## 2019 STI<sup>®</sup> S209

## Specifications

| Body              | 4-door wide-body design, 5-passenger; STI aerodynamic enhancements; carbon fiber roof panel   |
|-------------------|---|
| Engine            | 4-cylinder SUBARU BOXER, turbocharged/intercooled; specially reinforced die-cast aluminum cylinder block with integral cast iron cylinder liners, five main bearings, and semi-closed deck cylinder block design  |
| Displacement      | 2,457cc   |
| Bore x Stroke     | 99.6mm x 79.0mm   |
| Heads/Valvetrain  | Aluminum alloy cylinder heads with belt-driven double overhead camshafts (DOHC), four valves per cylinder, Subaru Dual Active Valve Control System (DAVCS) variable valve timing (operates on intake and exhaust valves); higher-rate exhaust valve springs; sodium-filled exhaust valves; SI-DRIVE Engine Performance Management system                          |
| Compression ratio | 8.2:1   |
| Fuel/Induction    | Aluminum alloy intake manifold, sequential multi-port fuel injection (MFI) with higher-flow fuel pump and injectors; electronic throttle control (ETC) system, high-flow air intake system, HKS® high-boost turbocharger, high-flow intercooler with water spray system   |
| Max. boost        | 18.9 psi  |
| Horsepower        | 341 @ 6,400 rpm   |
| Torque            | 330 lb-ft @ 3,600 rpm   |
| Ignition          | Direct  |
| Fuel requirement  | 91 AKI minimum; 93 AKI recommended for maximum performance  |
| All-Wheel Drive   | Symmetrical All-Wheel Drive with Multi-Mode Driver Control Center Differential (DCCD) featuring three performance modes and six driver-selectable differential locking settings; electronically controlled limited-slip center differential; helical limited-slip front differential and TORSEN® limited-slip rear differential, and steering angle input sensor. |
|                   | Nominal torque split is 41:59 and varies depending on conditions.   |
| Stability system  | Multi-mode Vehicle Dynamics Control (VDC) stability and traction control system with yaw-rate sensor; Active Torque Vectoring   |
| Transmission      | 6-speed manual  |
| Gear ratios       | 1 3.636<br>2 2.235<br>3 1.591<br>4 1.138<br>5 0.971<br>6 0.756<br>R 3.545   |
| Final drive       | 3.900   |
| Chassis           | Unitized body construction with Ring-shaped Frame Reinforcement structure; high-tensile steel reinforcements at key structural and suspension-mounting locations  |
| Suspension        | 4-wheel independent, high-performance STI sport-tuned with inverted front   |
|                   |   |

| Bilstein® dampers and lowering springs; STI crossmember support components; STI flexible draw stiffeners apply moderate tension between the body and crossmember to help prevent chassis flexing  Front Inverted struts with forged aluminum-alloy lower A-arms with pillow ball joint mount, coil springs, 24mm stabilizer bar  Rear Double-wishbone type with coil springs and damper units, stiffener bar, 20mm stabilizer bar  Brakes Brembo® Performance Brake System, power assisted 4-wheel disc with 4-channel, 4-sensor Super-Sport Anti-lock Brake System (ABS) with g-sensor; Electronic Brake-force Distribution (EBD), Brake Assist and Brake Overring and the constant of the co |                            |  |
|--|----------------------------|--|
| Rear Double-wishbone type with coil springs and damper units, stiffener bar, 20mm stabilizer bar  Brakes Brembo® Performance Brake System, power assisted 4-wheel disc with 4-channel, 4-sensor Super-Sport Anti-lock Brake System (ABS) with g-sensor, Electronic Brake-force Distribution (EBD), Brake Assist and Brake Override  Front disc 13.4 in. ventilated and cross-drilled with dual-piston monoblock calipers  Rear disc 12.8 in. ventilated and cross-drilled with dual-piston monoblock calipers  Steering Quick-ratio hydraulic power assisted rack-and-pinion  Ratio 13.3:1  Turns, lock-to-lock 2.30  Turning circle 40.0 ft.  Wheels BBS® 19 x 9.0 forged alloy  Tires 265/35R19 Dunlop® SP Sport Maxx® GT600A summer-only tires  Exterior Dimensions  Wheelbase 104.3 in.  Length 181.9 in.  Height 58.1 in.  Width 72.4 in.  Track (front/rear) 60.8 in. / 61.2 in.  Road clearance 4.9 in.  Curb weight 3,485 lb.  Interior Dimensions  Headroom Front: 39.8 in.  Rear: 37.1 in.  Legroom Front: 43.3 in. Rear: 35.4 in.  Hip room Front: 55.6 in. Rear: 54.2 in.  Shoulder room Front: 55.6 in. Rear: 54.2 in.  EPA passenger volume  EPA trunk volume  Funt: 52.1/17 mpg  City / highway / combined mpg  Tive in the control spirite with coil spirite with dual-piston monoblock calipers with decided and cross-drilled with dual-piston monoblock calipers  Super-Sport Anti-Legroom pronts of the control of the |                            | center; STI flexible draw stiffeners apply moderate tension between the body |
| Brakes Brembo® Performance Brake System, power assisted 4-wheel disc with 4-channel, 4-sensor Super-Sport Anti-lock Brake System (ABS) with g-sensor; Electronic Brake-force Distribution (EBD), Brake Assist and Brake Override  Front disc 13.4 in. ventilated and cross-drilled with 6-piston monoblock calipers  Rear disc 12.8 in. ventilated and cross-drilled with dual-piston monoblock calipers  Steering Quick-ratio hydraulic power assisted rack-and-pinion  Ratio 13.3:1  Turns, lock-to-lock 2.30  Turning circle 40.0 ft.  Wheels BBS® 19 x 9.0 forged alloy  Tires 265/35R19 Dunlop® SP Sport Maxx® GT600A summer-only tires  Exterior Dimensions  Wheelbase 104.3 in.  Length 181.9 in.  Height 58.1 in.  Width 72.4 in.  Track (front/rear) 60.8 in. / 61.2 in.  Road clearance 4.9 in.  Curb weight 3,485 lb.  Interior Dimensions  Headroom Front: 39.8 in.  Rear: 37.1 in.  Legroom Front: 52.1 in. Rear: 53.1 in.  Shoulder room Front: 52.1 in. Rear: 54.2 in.  EPA passenger volume  EPA trunk volume 11.8 cu. ft.  Fuel Economy  City / highway / combined mpg  City / highway / combined mpg   | Front                      |  |
| 4-channel, 4-sensor Super-Sport Anti-lock Brake System (ABS) with g-sensor; Electronic Brake-force Distribution (EBD), Brake Assist and Brake Override  13.4 in. ventilated and cross-drilled with 6-piston monoblock calipers  Rear disc 12.8 in. ventilated and cross-drilled with dual-piston monoblock calipers  Steering Quick-ratio hydraulic power assisted rack-and-pinion  Ratio 13.3:1  Turns, lock-to-lock 2.30  Turning circle 40.0 ft.  Wheels BBS® 19 x 9.0 forged alloy  Tires 265/35R19 Dunlop® SP Sport Maxx® GT600A summer-only tires  Exterior Dimensions  Wheelbase 104.3 in.  Length 181.9 in.  Height 58.1 in.  Width 72.4 in.  Track (front/rear) 60.8 in. / 61.2 in.  Road clearance 4.9 in.  Curb weight 3,485 lb.  Interior Dimensions  Headroom Front: 39.8 in. Rear: 37.1 in.  Legroom Front: 43.3 in. Rear: 35.4 in.  Hip room Front: 52.1 in. Rear: 53.1 in.  Shoulder room Front: 52.1 in. Rear: 54.2 in.  EPA passenger volume  EPA trunk volume  Full Economy  City / highway / combined mpg  City / highway / combined mpg  City / highway / combined mpg  | Rear                       | stabilizer bar   |
| Rear disc Steering Quick-ratio hydraulic power assisted rack-and-pinion Ratio 13.3:1  Turns, lock-to-lock 2.30  Turning circle Wheels BBS® 19 x 9.0 forged alloy Tires 265/35R19 Dunlop® SP Sport Maxx® GT600A summer-only tires  Exterior Dimensions Wheelbase 104.3 in. Length 181.9 in. Height 58.1 in. Width 72.4 in. Track (front/rear) Road clearance 4.9 in. Curb weight Interior Dimensions  Headroom Front: 39.8 in. Rear: 37.1 in. Legroom Hip room SPA passenger volume EPA trunk volume Fuel Economy City / highway / combined mpg  15/21/17 mpg  Commanded  2.30  | Brakes                     | 4-channel, 4-sensor Super-Sport Anti-lock Brake System (ABS) with g-sensor;  |
| Steering Quick-ratio hydraulic power assisted rack-and-pinion Ratio 13.3:1  Turns, lock-to-lock 2.30  Turning circle 40.0 ft.  Wheels BBS® 19 x 9.0 forged alloy  Tires 265/35R19 Dunlop® SP Sport Maxx® GT600A summer-only tires  Exterior Dimensions  Wheelbase 104.3 in.  Length 181.9 in.  Height 58.1 in.  Width 72.4 in.  Track (front/rear) 60.8 in. / 61.2 in.  Road clearance 4.9 in.  Curb weight 3,485 lb.  Interior Dimensions  Headroom Front: 39.8 in. Rear: 37.1 in.  Legroom Front: 43.3 in. Rear: 53.4 in.  Hip room Front: 52.1 in. Rear: 53.1 in.  Shoulder room Front: 55.6 in. Rear: 54.2 in.  EPA passenger volume  EPA trunk volume  EPA trunk volume  Fuel Economy  City / highway / combined mpg  Tirrs 40.0 forget alloy  15/21/17 mpg   | Front disc                 | 13.4 in. ventilated and cross-drilled with 6-piston monoblock calipers       |
| Ratio 13.3:1  Turns, lock-to-lock 2.30  Turning circle 40.0 ft.  Wheels BBS® 19 x 9.0 forged alloy  Tires 265/35R19 Dunlop® SP Sport Maxx® GT600A summer-only tires  Exterior Dimensions  Wheelbase 104.3 in.  Length 181.9 in.  Height 58.1 in.  Width 72.4 in.  Track (front/rear) 60.8 in. / 61.2 in.  Road clearance 4.9 in.  Curb weight 3,485 lb.  Interior Dimensions  Headroom Front: 39.8 in. Rear: 37.1 in.  Legroom Front: 43.3 in. Rear: 35.4 in.  Hip room Front: 55.6 in. Rear: 53.1 in.  Shoulder room Front: 55.6 in. Rear: 54.2 in.  EPA passenger volume  EPA trunk volume  Fuel Economy  City / highway / combined mpg  15/21/17 mpg  | Rear disc                  | 12.8 in. ventilated and cross-drilled with dual-piston monoblock calipers    |
| Turns, lock-to-lock Turning circle 40.0 ft.  Wheels BBS® 19 x 9.0 forged alloy Tires 265/35R19 Dunlop® SP Sport Maxx® GT600A summer-only tires  Exterior Dimensions  Wheelbase 104.3 in. Length 181.9 in. Height 58.1 in. Width 72.4 in. Track (front/rear) 60.8 in. / 61.2 in. Road clearance 4.9 in. Curb weight 3,485 lb.  Interior Dimensions  Headroom Front: 39.8 in. Rear: 37.1 in. Legroom Front: 52.1 in. Rear: 53.1 in. Shoulder room Front: 55.6 in. Rear: 54.2 in. EPA passenger volume EPA trunk volume Fuel Economy City / highway / combined mpg  City / highway / combined mpg  Tires 265/35R19 Dunlop® SP Sport Maxx® GT600A summer-only tires EPA front Maxx® GT600A summer-only tires EPA front Maxx® GT600A summer-only tires EPA passenger volume 104.3 in. Rear: 34.1 in. Rear: 35.4 in. Rear: 54.2 in. Fuel Economy  City / highway / combined mpg  | Steering                   | Quick-ratio hydraulic power assisted rack-and-pinion                         |
| Turning circle 40.0 ft.  Wheels BBS® 19 x 9.0 forged alloy  Tires 265/35R19 Dunlop® SP Sport Maxx® GT600A summer-only tires  Exterior Dimensions  Wheelbase 104.3 in.  Length 181.9 in.  Height 58.1 in.  Width 72.4 in.  Track (front/rear) 60.8 in. / 61.2 in.  Road clearance 4.9 in.  Curb weight 3,485 lb.  Interior Dimensions  Headroom Front: 39.8 in. Rear: 37.1 in.  Legroom Front: 43.3 in. Rear: 35.4 in.  Hip room Front: 52.1 in. Rear: 53.1 in.  Shoulder room Front: 55.6 in. Rear: 54.2 in.  EPA passenger volume  EPA trunk volume 11.8 cu. ft.  Fuel Economy  City / highway / combined mpg  City / highway / combined mpg  Tout 52.1/17 mpg  Combined mpg  City / highway / combined mpg  Tout 52.1/17 mpg   | Ratio                      | 13.3:1   |
| Tires 265/35R19 Dunlop® SP Sport Maxx® GT600A summer-only tires  Exterior Dimensions  Wheelbase 104.3 in.  Length 181.9 in.  Height 58.1 in.  Width 72.4 in.  Track (front/rear) 60.8 in. / 61.2 in.  Road clearance 4.9 in.  Curb weight 3,485 lb.  Interior Dimensions  Headroom Front: 39.8 in.  Rear: 37.1 in.  Legroom Front: 43.3 in. Rear: 35.4 in.  Hip room Front: 52.1 in. Rear: 53.1 in.  Shoulder room Front: 55.6 in. Rear: 54.2 in.  EPA passenger volume  EPA trunk volume 11.8 cu. ft.  Fuel Economy  City / highway / combined mpg  15/21/17 mpg  | Turns, lock-to-lock        | 2.30   |
| Tires 265/35R19 Dunlop® SP Sport Maxx® GT600A summer-only tires  Exterior Dimensions  Wheelbase 104.3 in.  Length 181.9 in.  Height 58.1 in.  Width 72.4 in.  Track (front/rear) 60.8 in. / 61.2 in.  Road clearance 4.9 in.  Curb weight 3,485 lb.  Interior Dimensions  Headroom Front: 39.8 in. Rear: 37.1 in.  Legroom Front: 43.3 in. Rear: 35.4 in.  Hip room Front: 52.1 in. Rear: 53.1 in.  Shoulder room Front: 55.6 in. Rear: 54.2 in.  EPA passenger volume  EPA trunk volume 11.8 cu. ft.  Fuel Economy  City / highway / combined mpg   | Turning circle             | 40.0 ft.   |
| Exterior Dimensions         104.3 in.           Length         181.9 in.           Height         58.1 in.           Width         72.4 in.           Track (front/rear)         60.8 in. / 61.2 in.           Road clearance         4.9 in.           Curb weight         3,485 lb.           Interior Dimensions           Headroom         Front: 39.8 in. Rear: 37.1 in.           Legroom         Front: 43.3 in. Rear: 35.4 in.           Hip room         Front: 52.1 in. Rear: 53.1 in.           Shoulder room         Front: 55.6 in. Rear: 54.2 in.           EPA passenger volume         96.6 cu. ft.           EPA trunk volume         11.8 cu. ft.           Fuel Economy           City / highway / combined mpg         15/21/17 mpg  | Wheels                     | BBS® 19 x 9.0 forged alloy   |
| Exterior Dimensions         104.3 in.           Length         181.9 in.           Height         58.1 in.           Width         72.4 in.           Track (front/rear)         60.8 in. / 61.2 in.           Road clearance         4.9 in.           Curb weight         3,485 lb.           Interior Dimensions           Headroom         Front: 39.8 in. Rear: 37.1 in.           Legroom         Front: 43.3 in. Rear: 35.4 in.           Hip room         Front: 52.1 in. Rear: 53.1 in.           Shoulder room         Front: 55.6 in. Rear: 54.2 in.           EPA passenger volume         96.6 cu. ft.           EPA trunk volume         11.8 cu. ft.           Fuel Economy           City / highway / combined mpg         15/21/17 mpg  | Tires                      | 265/35R19 Dunlop® SP Sport Maxx® GT600A summer-only tires                    |
| Length       181.9 in.         Height       58.1 in.         Width       72.4 in.         Track (front/rear)       60.8 in. / 61.2 in.         Road clearance       4.9 in.         Curb weight       3,485 lb.         Interior Dimensions         Headroom       Front: 39.8 in.<br>Rear: 37.1 in.         Legroom       Front: 43.3 in. Rear: 35.4 in.         Hip room       Front: 52.1 in. Rear: 53.1 in.         Shoulder room       Front: 55.6 in. Rear: 54.2 in.         EPA passenger volume       96.6 cu. ft.         EPA trunk volume       11.8 cu. ft.         Fuel Economy       15/21/17 mpg   | <b>Exterior Dimensions</b> |  |
| Height 58.1 in.  Width 72.4 in.  Track (front/rear) 60.8 in. / 61.2 in.  Road clearance 4.9 in.  Curb weight 3,485 lb.  Interior Dimensions  Headroom Front: 39.8 in. Rear: 37.1 in.  Legroom Front: 43.3 in. Rear: 35.4 in.  Hip room Front: 52.1 in. Rear: 53.1 in.  Shoulder room Front: 55.6 in. Rear: 54.2 in.  EPA passenger volume  EPA trunk volume 11.8 cu. ft.  Fuel Economy  City / highway / combined mpg  15/21/17 mpg  | Wheelbase                  | 104.3 in.  |
| Width 72.4 in.  Track (front/rear) 60.8 in. / 61.2 in.  Road clearance 4.9 in.  Curb weight 3,485 lb.  Interior Dimensions  Headroom Front: 39.8 in. Rear: 37.1 in.  Legroom Front: 43.3 in. Rear: 35.4 in.  Hip room Front: 52.1 in. Rear: 53.1 in.  Shoulder room Front: 55.6 in. Rear: 54.2 in.  EPA passenger volume  EPA trunk volume 11.8 cu. ft.  Fuel Economy  City / highway / combined mpg   | Length                     | 181.9 in.  |
| Track (front/rear) 60.8 in. / 61.2 in.  Road clearance 4.9 in.  Curb weight 3,485 lb.  Interior Dimensions  Headroom Front: 39.8 in. Rear: 37.1 in.  Legroom Front: 43.3 in. Rear: 35.4 in.  Hip room Front: 52.1 in. Rear: 53.1 in.  Shoulder room Front: 55.6 in. Rear: 54.2 in.  EPA passenger volume  EPA trunk volume 11.8 cu. ft.  Fuel Economy  City / highway / combined mpg  15/21/17 mpg   | Height                     | 58.1 in.   |
| Road clearance 4.9 in.  Curb weight 3,485 lb.  Interior Dimensions  Headroom Front: 39.8 in. Rear: 37.1 in.  Legroom Front: 43.3 in. Rear: 35.4 in.  Hip room Front: 52.1 in. Rear: 53.1 in.  Shoulder room Front: 55.6 in. Rear: 54.2 in.  EPA passenger volume Pep Headroom Front: 55.6 in. Rear: 54.2 in.  EPA trunk volume 11.8 cu. ft.  Fuel Economy  City / highway / combined mpg   | Width                      | 72.4 in.   |
| Curb weight 3,485 lb.  Interior Dimensions  Headroom Front: 39.8 in. Rear: 37.1 in.  Legroom Front: 43.3 in. Rear: 35.4 in.  Hip room Front: 52.1 in. Rear: 53.1 in.  Shoulder room Front: 55.6 in. Rear: 54.2 in.  EPA passenger volume PeA trunk volume 11.8 cu. ft.  Fuel Economy  City / highway / combined mpg  Tront: 55.6 in. Rear: 54.2 in.  | Track (front/rear)         | 60.8 in. / 61.2 in.  |
| Interior Dimensions  Headroom Front: 39.8 in. Rear: 37.1 in.  Legroom Front: 43.3 in. Rear: 35.4 in.  Hip room Front: 52.1 in. Rear: 53.1 in.  Shoulder room Front: 55.6 in. Rear: 54.2 in.  EPA passenger volume  EPA trunk volume 11.8 cu. ft.  Fuel Economy  City / highway / combined mpg  Tront: 39.8 in. Rear: 35.4 in. Rear: 53.1 in. Rear: 54.2 in.  Fuel Economy  15/21/17 mpg  | Road clearance             | 4.9 in.  |
| Headroom Front: 39.8 in. Rear: 37.1 in.  Legroom Front: 43.3 in. Rear: 35.4 in.  Hip room Front: 52.1 in. Rear: 53.1 in.  Shoulder room Front: 55.6 in. Rear: 54.2 in.  EPA passenger volume  EPA trunk volume 11.8 cu. ft.  Fuel Economy  City / highway / combined mpg   | Curb weight                | 3,485 lb.  |
| Rear: 37.1 in.  Legroom Front: 43.3 in. Rear: 35.4 in.  Hip room Front: 52.1 in. Rear: 53.1 in.  Shoulder room Front: 55.6 in. Rear: 54.2 in.  EPA passenger volume  EPA trunk volume 11.8 cu. ft.  Fuel Economy  City / highway / combined mpg  | Interior Dimensions        |  |
| Legroom Front: 43.3 in. Rear: 35.4 in.  Hip room Front: 52.1 in. Rear: 53.1 in.  Shoulder room Front: 55.6 in. Rear: 54.2 in.  EPA passenger volume  EPA trunk volume 11.8 cu. ft.  Fuel Economy  City / highway / combined mpg  | Headroom                   | · · · · · · · · · · · · · · · · · · ·  |
| Hip room Front: 52.1 in. Rear: 53.1 in. Shoulder room Front: 55.6 in. Rear: 54.2 in.  EPA passenger volume EPA trunk volume 11.8 cu. ft.  Fuel Economy 15/21/17 mpg combined mpg   |                            |  |
| Shoulder room Front: 55.6 in. Rear: 54.2 in.  EPA passenger volume 96.6 cu. ft.  EPA trunk volume 11.8 cu. ft.  Fuel Economy 15/21/17 mpg combined mpg   | _                          |  |
| EPA passenger volume  EPA trunk volume  11.8 cu. ft.  Fuel Economy  City / highway / combined mpg  96.6 cu. ft.  11.8 cu. ft.  |                            |  |
| volume  EPA trunk volume  11.8 cu. ft.  Fuel Economy  City / highway / combined mpg  15/21/17 mpg  |                            |  |
| EPA trunk volume 11.8 cu. ft.  Fuel Economy  City / highway / combined mpg 15/21/17 mpg  |                            | 9ο.ο Cu. π.  |
| Fuel Economy  City / highway /   |                            | 11.8 cu. ft.   |
| combined mpg   |                            |  |
|  |                            | 15/21/17 mpg   |
|  |                            | 15.9 gal   |