

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 C30A1 engine	93.0 x 78.0 mm 90.0 x 78.0 mm	3.66 x 3.07 in 3.54 x 3.07 in
	Displacement	C32B1 engine C30A1 engine	3,179 cm ³ (cc) 2,977 cm ³ (cc)	194 cu in 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		
CLUTCH	Weight	4.75 kg	10.47 lbs	
	Clutch	M/T A/T	Single plate dry, diaphragm spring Torque converter	
	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 Gear ratio	Single helical gear 4.062	4.428

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AIR CONDITIONING	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 m³/h	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 $\pm$ 1.8 oz
STEERING SYSTEM	Type	Type S Except Type S	Rack and pinion		
	Overall Ratio	Type S Except Type S	Electric, power assisted, rack and pinion 20.8 (18.2 – 20.8) (Manual variable) 18.6 (Power steering)		
	Turns, Lock-to-Lock Steering Wheel Dia.		3.24 368 mm	14.5 in	
SUSPENSION	Type, Front		Independent double wishbone with compliance pivot, coil spring with stabilizer		
	Type, Rear		Independent double wishbone, coil spring with stabilizer		
	Shock Absorber, Front and Rear		Telescopic, hydraulic nitrogen gas-filled		

	ITEM	METRIC	ENGLISH	NOTES
WHEEL ALIGNMENT	Camber	Front	-0°20' (Except Type S)	
		Rear	-0°30' (Type S)	
	Caster		-1°30' (Except Type S)	
	Toe	Front	-2°00' (Type S)	
		Rear	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	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 16 (Folding spare tire)		
ELECTRICAL	Battery	12 V - 36AH/5HR 12 V - 52AH/5HR 12 V - 55AH/5HR 12 V - 1.4 kW 12 V - 120 A		Type S M/T (Except Type S) A/T
	Starter			
	Alternator			
	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 - 65 W, 55 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		
	Footwell Light	12 V - 5 W		
	Illumination and Indicator Lights	12 V - 1.4 W, 0.84 W 12 V - 0.91 W, LED		
	Daytime Running Lights	12 V - 32 CP		Canada model only
	High Mount Brake Light	LED		