

2018 RAM 1500
SPECIFICATIONS

2018 Ram 1500
SPECIFICATIONS

*Specifications are based on the latest product information available at the time of publication.
 All dimensions are in inches (millimeters) unless otherwise noted.
 All dimensions measured at curb weight with standard tires and wheels.*

GENERAL INFORMATION

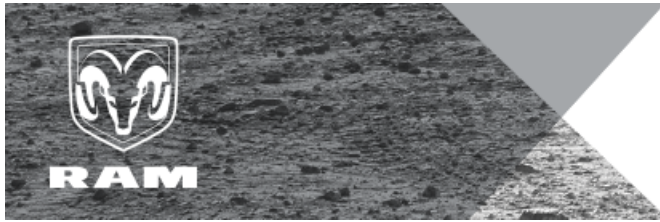
| | |
|-------------------|---|
| Vehicle Type | Regular Cab, Quad Cab and Crew Cab, 2WD, 4WD |
| Assembly Plant | Regular Cab: Saltillo Truck Assembly, Coahuila, Mexico Quad Cab: Warren Truck Assembly Plant, Warren, Michigan Crew Cab: Warren Truck Assembly Plant, Warren, Michigan, and Saltillo Truck Assembly, Coahuila, Mexico |
| EPA Vehicle Class | Standard Pickup |

BODY/CHASSIS

| | |
|--------------|--|
| Layout | 2WD — Longitudinal, front engine 4WD — Longitudinal, front engine, transfer case |
| Construction | 2WD — Ladder-type frame, steel cab, double-wall steel pickup box 4WD — Ladder-type frame, steel cab, double-wall steel pickup box |

ENGINE: 3.6-LITER PENTASTAR V-6

| | |
|---------------------------------|---|
| Type and Description | 60-degree V-type, liquid-cooled |
| Displacement | 220 cu. in. (3,604 cu. cm) |
| Bore x Stroke | 3.78 x 3.27 (96.0 x 83.0) |
| Valve System | Chain-driven DOHC, 24 valves and hydraulic end-pivot roller rockers |
| Fuel Injection | Sequential, multiport, electronic, returnless |
| Construction | Aluminum deep-skirt block, aluminum alloy heads |
| Compression Ratio | 10.2:1 |
| Power | 305 hp (224 kW) at 6,400 rpm |
| Torque | 269 lb.-ft. (364 N•m) at 4,175 rpm |
| Max. Engine Speed | 6,400 rpm (electronically limited) |
| Fuel Requirement | Unleaded regular, 87 octane (R+M)/2, E85-compatible |
| Oil Capacity | 6.0 quarts (5.7 liters) |
| Coolant Capacity | 14.0 quarts (13.25 liters) |
| Emission Controls | Dual three-way catalytic converters, heated oxygen sensors |
| EPA Fuel Economy mpg (city/hwy) | 18/25 |



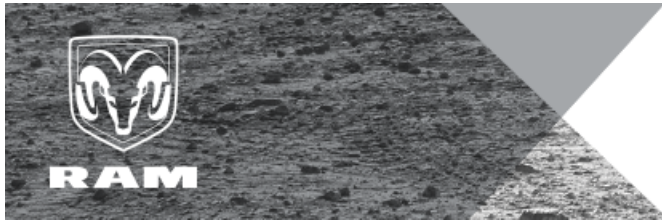
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ENGINE: 3.0-LITER ECODIESEL V-6

| | |
|---------------------------------|---|
| Type and Description | 60-degree V-type, liquid-cooled |
| Displacement | 182 cu. in. (2,988 cu. cm) |
| Bore x Stroke | 3.27 x 3.60 (83 x 92) |
| Valve System | Chain-driven DOHC, 24 valves |
| Fuel Injection | Common-rail, 2,000 bar, solenoid injectors |
| Construction | Cast-iron block, aluminum alloy heads |
| Compression Ratio | 16.5:1 |
| Power | 240 hp (179 kW) at 3,600 rpm |
| Torque | 420 lb.-ft. (569 N•m) at 2,000 rpm |
| Max. Engine Speed | 4,800 rpm (electronically limited) |
| Fuel Requirement | Ultra-low sulfur diesel |
| Oil Capacity | 10.5 quarts (10 liters) |
| Coolant Capacity | 12 quarts (11.4 liters) |
| Emission Controls | Cooled EGR, oxidation catalyst, diesel particulate filter, SCR w/urea injection |
| EPA Fuel Economy mpg (city/hwy) | 21/29 |

ENGINE: 5.7-LITER HEMI® V-8

| | |
|---------------------------------|---|
| Type and Description | 90-degree V-8, liquid-cooled |
| Displacement | 345 cu. in. (5,654 cu. cm) |
| Bore x Stroke | 3.92 x 3.58 (99.5 x 90.9) |
| Valve System | Variable-cam timing, pushrod-operated overhead valves, 16 valves, hydraulic lifters with roller followers |
| Fuel Injection | Sequential, multiport, electronic, returnless |
| Construction | Deep-skirt cast-iron block with cross-bolted main bearing caps, aluminum alloy heads with hemispherical combustion chambers |
| Compression Ratio | 10.5:1 |
| Power | 395 hp (291 kW) @ 5,600 rpm |
| Torque | 410 lb.-ft. (556 N•m) @ 3,950 rpm |
| Max. Engine Speed | 5,800 rpm |
| Fuel Requirement | Unleaded mid-grade, 89 octane (R+M)/2 — recommended Unleaded regular, 87 octane (R+M)/2 — acceptable |
| Oil Capacity | 7.0 quarts (6.6 liters) |
| Coolant Capacity | 14.0 quarts (13.33 liters) |
| Emission Controls | Three-way catalytic converters, heated oxygen sensors and internal engine features |
| EPA Fuel Economy mpg (city/hwy) | 15/22 |



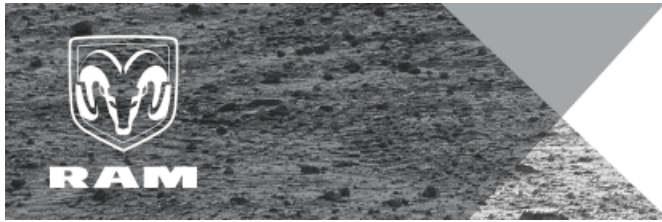
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TRANSMISSION: TORQUEFLITE 845RE EIGHT-SPEED AUTOMATIC

| | |
|--------------------|---|
| Availability | Standard with 3.6-liter Pentastar V-6 |
| Description | Adaptive electronic control, automatic or Electronic Range Select (ERS) manual control. Five clutch-pack design with only two open clutches in any gear. Torque converter lock with turbine torsional damper for low lock-up speeds in 1st through 8th gear |
| Gear Ratios | |
| 1st | 4.71 |
| 2nd | 3.14 |
| 3rd | 2.10 |
| 4th | 1.67 |
| 5th | 1.29 |
| 6th | 1.00 |
| 7th | 0.84 |
| 8th | 0.67 |
| Reverse | 3.30 |
| Axle Ratios | 3.21, 3.55, 3.92 (Rebel only) |

TRANSMISSION: TORQUEFLITE 8HP70 EIGHT-SPEED AUTOMATIC

| | |
|--------------------|---|
| Availability | Standard with 3.0-liter EcoDiesel V-6 and select 5.7-liter HEMI V-8 equipped trucks |
| Description | Adaptive electronic control, automatic or ERS manual control. Five clutch-pack design with only two open clutches in any gear. Torque converter lock with turbine torsional damper for low lock-up speeds in 1st through 8th gear |
| Gear Ratios | |
| 1st | 4.71 |
| 2nd | 3.14 |
| 3rd | 2.10 |
| 4th | 1.67 |
| 5th | 1.29 |
| 6th | 1.00 |
| 7th | 0.84 |
| 8th | 0.67 |
| Reverse | 3.30 |
| Axle Ratios | 3.21 (excluding 3.0-liter EcoDiesel V-6), 3.55 (excluding 5.7-liter HEMI V-8), 3.92 |



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TRANSFER CASE: BW 44-45 PART-TIME

| | |
|--------------------------|--|
| Availability | 3.6-liter Pentastar V-6 4x4 and 5.7-liter HEMI V-8 4x4 |
| Shift Mechanism | Electric |
| Available Speeds | Two-speed |
| Operating Modes | 2WD High; 4WD High, Locked; Neutral; 4WD Low, Locked |
| Low-range Ratio | 2.64 |
| Center Differential Type | None |

TRANSFER CASE: BW 44-44 ON-DEMAND

| | |
|--------------------------|--|
| Availability | 3.0-liter EcoDiesel V-6 4x4 and 5.7-liter HEMI V-8 4x4 |
| Shift Mechanism | Electric |
| Available Speeds | Two-speed |
| Operating Modes | 2WD High; 4WD Auto; 4WD High, Locked; Neutral; 4WD Low, Locked |
| Low-range Ratio | 2.64 |
| Center Differential Type | None |

AXLES

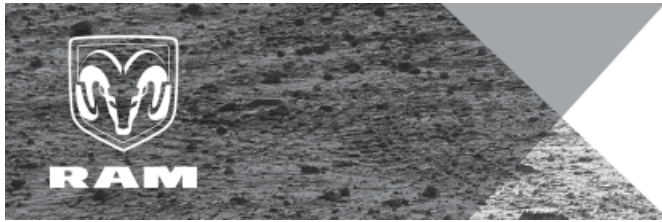
| | |
|------------------|----------------------------------|
| Front | ZF 215 mm |
| Rear | C235 mm (available limited slip) |
| Available Ratios | 3.21, 3.55, 3.92 |

ELECTRICAL SYSTEM

| | |
|--------------|---|
| Architecture | Powernet |
| Alternator | 160-amp, 180-amp, 220-amp (Special Services Package) 230-amp (3.0-liter EcoDiesel V-6) |
| Battery | Group 94R, low-maintenance H7 730 CCA (3.6-liter Pentastar V-6 and 5.7-liter HEMI V-8), Group 49, H8 800 CCA absorbed glass mat (3.0-liter EcoDiesel V-6) |

SUSPENSION

| | |
|-------|---|
| Front | Upper and lower A-arms, coil springs, twin-tube shock absorbers, stabilizer bar. Optional air suspension replaces twin-tube shock absorbers and coil springs. Rebel features Bilstein monotube shocks with air suspension |
| Rear | Five-link with track bar, coil springs, stabilizer bar, twin-tube shock absorbers, solid axle. Optional air suspension replaces twin-tube shock absorbers and coil springs. Rebel features Bilstein monotube shocks with air suspension |



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BRAKES

| | |
|---------------|---|
| Front | |
| Size and Type | 13.2 x 1.1 (336 x 28) vented disc with 2.13 (54) two-piston pin-slider caliper and anti-lock braking system (ABS) |
| Swept Area | 292 sq. in. (1,884 sq. cm) |
| Rear | |
| Size and Type | 13.8 x 0.87 (352 x 22) disc with 2.13 (54) single-piston pin-slider caliper and ABS |
| Swept Area | 274 sq. in. (1,768 sq. cm) |
| Power-assist | Dual-rate, tandem diaphragm vacuum |

AIR BAGS

| | |
|-------------|---|
| Regular Cab | 6 |
| Quad Cab | 6 |
| Crew Cab | 6 |

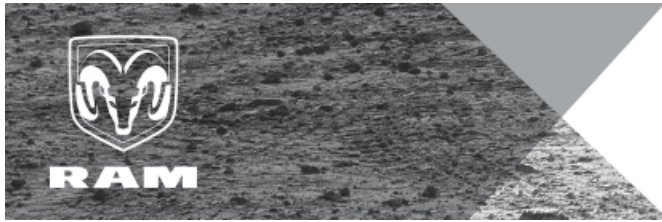
STEERING

Power-assist

DIMENSIONS AND CAPACITIES

| Regular Cab Pickup | 2WD | 2WD | 4WD | 4WD |
|--|---------------|-----------------|---------------|-----------------|
| Box Length | 6-ft. 4-in. | 8-ft. | 6-ft. 4-in. | 8-ft. |
| Wheelbase (nominal) | 120.5 (3,061) | 140.5 (3,569.2) | 120.5 (3,061) | 140.5 (3,569.2) |
| Overall Steering Ratio | 19.1:1 | 17.9:1 | 19.1:1 | 17.9:1 |
| Steering Wheel Turns (lock-to-lock) | 3.5 | 3.3 | 3.5 | 3.3 |
| Turning Diameter – 17-in. tire -ft. (m) | 39.5 (12.0) | 45.1 (13.7) | 39.8 (12.1) | 45.4 (13.8) |
| Turning Diameter – 20-in. tire - ft. (m) | 39.3 (12.0) | 44.9 (13.7) | 39.8 (12.1) | 45.5 (13.9) |

| Quad Cab Pickup | 2WD | 4WD |
|--|-----------------|-----------------|
| Box Length | 6-ft. 4-in. | 6-ft. 4-in. |
| Wheelbase (nominal) | 140.5 (3,569.2) | 140.5 (3,569.2) |
| Overall Steering Ratio | 17.9:1 | 17.9:1 |
| Steering Wheel Turns (lock-to-lock) | 3.3 | 3.3 |
| Turning Diameter – 17-in. tire -ft. (m) | 45.1 (13.7) | 45.4 (13.8) |
| Turning Diameter – 20-in. tire - ft. (m) | 44.9 (13.7) | 45.5 (13.9) |



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| Crew Cab Pickup | 2WD | 2WD | 4WD | 4WD |
|--|-----------------|-----------------|-----------------|-----------------|
| Box Length | 5-ft. 7-in. | 6-ft. 4-in. | 5-ft. 7-in. | 6-ft. 4-in. |
| Wheelbase (nominal) | 140.5 (3,569.2) | 149.5 (3,797.3) | 140.5 (3,569.2) | 149.5 (3,797.3) |
| Overall Steering Ratio | 19.1:1 | 17.9:1 | 19.1:1 | 17.9:1 |
| Steering Wheel Turns (lock-to-lock) | 3.5 | 3.3 | 3.5 | 3.3 |
| Turning Diameter – 17-in. tire -ft. (m) | 39.5 (12.0) | 45.1 (13.7) | 39.8 (12.1) | 45.4 (13.8) |
| Turning Diameter – 20-in. tire - ft. (m) | 39.3 (12.0) | 44.9 (13.7) | 39.8 (12.1) | 45.5 (13.9) |

Cargo Box

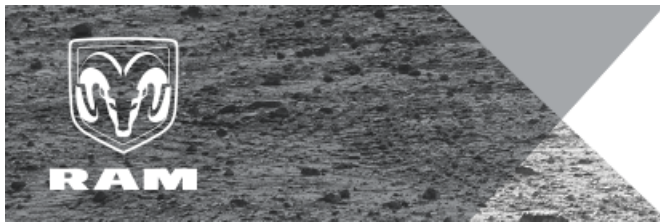
| Nominal Box Size | 5-ft. 7-in. (Crew) | 6-ft. 4-in. (Regular, Quad or Crew) | 8-ft. (Regular) |
|----------------------------------|---------------------------|--|------------------------|
| SAE volume, cu. ft. (cu. m) | 50.3 (1.4) | 57.5 (1.6) | 74.7 (2.1) |
| Length at Floor, Tailgate Closed | 67.4 (1,712.4) | 76.3 (1,938.5) | 98.3 (2,496.5) |
| Cargo Width | 66.4 (1,686.9) | 66.4 (1,686.9) | 66.4 (1,686.9) |
| Distance Between Wheelhouses | 51 (1,295.4) | 51 (1,295.4) | 51 (1,295.4) |
| Depth | 20.0 (508.6) | 20.1 (511.1) | 20.2 (513.0) |
| Tailgate Opening Width | 60.4 (1,535.3) | 60.4 (1,535.3) | 60.4 (1,535.3) |

Regular Cab Pickup

| Model – Tire Size | 2WD –265/70R17 | | 4WD –265/70R17 | |
|--------------------------|-----------------------|-----------------|-----------------------|-----------------|
| | 6-ft. 4-in. | 8-ft. | 6-ft. 4-in. | 8-ft. |
| Box Length | | | | |
| Wheelbase | 120.5 (3,061.2) | 140.5 (3,569.2) | 120.5 (3,062.5) | 140.5 (3,570.2) |
| Track, Front | 68.0 (1,728.2) | 68.0 (1,728.2) | 68.2 (1,732.3) | 68.2 (1,732.3) |
| Track, Rear | 67.5 (1,714.7) | 67.5 (1,714.7) | 67.5 (1,714.7) | 67.5 (1,714.7) |
| Overall Length | 209.0 (5,308.5) | 231.0 (5,866.5) | 209.0 (5,308.5) | 231.0 (5,866.5) |
| Overall Width | 79.4 (2,017.4) | 79.4 (2,017.4) | 79.4 (2,017.4) | 79.4 (2,017.4) |
| Overall Height | 74.6 (1,894.2) | 74.4 (1,889.2) | 75.2 (1,910.4) | 75.0 (1,906.2) |

Ground Clearance

| | | | | |
|---------------------------|--------------|--------------|--------------|--------------|
| Front Axle | 9.0 (229.3) | 9.0 (229.2) | 9.2 (232.6) | 9.2 (232.7) |
| Rear Axle | 8.7 (221.2) | 8.7 (221.5) | 8.6 (219.2) | 8.6 (219.5) |
| Open Tailgate to Ground | 34.8 (883.4) | 34.6 (878.3) | 35.0 (889.6) | 34.9 (885.3) |
| Pickup Body Height | 20.1 (511.1) | 20.2 (513.0) | 20.1 (511.1) | 20.2 (513.0) |
| Approach Angle (degrees) | 15.6 | 15.7 | 17.7 | 17.8 |
| Departure Angle (degrees) | 25.2 | 24.1 | 25.6 | 24.4 |



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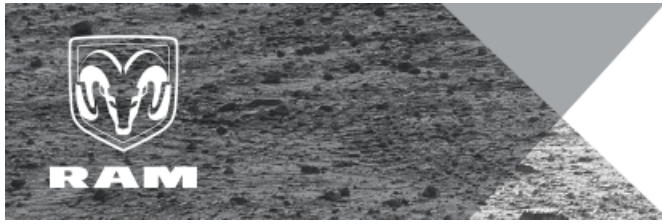
Quad Cab 6-ft. 4-in. Box Pickup - Air Suspension 4x2 and 4x4

| <i>Tire Size</i> | | <i>275/60R20</i> | | |
|------------------------|---------------------|---------------------------|-------------------|-------------------|
| Suspension Mode | Entry / Exit | Normal Ride Height | Off Road 1 | Off Road 2 |
| Wheelbase (nominal) | 140.5 (3,569.4) | 140.5 (3,569.4) | 140.5 (3,569.4) | 140.5 (3,569.4) |
| Track, Front | 68.6 (1,742.2) | 68.6 (1,742.2) | 68.6 (1,742.2) | 68.6 (1,742.2) |
| Track, Rear | 68.0 (1,727.4) | 68.0 (1,727.4) | 68.0 (1,727.4) | 68.0 (1,727.4) |
| Overall Length | 229.0 (5,816.5) | 229.0 (5,816.5) | 229.0 (5,816.5) | 229.0 (5,816.5) |
| Overall Width | 79.4 (2,017.4) | 79.4 (2,017.4) | 79.4 (2,017.4) | 79.4 (2,017.4) |

| <i>Tire Size</i> | | <i>275/60R20</i> | | |
|-------------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|
| Suspension Mode | Entry / Exit | Normal Ride Height | Off Road 1 | Off Road 2 |
| Overall Height | 75.8 (1,924.4) | 77.8 (1,977.4) | 78.8 (2,002.0) | 79.9 (2,028.4) |
| Ground Clearance | | | | |
| Front Axle | 9.8 (248.5) | 9.8 (248.5) | 9.8 (248.5) | 9.8 (248.5) |
| Rear Axle | 9.3 (235.0) | 9.3 (235.0) | 9.3 (235.0) | 9.3 (235.0) |
| Open Tailgate to Ground | 33.4 (847.2) | 34.9 (885.7) | 35.6 (904.1) | 36.9 (936.7) |
| Pickup Body Height | 20.0 (508.6) | 20.0 (508.6) | 20.0 (508.6) | 20.0 (508.6) |
| Approach Angle (degrees) | 15.2 | 19.8 | 22.4 | 23.9 |
| Departure Angle (degrees) | 23.7 | 25.5 | 26.4 | 27.8 |
| Ramp Breakover Angle (degrees) | 17.1 | 20.6 | 22.5 | 24.2 |
| Ground Clearance without Skid Plate | 7.4 (187.2) | 9.4 (239.8) | 10.6 (269.5) | 11.4 (290.8) |
| Ground Clearance with Ski Plate | 6.7 (169.3) | 8.8 (222.8) | 9.9 (252.8) | 10.8 (273.7) |
| Fuel-Tank Capacity | 26-gal. (98-liter) (standard) | 26-gal. (98-liter) (standard) | 26-gal. (98-liter) (standard) | 26-gal. (98-liter) (standard) |
| | 32-gal. (121-liter) (optional) | 32-gal. (121-liter) (optional) | 32-gal. (121-liter) (optional) | 32-gal. (121-liter) (optional) |

Crew Cab 5-ft. 7-in. Box Pickup - Air Suspension 4x2 and 4x4

| <i>Tire Size</i> | | <i>275/60R20</i> | | |
|------------------------|---------------------|---------------------------|-------------------|-------------------|
| Suspension Mode | Entry / Exit | Normal Ride Height | Off Road 1 | Off Road 2 |
| Wheelbase (nominal) | 140.5 (3,569.4) | 140.5 (3,569.4) | 140.5 (3,569.4) | 140.5 (3,569.4) |
| Track, Front | 68.6 (1,742.2) | 68.6 (1,742.2) | 68.6 (1,742.2) | 68.6 (1,742.2) |
| Track, Rear | 68.0 (1,727.4) | 68.0 (1,727.4) | 68.0 (1,727.4) | 68.0 (1,727.4) |
| Overall Length | 229.0 (5,816.5) | 229.0 (5,816.5) | 229.0 (5,816.5) | 229.0 (5,816.5) |
| Overall Width | 79.4 (2,017.4) | 79.4 (2,017.4) | 79.4 (2,017.4) | 79.4 (2,017.4) |
| Overall Height | 75.5 (1,917.4) | 77.6 (1,970.4) | 78.5 (1,994.5) | 79.6 (2,021.4) |



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Ground Clearance

| | | | | |
|-------------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|
| Front Axle | 9.8 (248.5) | 9.8 (248.5) | 9.8 (248.5) | 9.8 (248.5) |
| Rear Axle | 9.3 (235.0) | 9.3 (235.0) | 9.3 (235.0) | 9.3 (235.0) |
| Open Tailgate to Ground | 33.4 (847.2) | 34.9 (885.7) | 35.6 (904.1) | 36.9 (936.7) |
| Pickup Body Height | 20.0 (508.6) | 20.0 (508.6) | 20.0 (508.6) | 20.0 (508.6) |
| Approach Angle (degrees) | 15.2 | 19.8 | 22.4 | 23.9 |
| Departure Angle (degrees) | 23.7 | 25.5 | 26.4 | 27.8 |
| Ramp Breakover Angle (degrees) | 17.1 | 20.6 | 22.5 | 24.2 |
| Ground Clearance without Skid Plate | 7.4 (187.2) | 9.4 (239.8) | 10.6 (269.5) | 11.4 (290.8) |
| Ground Clearance with Skid Plate | 6.7 (169.3) | 8.8 (222.8) | 9.9 (252.8) | 10.8 (273.7) |
| Fuel-Tank Capacity | 26-gal. (98-liter) (standard) | 26-gal. (98-liter) (standard) | 26-gal. (98-liter) (standard) | 26-gal. (98-liter) (standard) |
| | 32-gal. (121-liter) (optional) | 32-gal. (121-liter) (optional) | 32-gal. (121-liter) (optional) | 32-gal. (121-liter) (optional) |

ACCOMMODATIONS

| Model | Regular Cab | Quad Cab | Crew Cab |
|--------------------------|---------------------|--------------------|---------------------|
| Seating Capacity, F/R | 3/0 or 2/0 | 3/3 or 2/3 | 3/3 or 2/3 |
| Front | | | |
| Head Room | 39.9 (1,013.5) | 41.0 (1,041.4) | 41.0 (1,041.4) |
| Legroom | 41.0 (1,041.4) | 41.0 (1,041.4) | 41.0 (1,041.4) |
| Shoulder Room | 66.0 (1,676.4) | 66.0 (1,676.4) | 66.0 (1,676.4) |
| Hip Room | 62.9 (1,598.7) | 63.2 (1,605.3) | 63.2 (1,605.3) |
| Seat Travel | 9.0 (230.0) | 9.0 (230.0) | 9.0 (230.0) |
| Recliner Range (degrees) | 85 (38 RWD, 47 FWD) | 56 (38 RWD 18 FWD) | 56 (38 RWD, 18 FWD) |
| Rear | | | |
| Head Room | N/A | 39.7 (1,008.4) | 39.9 (1,013.5) |
| Legroom | N/A | 34.7 (880.9) | 40.3 (1,023.3) |
| Shoulder Room | N/A | 65.7 (1,668.8) | 65.7 (1,668.8) |
| Hip Room | N/A | 62.9 (1,598.3) | 63.2 (1,605.3) |
| Interior Volume | | | |
| Front – cu. ft. (cu. m) | 62.5 (1.8) | 64.2 (1.8) | 64.2 (1.8) |
| Rear – cu. ft. (cu. m) | N/A | 52.4 (1.5) | 61.1 (1.7) |

