

Technical Data – Audi Q7 4.2 FSI quattro

Program for Australia – September 2006

Model	Audi Q7 4.2 FSI quattro
Engine / electrics	
Engine type	V8 engine with FSI petrol direct injection, four-valve technology
Valve gear / number of valves per cylinder	Double overhead camshafts (DOHC) / 4
Displacement in cc / bore x stroke in mm / compression	4163 / 84.5 X 92.8 / 12.5 : 1
Max. power output in kW (bhp) / at rpm	257 (350) / 6800
Max. torque in Nm / at rpm	440 / 3500
Engine management system	Selective FSI petrol direct injection
Exhaust emission control	Primary and main catalytic converters
Emission category	EU4
Alternator in A / battery in A/Ah	190 / 450 / 95
Drive / transmission	
Drive type	quattro permanent four-wheel drive with asymmetric/dynamic torque split and self-locking centre differential, electronic differential lock EDL at all wheels
Clutch	Hydraulic torque converter with lock-up clutch
Gearbox type	6-speed tiptronic with dynamic shift program DSP and sport program
Gear ratio in 1st gear / 2nd gear	4.148 / 2.37
Gear ratio in 3rd gear / 4th gear	1.556 / 1.155
Gear ratio in 5th gear / 6th gear	0.859 / 0.686
Reverse gear / final drive ratio	3.394 / 4.32
Running gear / steering / brakes	
Front suspension	Double-wishbone suspension with steering behind the axle, aluminium wishbones, subframe and anti-roll bar, Adaptive air suspension
Rear suspension	Double-wishbone suspension with separate upper control arms and track rod at rear, aluminium wishbones, subframe and anti-roll bar, Adaptive air suspension
Steering / steering ratio / turning circle in m (D102)	Rack-and-pinion power steering with variable steering ratio / 16.5 (centre position) / 12
Brake system, front/rear	Dual-circuit brake system with diagonal split. Anti-lock braking system ABS with electronic brake-force distribution EBD, electronic differential lock EDL, traction control system ASR and electronic stabilisation program ESP
Wheels / tyres	18-inch alloy wheel, 7-arm design, size 8 J x 18 / 255/55 R18
Performance / consumption / acoustics	
Maximum speed in km/h	244 (248 with adaptive air suspension)
Acceleration 0-100 km/h in sec	7.4
Fuel grade	Unleaded Super Plus, 98 RON (alternatively unleaded Super, 95 RON, with slight reduction in performance)
Fuel consumption: urban/extra urban/overall, l/100 km	19.5 / 10.2 / 13.6
CO ₂ mass emission, g/km	326
Standing / drive-past exterior noise level in dB (A)	77 / 73
Servicing / warranty	
Service interval	Every 15,000km or 12 months
Vehicle/paint/rust perforation guarantee	3 years with unlimited mileage / 3 years / 12 years
Weights / loads	
Unladen weight in kg / gross weight limit in kg	2240 / 2935
Axle load limit at front / rear in kg	1470 / 1640
Trailer load limit on 8%/12% gradient, braked/unbraked in kg	3500 / 3500 / 750
Roof load limit in kg / permissible nose weight in kg	100 / 140
Capacities	
Cooling system capacity (incl. heating) in l	approx. 9
Engine oil capacity (incl. filter) in l	8.5
Fuel tank capacity in l	100
Body / dimensions	
Body type	Unitary steel body with aluminium add-on parts
Number of doors / seats	5 / 5 seats (optional 6 or 7 seats)
Drag coefficient c _D / frontal area A in m ²	0.37 (0.35 with adaptive air suspension) / 2.87
Length (L103) / width excl. mirrors (W103) / height (H100), mm	5086 / 1983 / 1737 (1697 – 1772 with adaptive air suspension)
Wheelbase (L101) / track at front/rear (W101/W102), mm	3002 / 1651 / 1676
Height of loading lip in mm (H196)	836 (765 with adaptive air suspension at load level)
Luggage capacity in l, acc. to VDA block method (V211)	775 / 2035

¹⁾ depending on driving style and operating conditions

NB: all details apply to a 5-seater vehicle