



2021 RA1250S PAN AMERICA™ 1250 SPECIAL

DIMENSIONS

Notes

Length	89.2 in. (2,265 mm)	
Overall Width	38 in. (965 mm)	
Overall Height	59.4 in. (1,510 mm)	
Seat Height, Laden	31.1 in. (789 mm)	2
Seat Height, Laden (with optional suspension)	30.4 in. (772 mm)	
Seat Height, Unladen	33.4 in. (850 mm)	
Seat Height, Unladen (with optional suspension)	32.7 in. (830 mm)	
Static Ground Clearance	8.3 in. (210 mm)	
Dynamic Ground Clearance (with optional suspension)	8.3 in. (210 mm)	
Rake (steering head) (deg)	25	
Fork Angle (deg)	25	
Trail	6.2 in. (157 mm)	
Wheelbase	62.2 in. (1,580 mm)	
Tires, Type	Michelin® Scorcher® “Adventure”, Radial	
Tires, Front Model	Scorcher® Adventure	
Tires, Front Specification	120/70R19 60V	
Tires, Rear Model	Scorcher® Adventure	
Tires, Rear Specification	170/60R17 72V	
Fuel Capacity	5.6 gal. (21.2 l)	
Reserve Fuel Capacity, Fuel Injection (warning light)	1 gal. (3.8 l)	
Oil Capacity (w/filter)	4.75 qt. (4.5 l)	
Transmission Capacity	N/A	
Primary Chain Case Capacity	N/A	
Coolant Capacity	2.32 qt. (2.2 l)	
Weight, As Shipped	527 lb. (239 kg)	
Weight, In Running Order	559 lb. (254 kg)	
Gross Vehicle Weight Rating	1,003 lb. (455 kg)	

Gross Axle Weight Rating, Front	399 lb. (181 kg)
Gross Axle Weight Rating, Rear	665 lb. (302 kg)
Luggage Capacity -Volume	N/A

ENGINE

Engine	Revolution® Max 1250
Valves	Chain-driven, DOHC, hydraulic self-adjusting lifters, intake & exhaust VVT; four valves per cylinder
Bore	4.13 in. (105 mm)
Stroke	2.84 in. (72 mm)
Displacement	76.3 cu in (1,252 cc)
Compression Ratio	13.0:1
Fuel System	Electronic Sequential Port Fuel Injection (ESPFI) 3
Air Cleaner	Downdraft intake, tuned velocity stacks, washable filter media
Exhaust	2-into-1-into-1; catalyst in header
Lubrication System	Pressurized Wet Sump

DRIVETRAIN

Primary Drive	Gear, 49/89 ratio
Final Drive	Chain, 19/48 ratio
Clutch	Mechanical, 8 plate wet, assist & slip, 1090N
Transmission	6-Speed
Gear Ratios (overall) 1st	13.11
Gear Ratios (overall) 2nd	9.687
Gear Ratios (overall) 3rd	7.509
Gear Ratios (overall) 4th	6.057
Gear Ratios (overall) 5th	5.08
Gear Ratios (overall) 6th	4.436

CHASSIS

Frame	Stressed-member, high strength low alloy steel trellis frame; stamped, cast, and forged junctions; MIG welded; aluminum forged mid-structure
Swingarm	One-piece cast aluminum
Front Fork	47mm inverted fork with electronically adjustable semi-active damping control. Aluminum fork triple clamps.

Front Fork, Optional	47mm inverted fork with electronically adjustable semi-active damping control and Adjustable Right Height (ARH). Aluminum fork triple clamps.	
Rear Shocks	Linkage-mounted monoshock with automatic electronic preload control and semi-active compression & rebound damping	
Rear Shocks, Optional	Linkage-mounted monoshock with automatic electronic preload control and semi-active compression & rebound damping and Adjustable Ride Height (ARH)	
Wheels, Optional Style Type	Annodized aluminum tubeless laced	4
Wheels, Front Type	Aluminum cast, satin black	4
Wheels, Front Width	3 in. (76 mm)	
Wheels, Front Height	19 in. (483 mm)	
Wheels, Rear Type	Aluminum cast, satin black	4
Wheels, Rear Width	4.5 in. (114 mm)	
Wheels, Rear Height	17 in. (432 mm)	
Brakes, Caliper Type	Front: radially mounted, monoblock, 4-piston caliper; Rear: floating, single piston caliper	
Brakes, Rotor Type	Front: dual rotor, floating, tower- mounted; Rear: solid uniform expansion rotor	
Brakes, Front Diameter	12.6 in. (320 mm)	
Brakes, Front Thickness	0.17 in. (4.5 mm)	
Brakes, Front is dual	Yes	
Brakes, Rear Diameter	11 in. (280 mm)	
Brakes, Rear Thickness	0.2 in. (5 mm)	
Front brake lever free travel	N/A	
Rear brake pedal free travel	N/A	
Brakes, Anti-Lock Braking System (ABS)	Standard	
Suspension Travel, Front	7.5 in. (191 mm)	
Suspension Travel, Rear	7.5 in. (191 mm)	

PERFORMANCE

Engine Torque Testing Method	J1349	
Engine Torque	94 ft-lb (127 Nm)	5
Engine Torque (rpm)	6,750	
Power (Hp/kW)	150 HP / 112 kW @ 9000 rpm	
Lean Angle Testing Method	J1168	
Lean Angle, Right (deg.)	42	
Lean Angle, Left (deg.)	42	

Fuel Economy Testing Method	Estimated City/Hwy	
Fuel Economy	48 mpg (4.9 l/100 km)	6
CO2 Emissions Testing Method	N/A	
CO2 Emissions	N/A	

ELECTRIC

Battery	Sealed, maintenance-free, absorbed glass mat (AGM) battery, 12V, 12Ah, 225 CCA at 0°F	
Charging	Three-phase, 45 Amp system (300 Watts @ 13 Volts, 1200 rpm, 585 Watts max power @ 13 Volts, 2250 rpm)	
Starting	0.9 kW electric with direct drive starter motor engagement	
Lights (as per country regulation), Headlamp	Daymaker Adaptive LED Headlamp with 6-segment LED banking lamp	
Lights (as per country regulation), Tail/Stop	All LED Tail/Stop lamp with signature tail lighting	
Lights (as per country regulation), Front Signal Lights	LED Bullet Turn Signals	
Lights (as per country regulation), Indicator Lamps	LED Bullet Turn Signals	7
Lights, Rear Turn Signals	N/A	
Gauges	6.8 inch viewable area TFT display with speedometer, gear, odometer, fuel level, clock, trip, ambient temp, low temp alert, side stand down alert, TIP over alert, cruise, range and tachometer indication BT capable - phone pairing to access phone calls, music, navigation (H-D App ONLY)	
Auxiliary Lamps	N/A	
Electric Power Outlet	USB C-Type , Output 5V at 2.4 Amp	
GPS System	N/A	
Reverse Gear	N/A	

WARRANTY AND SERVICE

Warranty	24 months (unlimited mileage)	8
Service Interval	First 1,000 miles (1,600 km), every 5,000 miles (8,000 km) thereafter	9

FOOTNOTES

1

Vehicles depicted may differ from vehicles manufactured and delivered. Specifications and prices listed may differ from specifications and prices of vehicles manufactured and delivered. All product descriptions (including depictions, specifications, dimensions, measurements, ratings and competitive comparisons) are based on available information at the time of publication. Although such descriptions are believed correct, errors and changes can occur and complete accuracy cannot be guaranteed. Harley-Davidson may make changes at any time to prices and specifications, and may change or discontinue models, without notice and without incurring any obligation. Attention: Vehicles in the configurations shown and many of the accessories described in this catalog may not be available for sale or use in some locations. Please check with your dealer for complete product details and the latest information. All models feature 6-speed transmission (VRSC™ models and Sportster® models are 5-speed) and carbon fiber belt final drive; multi-plate clutch with diaphragm spring in oil bath; and 2-year unlimited mileage warranty.

2

Measurement reflects 180 lb. (81.7 kg) operator weight.

3

Recommended 91 octane or higher fuel (R+M)/2.

4

Standard and optional wheels may vary by country and region.

5

Values shown are nominal. Performance may vary by country and region.

6

The combined fuel economy numbers were derived using a combination of estimated city and highway values. Fuel economy estimates are derived from US EPA exhaust emission certification data on a sample motorcycle from the corresponding family under ideal laboratory conditions. Your actual fuel economy will vary depending on your personal riding habits, road and driving conditions, vehicle condition and maintenance, tire pressure, vehicle configuration (parts and accessories), and vehicle loading (cargo, rider and passenger weight). Break-in mileage may vary.

7

North America security system includes immobilizer; outside North America the security system includes immobilizer and siren.

8

See motorcycle owner's manual for complete details.

9

Inspections of certain systems and components are required at 2,500 mile (4,000 km) intervals. See Owner's Manual for full details.