

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 A/T 1,655 kg		3,593 lbs 3,649 lbs				
ENGINE	Type		Water cooled, 4-stroke DOHC VTEC gasoline engine						
	Cylinder Arrangement		90° V6-cylinder, transverse						
	Bore and Stroke		C32B1 engine		93.0 x 78.0 mm	3.66 x 3.07 in			
			C30A1 engine		90.0 x 78.0 mm	3.54 x 3.07 in			
	Displacement		C32B1 engine		3,179 cm³ (cc)	194 cu in			
			C30A1 engine		2,977 cm³ (cc)	182 cu in			
	Compression Ratio		10.2						
	Valve Train		Belt driven DOHC						
	Lubrication System		Forced and wet sump						
	Fuel Required		Premium UNLEADED grade gasoline with 91 Pump Octane Number or higher						
STARTER	Type/Make		Gear reduction/DENSO						
	Normal Output		1.6 kW						
	Nominal Voltage		12 V						
	Hour Rating		30 seconds						
	Direction of Rotation		Counterclockwise as viewed from gear end						
	Weight		4.75 kg		10.47 lbs				
CLUTCH	Clutch	M/T	Single plate dry, diaphragm spring						
		A/T	Torque converter						
	Clutch Lining Area	M/T	239 cm²		37.0 sq in				
TRANSMISSION	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	at 12 V
	— 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	
	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 Air Temperature	Corrugated fin type 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 (Power steering) 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'	
	Caster	Rear	-1°30'	
	Toe	Front	8°	
		Rear		
BRAKE SYSTEM	Type, Front and Rear	Out 3.5 mm In 4.0 mm	Out 0.14 in In 0.16 in	
	Pad and Lining Surface Area: Front/Rear Parking Brake Kind and Type	Power assisted self-adjusting ventilated disc 58.0/38.8 cm ² 8.99/6.01 sq in Mechanical expanding, rear two wheel brakes		
TIRE	Size	Front: 215/45 ZR 1b Rear: 245/40 ZR 17 165/80 D 16 (Folding spare tire)		
ELECTRICAL	Battery	M/T: 12 V - 52AH/5HR A/T: 12 V - 55AH/5HR		
	Starter	12 V - 1.4 kW		
	Alternator	12 V - 120 A		
	Fuses			
	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	10 A, 20 A, 30 A, 40 A, 120 A		
	Fuse/Relay Box	12 V - 65 W, 55 W		
	Headlights, High, Low	12 V - 45 CP		
	Front Turn Signal Lights	12 V - 5 W		
	Front Parking Lights	12 V - 45 CP		
	Rear Turn Signal Lights	12 V - 32/2 CP		
	Brake/Tailights	12 V - 2 CP		
	Tailights	12 V - 3 CP		
	Front Side Marker Lights	12 V - 3 CP		
	Rear Side Marker Lights	12 V - 32 CP		
	Back-up Lights	12 V - 8 W		
	License Plate Lights	12 V - 3.0 W, 1.4 W		
	Gauge Lights	12 V - 1.4 W, 1.96 W		
	Indicator Lights	12 V - 3.4 W		
	Glove Box and Fuse Lights	12 V - 5 W		
	Ceiling Lights	12 V - 8 W		
	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		
	Daytime Running Lights	12 V - 0.91 W, LED		
	High Mount Brake Light	12 V - 32 CP LED		
				NSX NSX-T
				Canada model only