

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 Seating Capacity	135 mm	5.3 in	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 Cylinder Arrangement Bore and Stroke Displacement Compression Ratio Valve Train Lubrication System Fuel Required	Water cooled, 4-stroke DOHC VTEC gasoline engine 90° V6-cylinder, transverse 90.0 × 78.0 mm 3.54 × 3.07 in 2,977 cm ³ (cc) 181.6 cu in 10.2 Belt driven DOHC Forced and wet sump Premium UNLEADED grade gasoline with 91 Pump Octane Number or higher		
STARTER	Type/Make Normal Output Nominal Voltage Hour Rating Direction of Rotation Weight	Gear reduction/NIPPONDENSO 1.6 kW 12 V 30 seconds Counterclockwise as viewed from gear end 4.75 kg 10.47 lbs		
CLUTCH	Clutch Clutch Lining Area	M/T A/T M/T	Double plates dry, diaphragm spring Torque converter 292 cm ² 45.3 sq in	
TRANSMISSION	Transmission	M/T A/T	Synchronized 5-speed forward 1 reverse Electronically controlled 4-speed forward automatic; 1 reverse Direct 1 : 1	
	Primary Reduction			
	Type		Manual	Automatic
	Gear Ratio	1st 2nd 3rd 4th 5th Reverse	3.071 1.800 1.230 0.967 0.771 3.186	2.611 1.551 1.025 0.684 — 1.909
	Final Reduction	Gear type Gear ratio	Single helical gear 4.062 4.428	

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AIR CONDI- TIONING	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 m ³ /h	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	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 clutch	Type Power Consumption	Dry, single plate, V-belt drive 40 W/12 V	
	Refrigerant	Type Quantity	HFC-134a (R-134a) 850 [±] ₅₀ g 30.0 [±] _{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 compliance pivot, coil spring with stabilizer Independent double wishbone, coil spring with stabilizer Telescopic, hydraulic nitrogen gas-filled		

Design Specification

(Cont'd)

	ITEM	METRIC	ENGLISH	NOTES
WHEEL ALIGNMENT	Camber Front Rear Caster Toe Front Rear	-0° 20' -1° 30' 8° Out 3.5 mm In 4.0 mm	Out 0.14 in In 0.16 in	
BRAKE SYSTEM	Type, Front and Rear 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 16 Rear: 245/40 ZR 17 165/80 D 15 (Folding spare tire)		
ELECTRICAL	Battery Starter Alternator Fuses In the Under-dash Fuse Box In the Under-hood Fuse/Relay Box In the Engine Compartment Fuse/Relay Box Headlights, High, Low Front Turn Signal Lights Front Parking Lights Rear Turn Signal Lights Brake/Tailights Tailights Front Side Marker Lights Rear Side Marker Lights Back-up Lights License Plate Lights Gauge Lights Indicator Lights Glove Box and Fuse Lights Ceiling Lights Trunk Lights Door Courtesy Lights Foot Well Light Illumination and Indicator Lights Day Time Running Lights High Mount Brake Light	M/T: 12 V-52AH/5HR A/T: 12 V-55AH/5HR 12 V-1.4 kW 12 V-120 A 7.5 A, 10 A, 15 A 7.5 A, 10 A, 15 A, 20 A, 30 A, 40 A, 50 A 10 A, 20 A, 30 A, 40 A, 120 A 12 V-60 W, 51 W 12 V-45 CP 12 V-5 W 12 V-45 CP 12 V-32/2 CP 12 V-2 CP 12 V-3 CP 12 V-3 CP 12 V-32 CP 12 V-8 W 12 V-3.0 W, 1.4 W 12 V-1.4 W, 1.96 W 12 V-3.4 W 12 V-5 W 12 V-8 W 12 V-3.4 W 12 V-3.4 W 12 V-3.4 W 12 V-1.4 W, 0.84 W 12 V-0.91 W, LED 12 V-32 CP LED		NSX NSX-T Canada model only