

The Avant RS2: technical data

Specification for Germany

Status: November 1994

Engine and electrical system

Engine type	Five-cylinder inline engine, DOHC
Effective displacement, cm ³	2226
Bore x stroke, mm	81.0 x 86.4
Max. power output, kW/rpm acc. to 80/1269 EEC (bhp)	232/6500 (315)
Max. torque, Nm/rpm acc. to 80/1269/EEC	410/3000
Mixture preparation and ignition system	Electronic multipoint injection with integral map ignition; exhaust-driven turbocharger, charge air intercooling; solid-state high-voltage ignition distribution, 5 coils; selective knock control, 2 knock sensors; fuel shutoff on the overrun
Compression ratio	9.3
Fuel grade	Unleaded premium plus, 98 (RON); alternatively unleaded premium, 95 (RON), in which case power output slightly lower
Exhaust emission control acc. to 91/441 EEC, with	2 catalytic converters, heated oxygen sensor
Alternator/battery, A (Amp/h)	120/300 (63)

Drive system

Drive principle	Permanent four-wheel drive
Clutch	Hydraulically actuated single dry-plate clutch with asbestos-free pads; double-mass flywheel
Gearbox	Six-speed manual gearbox, all-synchromesh
Ratios, 1st gear	3.500
2nd gear	1.889
3rd gear	1.320
4th gear	1.034
5th gear	0.857
6th gear	0.711
Reverse	3.445
Final drive ratio	4.111

Suspension

	Sports suspension
Front	Track-stabilizing McPherson spring-strut front suspension with triangulated lower wishbones; anti-roll bar
Rear	Double-link rear suspension, control arm, anti-roll bar
Steering, type/ratio	No-maintenance rack-and-pinion steering, power-assisted/14.5
Wheel size	7 J x 17 light-alloy wheels, Porsche design
Tyre size	245/40 ZR 17
Brake system	Disc brakes with four-piston brake calipers at front and rear, ABS
Brakes, front/rear	Ventilated discs; servo and power regulator (pressure-dependent)

Body

Vehicle body; comfort dimension, mm	Unitary design, fully galvanized; deformation zones at front and rear, additional reinforcing bars in side doors; 5 doors; 1882
Seat width/seat depth/elbow width at front, mm	510/504/1369
Seat width/seat depth at rear, mm	1360/442
Length/width/height, mm; cd x A	4510/1695/1386, 0.36 x 1.94 m ²
Exterior noise levels: stationary/drive-past, dB(A)	82/73
Luggage area volume, l (VDA); loading width/lip height, mm	370; with seat back folded down: 1200; 1073/608
Wheelbase: track, front/rear, mm	2597, 1448/1474
Turning circle, app. m; max. ground clearance, mm	11.5; 101
Unladen weight/gross weight limit, kg	1595/2100
Axle load limit, front/rear, kg	1100/1110
Trailer load limit, braked, 12/8 % gradient/unbraked, kg	1600/1800/640
Roof load limit/nose weight limit, kg	75/50

Performance/fuel consumption

Vmax, km/h	262
V/1000 rpm in top gear, km/h	39.6
Acceleration, 0-80 km/h/0-100 km/h, s	3.9/5.4
Fuel consump., 90/120 km/h/urban cycle (80/1268/EEC), l/100 km	7.7/9.2/14.3

Maintenance/warranty

Filling capacities: engine oil + filter/coolant + heating, l	4.5/8.5
Fuel tank, l/activated charcoal filter (ACF)	64 (ACF)
Intervals: inspection/oil change, km	30,000/15,000 (max. 1 year)
Warranty: vehicle/paint/rust penetration, years	1 (no distance limit)/3/10