

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		90.0 × 78.0 mm	3.54 × 3.07 in	
	Displacement		2,977 cm ³ (cc)	181.6 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/NIPPONDENSO		
	Normal Output		1.6 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	Double plates dry, diaphragm spring		
		A/T	Torque converter		
TRANSMISSION	Clutch Lining Area	M/T	292 cm ²	45.3 sq in	
	Transmission	M/T	Synchronized 5-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	3.071	2.611	
		2nd	1.800	1.551	
		3rd	1.230	1.025	
		4th	0.967	0.684	
		5th	0.771	—	
		Reverse	3.186	1.909	
	Final Reduction	Gear type	Single helical gear		
		Gear ratio	4.062	4.428	

	ITEM	METRIC	ENGLISH	NOTES
AIR CONDI- TIONING	Cooling Capacity — Conditions: Compressor RPM Outside Air Temperature Outside Air Humidity Condenser Air Temperature Condenser Air Velocity Blower Capacity	4,000 Kcal/h 1,800 rpm 27 °C 50 % 35 °C 4.5 m/sec 420 m ³ /h	15,872 BTU/h 81 °F 95 °F 14.8 ft/sec 15,540 cu-ft/h	at 12 V
	Compressor Type/Make No. of Cylinders Capacity Max. Speed Lubricant Capacity	Swash-plate type/NIPPONDENSO 10 155.3 cc/rev 7,600 rpm 140 cc	9.47 cu-in/rev 4.7 US oz, 4.9 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 m ³ /h 16,247 cu-ft/h		at 13.5 V
	Temp. control	Air-mix type		
	Compressor Type clutch Power Consumption	Dry, single plate, V-belt drive 40 W/12 V		
	Refrigerant Type Quantity	HFC-134a (R-134a) 850 ⁺⁰ ₋₅₀ g 30.0 ^{+1.8} _{-1.8} 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 com- pliance pivot, coil spring with stabilizer Independent double wishbone, coil spring with stabilizer Telescopic, hydraulic nitrogen gas-filled		

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(Cont'd)

	ITEM	METRIC	ENGLISH	NOTES
WHEEL ALIGNMENT	Camber	Front	-0° 20'	
	Caster	Rear	-1° 30'	
	Toe	Front	8°	
		Rear	Out 3.5 mm In 4.0 mm	Out 0.14 in In 0.16 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 Kind and Type	Mechanical expanding, rear two wheel brakes		
TIRE	Size	Front: 215/45 ZR 16 Rear: 245/40 ZR 17 165/80 D 15 (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-60 W, 51 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		
	Foot Well Light	12 V-3.4 W		
	Illumination and Indicator Lights	12 V-1.4 W, 0.84 W		
	Day Time Running Lights	12 V-0.91 W, LED		
	High Mount Brake Light	LED		
				NSX NSX-T
				Canada model only

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