



# 2017 RAM 3500 HEAVY DUTY CANADIAN SPECIFICATIONS



FCA CANADA

## 2017 Ram 3500 Heavy Duty CANADIAN SPECIFICATIONS

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

### GENERAL INFORMATION

|                   |  |
|-------------------|--|
| Vehicle Type      | Regular Cab, Crew Cab and Mega Cab, 2WD, 4WD |
| Assembly Plant    | Salttillo, Coahuila, Mexico                  |
| EPA Vehicle Class | Standard Pickup                              |

### BODY AND CHASSIS

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

### ENGINE: 5.7-LITRE HEMI® V8

|                      |   |
|----------------------|---|
| Type and Description | 90-degree V-type, liquid-cooled, with variable-valve timing (VVT)   |
| Displacement         | 5,654 cu cm (345 cu in)   |
| Bore x Stroke        | 99.5 x 90.9 (3.92 x 3.58)   |
| Valve System         | 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                | 383 hp (286 kW) @ 5,600 rpm   |
| Torque               | 400 lb-ft (542 N•m) @ 4,000 rpm   |
| Max. Engine Speed    | 5,800 rpm   |
| Fuel Requirement     | Unleaded mid-grade, 89 octane (R+M)/2 — recommended<br>Unleaded regular, 87 octane (R+M)/2 — acceptable                     |
| Oil Capacity         | 6.6 litres (7.0 quarts)   |
| Coolant Capacity     | 17.3 litres (18.3 quarts)   |
| Emission Control     | Three-way catalytic converters, heated oxygen sensors, internal engine features and knock sensors                           |



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**ENGINE: 6.4-LITRE HEMI V8**

|                      |  |
|----------------------|--|
| Type and Description | 90-degree V-type, liquid-cooled, with variable-valve timing (VVT)  |
| Displacement         | 6,417 cu cm (392 cu in)  |
| Bore x Stroke        | 103.9 x 94.6 (4.09 x 3.72)   |
| Valve System         | Pushrod-operated overhead valves, 16 valves, eight de-activating and eight hydraulic lifters, all with roller followers            |
| Fuel Injection       | Sequential, multiport, electronic, returnless  |
| Construction         | Deep-skirt cast-iron block with cross-bolted main bearing caps, 356 aluminum cylinder heads with hemispherical combustion chambers |
| Compression Ratio    | 10.0:1   |
| Power                | 410 bhp (306 kW) @ 5,600 rpm (all configurations except Mega Cab)<br>Mega Cab — 370 hp (276 kW) @ 4,600 rpm                        |
| Torque               | 429 lb-ft (582 N•m) at 4,000 rpm   |
| Maximum Engine Speed | 5,800 rpm limited  |
| Fuel Requirement     | Unleaded regular, 87 octane (R+M)/2  |
| Oil Capacity         | 6.6 litres (7.0 quarts)  |
| Coolant Capacity     | 15.8 litres (16.6 quarts)  |
| Emission Control     | Three-way catalytic converters, heated oxygen sensors, cooled electronic EGR and individual cylinder fuel control                  |

**ENGINE: 6.7-LITRE CUMMINS TURBO DIESEL I-6 (three versions)**

|                                |   |
|--------------------------------|---|
| Type and Description           | Inline, liquid-cooled, turbocharged, intercooled            |
| Displacement                   | 6,690 cu cm (408 cu in)                                     |
| Bore x Stroke                  | 107 x 124 (4.21 x 4.88)                                     |
| Valve System                   | Pushrod-operated overhead valves, 24 valves, solid lifters  |
| Fuel Injection                 | Electronic high-pressure common rail                        |
| Construction                   | Cast-iron block and head                                    |
| Compression Ratio              | 16.2:1  |
| Power                          | 350 hp (261 kW) @ 2,800 rpm (G56 manual transmission)       |
| Torque                         | 660 lb-ft (881 N•m) @ 1,500 rpm                             |
| Power                          | 370 hp (276 kW) @ 2,800 rpm (68RFE automatic transmission)  |
| Torque                         | 800 lb-ft (1,084 N•m) @ 1,600 rpm                           |
| Power                          | 385 hp (287 kW) @ 2,800 rpm (AS69RC automatic transmission) |
| Torque                         | 900 lb-ft (1,220 N•m) @ 1,700 rpm                           |
| Maximum High-idle Engine Speed | 3,200 rpm   |
| Fuel Requirement               | Ultra-low sulfur diesel                                     |
| Oil Capacity                   | 11.3 litres (12.0 quarts)                                   |



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|                   |                                     |
|-------------------|-------------------------------------|
| Coolant Capacity  | 22.5 litres (23.8 quarts)           |
| Emission Controls | Selective Catalytic Reduction (SCR) |

**TRANSMISSION: G56 — MANUAL SIX-SPEED OVERDRIVE**

|                    |                           |
|--------------------|---------------------------|
| Availability       | 6.7-litre diesel          |
| Description        | Synchronized in all gears |
| <b>Gear Ratios</b> |                           |
| 1 <sup>st</sup>    | 5.94                      |
| 2 <sup>nd</sup>    | 3.28                      |
| 3 <sup>rd</sup>    | 1.98                      |
| 4 <sup>th</sup>    | 1.31                      |
| 5 <sup>th</sup>    | 1.00                      |
| 6 <sup>th</sup>    | 0.74                      |
| Reverse            | 5.42                      |
| Axle ratios        | 3.42, 3.73 (DRW only)     |

**TRANSMISSION: 66RFE — AUTOMATIC SIX-SPEED**

|                    |  |
|--------------------|--|
| Availability       | 5.7-litre HEMI V8 and 6.4-litre HEMI V8  |
| Description        | Three planetary gear sets, one overrunning clutch, full electronic control, electronically controlled converter clutch |
| <b>Gear Ratios</b> |  |
| 1 <sup>st</sup>    | 3.23   |
| 2 <sup>nd</sup>    | 1.84   |
| 3 <sup>rd</sup>    | 1.41   |
| 4 <sup>th</sup>    | 1.00   |
| 5 <sup>th</sup>    | 0.82   |
| 6 <sup>th</sup>    | 0.63   |
| Reverse            | 4.44   |
| Axle ratios        | 3.73, 4.10   |

**TRANSMISSION: 68RFE — AUTOMATIC SIX-SPEED**

|              |  |
|--------------|--|
| Availability | 6.7-litre diesel   |
| Description  | Three planetary gear-sets, one overrunning clutch, full electronic control, electronically controlled converter clutch |



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|                    |  |
|--------------------|--|
| <b>Gear Ratios</b> |  |
| 1 <sup>st</sup>    | 3.23                                   |
| 2 <sup>nd</sup>    | 1.84                                   |
| 3 <sup>rd</sup>    | 1.41                                   |
| 4 <sup>th</sup>    | 1.00                                   |
| 5 <sup>th</sup>    | 0.82                                   |
| 6 <sup>th</sup>    | 0.63                                   |
| Reverse            | 4.44                                   |
| <b>Axle Ratios</b> | 3.42, 3.73 (DRW only), 4.10 (DRW only) |

**TRANSMISSION: AS69RC — AUTOMATIC SIX-SPEED**

|                     |   |
|---------------------|---|
| <b>Availability</b> | 6.7-litre diesel  |
| <b>Description</b>  | Three planetary gear-sets,, full electronic control, electronically controlled converter clutch |
| <b>Gear Ratios</b>  |   |
| 1 <sup>st</sup>     | 3.75  |
| 2 <sup>nd</sup>     | 2.0   |
| 3 <sup>rd</sup>     | 1.34  |
| 4 <sup>th</sup>     | 1.00  |
| 5 <sup>th</sup>     | 0.77  |
| 6 <sup>th</sup>     | 0.63  |
| Reverse             | 3.54  |
| <b>Axle ratios</b>  | 3.42, 3.73 (DRW only), 4.10 (DRW only)  |

**TRANSFER CASES: BW 44-46, BW 44-47**

|                            |  |
|----------------------------|--|
| <b>Availability</b>        | Optional on 6.7-litre diesel and 5.7-litre HEMI V8 and 6.4-litre HEMI V8 |
| <b>Type</b>                | Part-time — BW 44-47 manual shift and BW 44-46 electric shift            |
| <b>Operating Modes</b>     | 2WD; 4WD High; Neutral; 4WD Low  |
| <b>Low-range Ratio</b>     | 2.64   |
| <b>Center Differential</b> | None   |

**AXLES**

|              |   |
|--------------|---|
| <b>Front</b> | AAM 9.25-in. beam front axle with center disconnect |
| <b>Rear</b>  | AAM 11.5-in. and 11.8-in. beam rear axles           |



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**ELECTRICAL SYSTEM**

|             |   |
|-------------|---|
| Alternator  |   |
| Rating      | 160-amp standard with 5.7-litre HEMI V8   |
| Rating      | 180-amp included with 6.4-litre HEMI V8 and 6.7-litre diesel, optional on 5.7-litre HEMI V8 |
| Rating      | Dual (220-amp and 160-amp) optional on 6.4-litre HEMI V-8                                   |
| Rating      | Dual 220-amp optional on 6.7-litre diesel   |
| Battery     |   |
| Description | Group 65, maintenance-free, 730 CCA on 5.7-litre HEMI V8 and 6.4-litre HEMI V8              |
|             | Dual Group 65, maintenance-free, 730 CCA on 6.7-litre diesel                                |

**SUSPENSION**

| <i>Model</i> | <i>2WD</i>  | <i>4WD</i>  |
|--------------|---|---|
| Front        | Three-link with track bar, coil springs, stabilizer bar, solid axle | Three-link with track bar, coil springs, stabilizer bar, solid axle |
| Rear         | Hotchkiss leaf spring, solid axle                                   | Hotchkiss leaf spring, solid axle (optional supplemental air bags)  |

**BRAKES**

|                   |  |
|-------------------|--|
| Front             |  |
| Size and Type     | 359.9 x 39.1 (14.17 x 1.54) disc with twin-piston pin-slider caliper and ABS |
| Rear              |  |
| Size and Type     | 357.9 x 34.0 (14.09 x 1.34) disc with twin-piston pin-slider caliper and ABS |
| Power-assist type | Dual-rate, tandem diaphragm vacuum (gas)<br>Hydro-boost (diesel)             |

**AIR BAGS**

|             |   |
|-------------|---|
| Regular Cab | 6 |
| Crew Cab    | 6 |
| Mega Cab    | 6 |



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**STEERING**

|              |                  |
|--------------|------------------|
| Power-assist | Hydraulic assist |
|--------------|------------------|

**Regular Cab Pickup**

| <i>Model</i>                             | <i>2WD</i>    | <i>4WD</i>    |
|--|---------------|---------------|
| Box Length                               | 8-ft.         | 8-ft.         |
| Wheelbase (nominal)                      | 3,569 (140.5) | 3,569 (140.5) |
| Turning Diameter – m (ft) <sup>(a)</sup> | 13.8 (45.1)   | 12.7 (41.6)   |

**Crew Cab Pickup**

| <i>Model</i>                             | <i>2WD</i>    | <i>2WD</i>    | <i>4WD</i>    | <i>4WD</i>    |
|--|---------------|---------------|---------------|---------------|
| Box Length                               | 6-ft. 4-in.   | 8-ft.         | 6-ft. 4-in.   | 8-ft.         |
| Wheelbase (nominal)                      | 3,797 (149.5) | 4,305 (169.5) | 3,797 (149.5) | 4,305 (169.5) |
| Turning Diameter – m (ft) <sup>(a)</sup> | 14.5 (47.5)   | 16.2 (53.2)   | 13.4 (43.9)   | 15.0 (49.2)   |

**Mega Cab Pickup**

| <i>Model</i>                             | <i>2WD</i>    | <i>4WD</i>    |
|--|---------------|---------------|
| Box Length                               | 6-ft. 4-in.   | 6-ft. 4-in.   |
| Wheelbase (nominal)                      | 4,068 (160.5) | 4,077 (160.5) |
| Turning Diameter – m (ft) <sup>(a)</sup> | 15.4 (50.7)   | 14.3 (46.9)   |

(a) Turning diameter is measured at the outside of the tires at curb height. Turning diameters and steering wheel turns, lock-to-lock may differ with optional tires and wheels.

**DIMENSIONS AND CAPACITIES****Cargo Box**

| <b>Nominal Box Size</b>          | <b>6-ft. 4-in. (Crew or Mega)</b> | <b>8 ft. (Regular or Crew)</b> |
|----------------------------------|-----------------------------------|--------------------------------|
| SAE Volume, litres (cu. ft.)     | 1628 (57.5)                       | 2115 (74.7)                    |
| Length at Floor, Tailgate Closed | 1,939 (76.3)                      | 2,497 (98.3)                   |
| Cargo Width                      | 1,687 (66.4)                      | 1,687 (66.4)                   |
| Distance Between Wheelhouses     | 1,295 (51.0)                      | 1,295 (51.0)                   |
| Depth                            | 511 (20.1)                        | 513 (20.2)                     |
| Tailgate Opening Width           | 1,535 (60.4)                      | 1,535 (60.4)                   |



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**REGULAR CAB 140.5-IN. WB,  
8-FT. BOX SRW**

|                                      | <b>4x2</b>    | <b>4x4</b>    |
|--------------------------------------|---------------|---------------|
| Wheelbase                            | 3,569 (140.5) | 3,569 (140.5) |
| Track Width – Front                  | 1,720 (67.7)  | 1,720 (67.7)  |
| Track Width – Rear                   | 1,704 (67.1)  | 1,704 (67.1)  |
| Overall Length                       | 5,852 (230.4) | 5,852 (230.4) |
| Overall Width @ SgRP Front           | 2,009 (79.1)  | 2,009 (79.1)  |
| Overall Height                       | 1,991 (78.4)  | 2,027 (79.8)  |
| Suspension or Axle to Ground – Front | 185 (7.3)     | 234 (9.2)     |
| Suspension or Axle to Ground – Rear  | 218 (8.6)     | 218 (8.6)     |
| Approach Angle (degrees)             | 20.9          | 25.1          |
| Ramp Breakover Angle (degrees)       | 20.8          | 21.3          |
| Departure Angle (degrees)            | 24.8          | 25.6          |

**REGULAR CAB 140.5-IN. WB,  
8-FT. BOX DRW**

|                                      | <b>4x2</b>    | <b>4x4</b>    |
|--------------------------------------|---------------|---------------|
| Wheelbase                            | 3,556 (140.0) | 3,569 (140.5) |
| Track Width – Front                  | 1,742 (68.6)  | 1,765 (69.5)  |
| Track Width – Rear                   | 1,925 (75.8)  | 1,925 (75.8)  |
| Overall Length                       | 5,852 (230.4) | 5,852 (230.4) |
| Overall Width @ SgRP Front           | 2,004 (78.9)  | 2,004 (78.9)  |
| Overall Height                       | 1,953 (76.9)  | 1,994 (78.5)  |
| Suspension or Axle to Ground – Front | 165 (6.5)     | 216 (8.5)     |
| Suspension or Axle to Ground – Rear  | 201 (7.9)     | 201 (7.9)     |
| Approach Angle (degrees)             | 19.1          | 23.6          |
| Ramp Breakover Angle (degrees)       | 17.2          | 19.7          |
| Departure Angle (degrees)            | 23.2          | 23.8          |

**CREW CAB 149.5-IN. WB,  
6-FT. 4-IN. BOX SRW**

|                                      | <b>4x2</b>    | <b>4x4</b>    |
|--------------------------------------|---------------|---------------|
| Wheelbase                            | 3,797 (149.5) | 3,797 (149.5) |
| Track Width – Front                  | 1,720 (67.7)  | 1,720 (67.7)  |
| Track Width – Rear                   | 1,704 (67.1)  | 1,704 (67.1)  |
| Overall Length                       | 6,027 (237.3) | 6,027 (237.3) |
| Overall Width @ SgRP Front           | 2,009 (79.1)  | 2,009 (79.1)  |
| Overall Height                       | 1,991 (78.4)  | 2,027 (79.8)  |
| Suspension or Axle to Ground – Front | 185 (7.3)     | 233 (9.2)     |



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|                                     |           |           |
|-------------------------------------|-----------|-----------|
| Suspension or Axle to Ground – Rear | 218 (8.6) | 218 (8.6) |
| Approach Angle (degrees)            | 20.9      | 25.1      |
| Ramp Breakover Angle (degrees)      | 20.8      | 21.3      |
| Departure Angle (degrees)           | 24.8      | 25.6      |

**CREW CAB 169.5-IN. WB,  
8-FT. BOX SRW**

|                                      | <b>4x2</b>    | <b>4x4</b>    |
|--------------------------------------|---------------|---------------|
| Wheelbase                            | 4,290 (168.9) | 4,300 (169.3) |
| Track Width – Front                  | 1,720 (67.7)  | 1,720 (67.7)  |
| Track Width – Rear                   | 1,704 (67.1)  | 1,704 (67.1)  |
| Overall Length                       | 6,586 (259.3) | 6,586 (259.3) |
| Overall Width @ SgRP Front           | 2,009 (79.1)  | 2,009 (79.1)  |
| Overall Height                       | 1,986 (78.2)  | 2,022 (79.6)  |
| Suspension or Axle to Ground – Front | 185 (7.3)     | 231 (9.1)     |
| Suspension or Axle to Ground – Rear  | 218 (8.6)     | 218 (8.6)     |
| Approach Angle (degrees)             | 21.0          | 25.1          |
| Ramp Breakover Angle (degrees)       | 19.5          | 19.3          |
| Departure Angle (degrees)            | 23.7          | 24.4          |

**CREW CAB 169.5-IN. WB,  
8-FT. BOX DRW**

|                                      | <b>4x2</b>    | <b>4x4</b>    |
|--------------------------------------|---------------|---------------|
| Wheelbase                            | 4,290 (168.9) | 4,300 (169.3) |
| Track Width – Front                  | 1,742 (68.6)  | 1,765 (69.5)  |
| Track Width – Rear                   | 1,925 (75.8)  | 1,925 (75.8)  |
| Overall Length                       | 6,586 (259.3) | 6,586 (259.3) |
| Overall Width @ SgRP Front           | 2,009 (79.1)  | 2,009 (79.1)  |
| Overall Height                       | 1,966 (77.4)  | 2,004 (78.9)  |
| Suspension or Axle to Ground – Front | 163 (6.4)     | 213 (8.4)     |
| Suspension or Axle to Ground – Rear  | 201 (7.9)     | 201 (7.9)     |
| Approach Angle (degrees)             | 19.2          | 23.6          |
| Ramp Breakover Angle (degrees)       | 14.6          | 16.9          |
| Departure Angle (degrees)            | 22.9          | 23.6          |

**MEGA CAB 160.5-IN. WB,  
6-FT. 4-IN. BOX SRW**

|                     | <b>4x2</b>    | <b>4x4</b>    |
|---------------------|---------------|---------------|
| Wheelbase           | 4,064 (160.0) | 4,074 (160.4) |
| Track Width – Front | 1,720 (67.7)  | 1,720 (67.7)  |



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|                                      |               |               |
|--------------------------------------|---------------|---------------|
| Track Width – Rear                   | 1,704 (67.1)  | 1,704 (67.1)  |
| Overall Length                       | 6,309 (248.4) | 6,309 (248.4) |
| Overall Width @ SgRP Front           | 2,009 (79.1)  | 2,009 (79.1)  |
| Overall Height                       | 1,989 (78.3)  | 2,024 (79.7)  |
| Suspension or Axle to Ground – Front | 185 (7.3)     | 231 (9.1)     |
| Suspension or Axle to Ground – Rear  | 218 (8.6)     | 221 (8.7)     |
| Approach Angle (degrees)             | 20.9          | 25.1          |
| Ramp Breakover Angle (degrees)       | 20.1          | 20.1          |
| Departure Angle (degrees)            | 24.7          | 25.5          |

**MEGA CAB 160.5-IN. WB,  
 6-FT. 4-IN. BOX DRW**

|                                      | <b>4x2</b>    | <b>4x4</b>    |
|--------------------------------------|---------------|---------------|
| Wheelbase                            | 4,064 (160.0) | 4,074 (160.4) |
| Track Width – Front                  | 1,742 (68.6)  | 1,765 (69.5)  |
| Track Width – Rear                   | 1,925 (75.8)  | 1,925 (75.8)  |
| Overall Length                       | 6,309 (248.4) | 6,309 (248.4) |
| Overall Width @ SgRP Front           | 2,009 (79.1)  | 2,009 (79.1)  |
| Overall Height                       | 1,969 (77.5)  | 2,007 (79.0)  |
| Suspension or Axle to Ground – Front | 163 (6.4)     | 213 (8.4)     |
| Suspension or Axle to Ground – Rear  | 201 (7.9)     | 198 (7.8)     |
| Approach Angle (degrees)             | 19.1          | 23.6          |
| Ramp Breakover Angle (degrees)       | 15.2          | 17.6          |
| Departure Angle (degrees)            | 23.9          | 24.6          |

**ACCOMMODATIONS**

| <b>Model</b>             | <b>Regular Cab</b>  | <b>Crew Cab</b>     | <b>Mega Cab</b>     |
|--------------------------|---------------------|---------------------|---------------------|
| Seating Capacity, F/R    | 3/0 or 2/0          | 3/3 or 2/3          | 3/3 or 2/3          |
| <b>Front</b>             |                     |                     |                     |
| Headroom                 | 1,015 (39.9)        | 1,041 (41.0)        | 1,041 (41.0)        |
| Legroom                  | 1,041 (41.0)        | 1,041 (41.0)        | 1,041 (41.0)        |
| Shoulder Room            | 1,676 (66.0)        | 1,676 (66.0)        | 1,676 (66.0)        |
| Hip Room                 | 1,599 (62.9)        | 1,605 (63.2)        | 1,605 (63.2)        |
| Seat Travel              | 230 (9.0)           | 230 (9.0)           | 230 (9.0)           |
| Recliner Range (degrees) | 85 (38 RWD, 47 FWD) | 56 (38 RWD, 18 FWD) | 56 (38 RWD, 18 FWD) |



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| <b>Rear</b>              |             |                |              |
|--------------------------|-------------|----------------|--------------|
| Headroom                 | N/A         | 1,013.5 (39.9) | 1,024 (40.3) |
| Legroom                  | N/A         | 1,024 (40.3)   | 1,100 (43.3) |
| Shoulder Room            | N/A         | 1,669 (65.7)   | 1,669 (65.7) |
| Hip Room                 | N/A         | 1,605 (63.2)   | 1,605 (63.2) |
| <b>Interior Volume</b>   |             |                |              |
| Front – litres (cu. ft.) | 1770 (62.5) | 1818 (64.2)    | 1818 (64.2)  |
| Rear – litres (cu. ft.)  | N/A         | 1730 (61.1)    | 1877 (66.3)  |

