

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				
Weight		4.75 kg	10.47 lbs			
CLUTCH	Clutch	M/T	Double plates dry, diaphragm spring Torque converter			
	Clutch Lining Area	A/T	292 cm ²	45.3 sq in		
TRANSMISSION	Transmission	M/T	Synchronized 5-speed forward 1 reverse			
		A/T	Electronically controlled			
	Primary Reduction		4-speed forward automatic; 1 reverse			
	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		

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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		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 clutch	Type Power Consumption		Dry, single plate, poly-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	-0° 20'	
		Rear	-1° 30'	
	Caster		8°	
	Toe	Front	Out 3.5 mm	Out 0.14 in
		Rear	In 4.0 mm	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 Fuse/Relay Box	10 A, 20 A, 30 A, 40 A, 120 A		
	Headlights, High, Low	12 V-60 W, 51 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/Tailights	12 V-32/2 CP		
	Tailights	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 12 V-8 W		NSX NSX-T
	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 12 V-0.91 W, LED			
Day Time Running Lights	12 V-32 CP		Canada model only	
High Mount Brake Light	LED			