

# MODEL YEAR 2025 | SPORTSTER® S

| Dimensions                                                             | RH1250S Sportster® S                   | Notes |
|------------------------------------------------------------------------|----------------------------------------|-------|
| Length                                                                 | 89.4 in. (2,270 mm)                    |       |
| Overall Width                                                          | 33.1 in. (840 mm)                      |       |
| Overall Height                                                         | 42.7 in. (1,085 mm)                    |       |
| Seat Height, Laden                                                     | 28.9 in. (734 mm)                      | 2     |
| Seat Height, Laden (Low seat position)                                 |                                        |       |
| Seat Height, Laden (High seat position)                                |                                        |       |
| Seat Height, Laden (Low seat position with optional ARH suspension)    |                                        |       |
| Seat Height, Laden (High seat position with optional ARH suspension)   |                                        |       |
| Seat Height, Unladen                                                   | 30.1 in. (765 mm)                      |       |
| Seat Height, Unladen (Low seat position)                               |                                        |       |
| Seat Height, Unladen (High seat position)                              |                                        |       |
| Seat Height, Unladen (Low seat position with optional ARH suspension)  |                                        |       |
| Seat Height, Unladen (High seat position with optional ARH suspension) |                                        |       |
| Static Ground Clearance                                                | 3.5 in. (90 mm)                        |       |
| Dynamic Ground Clearance (with optional suspension)                    |                                        |       |
| Rake (steering head)                                                   | 30                                     |       |
| Fork Angle                                                             | 28                                     |       |
| Trail                                                                  | 5.8 in. (148 mm)                       |       |
| Wheelbase                                                              | 59.8 in. (1,520 mm)                    |       |
| Tires, Type                                                            | Dunlop® Harley-Davidson Series, radial |       |
| Tires, Front Model                                                     | GT503                                  |       |
| Tires, Front Specification                                             | 160/70R17 73V                          |       |
| Tires, Rear Model                                                      | GT503                                  |       |
| Tires, Rear Specification                                              | 180/70R16 77V                          |       |
| Fuel Capacity                                                          | 3.1 gal. (11.7 l)                      |       |

|                                                       |                  |  |
|-------------------------------------------------------|------------------|--|
| Reserve Fuel Capacity, Fuel Injection (warning light) | 0.8 gal. (3 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                                    | 487 lb. (221 kg) |  |
| Weight, In Running Order                              | 502 lb. (228 kg) |  |
| Gross Vehicle Weight Rating                           | 922 lb. (418 kg) |  |
| Gross Axle Weight Rating, Front                       | 359 lb. (163 kg) |  |
| Gross Axle Weight Rating, Rear                        | 595 lb. (270 kg) |  |
| Luggage Capacity -Volume                              | N/A              |  |

| Engine             | RH1250S Sportster® S                                                                                 | Notes |
|--------------------|------------------------------------------------------------------------------------------------------|-------|
| Engine             | Revolution® Max 1250T                                                                                |       |
| Valves             | Chain-driven, DOHC, hydraulic self-adjusting lifters, intake & exhaust VVT; four valves per cylinder |       |
| Bore               | 4.134 in. (105 mm)                                                                                   |       |
| Stroke             | 2.846 in. (72.3 mm)                                                                                  |       |
| Displacement       | 76.4 cu in (1,252 cc)                                                                                |       |
| Compression Ratio  | 12.0:1                                                                                               |       |
| Fuel System        | Electronic Sequential Port Fuel Injection (ESPFI)                                                    | 3     |
| Air Cleaner        | Downdraft intake, tuned velocity stacks, washable filter media                                       |       |
| Exhaust            | 2-into-1-into-2; catalyst in muffler                                                                 |       |
| Lubrication System | Semi-Dry Sump                                                                                        |       |

| Drivetrain                | RH1250S Sportster® S                          | Notes |
|---------------------------|-----------------------------------------------|-------|
| Primary Drive             | Gear, 49/89 ratio                             |       |
| Final Drive               | Belt, 34/80 ratio                             |       |
| Clutch                    | Mechanical, 8 plate wet, assist & slip, 1090N |       |
| Transmission              | 6-speed                                       |       |
| Gear Ratios (overall) 1st | 12.21                                         |       |

|                           |       |  |
|---------------------------|-------|--|
| Gear Ratios (overall) 2nd | 9.022 |  |
| Gear Ratios (overall) 3rd | 6.994 |  |
| Gear Ratios (overall) 4th | 5.641 |  |
| Gear Ratios (overall) 5th | 4.731 |  |
| Gear Ratios (overall) 6th | 4.131 |  |

| <b>Chassis</b>                         | <b>RH1250S Sportster® S</b>                                                                                                                  | <b>Notes</b> |
|----------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|--------------|
| Frame                                  | Stressed-member, high strength low alloy steel trellis frame; stamped, cast, and forged junctions; MIG welded; aluminum forged mid-structure |              |
| Swingarm                               | High strength low alloy steel, tubular sections, stamped x-member, forged axle junctions; MIG welded                                         |              |
| Front Fork                             | 43 mm inverted fork with compression, rebound and spring preload adjustability. Aluminum fork triple clamps.                                 |              |
| Front Fork, Optional                   |                                                                                                                                              |              |
| Rear Shocks                            | Linkage-mounted, piggyback monoshock with compression, rebound and hydraulic spring preload adjustability                                    |              |
| Rear Shocks, Optional                  |                                                                                                                                              |              |
| Wheels, Optional Style Type            | N/A                                                                                                                                          | 4            |
| Wheels, Front Type                     | Aluminum cast, satin black                                                                                                                   | 4            |
| Wheels, Front Diameter                 | 17 in. (432 mm)                                                                                                                              |              |
| Wheels, Front Width                    | 4.5 in. (114 mm)                                                                                                                             |              |
| Wheels, Rear Type                      | Aluminum cast, satin black                                                                                                                   | 4            |
| Wheels, Rear Diameter                  | 16 in. (406 mm)                                                                                                                              |              |
| Wheels, Rear Width                     | 5 in. (127 mm)                                                                                                                               |              |
| Brakes, Caliper Type                   | Front: radially mounted, monoblock, 4-piston caliper<br>Rear: floating, single piston caliper                                                |              |
| Brakes, Rotor Type                     | Front: single rotor, floating, tower-mounted<br>Rear: solid uniform expansion rotor                                                          |              |
| Brakes, Front Diameter                 | 12.6 in. (320 mm)                                                                                                                            |              |
| Brakes, Front Thickness                | 0.2 in. (5 mm)                                                                                                                               |              |
| Brakes, Front is dual                  | No                                                                                                                                           |              |
| Brakes, Rear Diameter                  | 10.2 in. (260 mm)                                                                                                                            |              |
| Brakes, Rear Thickness                 | 0.2 in. (5 mm)                                                                                                                               |              |
| Brakes, Anti-Lock Braking System (ABS) | Standard                                                                                                                                     |              |

|                          |                 |  |
|--------------------------|-----------------|--|
| Suspension Travel, Front | 3.6 in. (92 mm) |  |
| Suspension Travel, Rear  | 3.2 in. (82 mm) |  |

| <b>Performance</b>           | <b>RH1250S Sportster® S</b> | <b>Notes</b> |
|------------------------------|-----------------------------|--------------|
| Engine Torque Testing Method | J1349                       |              |
| Engine Torque                | 93 ft-lb (126 Nm)           | 5            |
| Engine Torque (rpm)          | 6,000                       |              |
| Power                        | 121 HP / 90 kW @ 7500 rpm   |              |
| Lean Angle Testing Method    | J1168                       |              |
| Lean Angle, Right (deg.)     | 35                          |              |
| Lean Angle, Left (deg.)      | 35                          |              |

| <b>Electric</b>                                         | <b>RH1250S Sportster® S</b>                                                                                                                                                                                                                                                                 | <b>Notes</b> |
|---------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|
| 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            | All LED headlamp, low and high beam with signature position lighting                                                                                                                                                                                                                        |              |
| Lights (as per country regulation), Tail/Stop           | All LED rear lighting                                                                                                                                                                                                                                                                       |              |
| Lights (as per country regulation), Front Signal Lights | LED Bullet Turn Signals                                                                                                                                                                                                                                                                     |              |
| Lights, Rear Turn Signals                               | LED Bullet Turn Signals                                                                                                                                                                                                                                                                     |              |
| Gauges                                                  | 4 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                                                                                                                                                                                                                                                                                         |              |

| <b>Fuel Economy &amp; CO<sub>2</sub> Emissions</b> | <b>RH1250S Sportster® S</b> | <b>Notes</b> |
|----------------------------------------------------|-----------------------------|--------------|
| Fuel Economy Testing Method                        | Estimated City/Hwy          |              |
| Fuel Economy                                       | 49 mpg (4.8 l/100 km)       |              |

| <b>Infotainment</b>                                                  | <b>RH1250S Sportster® S</b>                          | <b>Notes</b> |
|----------------------------------------------------------------------|------------------------------------------------------|--------------|
| Infotainment system                                                  | N/A                                                  |              |
| Screen Size                                                          | 4 in (102 mm)                                        |              |
| Type                                                                 | Color TFT                                            |              |
| Watts Per Channel                                                    | N/A                                                  |              |
| Speakers                                                             | N/A                                                  |              |
| Speaker Size                                                         | N/A                                                  |              |
| Headset Specifications (if equipped)                                 | Bluetooth                                            |              |
| AM                                                                   | N/A                                                  |              |
| FM                                                                   | N/A                                                  |              |
| MW                                                                   | N/A                                                  |              |
| LW                                                                   | N/A                                                  |              |
| Weather Band (WB)                                                    | N/A                                                  |              |
| SD Card, Flash Drive and MP3 - via USB Connection                    | N/A                                                  |              |
| Hands-free Mobile Phone - via Bluetooth                              | Standard                                             |              |
| Voice Recognition Languages: Phone functions only                    | Phone dependent                                      |              |
| Rider/Passenger Intercom                                             | Headset function only                                |              |
| Vehicle Information Screen (Air temperature, oil pressure and EITMS) | TPMS, Engine temp, Battery Voltage, Ambient Air Temp |              |
| Text-to-Speech (TTS) Languages                                       | Phone dependent                                      |              |
| USB                                                                  | Charging and Instrument update, USB-C, 5V, 3A        |              |
| Phone Connectivity                                                   | N/A                                                  |              |
| Bluetooth                                                            | Phone/Media Supported                                |              |
| Navigation - via Bluetooth                                           | H-D Mobile App                                       |              |

| <b>Rider Safety Enhancements</b> | <b>RH1250S Sportster® S</b> | <b>Notes</b> |
|----------------------------------|-----------------------------|--------------|
|----------------------------------|-----------------------------|--------------|

|                                        |          |  |
|----------------------------------------|----------|--|
| Anti-lock Brake System (ABS)           | Included |  |
| Electronic Linked Braking (ELB)        | N/A      |  |
| Traction Control System (TCS)          | Included |  |
| Drag-torque Slip Control System (DSCS) | Included |  |
| Vehicle Hold Control (VHC)             | N/A      |  |
| Tire Pressure Monitoring System (TPMS) | Included |  |
| Wheel Lift Mitigation                  | Included |  |

| <b>Cornering Rider Safety Enhancements</b>           | <b>RH1250S Sportster® S</b> | <b>Notes</b> |
|------------------------------------------------------|-----------------------------|--------------|
| Cornering Enhanced Anti-lock Brake System (C-ABS)    | Included                    |              |
| Cornering Enhanced Electronic Linked Braking (C-ELB) | N/A                         |              |
| Cornering Enhanced Traction Control System (C-TCS)   | Included                    |              |
| Cornering Drag-Torque Slip Control System (C-DSCS)   | Included                    |              |
| Enhanced Lift Mitigation                             | Included                    |              |

| <b>Warranty And Service</b> | <b>RH1250S Sportster® S</b>                                           | <b>Notes</b> |
|-----------------------------|-----------------------------------------------------------------------|--------------|
| Warranty                    | 24 months (unlimited mileage)                                         | 6            |
| Service Interval            | First 1,000 miles (1,600 km), every 5,000 miles (8,000 km) thereafter | 7            |

| <b>Footnotes</b> | <b>RH1250S Sportster® S</b>                                                                                                                                                                                                                                                                                                                                                                                                                                           |  |
|------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| 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 |  |

|   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |
|---|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
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| 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 | See motorcycle owner's manual for complete details.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |
| 7 | Inspections of certain systems and components are required at 2,500 mile (4,000 km) intervals. See Owner's Manual for full details.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |

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