

THE ALL-NEW LAND ROVER DISCOVERY 3

TECHNICAL SPECIFICATIONS: JUNE 2004

[All photographs and engineering data in this press pack are from pre-production prototype work.]

	V6 DIESEL	V6 PETROL	V8 PETROL
No. of seats	5/7 option	5/7 option	5/7 option
LENGTH			
Overall	4835 mm	4835 mm	4835 mm
Wheelbase	2885 mm	2885 mm	2885 mm
WIDTH			
Excluding/including mirrors	1915/2190 mm	1915/2190 mm	1915/2190 mm
With mirrors folded	2009 mm	2009 mm	2009 mm
HEIGHT			
Fixed roof	1887 mm	1887 mm	1887 mm
Glass roof	1882 mm	1882 mm	1882 mm
With sunroof open	1920 mm	1920 mm	1920 mm
With roof side rails	1891 mm	1891 mm	1891 mm
With roof antennae module	1940 mm	1940 mm	1940 mm
INTERIOR			
Leg room in row two	955 mm	955 mm	955 mm
Head room in row two, fixed roof	1043 mm	1043 mm	1043 mm
Head room in row two, glass roof	1076 mm	1076 mm	1076 mm
Front shoulder room	1503 mm	1503 mm	1503 mm
Rear shoulder room in row two	1508 mm	1508 mm	1508 mm
Max ground clearance (air suspension)	240 mm	240 mm	240 mm
Track – front/rear mm	1605/1612.5	1605/1612.5	1605/1612.5
Suspension Articulation – front/rear	255/330 mm	255/330 mm	255/330 mm
Wading Depth (max)	700 mm	700 mm	700 mm
Turning circle – kerb to kerb	11.45 m	11.45 m	11.45 m
Turning circle – lock to lock	3.3 turns	3.3 turns	3.3 turns
Drag coefficient	0.41 Cd	0.41 Cd	0.41 Cd
Max loadspace volume	2558 ltr	2558 ltr	2558 ltr
Approach Angle (max)	37.2°	37.2°	37.2°
Departure Angle (max)	29.6°	29.6°	29.6°
Departure Angle with spare tyre (max)	28.1°	28.1°	28.1°
Departure Angle with towbar (max)	18.5°	18.5°	18.5°
Ramp Breakover Angle (max)	27.9°	27.9°	27.9°
Unladen weight (manual) kg	min 2494 / max 2708	-	-
Unladen weight (auto) kg	min 2504 / max 2718	min 2486 / max 2700	min 2536 / max 2704
Max laden weight	3230 kg	3230 kg	3230 kg
Max towing weight (braked trailer)	3500 kg	3500 kg	3500 kg
Max towing weight (unbraked trailer)	750 kg	750 kg	750 kg
ENGINE			
Layout	Longitudinal	Longitudinal	Longitudinal
No. cylinders / valves	V6 / 24	V6 / 24	V8 / 32
Effective displacement	2720 cc	4009 cc	4394 cc
Bore / stroke	81/88 mm	100.4/84.4 mm	88/90.3 mm
Compression ratio	17.3:1	9.75:1	10.5:1
Max. power output @ engine speed	140 kW @ 4000 rpm	160 kW @ 4500 rpm	220 kW @ 5500 rpm
Max. torque @ engine speed rpm	440 Nm @ 1900 rpm	360 Nm @ 3000 rpm	425 Nm @ 4000 rpm

Four-wheel drive system

Full-time four-wheel drive with electronically-controlled centre differential and optional electronically-controlled rear differential

PERFORMANCE

(Estimates subject to confirmation)

Max speed	112 mph/180km/h	112 mph/180km/h	121 mph/195km/h
0-60 mph – auto (manual)	11.7 sec (11.2)	10.6 sec	8.0 sec
0-100km/h	12.8 sec (11.5)	10.9 sec	8.6 sec

OVERALL GEARING

Transfer box ratio (high/low)	1:1/2.93:1	1:1/2.93:1	1:1/2.93:1
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Manual:

1st (high/low)	15.596:1/45.694:1	-	-
2nd (high/low)	8.608:1/25.223:1	-	-
3rd (high/low)	5.474:1/16.038:1	-	-
4th (high/low)	3.868:1/11.334:1	-	-
5th (high/low)	3.070:1/8.995:1	-	-
6th (high/low)	2.563:1/7.509:1	-	-
Reverse (high/low)	14.506:1/42.501:1	-	-

Auto:

1st (high/low)	14.765:1/43.259:1	15.558:1/45.581:1	15.558:1/45.581:1
2nd (high/low)	8.284:1/24.284:1	8.723:1/25.588:1	8.723:1/25.588:1
3rd (high/low)	5.384:1/15.788:1	5.673:1/16.636:1	5.673:1/16.636:1
4th (high/low)	4.046:1/11.859:1	4.263:1/12.496:1	4.263:1/12.496:1
5th (high/low)	3.069:1/8.992:1	3.234:1/9.474:1	3.234:1/9.474:1
6th (high/low)	2.446:1/7.151:1	2.557:1/7.535:1	2.557:1/7.535:1
Reverse (high/low)	12.047:1/35.258:1	12.693:1/37.151:1	12.693:1/37.151:1

FUEL

Fuel tank capacity	82.3 ltr	86.3 ltr	86.3 ltr
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