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ENGINES AND PERFORMANCE

i6 Auto

Transversely mounted straight-six cylinder petrol. Aluminium engine block, cylinder head and bedplate. 24 Valve with twin overhead camshafts and Cam Profile Switching (CPS). Engine management system mapped for both low and high driving loads/speeds. Variable Valve Timing (VVT) and multi-holed fuel injectors. Three-way catalysts, unleaded fuel only. Bore 84mm, Stroke 96mm, Cubic capacity 3,192cc, and Compression ratio 10.8.

TD4 Manual and Auto*

Transversely mounted high pressure injection Common Rail four cylinder diesel. Aluminium cylinder head, double walled cast iron engine block and sump-mounted counter-rotating balance shafts. Engine management system mapped to deliver excellent response, mid-range Torque and flat power curve. Latest Common Rail 3 fuel injection system. 16 Valve with Garrett variable-nozzle turbocharger. Diesel fuel only. Bore 85mm, Stroke 96mm, Cubic capacity 2,179cc, and Compression ratio 16.5.

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ENGINES

Feature	i6 Auto	TD4 Manual	TD4 Auto*
Location	Front Transverse	Front Transverse	Front Transverse
Capacity (cc)	3,192	2,179	2,179
No. of Cylinders	6	4	4
Cylinder Layout	In-line	In-line	In-line
Bore (mm)	84	85	85
Stroke (mm)	96	96	96
Compression ratio	10.8	16.5	16.5
Cylinder head material	Die cast light weight aluminium alloy	Light weight aluminium alloy	Light weight aluminium alloy
Cylinder block material	Die cast light weight aluminium alloy	Spheroidal cast iron	Spheroidal cast iron
Valves	24	16	16
Maximum power	171kW (233PS)/6,300rpm	118kW (160PS)/4,000rpm	118kW (160PS)/4,000rpm
Maximum Torque	317Nm/3,200rpm	400Nm/2,000rpm	400Nm/2,000rpm

*Diesel Automatic available Spring 2007

PERFORMANCE AND FUEL ECONOMY

Feature	i6 Auto	TD4 Manual	TD4 Auto*
Maximum speed kph (mph)	200 (124)	181 (112)	181 (112)
Acceleration - secs 0-100kph	8.9	11.7	11.2
Acceleration – secs 0-60mph	8.4	10.9	10.5
Fuel economy			
Urban L/100km (mpg)	15.8 (17.9)	9.2 (30.6)	11.0 (25.7)
Extra urban L/100km (mpg)	8.6 (33)	6.2 (45.5)	6.8 (41.5)
Combined L/100km (mpg)	11.2 (25.2)	7.5 (37.7)	8.5 (33.2)
CO2 emissions (g/km)	265	194	224
Useable capacity fuel tank (Litres)	70	68	68
Drive by noise/dB	72	73	68

*Available Spring 2007

Fuel consumption figures: The results given here do not express or imply any guarantee of the fuel consumption of any particular vehicle with which this information may be supplied. Vehicles are not individually tested and there are inevitable differences between individual vehicles of the same model. The vehicle may also incorporate particular modifications. Furthermore, the driver's style and road traffic conditions, as well as the extent to which the vehicle has been driven and the standard of maintenance, will affect its fuel consumption.

TRANSMISSION

Feature	i6 Auto	TD4 Manual	TD4 Auto*
Transmission type	Six-speed auto	Six-speed manual	Six-speed auto
Gear Ratios			
1st	4.148	3.750	4.148
2nd	2.370	1.905	2.370
3rd	1.556	1.182	1.556
4th	1.155	0.838	1.155
5th	0.859	0.652	0.859
6th	0.686	0.540	0.686
Reverse	3.394	3.436	3.394
Final drive ratio	3.750	4.533	3.329

MAXIMUM SPEED IN GEARS

	i6 Auto	TD4 Manual	TD4 Auto*
1st	56 (35)	41 (25)	42 (26)
2nd	99 (61)	80 (50)	73 (45)
3rd	149 (93)	125 (78)	110 (68)
4th	200 (124)	172 (107)	149 (93)
5th	200 (124)	181 (112)	181 (112)
6th	184 (115)	181 (112)	175 (109)

kph (mph) - Autos in 'D', with no CommandShift™ or Sport selected

STEERING

	Description	i6 Auto	TD4
Type		Assisted Rack and pinion	Assisted Rack and pinion
Steering wheel: height adjustment standard	Turns lock to lock	2.6	2.6
Turning circle	Kerb to kerb	11.4m	11.4m

TRANSMISSION, SUSPENSION AND STEERING

Feature	S	GS	XS	SE	HSE
6-speed manual transmission	S	S	S	S	S
CommandShift 6-speed automatic transmission (Standard on i6)	O	O	O	O	O
Terrain Response®	-	S	S	S	S
Independent front and rear suspension	S	S	S	S	S
Power steering with manual tilt and reach adjustment	S	S	S	S	S

BRAKES

Feature	TD4	i6
Front type	Ventilated disc	Ventilated disc
Front size mm	300	316
Rear type	Ventilated disc	Ventilated disc
Rear size mm	302	302
Parking type	Duo Servo	Duo Servo
Size mm	185	185

SAFETY AND SECURITY

Feature	S	GS	XS	SE	HSE
Remote control central locking on all doors, fuel cap and tailgate	S	S	S	S	S
Push button Start/Stop	S	S	S	S	S
Perimetric alarm system	S	S	S	S	S
Volumetric alarm system (where available)	S	S	S	S	S
Anti-lock Braking System (ABS)	S	S	S	S	S
Emergency Brake Assist (EBA)	S	S	S	S	S
Electronic Brake-force Distribution (EBD)	S	S	S	S	S
Electronic Traction Control (ETC)	S	S	S	S	S
Corner Brake Control (CBC)	S	S	S	S	S
Dynamic Stability Control (DSC)	S	S	S	S	S
Roll Stability Control (RSC)	S	S	S	S	S
Hill Descent Control (HDC)	S	S	S	S	S
Driver and front passenger airbags, front seat side airbags, full length curtain airbags and inflatable driver's knee bolster	S	S	S	S	S
Four-wheel disc brakes with mechanical handbrake	S	S	S	S	S
Two isofix child anchorage points (rear seats)	S	S	S	S	S
Passenger airbag isolation switch	S	S	S	S	S

KEY

O – Optional, (O) – Option as part of a pack, S – Standard, - Not available.

http://www.landrover.co.uk/gb/en/Vehicles/Freelander2/Specifications/Freelander_performance.htm