

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	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 cm ³ (cc)	194 cu in	
		C30A1 engine	2,977 cm ³ (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		1.4 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		
	Clutch Lining Area	M/T	239 cm ²	37.0 sq in	
TRANSMISSION	Transmission	M/T A/T	Synchronized 6 speed forward 1 reverse		
			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 — Conditions: Compressor RPM Outside Air Temperature Outside Air Humidity Condenser Air Temperature Condenser Air Velocity Blower Capacity		4,000 Kcal/h 27°C 35°C 4.5 m/sec 420 m³/h	15,872 BTU/h 1,800 rpm 81°F 50% 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/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 \pm 50 g 30.0 \pm 0.8 oz		
STEERING SYSTEM	Type Overall Ratio Turns, Lock-to-Lock Steering Wheel Dia.	Type S Except Type S Type S Except Type S	Rack and pinion Electric, power assisted, rack and pinion 20.8 (18.2 – 20.8) (Manual variable) 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 Rear Caster Toe Front Rear	-0°20' (Except Type S) -2°00' (Type S) -1°30' (Except Type S) -0°30' (Type S) 8° (Except Type S) 8°14' (Type S) Out 3.5 mm In 4.0 mm	Out 0.14 in In 3/16 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 16 (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 Footwell Light Illumination and Indicator Lights Daytime Running Lights High Mount Brake Light	12 V - 36AH/5HR 12 V - 52AH/5HR 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 - 65 W, 55 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 - 5 W 12 V - 1.4 W, 0.84 W 12 V - 0.91 W, LED 12 V - 32 CP LED		Type S M/T (Except Type S) A/T NSX NSX-T Canada model only