

Jeep® Grand Cherokee SRT

TECHNICAL SPECIFICATIONS

All dimensions are in millimeters unless otherwise noted.

Note: information shown is correct at time of publication and is subject to change without notice.

Specifications are valid for models sold in Europe and may vary in other international markets.

GENERAL INFORMATION

Body Style	Four-door sport-utility vehicle
Construction	Steel uniframe
Assembly Plant	Jefferson Avenue North Assembly Plant, Detroit, Michigan
EPA Vehicle Class	Multi-purpose vehicle

ENGINE: 6.4-LITER HEMI® V-8 WITH FUEL SAVER TECHNOLOGY

Availability	Standard
Type and Description	90-degree V-type, liquid-cooled
Displacement	6,417 cc
Bore x Stroke	103,9 x 94,5
Valve System	Pushrod-operated overhead valves, 16 valves with sodium-filled exhaust valves and hollow stem intake valves, 16 conventional hydraulic lifters, all with roller tips
Fuel Injection	Sequential, multi-port, electronic, returnless; automatic features Fuel Saver mode
Construction	Deep-skirt cast-iron block with cross-bolted main bearing caps, aluminum alloy heads with hemispherical combustion chambers
Compression Ratio	10.9:1
Power	468 HP (344 kW) @ 6,250 rpm
Torque	624 Nm @ 4,100 rpm
Max. Engine Speed	6,800 rpm (electronically limited))
Fuel Requirement	Premium 91 octane (R+M)/2 — recommended
Oil Capacity (l)	6.6 - 0W-40 Synthetic
Coolant Capacity (l)	15.5
Emission Controls	Dual close-coupled three-way catalytic converters, quad-heated oxygen sensors and internal engine features
Assembly Plant	Saltillo Engine Plant, Saltillo, Mexico

TRANSMISSION: W5A580 FIVE-SPEED AUTOMATIC

Availability	Standard
Description	Auto Stick driver interactive manual control and electronically modulated torque converter clutch
Gear Ratios	
1st	3.59
2nd	2.19
3rd	1.41
4th	1.00
5th	0.83
Reverse	3.16
Final Drive Ratio	3.70:1
Overall Top Gear	3.07

TRANSFER CASE: MP 3010

Availability	Standard
Type	Single-speed, On demand, electronically controlled coupling
Operating Modes	Full-time 4WD
Torque Split, Front/Rear	Variable - 50/50 Snow and 35/65 Sport and Track

FRONT AXLES

Differential Type	Conventional
Availability	Standard
Ring Gear Diameter	195
Axle Ratio	3.70:1

REAR AXLES

Differential Type	Electronic Limited Slip Differential (ELSD)
Availability	Standard
Ring Gear Diameter	230
Axle Ratio	3.70:1

DIMENSIONS AND CAPACITIES

Wheelbase	2,914
Track, Front	1,669
Track, Rear	1,661
Overall Length	4,846

Overall Width (Width at Mirrors)	2,154
Body Width (without mirrors)	1,943
Overall Height (at Antenna)	1,749
Sill Step Height	527
Minimum Ground Clearance	203
Front Axle	227.8
Rear Axle	228.3
Approach Angle, Degrees	18.45
Ramp Breakover Angle, Degrees	17.84
Departure Angle, Degrees	21.9
Frontal Area	2.93 m ²
Drag Coefficient	0.39
Aero (CdA)	12.2 (Cd x cross-sectional area)
Fuel Tank Capacity,	93.1 L

ACCOMMODATIONS

Seating Capacity, Front/rear	2/3
Front Seat	
Head Room	966.3
Legroom	1,024.5
Shoulder Room	1,491.4
Hip Room	1,448.6
Seat Travel	280
SAE Volume	1.55 m ³
Rear Seat	
Head Room	961
Legroom	981
Shoulder Room	1,474
Hip Room	1,428
Knee Clearance	109.7
SAE Volume	1.4 m ³
Cargo Volume	
Behind Rear Seat	782 L
Rear Seats Folded	1.554 L

WEIGHTS

MODEL	ENGINE	GVWR(a) (kg)	CURB WEIGHT^(b) (kg)
SRT	6.4-liter	2,949	2,360

(a) Gross Vehicle Weight Rating.

(b) Curb weight includes standard equipment and full quantities of fuel, lubricant and coolant.

WEIGHT DISTRIBUTION, F/R

4WD	54/46
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BODY

Layout	Longitudinal front engine, transfer case with on demand four-wheel drive
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EXHAUST

Type	Dual exhaust with active valves and dual 4-in. oval black chrome tips
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SUSPENSION

Front	Short- and long-arm independent (SLA), coil springs, Bilstein Adaptive Damping Suspension (ADS), upper- and lower-control arms ("A" arms), stabilizer bar
Rear	Multi-link rear suspension, coil spring, Bilstein Adaptive Damping Suspension (ADS), aluminum lower control arm, independent upper links (tension and camber) plus a separate toe link, stabilizer bar

STEERING

Type	SRT-tuned power rack and pinion
Steering Ratio	17.5:1
Turning diameter	11.6 m
Lock-to-Lock Steering Wheel Rotations	3.396

BRAKES

Front	
Size and Type	380 x 34 mm vented disc with Brembo six-piston caliper and ABS
Swept Area	672 cm ²
Rear	
Size and Type	350 x 28 mm disc with Brembo four-piston caliper and single-channel ABS
Swept Area	508 cm ²
Power Assist	Single-rate, tandem diaphragm vacuum

TIRES

Standard	
Size and Type	P295/45ZR20
Mfr. and Model	Pirelli P-Zero Three Season - Runflat-

WHEELS

Type and material	Alloy, painted, split 5-spoke
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Size	20" x 10"
PERFORMANCE	
ENGINE	6.4-liter V-8
Acceleration 0-100 km/h	5 sec.
Top Speed (km/h)	257

**Fuel Consumption
(L/100 km, EU standard)**

ENGINE	6.4-liter V-8
Urban Cycle	20.9
Extra-urban Cycle	10.1
Combined Cycle	14.1
Combined CO ₂ (g/km)	328
Environmental classification	Euro 5

TRAILER TOWING

	ENGINE	AXLE RATIO	MAXIMUM TRAILER WEIGHT(a) (KG)
4WD	6.4-liter V-8	3.70	2,268

(a) Maximum Trailer Weight = GCWR - Curb Wt. with hitch - 300 lbs. (allowance for driver and passenger) and must be decreased by the weight of optional equipment, cargo and additional passengers. Maximum trailer weights shown are rounded to the nearest 50 lbs. Tongue weight should be 10-15% of loaded trailer weight but may not cause vehicle to exceed GVWR or GAWR. Load equalizing hitch recommended for trailers over 907 kg.

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FEATURE AVAILABILITY

LEGEND: S = Standard, O = Optional, P = Package, — = Not available

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TRIM LEVEL	SRT
EXTERIOR	
Body-color front grille with chrome bezels	S
Body-color door handles	S
Black chrome exhaust tips	S
Body-color rear spoiler	S
SRT hood with heat extractors	S
Deep tint sunscreen glass	S
Command View® dual-pane panoramic sunroof w/power shade	S
Power liftgate	S
Wheels	
SRT 20 in. x 10 in. alloy painted, split 5-spoke	S
Tires	
P295/45ZR20 Pirelli P-Zero, Run flat	S
Full-size steel spare wheel	S
INTERIOR	
Carbon fiber interior accents	S
Leather-wrapped door trim, armrests and center console lid	S
Leather-wrapped upper instrument panel with contrast stitching	S
Leather-wrapped, heated steering wheel with mounted paddle-shifters and audio controls	S

Bright, racing style brake and pedal pads	S
Premium Nappa leather-trimmed bucket seats with preferred suede, and SRT LOGO	S
COMFORT	
Bi-Xenon HID headlamps with Smart Beam [®] and automatic leveling	S
Front and rear Park Assist system with ParkView [™] rear back-up camera	S
Rain-sensitive windshield	S
Illuminated entry, glove box lamp and LED lighting	S
Air conditioning with automatic dual zone temperature control	S
Electronic Vehicle Information Center (EVIC) with Performance Pages	S
Front armrest with dual storage box and rear armrest	S
Power eight-way driver and passenger seats	S
Heated front and second -row seats	S
Power driver/ passenger 4-way lumbar	S
Ventilated front seats	S
Rear seat 60/40 folding	S
Auto dim interior rear-view mirror	S
Driver seat/steering wheel and mirrors memory	S
Power folding heated, aspheric mirrors with auto dim and memory	S
SOUND SYSTEMS AND INFOTAINMENT	
SRT High Performance Audio from Harman Kardon [®] with 19 speakers, 10-inch subwoofer, 825-watt amplifier	S
Uconnect [®] multimedia Navigation system with 30 GB hard disk, touch screen and voice command	S
Voice activated Bluetooth UConnect Phone [®]	S
TRANSMISSIONS	

Five-speed automatic with paddle shift and Auto Stick	S
ENGINE	
6.4-liter V-8 HEMI® with Fuel Saver Technology	S
Drivetrains	
Quadra-Trac SRT Active On Demand 4WD system	S
Front Differential with brake traction control system (BTCS) and rear Electronic Limited Slip Differential (ELSD)	S
Selec-Track™ system	S
Active Adaptive damping suspension	S
SAFETY	
Advanced multi-stage front air bags	S
Front seat side air bag	S
Supplemental side curtain front/rear air bags	S
EARS (Enhanced accident response system)	S
Hill-start Assist (HSA)	S
ABS (Anti-lock Brake System) with BAS (Brake Assist)	S
Electronic Stability Program (ESP) with Electronic rollover mitigation (ERM) and TSC (Trailer-sway control)	S
Front fog lamps	S
Keyless Enter-N-Go™	S
Sentry Key® engine immobilizer	S
Active head restraints	S
Tire-pressure monitoring (TPM) with single wheel display	S
ADVANCED SAFETY PACK: Adaptive Cruise Control, Forward Collision Warning, Blind-spot Monitoring with Rear Cross Path Detection	S
ISOFIX	S

BODY COLORS

BRILLIANT BLACK, BRIGHT SILVER, MINERAL GRAY AND DEEP
CHERRY

S

INTERIOR COLORS

BLACK

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