

# Specifications for an Extended Cab Pickup Truck

## *Model Year*

The vehicle shall be a model year 2020 or newer and shall be in new condition with less than 500 miles on the odometer. The unit shall meet emissions in all States of the U.S.

**Specs shown are for a Ram however rough equivalents from other makes or models will be considered**

## *Mechanical Features*

### **Engine**

The vehicle shall be equipped with a 6.4-liter heavy duty V8 engine with multi-displacement fuel saver cylinder deactivation technology. The engine shall produce 410 peak horsepower and 429 lb./ft of peak torque.

### **Transmission**

The transmission shall be a ZF Group 8HP75 model transmission with 8 forward speeds.

### **Four Wheel Drive**

The vehicle shall be equipped with a part time four-wheel drive with a manual shift on the fly transfer case and automatic locking front wheel hubs.

### **Axles**

The rear axle shall be an 11.5-inch unit with a 3.73 gear ratio and equipped with an anti-spin differential. It shall be a rigid type axle with a capacity of 6010 lbs.

Front axle shall be a non-independent type, be equipped with a 3.73 gear ratio, and have a capacity of 5250 lbs.

### **Suspension**

Front and rear suspensions shall be multi-link type with coil springs. The suspensions shall be rated as heavy duty and shall have heavy duty type shock absorbers.

### **Brakes**

All four wheel shall be equipped with power assisted, disc type brakes. The braking system shall be equipped with an anti-lock brake system, electronic stability control, hill start assist, and traction control.

### **Wheels and Tires**

The wheel rim size shall be 17X7.5 inches for all four wheels. Wheel rims shall be styled steel. Tires shall be LT245/70SR17 all season type. Tire weight capacity shall be 3000 lbs. for each tire. One spare tire and wheel rim shall be provided with the vehicle.

### **Fuel Tank Capacity**

The vehicle shall be equipped with a 31-gallon fuel tank.

### **Electrical System**

The vehicle shall be equipped with two alternators with a combined rating at 380 amps and a battery rated at 730 cold cranking amps.

### **Inverter**

The vehicle shall have a 400-watt power inverter to convert 12-volt DC power to 115-volt AC. A 115-volt receptacle shall be located in the cab of the vehicle.

### **12-Volt DC Outlets**

Two 12-volt DC power outlets shall be located in the cab of the vehicle.

### **Vehicle Dimensions**

The exterior dimensions of the vehicle shall be:

- Wheelbase 149 inches
- Overall vehicle length 238.8 inches
- Maximum overall width without mirrors 79.5 inches
- Overall height 80.2 inches
- Ground clearance 8.5 inches

The cargo bed area shall have the following dimensions:

- Cargo bed floor length 76.3 inches
- Cargo bed width 66.4 inches
- Cargo bed width between wheel housings 51 inches
- Cargo bed height 20.2 inches
- Tailgate width 60.4 inches
- Total cargo bed area 57.5 cubic feet

The interior dimensions of the vehicle shall be:

- Passenger capacity 6
- Front head room 40.9 inches
- Front leg room 40.9 inches
- Front shoulder room 65.9 inches
- Front hip room 62.9 inches
- Rear head room 39.8 inches
- Rear leg room 40.2 inches
- Rear shoulder room 65.6 inches
- Rear hip room 62.7 inches

### **Vehicle Weight Information**

The vehicle shall have the following weight ratings:

- Gross Axle Weight Rating – Front 5500 lbs.
- Gross Axle Weight Rating – Rear 6000 lbs.
- Curb weight – front 3845 lbs.
- Curb weight – rear 2798 lbs.
- Gross Vehicle Weight Rating – 10000 lbs.
- Gross Combined Weight Rating – 21500 lbs.

### **Pickup Cargo Box**

The pickup bed shall have a spray in bedliner material applied to it. It shall also be equipped with pickup cargo box lights.

### **Trailer Hitch**

A trailer hitch shall be installed at the rear of the vehicle and shall be attached to the vehicle's frame. It shall be rated to tow 14380 lbs. with a max tongue weight of 1438 pounds.

The truck shall also be equipped with a 7-pin and a 4-pin trailer wiring harness connector. A trailer brake control unit shall be installed in the cab of the vehicle as well.

Power adjust, heated tow mirrors with a manually rotated mirror head shall be provided as well.

### ***Interior Features***

The vehicle shall be equipped with the following features:

- Manual adjust 4-way driver and passenger vinyl seats
- Heavy duty vinyl 40/20/40 split bench seat
- Vinyl rear seat
- Rear folding seat
- Manual tilt steering column
- Air Conditioning
- Full vinyl / rubber floor covering

### ***Safety Features***

The vehicle shall be equipped with the following safety features:

- Electronic stability control
- Roll stability control
- Anti-lock brake system and driveline traction control
- Side impact beams
- Dual stage driver and passenger seat mounted side airbags
- Tire specific low tire pressure warning
- Dual stage driver and passenger front air bags
- Curtain 1<sup>st</sup> row and 2<sup>nd</sup> row air bags
- Airbag occupancy sensor
- Outboard front lap and shoulder safety belts including height adjusters and pretensioners
- Parkview back-up camera

## *Snowplow*

### **Snow Chief Group**

The vehicle shall be equipped with an anti-spin rear differential, instrument panel mounted auxiliary switches, LED clearance lamps, and a transfer case skid plate.

### **Western Brand Snowplow**

A Western Brand model MVP3 plow shall be included and installed on the vehicle at the time of delivery. The unit shall be the 8' 6" stainless steel model and include wear shoes and utilize the Western brand UltraMount 2 mounting system.

## *Liftgate*

### **Tommy Gate Hydraulic Lift**

A Tommy Gate model G2-60-1542EA38 hydraulic lift with a capacity of 1500 lbs. shall be installed on the vehicle.

The unit shall have a 2-piece extruded aluminum platform with a 38" loading depth with a 6" taper.

The drive system shall be dual hydraulic cylinders. The hydraulic system shall be an enclosed unit. A pressure relief valve shall be included to prevent the operator from overloading the platform. A flow control valve shall be provided to prevent uncontrolled descent of the platform.

The electrical system shall be protected by a 150 Amp continuous duty circuit breaker mounted in-line with a 4 AWG positive battery cable. A 4 AWG ground cable shall also be used.