

Design Specifications

	ITEM		METRIC	ENGLISH	NOTES
DIMENSIONS	Overall length		4,425 mm	174.2 in	
	Overall width		1,810 mm	71.3 in	
	Overall height		1,175 mm	46.3 in	
	Wheelbase		2,530 mm	99.6 in	
	Track F/R		1,510/1,530 mm	59.4/60.2 in	
	Ground clearance		135 mm	5.3 in	
	Seating capacity		2		
WEIGHT (USA)	Gross Vehicle Weight Rating (GVWR)		NSX: 1,610 kg	3,550 lbs	
WEIGHT (CANADA)	Gross Vehicle Weight Rating (GVWR)		NSX-T: M/T 1,630 kg	3,593 lbs	
			A/T 1,655 kg	3,649 lbs	
ENGINE	Type		Water cooled, 4-stroke DOHC VTEC gasoline engine		
	Cylinder arrangement		90° V6-cylinder, transverse		
	Bore and stroke		93.0 x 78.0 mm	3.66 x 3.07 in	
		C32B1 engine	90.0 x 78.0 mm	3.54 x 3.07 in	
		C30A1 engine			
	Displacement		3,179 cm³ (cc)	194 cu in	
		C32B1 engine	2,977 cm³ (cc)	182 cu in	
		C30A1 engine			
	Compression ratio		10.2		
	Valve train		Belt driven DOHC		
STARTER	Lubrication system		Forced and wet sump		
	Fuel required		Premium UNLEADED grade gasoline with 91 Pump Octane Number or higher		
	Type/Make		Gear reduction/DENSO		
	Normal output		1.4 kW		
	Nominal voltage		12 V		
	Hour rating		30 seconds		
	Direction of rotation		Counterclockwise as viewed from gear end		
CLUTCH	Weight		4.75 kg	10.47 lbs	
	Clutch	M/T	Single plate dry, diaphragm spring		
		A/T	Torque converter		
TRANSMISSION	Clutch lining area	M/T	239 cm²	37.0 sq in	
	Transmission	M/T	Synchronized 6 speed forward 1 reverse		
		A/T	Electronically controlled		
	Primary reduction		4-speed forward automatic; 1 reverse		
			Direct 1 : 1		
	Type		Manual	Automatic	
	Gear ratio	1st	3.066	2.611	
		2nd	1.956	1.551	
		3rd	1.428	1.025	
		4th	1.125	0.684	
		5th	0.914	—	
		6th	0.717	—	
		Reverse	3.186	1.909	
	Final reduction	Gear type	Single helical gear		
		Gear ratio	4.062	4.428	

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AIR CONDITIONING	Cooling capacity		4,000 Kcal/h	15,872 BTU/h	
	Conditions:				
	Compressor RPM		1,800 rpm		
	Outside air temperature		27°C	81°F	
	Outside air humidity		50%		
	Condenser air temperature		35°C	95°F	
	Condenser air velocity		4.5 m/sec	14.8 ft/sec	
	Blower capacity		420 m³/h	15,540 cu-ft/h	at 12 V
	Compressor	Type/Make No. of cylinders Capacity Max. speed Lubricant capacity	Swash-plate type/DENSO 10 155.3 cc/rev 7,600 rpm 160 ml		9.47 cu-in/rev 5 1/3 fl oz, 5.6 Imp oz
	Condenser	Type	Corrugated fin type		
	Evaporator	Type	Corrugated fin type		
		Air temperature	19.5°C	67°F	
	Blower	Type Motor input Speed control Max. capacity	Sirocco fan 178 W/12 V Infinity variable 460 m³/h		16,247 cu-ft/h at 13.5 V
	Temp. control		Air-mix type		
	Compressor clutch	Type Power consumption	Dry, single plate, poly-V-belt drive 40 W/12 V		
	Refrigerant	Type Quantity	HFC-134a (R-134a) 850 ± ₅₀ ⁰ g		30.0 ± _{1.8} ⁰ oz
STEERING SYSTEM	Type Overall ratio Turns, lock-to-lock Steering wheel dia.		Electric, power assisted, rack and pinion 18.6 3.24 368 mm		14.5 in
SUSPENSION	Type, front Type, rear Shock absorber, front and rear		Independent double wishbone with compliance pivot, coil spring with stabilizer Independent double wishbone, coil spring with stabilizer Telescopic, hydraulic nitrogen gas-filled		

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WHEEL ALIGNMENT	Camber	Front		-0°20'	
		Rear		-1°30'	
	Caster			8°	
	Toe	Front	Out 3.5 mm	Out 0.14 in	
		Rear	In 4.0 mm	In 3/16 in	
BRAKE SYSTEM	Type, front and rear		Power assisted self-adjusting ventilated disc		
	Pad and lining surface area: front/rear		58.0/38.8 cm ²	8.99/6.01 sq in	
	Parking brake type		Mechanical expanding, rear two wheel brakes		
TIRE	Size		Front: 215/45 ZR 16 Rear: 245/40 ZR 17 165/80 D 16 (Folding spare tire)		
ELECTRICAL	Battery		12 V - 52AH/5HR		M/T
	Starter		12 V - 55AH/5HR		A/T
	Alternator		12 V - 1.4 kW		
	Fuses		12 V - 120 A		
	In the under-dash fuse box		7.5 A, 10 A, 15 A		
	In the under-hood fuse/relay box		7.5 A, 10 A, 15 A, 20 A, 30 A, 40 A, 50 A		
	In the engine compartment fuse/relay box		10 A, 20 A, 30 A, 40 A, 120 A		
	Headlights, high, low		12 V - 65 W, 55 W		
	Front turn signal lights		12 V - 45 CP		
	Front parking lights		12 V - 5 W		
	Rear turn signal lights		12 V - 45 CP		
	Brake/Taillights		12 V - 32/2 CP		
	Taillights		12 V - 2 CP		
	Front side marker lights		12 V - 3 CP		
	Rear side marker lights		12 V - 3 CP		
	Back-up lights		12 V - 32 CP		
	License plate lights		12 V - 8 W		
	Gauge lights		12 V - 3.0 W, 1.4 W		
	Indicator lights		12 V - 1.4 W, 1.96 W		
	Glove box and fuse lights		12 V - 3.4 W		
	Ceiling lights		12 V - 5 W		NSX
			12 V - 8 W		NSX-T
	Trunk lights		12 V - 3.4 W		
	Door courtesy lights		12 V - 3.4 W		
	Footwell light		12 V - 5 W		
	Illumination and indicator lights		12 V - 1.4 W, 0.84 W		
			12 V - 0.91 W, LED		
	Daytime running lights		12 V - 32 CP		Canada model only
	High mount brake light		LED		