

# THE 2005 MODEL YEAR JAGUAR S-TYPE SPECIFICATIONS



Manufacturing location: Castle Bromwich, Birmingham, UK  
Imported via Newark, Oxnard, & Brunswick

## USA SPECIFICATIONS FOR S-TYPE

|                          | 3.0 LITER   | 4.2 LITER  | S-TYPE R   |
|--------------------------|---|--|--|
| <b>ENGINE</b>            |   |  |  |
| Type                     | 60° V6, aluminum alloy cylinder head/block, DOHC, 4 valves per cylinder | 90° V8, aluminum alloy cylinder head/block, DOHC, 4 valves per cylinder                | 90° V8, aluminum alloy cylinder head/block, DOHC, 4 valves per cylinder                |
| Bore                     | 3.50 in.  | 3.39 in.   | 3.39 in.   |
| Stroke                   | 3.13 in.  | 3.56 in.   | 3.56 in.   |
| Displacement             | 3.0 liter   | 4.2 liter  | 4.2 liter  |
| Compression Ratio        | 10.5:1  | 11.0:1   | 9.1:1  |
| Crankshaft               | Steel, 4 main bearings  | 5 main bearings  | 5 main bearings  |
| Connecting Rods          | Sintered forged; fracture split   | Sintered forged; fracture split  | Sintered forged; fracture split  |
| Pistons                  | Cast aluminum pistons<br>steel cylinder liners                          | Cast aluminum pistons, three piece<br>oil control ring, cast iron cylinders            | Forged aluminum with 2 piece ultra<br>compact oil control ring, cast iron cylinders    |
| Lubrication              | Inner/outer rotor type pump   | Eccentric rotor pump, 4.7 bar<br>regulated pressure, jet lubrication<br>of chain drive | Eccentric rotor pump, 4.7 bar<br>regulated pressure, jet lubrication<br>of chain drive |
| Cam Phasing              | Continuously variable valve timing                                      | Continuously variable valve timing   | Fixed cam phasing  |
| Induction                | Naturally aspirated 3 stage variable geometry<br>upper intake manifold  | Naturally aspirated 3 stage variable geometry<br>upper intake manifold                 | Supercharged Eaton Roots type with rotors<br>driven by helical gears                   |
| Camshaft Drive           | Two silent chain drives, one hydraulic<br>tensioner per chain           | Inverted tooth silent chain drive  | Inverted tooth silent chain drive  |
| Valve Actuation          | Direct acting mechanical bucket tappets                                 | Direct acting mechanical bucket tappets  | Direct acting mechanical bucket tappets  |
| Engine Management        | Denso 32-bit  | Denso 32-bit   | Denso 32-bit   |
| Engine Control           | Electronic throttle   | Electronic throttle  | Electronic throttle  |
| Ignition                 | Electronic  | Electronic   | Electronic   |
| Fuel Delivery            | Electronic returnless system single<br>electric fuel pump               | Electronic returnless system single<br>electric fuel pump                              | Electronic returnless system twin<br>electric fuel pumps                               |
| Fuel Injection           | Electronic multiport Denso 12 hole<br>fuel injectors                    | Electronic multiport Denso 12 hole<br>fuel injectors                                   | Electronic multiport Denso 12 hole<br>fuel injectors                                   |
| Exhaust                  | Stainless steel tuned manifolds   | Stainless steel tuned manifolds  | Stainless steel tuned manifolds  |
| Emissions Control        | 3-way catalysts   | 3-way catalysts  | 3-way catalysts  |
| Horsepower (SAE)         | 235@6800 rpm  | 294@6000 rpm   | 390@6100 rpm   |
| Maximum Torque           | 216@4100 rpm  | 303@4100 rpm   | 399@3500 rpm   |
| <b>PERFORMANCE</b>       |   |  |  |
| 0-60 mph                 | 7.5 sec.  | 6.2 sec.   | 5.3 sec.   |
| Maximum speed            | 121 mph, electronically limited   | 121 mph, electronically limited  | 155 mph, electronically limited  |
| Coefficient of Drag (Cd) | 0.31  | 0.31   | 0.31   |

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|----------------------|---|---|--|
| <b>DRIVETRAIN</b>    |   |   |  |
| Configuration        | Front engine, rear drive  | Front engine, rear drive  | Front engine, rear drive   |
| Transmission         | 6-speed automatic, ZF6HP26  | 6-speed automatic, ZF6HP26  | 6-speed automatic, ZF6HP26   |
| Transmission Control | Mechatronic   | Mechatronic   | Mechatronic  |
| Torque Converter     | Lock up available on all forward gears  | Lock up available on all forward gears  | Lock up available on all forward gears   |
| Gear Ratios          | 1st - 4.17:1<br>2nd - 2.30:1<br>3rd - 1.52:1<br>4th - 1.14:1<br>5th - 0.87:1<br>6th - 0.69:1<br>Reverse - 3.40:1  | 4.17:1<br>2.30:1<br>1.52:1<br>1.14:1<br>0.87:1<br>0.69:1<br>3.40:1  | 4.17:1<br>2.30:1<br>1.52:1<br>1.14:1<br>0.87:1<br>0.69:1<br>3.40:1   |
| Final drive          | 3.31:1  | 2.87:1  | 2.87:1   |
| <b>SUSPENSION</b>    |   |   |  |
| Front                | Independent forged aluminum double wishbone design with unequal length, upper and lower wishbones. Spring over shock spring/damper assembly, 32mm anti-roll bar | Independent forged aluminum double wishbone design with unequal length, upper and lower wishbones. Spring over shock spring/damper assembly, 32mm anti-roll bar | Independent forged aluminum double wishbone design with unequal length, upper and lower wishbone. R-Performance tuned computer active technology suspension with two-stage damping, 32mm anti-roll bar |
| Rear                 | Independent double wishbone design. Coil spring coaxial with damper. Spring over shock spring/damper assembly, 18mm anti-roll bar                               | Independent double wishbone design. Coil spring coaxial with damper. Spring over shock spring/damper assembly, 18mm anti-roll bar                               | Independent double wishbone design. R-Performance tuned computer active technology suspension with two stage damping, 18mm anti-roll bar   |
| <b>BRAKES</b>        |   |   |  |
| System               | Electronically controlled 4-channel anti-lock brake system with Electronic Stability Braking System (ESBS)<br>Electronic parking brake                          | Electronically controlled 4-channel anti-lock brake system with Electronic Stability Braking System (ESBS)<br>Electronic parking brake                          | Electronically controlled 4-channel anti-lock brake system with Electronic Stability Braking System (ESBS)<br>Electronic parking brake   |
| Front                | Ventilated discs, 300mm x 30mm, twin piston aluminum caliper  | Ventilated discs, 300mm x 30mm, twin piston aluminum caliper  | Ventilated discs, 365mm x 32mm, Brembo four piston monoblock caliper   |
| Rear                 | Ventilated discs, 288mm x 20mm, twin piston aluminum caliper  | Ventilated discs, 288mm x 20mm, twin piston aluminum caliper  | Solid disc, 300mm x 15mm, Brembo four piston aluminum caliper  |
| Hoses                | Steel braided   | Steel braided   | Steel braided  |

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|-------------------------------|---|---|---|
| <b>WHEELS</b>                 |   |   |   |
| Size and Style                | 17 x 7.5-in. alloy, Kronos  | 17 x 7.5-in. alloy, Juno  | 18 x 8-in. / 18 x 9.5-in. alloy, Vulcan   |
| Spare                         | Space saver spare   | Space saver spare   | Space saver spare   |
| Tires                         | 235/50 R17  | 235/50 R17  | Front: 245/40 ZR18 / Rear: 275/35 ZR18  |
| <b>STEERING</b>               |   |   |   |
| Type                          | Power-assisted variable ratio rack-and-pinion   | Power-assisted, speed-sensitive, variable ratio rack-and-pinion   | Power-assisted, speed-sensitive, variable ratio rack-and-pinion   |
| Column Adjustment             | + or - 1 in. reach, + or - 2.5° rake  | + or - 1 in. reach, + or - 2.5° rake  | + or - 1 in. reach, + or - 2.5° rake  |
| Turns - lock to lock          | 2.8   | 2.8   | 2.8   |
| Turning circle (curb to curb) | 37ft. 8 in.   | 37ft. 8 in.   | 37ft. 8 in.   |
| <b>BODY CONSTRUCTION</b>      |   |   |   |
| Type                          | Steel monocoque with 85% zinc coated steel by weight for corrosion protection, aluminum hood            | Steel monocoque with 85% zinc coated steel by weight for corrosion protection, aluminum hood            | Steel monocoque with 85% zinc coated steel by weight for corrosion protection, aluminum hood            |
| Door opening angles           | (f) 62° (check stop 59°), (r) 65° (check stop 62°)  | (f) 62° (check stop 59°), (r) 65° (check stop 62°)  | (f) 62° (check stop 59°), (r) 65° (check stop 62°)  |
| Trunk opening angle           | 68°   | 68°   | 68°   |
| <b>ELECTRICAL SYSTEMS</b>     |   |   |   |
| Type                          | Standard Corporate Protocol (SCP) Controller Area Network (CAN), and D2B Network for specific modular   | Standard Corporate Protocol (SCP) Controller Area Network (CAN), and D2B Network for specific modular   | Standard Corporate Protocol (SCP) Controller Area Network (CAN), and D2B Network for specific modular   |
| Alternator                    | Denso L3BHE (120A output)   | Denso SC1 (130A output)   | Denso SC1 (130A output)   |
| Battery                       | 90 AMP hour silver calcium flooded acid   | 90 AMP hour silver calcium flooded acid   | 90 AMP hour silver calcium flooded acid   |
| <b>EXTERIOR DIMENSIONS</b>    |   |   |   |
| Length                        | 193 in.   | 193 in.   | 193 in.   |
| Height                        | 56.0 in.  | 56.0 in.  | 56.0 in.  |
| Width                         | 81.1 in. (with mirrors)<br>71.6 in. (without mirrors)   | 81.1 in. (with mirrors)<br>71.6 in. (without mirrors)   | 81.1 in. (with mirrors)<br>71.6 in. (without mirrors)   |
| Track                         | Front: 60.4 in. / Rear: 60.7 in.  | Front: 60.4 in. / Rear: 60.7 in.  | Front: 60.4 in. / Rear: 60.7 in.  |
| Min. Ground Clearance at GVW  | 4.1 in.   | 4.1 in.   | 4.1 in.   |
| Wheelbase (in.)               | 114.5 in.   | 114.5 in.   | 114.5 in.   |
| Curb weight                   | 3,771 lb.   | 3,826 lb.   | 3,969 lb.   |
| Permitted roof load           | 165 lbs.  | 165 lbs.  | 165 lbs.  |
| <b>INTERIOR DIMENSIONS</b>    |   |   |   |
| Headroom                      | Front: 38.6 in. / Rear: 36.4 in. (with moonroof)<br>Front: 40.5 in. / Rear: 36.9 in. (without moonroof) | Front: 38.6 in. / Rear: 36.4 in. (with moonroof)<br>Front: 40.5 in. / Rear: 36.9 in. (without moonroof) | Front: 38.6 in. / Rear: 36.4 in. (with moonroof)<br>Front: 40.5 in. / Rear: 36.9 in. (without moonroof) |
| Shoulder room                 | Front: 56.4 in. / Rear: 56.7 in.  | Front: 56.4 in. / Rear: 56.7 in.  | Front: 56.4 in. / Rear: 56.7 in.  |
| Leg Room                      | Front: 43.1 in. / Rear: 37.0 in.  | Front: 43.1 in. / Rear: 37.0 in.  | Front: 43.1 in. / Rear: 37.0 in.  |
| <b>CAPACITIES</b>             |   |   |   |
| Trunk                         | 14.1 cu.ft. (28.6 cu.ft. with rear seat folded)   | 14.1 cu.ft. (28.6 cu.ft. with rear seat folded)   | 14.1 cu.ft.   |
| Fuel                          | 18.4 gal.   | 18.4 gal.   | 18.4 gal.   |

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## STANDARD AND OPTIONAL FEATURES

|                                       |   | 3.0 LITER  | 4.2 LITER  | S-TYPE R |
|---------------------------------------|---|------------|------------|----------|
| <b>TRANSMISSION/SUSPENSION/BRAKES</b> |   |            |            |          |
| Suspension                            | Standard tune   | S          | S          | N/A      |
|                                       | R Performance tune with CATS  | N/A        | N/A        | S        |
|                                       | Sport tune  | O(2), O(3) | O(2), O(3) | N/A      |
| Brakes                                | Electronic Park Brake   | S          | S          | S        |
|                                       | Disc front and rear, vented   | S          | S          | N/A      |
|                                       | Brembo, four piston with silver painted calipers and Jaguar R logo                                  | N/A        | N/A        | S        |
| Drivetrain control                    | Dynamic stability control   | S          | S          | S        |
|                                       | Traction control  | S          | S          | S        |
| Transmission                          | 6-speed electronic automatic  | S          | S          | S        |
| <b>EXTERIOR FEATURES</b>              |   |            |            |          |
| Chrome exterior pack                  | Bumper blade, chrome side window surrounds trunk plinth, front grille surround, chrome grille vanes | S          | S          | N/A      |
| Chrome exterior pack                  | Bright mesh grille  | N/A        | N/A        | S        |
| Exterior mirrors                      | Power-adjustable, heated  | S          | S          | S        |
|                                       | Electrochromic  | O(1)       | S          | S        |
| Front fog lights                      |   | S          | S          | N/A      |
| Headlights                            | Automatic   | S          | S          | S        |
|                                       | Halogen   | S          | S          | N/A      |
|                                       | Xenon   | S/O        | O          | S        |
| Heated rear window with timer         |   | S          | S          | S        |
| Metallic paint                        |   | NCO        | NCO        | NCO      |
| Park distance control                 | Rear  | S          | S          | S        |
|                                       | Front   | S/O        | S/O        | S/O      |
| Rain-sensing windshield wipers        |   | O(1)       | S          | S        |
| Moonroof                              | Glass electric tilt and slide with one touch open/close   | O          | S          | S        |
| Wheels                                | 17 X 7.5-in. cast alloy, Kronos   | S          | N/A        | N/A      |
|                                       | 17 X 7.5-in. cast alloy, Juno   | N/A        | S          | N/A      |
|                                       | 18 X 8 / 18 X 9.5-in. cast alloy, Vulcan  | N/A        | N/A        | S        |
|                                       | 18 X 8-in. cast alloy, Triton   | O(2)       | O(2)       | N/A      |

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| <b>INTERIOR THEME, TRIM AND SEATING</b> |  | <b>3.0 LITER</b> | <b>4.2 LITER</b> | <b>S-TYPE R</b> |
|---|--|------------------|------------------|-----------------|
| Classic interior theme                  | Color-keyed upper fascia steering wheel, door top rolls, center console; bronze Madrona veneer fascia door trims | S                | S                | N/A             |
| R interior theme                        | Warm charcoal upper fascia and door top rolls, grey stained birdseye maple veneer fascia and door trim           | N/A              | N/A              | S               |
| Sport interior theme                    | Charcoal upper fascia and door top rolls, bronze Madrona veneer fascia door trims                                | O(2)             | O(2)             | N/A             |
| Aluminum Sport interior theme           | Granite upper fascia and door top rolls, aluminum fascia door trims  | O(3)             | O(3)             | N/A             |
| Seats and trim                          | Classic  | S                | S                | N/A             |
|   | Sport  | O(2), O(3)       | O(2), O(3)       | N/A             |
|   | R  | N/A              | N/A              | S               |
| Seats, front                            | Electrically adjustable driver and front passenger   | S                | S                | S               |
|   | Variable heated cushion  | O                | O                | S               |
| Seats, rear                             | Head restraints x2   | S                | S                | S               |
|   | 60/40 fold down rear seats   | S                | S                | N/A             |
|   | 8-way driver, 6 way passenger power adjust   | S                | N/A              | N/A             |
| Classic seats, leather                  | 10-way driver, 8 way passenger with lumbar support and driver memory   | O(1)             | S                | N/A             |
|   | 16-way driver / 12-way passenger with driver memory  | N/A              | N/A              | S               |
| R seats, leather                        | Fixed bench rear   | N/A              | N/A              | S               |
|   | Wood leather   | S                | S                | N/A             |
| Steering wheels                         | Leather sport  | O(2), O(3)       | O(2), O(3)       | N/A             |
|   | R leather  | N/A              | N/A              | S               |
|   | Wooden   | S                | S                | N/A             |
| Gearknobs                               | R leather with Chrome sides  | N/A              | N/A              | S               |
|   | Leather/chrome   | O(3)             | O(3)             |                 |

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|                             |   | 3.0 LITER | 4.2 LITER                     | S-TYPE R |
|-----------------------------|---|-----------|-------------------------------|----------|
| <b>INTERIOR FEATURES</b>    |   |           |                               |          |
| Air conditioning            | Automatic climate control, dual zones climate control particulate/odor filters  | S         | S                             | S        |
| Digital clock               |   | S         | S                             | S        |
| Cruise control              | Cruise control with steering wheel controls   | S         | S                             | S        |
|                             | Adaptive cruise control   | S/O       | O                             | O        |
| Cupholders                  | Front and rear twin   | S         | S                             | S        |
| Electric windows            | Front and rear with one-touch open/close  | S         | S                             | S        |
| Floor mats                  | Carpet  | S         | S                             | S        |
| Foot pedals                 | Electrically adjustable with memory   | O(1)      | S                             | S        |
| Power-assisted steering     |   | S         | S                             | S        |
| Number of Powerpoints       |   | 2         | 2                             | 2        |
| Rear view mirror            | Electrochromic interior mirror  | O(1)      | S                             | S        |
| Homelink garage door opener |   | O(1)      | S                             | S        |
| Steering column             | Electrically adjustable with memory   | S         | S                             | S        |
|                             |   | O(1)      | S                             | S        |
| Sunvisors                   | Illuminated with vanity mirror, driver and passenger  | S         | S                             | S        |
| Twin Trip Computers         | With twin function  | S         | S                             | S        |
| <b>AUDIO/COMMUNICATIONS</b> |   |           |                               |          |
| Audio equipment             | 140-watt Jaguar Sound System with single slot CD/radio, 4 full range door mounted speakers  | S         | N/A                           | N/A      |
|                             | Alpine Premium Sound System with 4 lightweight co-axial door mounted speakers, 320-watt output, DSP, integrated amplifier subwoofers, diversity antenna | O(5)      | S                             | S        |
|                             | CD autochanger (6-disc capacity)  | O(5)      | S                             | S        |
|                             | Cassette/radio (in lieu of single slot CD/radio)  | A         | A                             | A        |
| JaguarVoice                 | Front voice control of audio, automatic climate control and fitted telephone and navigation   | N/A       | A(3) (with high-line package) | A(4)     |
| Navigation                  | 7-in. touch screen, DVD based   | S/O       | O                             | O        |
| Telephone system            | Motorola V60  | A(4)      | A(4)                          | A(4)     |

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|   |  | 3.0 LITER | 4.2 LITER | S-TYPE R |
|---|--|-----------|-----------|----------|
| <b>SAFETY</b>                                   |  |           |           |          |
| Adaptive Restraint Technology System (A.R.T.S.) |  | S         | S         | S        |
| Airbags   | Front driver and passenger                     | S         | S         | S        |
|   | Front side, seat mounted, driver and passenger | S         | S         | S        |
|   | Side curtain                                   | S         | S         | S        |
| Anti-lock braking system                        |  | S         | S         | S        |
| Emergency brake assist                          |  | S         | S         | S        |
| Energy absorbent seating system                 |  | S         | S         | S        |
| High-level stop light                           |  | S         | S         | S        |
| Seat belts                                      | Pre-tensioner, front and rear                  | S         | S         | S        |
|   | Height adjustable front seat belts             | S         | S         | S        |
|   | Rear child ISO fix compatible                  | S         | S         | S        |

|                 |   |   |   |   |
|-----------------|---|---|---|---|
| <b>SECURITY</b> |   |   |   |   |
| Security        | Security system with remote control locking<br>2 stage unlock, drive away locking, engine immobilizer | S | S | S |

## STAND ALONE OPTIONS

|  |  |  |  |  |
|--|--|--|--|--|
| (1) included only with optional Premium package        |  |  |  |  |
| (2) included only with optional Sport package          |  |  |  |  |
| (3) included only with optional Aluminum Sport Package |  |  |  |  |
| (4) S-TYPE is prewired for accessory installation      |  |  |  |  |
| (5) included with optional Alpine audiophile system    |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |

S = Standard    O = Optional at extra cost    NCO = Optional at no extra cost    N/A = Not available    A = Accessory    S/O=Special Order