

Technical Data – Audi RS 4 Avant 2.9 TFSI quattro tiptronic (331 kW)

Program for Germany

Status: July 2017

Engine / electronics	
Engine type	V6 spark-ignition engine with aluminum cylinder housing and gasoline direct injection, DOHC, biturbo exhaust turbocharger, demand-controlled high-pressure and low-pressure fuel system (four valves per cylinder), variable inlet valve adjustment AVS, indirect intercooler
Valve gear / number of valves per cylinder	continuous camshaft adjustment / 4
Displacement in cc / bore x stroke in mm / compression	2894 / 84.5 x 86 / 10.0
Max. power output in kW (hp) / at rpm	331 (450) at 5700 - 6700
Max. torque in Nm (<i>lb-ft</i>) / at rpm	600 (442.5) at 1900 - 5000
Mixture preparation	Fully electronic engine management with drive-by-wire throttle control; gasoline direct injection, cylinder-selective lambda control, mapped ignition with solid-state high-voltage distribution, cylinder-selective adaptive knock control; manifold-pressure controlled system
Exhaust emission control	two close-coupled ceramic main catalytic converters each with a pre- and post-catalyst oxygen sensor
Emissions class	EU6
Alternator in A / battery in A/Ah	110-150 / 420/79
Start-stop system	switches the engine off if the vehicle is stationary and the brake is engaged
Drivetrain / transmission	
Drive type	quattro permanent all-wheel drive
Clutch	hydraulic torque converter with lock-up clutch
Transmission type	8-speed tiptronic with DSP and sport program
Gear ratio in 1st gear / 2nd gear	5.000 / 3.200
Gear ratio in 3rd gear / 4th gear	2.143 / 1.720
Gear ratio in 5th gear / 6th gear	1.313 / 1.000
Gear ratio in 7th gear / 8th gear	0.823 / 0.640
Reverse gear / final drive ratio	3.478 / 3.204
Suspension / steering / brakes	
Front suspension	independent-wheel suspension, five-link axle with front track rod, aluminum transverse link, subframe and tubular anti-roll bar
Rear suspension	independent-wheel suspension, five-link axle with rear track rod, resiliently mounted subframe and anti-roll bar
Steering / steering ratio / turning circle in m (D102) (<i>ft</i>)	electromechanical steering with speed-dependent power assistance / 15.9 / 11.7 (38.4)
Brake system	Dual circuit brake system split between axles (black/white brake circuit split), Antilock Brake System (ABS) with Electronic Brake Force Distribution (EBD), Electronic Differential Lock (EDL), Anti-Slip Regulation (ASR), Electronic Stabilization Control (ESC) with torque vectoring front: ventilated disks, perforated steel (basic) rear: ventilated disks, ceramic (option)
Wheels / tires (basic)	Forged aluminum wheels 9J x 19H ET24 / 265/35 R 19 98Y XL summer
Performance / fuel / acoustics	
Top speed in km/h (<i>mph</i>)	250 (155.3) (optionally 280 (174.0))
Acceleration, 0-100 km/h (0-62.1 <i>mph</i>) in s	4,1
Fuel type / octane value	Super Plus sulfur-free according to DIN EN 228 / 98 RON
Idling / drive-past exterior noise level in dB (A)	90.2 / 70
Fuel consumption / emissions (according to tire size)	
Tire category 1	
Fuel consumption: city / highway / combined, in l/100 km (<i>US mpg</i>)	11,5 (20.5) / 7,2 (32.7) / 8,8 (26.7)
CO ₂ mass emission city / highway / combined, in g/km (<i>g/mi</i>)	262 (421.6) / 163 (262.3) / 199 (320.3)
Servicing / guarantee (Germany)	
Service inspection after max. km (<i>mi</i>)	according to service indicator up to 30,000 km (18,641.1) (max. 2 years)
Vehicle / paint / rust perforation guarantee	2 years with unlimited mileage / 3 years / 12 years
Insurance classification in Germany: third party / fully comprehensive / part-comprehensive	16 / 31 / 28
Weights / loads	
Unladen weight according to EU (excluding driver) / (including driver) / gross weight limit in kg (<i>lb</i>)	1715 (3780.9) / 1790 (3946.3) / 2305 (5081.7)
Axle load limit at front / rear in kg (<i>lb</i>)	1210 (2667.6) / 1235 (2722.7)
Trailer load limit on 8% / 12% gradient, braked / unbraked in kg (<i>lb</i>)	2100 (2629.7) / 1900 (4188.8) / 750 (1653.5)
Roof load limit / permissible nose weight in kg (<i>lb</i>)	90 (198.4) / 80 (176.4)
Capacities	
Cooling system capacity (incl. heating) in l (<i>US gal</i>)	10,0 (2.6)
Engine oil capacity (including filter) in l (<i>US qt</i>)	7,6 (2.0)
Fuel tank capacity in l (<i>US gal</i>)	58 (15.3)
Body / dimensions	
Body type / number of doors / seats	unitary, galvanized, steel, crumple zones at front and rear / 2 doors / 4 seats
Drag coefficient Cd / frontal area A in m ² (<i>sq ft</i>)	0,329 / 2,2 (23.7)
Length (L103) / width excluding mirrors (W103) / height (H101-M) in mm (<i>ft</i>)	4781 (15.7) / 1866 (6.1) / 1404 (4.6)
Wheelbase (L101) / track at front/rear (W101-1/W101-2) in mm (<i>ft</i>)	2826 (9.2) / 1580 (5.2) / 1575 (5.2)
Height of loading lip (H196) in mm (<i>ft</i>)	600 (1.9)
Luggage capacity / with rear seat bench folded in l (<i>cu ft</i>)	505 (17.8) / 1510 (53.3)