

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
ENGINE			
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 steel cylinder liners	Cast aluminum pistons, three piece oil control ring, cast iron cylinders	Forged aluminum with 2 piece ultra compact oil control ring, cast iron cylinders
Lubrication	Inner/outer rotor type pump	Eccentric rotor pump, 4.7 bar regulated pressure, jet lubrication of chain drive	Eccentric rotor pump, 4.7 bar regulated pressure, jet lubrication of chain drive
Cam Phasing	Continuously variable valve timing	Continuously variable valve timing	Fixed cam phasing
Induction	Naturally aspirated 3 stage variable geometry upper intake manifold	Naturally aspirated 3 stage variable geometry upper intake manifold	Supercharged Eaton Roots type with rotors driven by helical gears
Camshaft Drive	Two silent chain drives, one hydraulic 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 electric fuel pump	Electronic returnless system single electric fuel pump	Electronic returnless system twin electric fuel pumps
Fuel Injection	Electronic multiport Denso 12 hole fuel injectors	Electronic multiport Denso 12 hole fuel injectors	Electronic multiport Denso 12 hole 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
PERFORMANCE			
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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3.0 LITER

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DRIVETRAIN			
Configuration	Front engine, rear drive		Front engine, rear drive
Transmission	6-speed automatic, ZF6HP26		6-speed automatic, ZF6HP26
Transmission Control	Mechatronic		Mechatronic
Torque Converter	Lock up available on all forward gears		Lock up available on all forward gears
Gear Ratios	1st - 4.17:1 2nd - 2.30:1 3rd - 1.52:1 4th - 1.14:1 5th - 0.87:1 6th - 0.69:1 Reverse - 3.40:1	4.17:1 2.30:1 1.52:1 1.14:1 0.87:1 0.69:1 3.40:1	4.17:1 2.30:1 1.52:1 1.14:1 0.87:1 0.69:1 3.40:1
Final drive	3.31:1	2.87:1	2.87:1
SUSPENSION			
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
BRAKES			
System	Electronically controlled 4-channel anti-lock brake system with Electronic Stability Braking System (ESBS) Electronic parking brake	Electronically controlled 4-channel anti-lock brake system with Electronic Stability Braking System (ESBS) Electronic parking brake	Electronically controlled 4-channel anti-lock brake system with Electronic Stability Braking System (ESBS) 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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WHEELS			
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
STEERING			
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.
BODY CONSTRUCTION			
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°
ELECTRICAL SYSTEMS			
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
EXTERIOR DIMENSIONS			
Length	193 in.	193 in.	193 in.
Height	56.0 in.	56.0 in.	56.0 in.
Width	81.1 in. (with mirrors) 71.6 in. (without mirrors)	81.1 in. (with mirrors) 71.6 in. (without mirrors)	81.1 in. (with mirrors) 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.
INTERIOR DIMENSIONS			
Headroom	Front: 38.6 in. / Rear: 36.4 in. (with moonroof) Front: 40.5 in. / Rear: 36.9 in. (without moonroof)	Front: 38.6 in. / Rear: 36.4 in. (with moonroof) Front: 40.5 in. / Rear: 36.9 in. (without moonroof)	Front: 38.6 in. / Rear: 36.4 in. (with moonroof) 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.
CAPACITIES			
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

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TRANSMISSION/SUSPENSION/BRAKES				
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
EXTERIOR FEATURES				
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(3)	O(2), O(3)	N/A
	18 X 8-in. cast alloy, Mercury	O	O	N/A

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INTERIOR THEME, TRIM AND SEATING		3.0 LITER	4.2 LITER	S-TYPE R
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
Classic seats, leather	8-way driver, 6 way passenger power adjust	S	N/A	N/A
	10-way driver, 8 way passenger with lumbar support and driver memory	O(1)	S	N/A
R seats, leather	16-way driver / 12-way passenger with driver memory	N/A	N/A	S
	Fixed bench rear	N/A	N/A	S
Steering wheels	Wood leather	S	S	N/A
	Leather sport	O(2), O(3)	O(2), O(3)	N/A
	R leather	N/A	N/A	S
Gearknobs	Wooden	S	S	N/A
	R leather with Chrome sides	N/A	N/A	S
	Leather/chrome	O(3)	O(3)	N/A

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INTERIOR FEATURES				
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
AUDIO/COMMUNICATIONS				
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(4) (with high-line package only)	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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SAFETY				
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
SECURITY				
Security	Security system with remote control locking 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