2012 Audi S5 4.2 FSI
Technical specifications

Technical specifications				2012 Audi S5 4.2 FSI
ENGINE:				
Type	Direct petrol injection V8 with variable intake manifold, continuous camshaft adjustment, DOHC			
Arrangement	Front mounted, longitudinal			
Bore	3.33 in	84.5 mm		
Stroke	3.65 in	92.8 mm		
Displacement	254.0 cu in	4163 cc		
Compression ratio	11.0:1			
Fuel requirement	Premium unleaded (91 Octane) recommended			
Horsepower (SAE)	354 hp	@ 7,000	260 kW	
Max. torque	325 lb-ft	@ 3,500	440 nm	
ENGINE DESIGN:				
Cylinder block	Aluminum alloy			
Cylinder head	Aluminum alloy			
Valve train / intake	DOHC, four-valves per cylinder, hydraulic adjustment			
Firing order	1 - 5 - 4 - 8 - 6 - 3 - 7 - 2			
Fuel injection	Electronic engine management, drive-by-wire throttle, FSI® direct injection			
Emission system	Two close-coupled ceramic converters			
Emissions level	Tier 2 BIN 5 / LEV II			
ELECTRICAL SYSTEM:				
Battery	12 volts	110 amp/hr		
Alternator	14 volts	180 amp		
DRIVETRAIN:				
Transmission	Automatic: six-speed Tiptronic®			
	Manual: six-speed			
Type		**quattro Tiptronic**	**quattro manual**	
			manual, hydraulic clutch	
Gear ratios: 1st		4.171	3.667	
2nd		2.340	2.158	
3rd		1.521	1.520	
4th		1.143	1.133	
5th		0.867	0.919	
6th		0.691	0.778	
Reverse		3.403	3.222	
Final drive		3.517	3.875	
Front differential	Hypoid gear, electronically locking (EDL)			
Center differential	Self-locking differential providing automatic and variable front to rear power proportioning			
Rear differential	Hypoid gear, electronically locking (EDL), optional mechanical torque-vectoring			
STEERING:				
Type	Servotronic vehicle speed-sensitive hydraulic power assist			
Ratio	16.3:1			
Turning circle (curb-to-curb)	37.4 ft	11.4 m		
SUSPENSION:				
Front	Front five-link independent steel spring suspension			
Rear	Rear trapezoidal-link independent steel spring suspension			
BRAKES:				
	Dual-circuit brake system with diagonal split, Anti-lock brake system (ABS), Electronic Brake pressure Distribution (EBD) and Electronic Stabilization Program (ESP); brake booster			
Front	13.6 in	345 mm	- Ventilated disc	
Rear	13.0 in	330 mm	- Ventilated disc	
Parking brake	Electro-mechanically actuated at the rear wheels			

Technical specifications (continued) — 2012 Audi S5 4.2 FSI

WHEELS:							
Size	8.5Jx19 five-parallel-spoke-Star-design					standard	
	9.0Jx19 five-segment-spoke-design					optional	
	9.0Jx19 five-arm-Rotor-design, Titanium finish					optional	
TIRES:							
Size	255/35 R19 summer performance					standard	
BODY:							
Material	Unitized steel structure with integrated aluminum and magnesium components						
Corrosion protection	All steel parts are 100% dual-side zinc-galvanized (twelve-year limited warranty against corrosion perforation)						
WARRANTY/MAINTENANCE:							
	Four-year/50,000 mile new vehicle limited warranty						
	Twelve-month/5,000 mile (whichever occurs first) NO CHARGE first scheduled maintenance						
CAPACITIES:							
Engine oil	11.3 qt	10.7 liter					
Fuel tank	16.9 gal	64 liter					
EXTERIOR DIMENSIONS:							
	Coupe						
Wheelbase	108.3 in	2751 mm					
Track: front / rear	62.8 / 62.2	1594 / 1581					
Overall length	182.5 in	4635 mm					
Overall width mirrors	73.0 / 79.5	1854 / 2020					
Height (unloaded)	53.9 in	1369 mm					
Ground clearance (loaded)	n/a in	n/a mm					
Curb weight	3,858 lb	1750 kg	3,924 lb	1780 kg	(Tiptronic)		
Drag coefficient	Cw = 0.31	Frontal Area = 2.2 sq m					
INTERIOR DIMENSIONS:							
EPA class							
Seating capacity	Four						
	Coupe						
Headroom (sunroof) front / rear	39.1 in	993 mm	/	36.0 in	914 mm		
w/ sunshade front / rear	37.9 in	963 mm	/	36.0 in	914 mm		
Shoulder room front / rear	54.3 in	1379 mm	/	52.8 in	1341 mm		
Leg room front / rear	41.3 in	1049 mm	/	31.7 in	805 mm		
Int. vol. (EPA)							
Luggage capacity (EPA)	12.4 cu ft	cu ft	(2nd row folded)				
PERFORMANCE:							
	Coupe quattro Tiptronic				**Coupe quattro manual**		
0-60 mph	4.9	sec			4.9	sec	
Top speed	Electronically limited to 155 mph (250 km/h)						
FUEL ECONOMY:	2012 EPA figures						
	Coupe quattro Tiptronic				**Coupe quattro manual**		
City	16	mpg			14	mpg	
Highway	24	mpg			22	mpg	
Combined	19	mpg			17	mpg	