

THE NEW LAND ROVER DEFENDER

TECHNICAL SPECIFICATION 2020



ABOVE & BEYOND



DEFENDER 90 TECHNICAL SPECIFICATION – DIESEL

ENGINE			D200	D240
Transmission			Automatic	Automatic
Driveline			All Wheel Drive (AWD)	All Wheel Drive (AWD)
Maximum power (HP/rpm)			200 / 4,000	240 / 4,000
Maximum torque (Nm/rpm)			430 / 1,400	430 / 1,400
Capacity (cc)			1,999	1,999
No. of cylinders/Valves per cylinder			4 / 4	4 / 4
Cylinder layout			In-line	In-line
Bore/stroke (mm)			83.0 / 92.4	83.0 / 92.4
Compression ratio (:1)			15.5:1+ / -0.5	15.5:1+ / -0.5
Fuel tank capacity - useable litres			83.5	83.5
Diesel Exhaust Fluid (DEF) - useable litres			20.7	20.7
Diesel Particulate Filter (DPF)			■	■
FUEL ECONOMY - WLTP*				
Seating			5 / 6	5 / 6
WLTP Consumption Test Energy	Low	mpg (l/100km)	26.3-25.3 (10.8-11.2) / 26.2-25.2 (10.8-11.2)	26.3-25.3 (10.8-11.2) / 26.2-25.2 (10.8-11.2)
	Medium	mpg (l/100km)	34.1-31.5 (8.3-9.0) / 33.9-31.4 (8.3-9.0)	34.1-31.5 (8.3-9.0) / 33.9-31.4 (8.3-9.0)
	High	mpg (l/100km)	37.0-34.1 (7.6-8.3) / 36.9-34.0 (7.7-8.3)	37.0-34.1 (7.6-8.3) / 36.9-34.0 (7.7-8.3)
	Extra High	mpg (l/100km)	30.4-28.1 (9.3-10.1) / 30.4-28.0 (9.3-10.1)	30.4-28.1 (9.3-10.1) / 30.4-28.0 (9.3-10.1)
	Combined	mpg (l/100km)	32.2-29.9 (8.8-9.4) / 32.1-29.9 (8.8-9.5)	32.2-29.9 (8.8-9.4) / 32.1-29.9 (8.8-9.5)
WLTP CO ₂ Emissions	Combined	g/km	230-248 / 231-248	230-248 / 231-248

■ Standard

*WLTP is the new official EU test used to calculate standardised fuel consumption and CO₂ figures for passenger cars. It measures fuel, energy consumption, range and emissions. This is designed to provide figures closer to real-world driving behaviour. It tests vehicles with optional equipment and with a more demanding test procedure and driving profile. Figures are shown as a range under WLTP testing measures. The most economical figures refer to the most efficient/lightest set of options. The least economical figures refer to the least efficient/heaviest set of options. WLTP legislation dictates that where there is <5g CO₂ variance between the lowest and highest figures, only the highest is declared.

DEFENDER 90 TECHNICAL SPECIFICATION – PETROL

ENGINE			P300	P400 MHEV
Transmission			Automatic	Automatic
Driveline			All Wheel Drive (AWD)	All Wheel Drive (AWD)
Maximum power (HP/rpm)			300 / 5,500	400 / 5,500
Maximum torque (Nm/rpm)			400 / 1,500-4,000	550 / 2,000-5,000
Capacity (cc)			1,997	2,996
No. of cylinders/Valves per cylinder			4 / 4	6 / 4
Cylinder layout			In-line	In-line
Bore/stroke (mm)			83.0 / 92.29	83.0 / 92.29
Compression ratio (:1)			9.5+ / -0.5	10.5+ / -0.3
Fuel tank capacity - useable litres			88.5	88.5
FUEL ECONOMY - WLTP*				
Seating			5 / 6	5 / 6
WLTP Consumption Test Energy	Low	mpg (l/100km)	20.1-19.0 (14.0-14.9) / 20.0-18.9 (14.1-14.9)	19.3-18.3 (14.6-15.5) / 19.2-18.2 (14.7-15.5)
	Medium	mpg (l/100km)	26.4-24.3 (10.7-11.6) / 26.2-24.3 (10.8-11.6)	27.1-25.4 (10.4-11.1) / 26.9-25.3 (10.5-11.2)
	High	mpg (l/100km)	29.1-26.7 (9.7-10.6) / 29.0-26.7 (9.8-10.6)	30.4-27.9 (9.3-10.1) / 30.3-27.9 (9.3-10.1)
	Extra High	mpg (l/100km)	23.9-21.8 (11.8-12.9) / 23.8-21.8 (11.8-13.0)	24.5-22.2 (11.5-12.7) / 24.4-22.2 (11.6-12.7)
	Combined	mpg (l/100km)	25.1-23.2 (11.2-12.2) / 25.0-23.1 (11.3-12.2)	25.6-23.6 (11.0-12.0) / 25.5-23.6 (11.1-12.0)
WLTP CO ₂ Emissions	Combined	g/km	255-277 / 256-277	251-271 / 252-272

*WLTP is the new official EU test used to calculate standardised fuel consumption and CO₂ figures for passenger cars. It measures fuel, energy consumption, range and emissions. This is designed to provide figures closer to real-world driving behaviour. It tests vehicles with optional equipment and with a more demanding test procedure and driving profile. Figures are shown as a range under WLTP testing measures. The most economical figures refer to the most efficient/lightest set of options. The least economical figures refer to the least efficient/heaviest set of options. WLTP legislation dictates that where there is <5g CO₂ variance between the lowest and highest figures, only the highest is declared.

DEFENDER 90 TECHNICAL SPECIFICATION

	DIESEL		PETROL	
	D200	D240	P300	P400 MHEV
PERFORMANCE				
Acceleration (secs) 0-60mph	9.6	8.6	7.6	6.0
Maximum speed mph	109	117	119	129/119*
BRAKES				
Front type	Twin piston sliding fist caliper		Twin piston sliding fist caliper	4 piston opposed 2 piece caliper
Front diameter (mm)	349	349	349	363
Rear type	Single piston sliding fist		Single piston sliding fist	Single piston sliding fist
Rear diameter (mm)	325	325	325	350
Park Brake	Integrated motor-on caliper		Integrated motor-on caliper	
WEIGHTS (kg)**				
Seating	5 / 6	5 / 6	5 / 6	5 / 6
Unladen weight (EU) [†]	2,208 / 2,231	2,208 / 2,231	2,140 / 2,162	2,351 / 2,362
Unladen weight (DIN) ^{††}	2,133 / 2,156	2,133 / 2,156	2,065 / 2,087	2,276 / 2,287
Gross Vehicle Weight (GVW)	2,940 / 2,970	2,940 / 2,970	2,910 / 2,950	2,970 / 3,000
Maximum Payload [‡]	Up to 760	Up to 760	Up to 810	Up to 760
TOWING (kg)				
Seating	5 / 6	5 / 6	5 / 6	5 / 6
Unbraked trailer	750	750	750	750
Maximum towing	3,500	3,500	3,500	3,500
Maximum coupling point/nose weight	150	150	150	150
Maximum vehicle and trailer combination	6,440 / 6,470	6,440 / 6,470	6,410 / 6,450	6,470 / 6,500
ROOF CARRYING (kg)				
Maximum roof load (including cross bars)	80 / 100 [‡]	80 / 100 [‡]	80 / 100 [‡]	80 / 100 [‡]
Maximum dynamic roof load (including Expedition Roof Rack)	80 / 118 ^{‡‡}	80 / 118 ^{‡‡}	80 / 118 ^{‡‡}	80 / 118 ^{‡‡}
Maximum static roof load (including Expedition Roof Rack)	300	300	300	300

*Max speed is 129mph when fitted with 22" wheels. **Weights reflect vehicles to standard specifications. Optional extras increase weight. [†]Includes a 75kg driver, full fluids and 90% fuel. ^{††}Includes full fluids and 90% fuel. [‡]Roof load allows for up to 100kg when fitted Off-road tyres. ^{‡‡}Dynamic roof load allows for up to 118kg when fitted with Off-road tyres. ^{‡‡‡}Dependent on specifications and seating configuration.

DEFENDER 110 TECHNICAL SPECIFICATION – DIESEL

ENGINE			D200	D240
Transmission			Automatic	Automatic
Driveline			All Wheel Drive (AWD)	All Wheel Drive (AWD)
Maximum power (HP/rpm)			200 / 4,000	240 / 4,000
Maximum torque (Nm/rpm)			430 / 1,400	430 / 1,400
Capacity (cc)			1,999	1,999
No. of cylinders/Valves per cylinder			4 / 4	4 / 4
Cylinder layout			In-line	In-line
Bore/stroke (mm)			83.0 / 92.4	83.0 / 92.4
Compression ratio (:1)			15.5:1+ / -0.5	15.5:1+ / -0.5
Fuel tank capacity - useable litres			85	85
Diesel Exhaust Fluid (DEF) - useable litres			20.7	20.7
Diesel Particulate Filter (DPF)			■	■
FUEL ECONOMY - WLTP*				
Seating			5 / 5 + 2	5 / 5 + 2
WLTP Consumption Test Energy	Low	mpg (l/100km)	25.9-24.9 (10.9-11.3) / 25.7-24.7 (11.0-11.4)	25.9-24.9 (10.9-11.3) / 25.7-24.7 (11.0-11.4)
	Medium	mpg (l/100km)	33.2-30.8 (8.5-9.2) / 32.8-30.5 (8.6-9.3)	33.2-30.8 (8.5-9.2) / 32.8-30.5 (8.6-9.3)
	High	mpg (l/100km)	36.4-33.6 (7.8-8.4) / 36.0-33.3 (7.8-8.5)	36.4-33.6 (7.8-8.4) / 36.0-33.3 (7.8-8.5)
	Extra High	mpg (l/100km)	30.1-28.0 (9.4-10.1) / 29.9-27.8 (9.4-10.2)	30.1-28.0 (9.4-10.1) / 29.9-27.8 (9.4-10.2)
	Combined	mpg (l/100km)	31.7-29.5 (8.9-9.6) / 31.4-29.3 (9.0-9.6)	31.7-29.6 (8.9-9.6) / 31.4-29.3 (9.0-9.6)
WLTP CO ₂ Emissions	Combined	g/km	234-251 / 236-253	234-251 / 236-253

■ Standard

*WLTP is the new official EU test used to calculate standardised fuel consumption and CO₂ figures for passenger cars. It measures fuel, energy consumption, range and emissions. This is designed to provide figures closer to real-world driving behaviour. It tests vehicles with optional equipment and with a more demanding test procedure and driving profile. Figures are shown as a range under WLTP testing measures. The most economical figures refer to the most efficient/lightest set of options. The least economical figures refer to the least efficient/heaviest set of options. WLTP legislation dictates that where there is <5g CO₂ variance between the lowest and highest figures, only the highest is declared.

DEFENDER 110 TECHNICAL SPECIFICATION – PETROL

ENGINE			P300	P400 MHEV
Transmission			Automatic	Automatic
Driveline			All Wheel Drive (AWD)	All Wheel Drive (AWD)
Maximum power (HP/rpm)			300 / 5,500	400 / 5,500
Maximum torque (Nm/rpm)			400 / 1,500-4,000	550 / 2,000-5,000
Capacity (cc)			1,997	2,996
No. of cylinders/Valves per cylinder			4 / 4	6 / 4
Cylinder layout			In-line	In-line
Bore/stroke (mm)			83.0 / 92.29	83.0 / 92.29
Compression ratio (:1)			9.5+ / -0.5	10.5+ / -0.3
Fuel tank capacity - useable litres			90	90
FUEL ECONOMY - WLTP*				
Seating			5 / 5 + 2	5 / 5 + 2
WLTP Consumption Test Energy	Low	mpg (l/100km)	19.7-18.6 (14.3-15.2) / 19.5-18.4 (14.5-15.3)	18.9-17.9 (14.9-15.8) / 18.7-17.7 (15.1-15.9)
	Medium	mpg (l/100km)	25.7-23.8 (11.0-11.9) / 25.4-23.5 (11.1-12.0)	26.5-24.9 (10.7-11.4) / 26.2-24.7 (10.8-11.4)
	High	mpg (l/100km)	28.5-26.4 (9.9-10.7) / 28.3-26.1 (10.0-10.8)	29.9-27.5 (9.5-10.3) / 29.6-27.3 (9.5-10.3)
	Extra High	mpg (l/100km)	23.6-21.7 (12.0-13.0) / 23.4-21.5 (12.1-13.1)	24.1-22.1 (11.7-12.8) / 24.0-22.0 (11.8-12.8)
	Combined	mpg (l/100km)	24.7-22.8 (11.5-12.4) / 24.4-22.6 (11.6-12.5)	25.2-23.3 (11.2-12.1) / 24.9-23.2 (11.3-12.2)
WLTP CO ₂ Emissions	Combined	g/km	260-280 / 262-283	255-275 / 257-277

*WLTP is the new official EU test used to calculate standardised fuel consumption and CO₂ figures for passenger cars. It measures fuel, energy consumption, range and emissions. This is designed to provide figures closer to real-world driving behaviour. It tests vehicles with optional equipment and with a more demanding test procedure and driving profile. Figures are shown as a range under WLTP testing measures. The most economical figures refer to the most efficient/lightest set of options. The least economical figures refer to the least efficient/heaviest set of options. WLTP legislation dictates that where there is <5g CO₂ variance between the lowest and highest figures, only the highest is declared.

DEFENDER 110 TECHNICAL SPECIFICATION

PERFORMANCE	DIESEL		PETROL	
	D200	D240	P300	P400 MHEV
Acceleration (secs) 0-60mph	9.9	8.7	7.7	6.1
Maximum speed mph	109	117	119	129 / 119*
BRAKES	Twin piston sliding fist caliper		Twin piston sliding fist caliper	4 piston opposed 2 piece caliper
Front diameter (mm)	349	349	349	363
Rear type	Single piston sliding fist		Single piston sliding fist	Single piston sliding fist
Rear diameter (mm)	325	325	325	350
Park Brake	Integrated motor-on caliper		Integrated motor-on caliper	
WEIGHTS (kg)**	5 / 5 + 2		5 / 5 + 2	
Unladen weight (EU) [†]	2,323 / 2,380	2,323 / 2,380	2,261 / 2,318	2,463 / 2,518
Unladen weight (DIN) ^{††}	2,248 / 2,305	2,248 / 2,305	2,186 / 2,243	2,388 / 2,443
Gross Vehicle Weight (GVW)	3,150 / 3,215	3,150 / 3,215	3,105 / 3,200	3,165 / 3,250
Maximum Payload [‡]	Up to 850	Up to 850	Up to 900	Up to 850
TOWING (kg)	5 / 5 + 2		5 / 5 + 2	
Unbraked trailer	750	750	750	750
Maximum towing	3,500	3,500	3,500	3,500
Maximum coupling point/nose weight	150	150	150	150
Maximum vehicle and trailer combination	6,650 / 6,715	6,650 / 6,715	6,605 / 6,700	6,665 / 6,750
ROOF CARRYING (kg)	100		100	
Maximum roof load (including cross bars)	100	100	100	100
Maximum dynamic roof load (including Expedition Roof Rack)	100 / 168 [‡]	100 / 168 [‡]	100 / 168 [‡]	100 / 168 [‡]
Maximum static roof load (including Expedition Roof Rack)	300	300	300	300

*Max speed is 129mph when fitted with 22" wheels. **Weights reflect vehicles to standard specifications. Optional extras increase weight. [†]Includes a 75kg driver, full fluids and 90% fuel. ^{††}Includes full fluids and 90% fuel. [‡]Dynamic roof load allows for up to 168kg when fitted with Off-road tyres. [‡]Dependent on specifications and seating configuration.

DEFENDER 90 DIMENSIONS AND CAPABILITY

RIDE HEIGHT

With roof antenna (Coil suspension / Air suspension)
1,974mm / 1,969mm

HEADROOM

Maximum front/rear headroom
with standard roof 1,030mm / 980mm
with panoramic roof 1,030mm / 946mm
with folding fabric roof 1,030mm / 946mm

LEGROOM

Maximum front legroom 993mm
Maximum rear legroom second row 929mm

LOADSPACE CAPACITY

Height 904mm, Width 1,183mm
Loadspace width between arches 1,124mm
Maximum loadspace volume
behind first row Dry* 1,263 litres, Wet* 1,563 litres
behind second row Dry* 297 litres, Wet* 397 litres

OBSTACLE CLEARANCE

Off-road (Coil suspension / Air suspension) 225mm / 291mm
Standard (Coil suspension / Air suspension) 225mm / 216mm

TURNING CIRCLE

Kerb-to-kerb 11.3m
Wall-to-wall 12.0m
Turns lock-to-lock 2.7

WADING DEPTH

Maximum wading depth
Air suspension 900mm
Coil suspension 850mm

*Dry: volume as measured with VDA-compliant solid blocks (200mm x 50mm x 100mm). Wet: volume as measured by simulating the loadspace filled with liquid.

**In off-road height and tow eye cover removed.

Fitting of side tubes or side steps may affect the off-road capability of the vehicle. Challenging off-road driving requires full training and experience.

Width 2,008mm mirrors folded
Width 2,105mm mirrors out



Front wheel track
Air suspension 1,706mm
Coil suspension 1,704mm

Rear wheel track
1,702mm

Length behind
second row 460mm



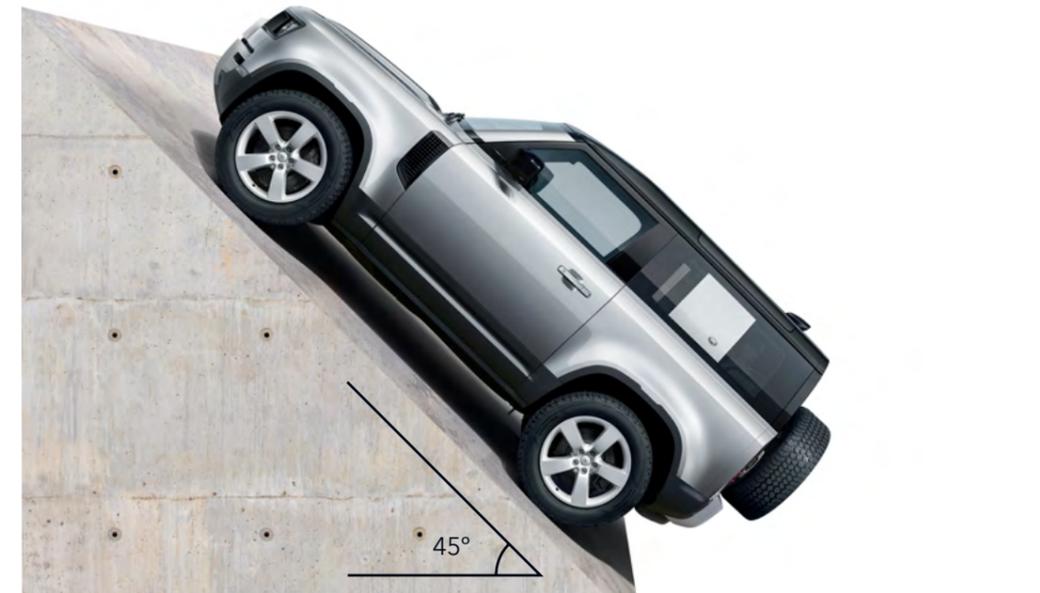
Loadspace
width
1,183mm

Length behind
first row 1,313mm

Overall length 4,583mm



	A	B	C
Ride Height			
Approach Angle	31.5° (38.0°)	25.5° (31.0°)	35.5° (40.0°)
Ramp Angle		25.0° (24.2°)	
Departure Angle			37.9° (37.6°)
Off-road** - Coil (Air)			
Standard - Coil (Air)	31.0° (30.1°)		



DEFENDER 110 DIMENSIONS AND CAPABILITY

RIDE HEIGHT

With roof antenna 1,967mm

HEADROOM

Maximum front/rear headroom 1,032mm / 1,025mm

LEGROOM

Maximum front legroom 993mm

Maximum rear legroom second row (5 seat / 5 + 2 seat)
992 / 975mm

LOADSPACE CAPACITY

Height 904mm, Width (5 seat / 5 + 2 seat) 1,211 / 1,188mm

Loadspace width between arches 1,160mm

Maximum loadspace volume

behind first row (5 seat / 5 + 2 seat)

Dry* 1,946 / 1,826 litres, Wet* 2,380 / 2,233 litres

behind second row (5 seat / 5 + 2 seat)

Dry* 857 / 743 litres, Wet* 1,075 / 916 litres

behind third row Dry* 160 litres, Wet* 231 litres

OBSTACLE CLEARANCE

Off-road 291mm

Standard 218mm

TURNING CIRCLE

Kerb-to-kerb 12.84m

Wall-to-wall 13.12m

Turns lock-to-lock 2.7

WADING DEPTH

Maximum wading depth 900mm

*Dry: volume as measured with VDA-compliant solid blocks (200mm x 50mm x 100mm). Wet: volume as measured by simulating the loadspace filled with liquid.

**In off-road height and tow eye cover removed.

Fitting of side tubes or side steps may affect the off-road capability of the vehicle. Challenging off-road driving requires full training and experience.

Width 2,008mm mirrors folded
Width 2,105mm mirrors out



Front wheel track
1,704.1mm

Rear wheel track
1,699.7mm

Length behind
second row (5 seat / 5 + 2 seat) 919 / 900mm



Loadspace
width
(5 seat /
5 + 2 seat)
1,211 / 1,188mm

Length behind
first row (5 seat / 5 + 2 seat) 1,763 / 1,789mm

Overall length 5,018mm



	A	B	C
Ride Height			
Off-road**	38.0°	28.0°	40.0°
Standard	30.1°	22.0°	37.7°

