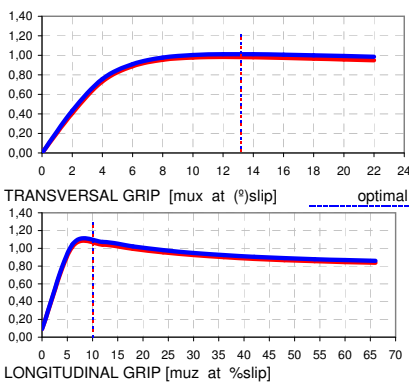
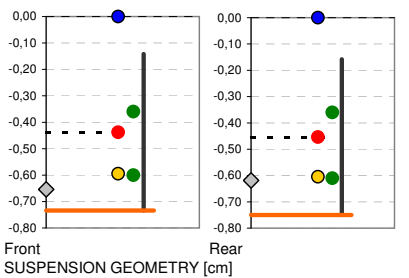
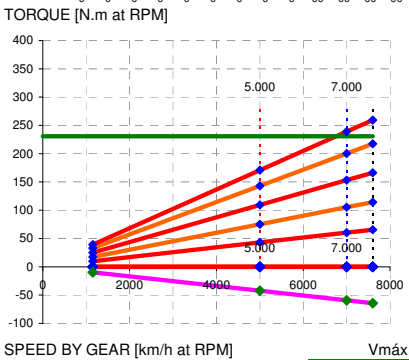
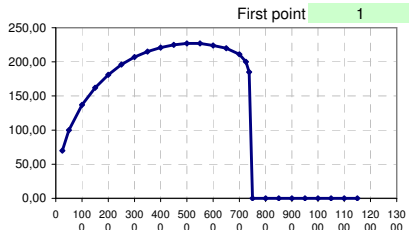
	[m]	Radius	Perimeter	optimal values
Front	0,296	1,860	0,100	0,230
Rear	0,296	1,860	0,100	0,230
media	0,296	1,860		

SUSPENSION POSITION	Wheel	X	Y	Z
ROLL COEFFICIENT	0,015	0,71	-0,71	1,39
		2,07	-1,20	-1,20
		3,-0,70		

TEORICAL PERFORMANCE

Speed	231 km/h	By power	(143mph)
	259 km/h	By transmission	(161mph)
Acceleration	6,40 seg	from 0 to 100 km/h	(5,94s)
	14,39 seg	from 0 to 399 m	
	25,61 seg	from 0 to 998 m	
Brake	15,1m	from 0 to 60 km/h	
	82,3m	from 0 to 140 km/h	
Adelantament	2,38 seg	from 20 a 50 km/h in 2 ^a	
	6,38 seg	from 60 to 120 km/h in 3 ^a	
	8,27 seg	from 80 to 120 km/h in 5 ^a	
Consumption	1,4 L	at 90km/h	
100 km	2,0 L	at 120km/h	
	2,485	Km at 120km/h	

TRANSVERSAL DYNAMIC			
Roll over	Longitudinal	Transversal	
V = 231 km/h	1,36G	0,84G	
	Amáx 0,69G (340%)		
	Fmáx -0,84G (89%)		
	1,36G	0,88G	
	Amáx 0,73G (90%)		
	Fmáx -0,9G (96%)		



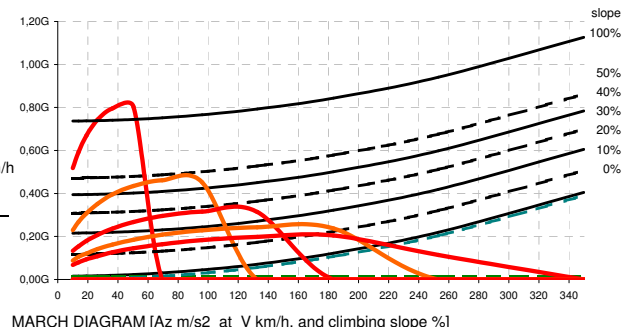
SPEED AT CURVE [km/h at R curve,m]

With Az = 0

COMMENTS BY MODELERS

danger, slippery when turbo kicks in

Model by endo, performance by Cosmo°, dials by BLo0m



version RACER: 052b9