## Technical Specifications

### ENGINE:

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type</td>
<td>V8 spark-ignition, two-stage variable intake manifold</td>
</tr>
<tr>
<td>Arrangement</td>
<td>Front mounted, longitudinal</td>
</tr>
<tr>
<td>Bore</td>
<td>3.33 in. 84.5 mm</td>
</tr>
<tr>
<td>Stroke</td>
<td>3.65 in. 92.8 mm</td>
</tr>
<tr>
<td>Displacement</td>
<td>254.04 cu. in. 4163 cc</td>
</tr>
<tr>
<td>Compression ratio</td>
<td>11.0:1</td>
</tr>
<tr>
<td>Fuel requirement</td>
<td>Premium unleaded (91 AKI), Premium unleaded Plus (95 AKI) recommended for maximum performance</td>
</tr>
<tr>
<td>Horsepower (SAE)</td>
<td>335 hp @ 6600 rpm</td>
</tr>
<tr>
<td>Max. Torque</td>
<td>310 lbs. ft. @ 3500 rpm</td>
</tr>
</tbody>
</table>

### ENGINE DESIGN:

- **Cylinder block**: Aluminum alloy
- **Crankshaft**: Forged Steel
- **Cylinder head**: Aluminum alloy
- **Valve train / intake**: Two-stage variable intake manifold, DOHC intake camshaft with continuous adjustment/5 valves per cylinder
- **Firing order**: 1-5-4-8-6-3-7-2
- **Cooling system**: Water-cooled, thermostatically controlled radiator fans
- **Lubrication system**: Gear pump, pressurized, full flow with oil cooler
- **Fuel injection**: Fully electronic sequential injection, coordinated torque control, hot film air mass measurement, drive-by-wire throttle control
- **Ignition system**: Mapped ignition with solid-state high voltage distribution, adaptive lambda control
- **Emission system**: Two close-coupled ceramic main catalytic converters, lambda control, secondary air system

### ELECTRICAL SYSTEM:

- **Battery**: 12 volts 110 amp/hr
- **Alternator**: 14 volts 190 amp

### DRIVETRAIN:

- **Transmission**: Six-speed automatic with Tiptronic®, Dynamic Shift Program, automatic shift lock and new "Sport-mode" setting
- **Type**: quattro®
- **Gear ratios**:
  - 1st: 4.171 : 1
  - 2nd: 2.340 : 1
  - 3rd: 1.521 : 1
  - 4th: 1.143 : 1
  - 5th: 0.867 : 1
  - 6th: 0.691 : 1
  - Reverse: 3.403 : 1
  - Final Drive: 3.308 : 1
- **Front Differential**: Hypoid gear, electronically locking (EDL)
- **Center Differential**: TORSEN® (TORque SENsing) differential providing automatic and variable front to rear power proportioning
- **Rear Differential**: Hypoid gear, electronically locking (EDL)

### STEERING:

- **Type**: Vehicle speed-sensing power rack and pinion
- **Ratio**: 14.6 : 1
- **TURNS (lock-to-lock)**: 2.49
- **Tuning circle (curb-to-curb)**: 39 ft. 11.9 m

### SUSPENSION:

- **Front**: Four-link suspension, anti-roll bar, twin-tube gas-filled shock absorbers
- **Rear**: Trapezoidal-link, twin tube gas-filled shock absorbers

### BRAKES:

- **Service brake**: Electronic stability program (ESP®) with anti-lock brake, electronic rear brake pressure proportioning, vacuum power assist, asbestos free linings, dual diagonal circuits
- **Front, size and type**: 13.66 in. 347 mm - Ventilated disc 30 mm thick
- **Rear, size and type**: 12.99 in. 330 mm - Ventilated disc 22 mm thick
- **Parking brake**: Electro-mechanical parking brake rear, operated by switch on console pull on / push off
### Technical Specifications (continued)

#### WHEELS:
- Size: 7.5J x 17, cast alloy, 16-spoke design
- Size: 8J x 18, cast alloy, 7-arm design highly polished (Optional)
- Size: 8J x 18, cast alloy, 5-arm design, quattro GmbH S line package (optional)

#### TIRES:
- Size: 245 / 45 R17 all season
- Size: 245 / 40 R18 all season or high performance (optional)

#### BODY:
- Material: Unitary steel body, fully galvanized, aluminum hood and fenders
- Corrosion protection: Multi-step anti-corrosion protection

#### CAPACITIES:
- Engine oil: 9.3 qt, 8.8 liter
- Fuel tank: 21.1 gal, 80 liter
- Cooling system: 12.6 qt, 12 liter
- Oil capacity is listed is fluid capacity (from aesis).

#### EXTERIOR DIMENSIONS:
- Wheelbase: 111.9 in, 2843 mm
- Track: front / rear 63.5 in / 1612 mm / 63.7 in / 1618 mm
- Overall length: 193.5 in / 4916 mm
- Overall width: 79.2 in / 2012 mm (with outside mirrors folded = 73” or 1855mm)
- Height (unloaded): 57.4 in / 1459 mm
- Ground clearance (loaded): 4.6 in, 118 mm
- Curb weight: automatic 4145 lbs, 1880 kg
- Distribution: % front / rear 57.7 / 42.3

#### INTERIOR DIMENSIONS:
- Seating Capacity: 5
- EPA class: Mid-size
- Head room: front / rear 38.6 in / 982 mm / 37.76 in / 959 mm
- w/sunroof: front / rear 37.48 in / 952 mm / 37.8 in / 960 mm
- Shoulder room: front / rear 57.09 in / 1450 mm / 55.94 in / 1421 mm
- Leg room: front / rear 41.3 in / 1050 mm / 36.9 in / 938 mm
- Luggage capacity (EPA): 15.9 cu. ft (quattro)

#### PERFORMANCE:
- quattro®
- Automatic
- 0-50 mph (0-80kmh): 4.6 sec
- 0-60 mph (0-100 kmh): 6.0 sec
- 1/4 mile: 14.5 sec
- Top speed: Top speed is electronically limited to 130 mph (209 kmh) for North America

#### FUEL ECONOMY:
- EPA estimate
  - Automatic
    - City: 17 mpg
    - Highway: 23 mpg
    - Combined: 20 mpg
  - Canadian estimate
    - Automatic
      - City: 13.6 l/100km
      - Highway: 9.3 l/100km
      - Combined: n/a l/100km