

# DEFENDER

## TECHNICAL DETAIL



# ICON

Land Rover is the world's leading four-wheel drive specialist and Defender is its ultimate off-roader. The design is one of brilliant simplicity, unrivalled strength and legendary ability. That's why Defender is trusted by those who demand the most.

Today's Defender is a product of a controlled evolution - an unbeatable combination of Land Rover tradition, proven development, and the very latest

dependable technology. The result is the definitive off-road vehicle which viewers of BBC's Top Gear chose as their "Greatest Car of all Time".

Instantly recognized wherever it is seen, Defender has many contemporaries but no peers. In the words of survival expert Ray Mears: "There's something reassuring about the shape of the Defender. You see one coming and think everything's going to be alright."



# COLOURS AND BODYSTYLES



**Defender 90 Station Wagon**  
**Zambezi Silver\*** - clear over base metallic



**Defender 90 Hard Top**  
**Rutland Red** - clear over base solid



**Defender 110 Crew Cab**  
**Belize Green** - clear over base solid



**Defender 110 Station Wagon**  
**Oslo Blue\*** - clear over base metallic



**Defender 110 Station Wagon**  
**Caledonian Blue** - clear over base solid



**Defender 130 High Capacity Double Cab Pick Up**  
**Chawton White** - clear over base solid



**Defender 90 Pick Up**  
**Bonatti Grey\*** - clear over base metallic



**Defender 110 Pick Up**  
**Alveston Red\*** - clear over base metallic



**Defender 110 Hard Top**  
**Epsom Green** - clear over base metallic



**Defender 110 High Capacity Pick Up**  
**Java Black** - clear over base metallic

Land Rover's new paintshop at Solihull embraces the very latest paint technology providing great reductions in the use of solvents. Every Land Rover vehicle spends twelve hours in the paintshop passing through over twenty processes that ensure a superbly polished and supremely protective finish for every vehicle from the traditional solid paint finishes to the vibrant metallics and metallics.

The colours shown in this booklet cover all the models currently produced by Land Rover. Some of these colours may not be obtainable in your country. Please check availability with your Land Rover Dealer.












# TRIM COMBINATIONS



**E - TWILL VINYL**



**S - TECHNO CLOTH**

	CHAWTON WHITE CLEAR OVER BASE SOLID	E - TWILL VINYL	S - TECHNO CLOTH
<b>SOLID</b>	 Caledonian Blue clear over base solid	Recommended	Available
	 Belize Green clear over base solid	Recommended	Available
	 Rutland Red clear over base solid	Recommended	Available
	 Java Black clear over base metallic	Recommended	Designers Choice
<b>MICATALIC / METALLIC</b>	 Bonatti Grey clear over base metallic	Recommended	Designers Choice
	 Zambezi Silver clear over base metallic	Not Available	Designers Choice
	 Epsom Green clear over base metallic	Available	Recommended
	 Alveston Red clear over base metallic	Available	Available
	 Oslo Blue clear over base metallic	Available	Available

# SEATING COMBINATIONS

## 90

**HT/PU**  
2 seats with Storage Tray,  
optional centre seat available



**SW - 'E' specification**  
6 seats with Storage Tray,  
optional centre seat available,  
individual rear seat option

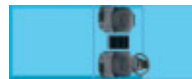


**SW - 'S' specification**  
6 individual seats with Storage Tray



## 110

**HT/PU/HCPU**  
2 seats with Storage Tray,  
optional centre seat available



**SW - 'E/S' specification**  
9 seats with Storage Tray,  
individual rear seat optional



**DCPU**  
5 seats with Storage Tray,  
optional centre seat available



## 130

**HCDCPU**  
5 seats with Storage Tray,  
optional centre seat available



# WHEELS AND TYRES

## CHOOSING THE RIGHT TYRE

No tyre is perfect for all driving conditions, therefore Land Rover offer a range of tyres to suit a wide variety of surfaces.

Choosing the correct tyre for the type of conditions you are most likely to experience will enable you to get the best from your Defender.



Standard steel wheel  
90/110  
5.5F x 16  
140 x 406



Heavy duty steel wheel  
110/130  
6.5J x 16  
165 x 406



Freestyle 90 & 110 choice,  
Boost alloy  
7J x 16  
175 x 406

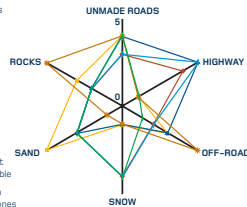
Other wheel options are available as accessories.



Distance from centre indicates level of performance

1 = Good 5 = superior

- HIGHWAY** - Normal tarmac road
- UNMADE ROAD** - Dirt or gravel
- OFF-ROAD** - Mud and grass
- SNOW** - Compact snow and ice
- SAND** - Loose or compact sand, rocks possible
- ROCKS** - Solid rock strewn with boulders/stones



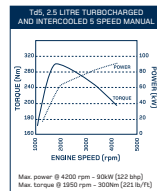
	WHEEL	TYRE SIZE	APPLICABILITY			
			90	110	110 HD	130
MICHELIN XPC	STD STEEL	205R16 750R16	■	□	□	
MICHELIN XS & XSF	STD STEEL	750R16	□	□		
MICHELIN XZL	STD STEEL	750R16	□	□	□	■
AVON RANGEMASTER	STD STEEL	750R16	□	■		
GOODYEAR G90	HD STEEL	750R16			■	□
GENERAL GRABBER	BOOST ALLOY	235/85R16	□	□		

■ = Standard  
□ = Option

## THE Td5 2.5 LITRE DIESEL

The Td5 diesel engine represents state-of-the-art electronic high speed direct injection design and allows Defender to retain its position as a class-leading diesel vehicle.

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 inevitably differences between individual vehicles of the same model. In addition, the vehicle may 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 all affect its fuel consumption. Information as to the results of officially approved tests on all vehicles tested is available for inspection by customers on the premises where these vehicles are displayed.



### FUEL TANK CAPACITY

	90	110	130
Diesel - litres	60	75	75
Imperial gallons	13.2	16.5	16.5

### FUEL ECONOMY (MPG - L/100KM)

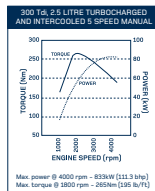
Urban	23.7 (11.9)	23.2 (12.2)	N/A
Extra urban	32.1 (8.8)	29.7 (9.5)	N/A
Combined	29.2 (10)	26.9 (10.5)	N/A
Drive by noise (SW)	76db	75db	N/A
CO <sub>2</sub> g/km	282	299	N/A
Certifiable emissions	EU3	EU3	N/A

# ENGINES

## THE Tdi 2.5 LITRE DIESEL

This 2.5 mechanical diesel engine provides enduring reliability coupled with a performance to match Defender's hard working lifestyle.

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 inevitably differences between individual vehicles of the same model. In addition, the vehicle may 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 all affect its fuel consumption. Information as to the results of officially approved tests on all vehicles tested is available for inspection by customers on the premises where these vehicles are displayed.



### FUEL TANK CAPACITY

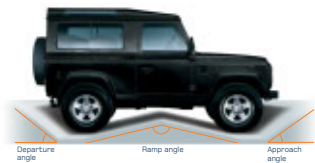
	90	110	130
Diesel - litres	54.5	80	80
Imperial gallons	12	17.5	12.5

### FUEL ECONOMY (MPG - L/100KM)

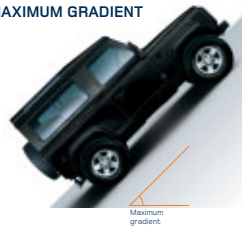
Urban	22.4 (11.7)	22.7 (12.2)	N/A
Extra urban	32.5 (8.7)	32.4 (8.7)	N/A
Combined	28.8 (9.8)	26.9 (10.1)	N/A

# CAPABILITIES

## APPROACH/DEPARTURE ANGLES



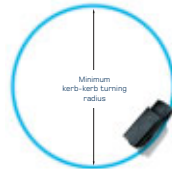
## MAXIMUM GRADIENT



## MAXIMUM TRAVERSE ANGLE



## MINIMUM KERB-KERB TURNING



## WADING DEPTH



## OBSTACLE CLEARANCE



## GRADIENTS AT KERB WEIGHT

	90		110		130
Tyre size	205	75/235	75/235	75	75
Maximum Gradient	45°	45°	45°	45°	45°
Approach Angle	48°	51° 30'	50°	50°	50°
Departure Angle	49°	53°	34° 30'	34°	34°
Ramp Break	145°	141°	152°	155°	155°
Traverse Angle	30°	30°	30°	30°	30°

## WEIGHTS Kg

	90			110				130	
STANDARD	Pick Up	Hard Top	Station Wagon	Pick Up	High Capacity Pick Up	Hard Top	Station Wagon	Double Cab	Double Cab HCPU
Gross vehicle	2400	2400	2550	3050	3050	3050	2950	3050	N/A
Kerb weight*	1770	1815	1870	1885	1920	1920	2055	1995	N/A
Payload**	630	585	680	1165	1130	1130	895	1055	N/A
<b>HEAVY DUTY</b>									
Gross vehicle	2550	2550	N/A	3500	3500	3500	N/A	N/A	3500
Kerb weight*	1785	1830	N/A	1900	1935	1935	N/A	N/A	2117
Payload**	765	720	N/A	1600	1565	1565	N/A	N/A	1383

\*Kerb weight = Unladen weight + full tank @ 75kg driver. \*\*Payload = GVW - Kerb weight.

## MINIMUM TURNING RADIUS metres (feet)

	90			110		130
	Standard	Pick Up	Freestyle 90 choice	Standard	Freestyle 110 choice	Standard
Tyre size	750x16	205x16	235x16	750x16	235x16	750x16
Minimum Turning Radius	6.15 (20.2)	5.85 (19.2)	6.67 (21.9)	6.4 (21.0)	7.18 (23.6)	7.54 (24.75)

## BRAKES

Servo assisted front and rear disc brakes on all models.

## STEERING

All models have power assisted steering. Worm and roller (Adwest Variomatic).

## GROUND CLEARANCE mm (inch)

	90		110	130
Tyre size	205	75/235	75/235	75
Minimum Ground Clearance (unladen)	191 (7.5)	229 (9)	215 (8.5)	215 (8.5)

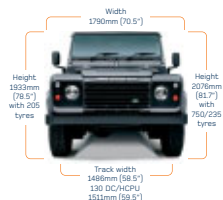
## WADING DEPTH mm (inch)

Wading Depth	500 (20)	500 (20)	500 (20)	500 (20)
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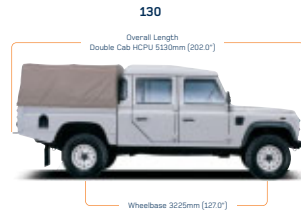
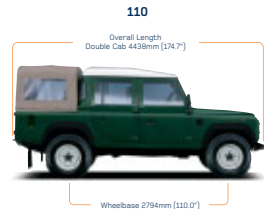
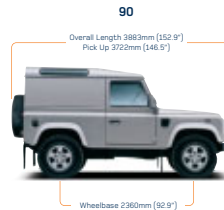
# DIMENSIONS

## DIMENSIONS mm (in)

	90			110					130	
	Pick Up	Hard Top	Station Wagon	Pick Up	High Capacity Pick Up	Hard Top	Station Wagon	Double Cab	Double Cab HCPU	
Track Front/Rear	1486 (58.5)	1486 (58.5)	1486 (58.5)	1486 (58.5)	1486 (58.5)	1486 (58.5)	1486 (58.5)	1486 (58.5)	1511 (59.5)	
Cargo bed length	*983 (38.7)	1144 (45.0)	1144 (45.0)	*1740 (68.5)	2010 (79.2)	1900 (74.8)	N/A	1020 (40.8)	1668 (65.7)	
*add 18mm if spare wheel removed										
Interior width	1430 (56.3)	1430 (56.3)	1430 (56.3)	1430 (56.3)	1670 (65.7)	1430 (56.3)	1430 (56.3)	1430 (56.3)	1670 (65.7)	
Interior height	N/A	1205 (47.4)	1175 (46.3)	N/A	N/A	1205 (47.4)	1175 (46.3)	N/A	N/A	
Width between wheel boxes	925 (36.4)	925 (36.4)	925 (36.4)	925 (36.4)	1090 (43.0)	925 (36.4)	925 (36.4)	925 (36.4)	1092 (43.0)	
Tailgate aperture width	864 (34)	864 (34)	864 (34)	864 (34)	1382 (53.6)	864 (34)	864 (34)	864 (34)	1362 (53.6)	
Largest Box Length	830 (32.6)	1030 (40.6)	1005 (40)	1570 (61.8)	1980 (78)	1750 (68.9)	1100/1470 (43.5/57.9)	890 (27.2)	1640 (64.6)	
Largest Box Width	800 (31.5)	755 (29.7)	660 (26)	800 (31.5)	1060 (41.7)	755 (29.7)	660 (26)	800 (31.5)	1060 (41.7)	
Largest Box Height	1160 (45.7)	1050 (41.3)	1050 (41.3)	1160 (45.7)	1160 (45.7)	1050 (41.3)	1050 (41.3)	1160 (45.7)	1160 (45.7)	



Vehicle height depends on tyre and suspension options





# VEHICLE LOADING

Incorrect vehicle and trailer loading can give excessive tyre, brake and spring wear, overloaded axles, poor vehicle handling and braking performance and a generally unstable and inefficient vehicle.

The following factors should be taken into consideration when choosing your vehicle and the equipment you specify.

## PAYLOAD & WEIGHT DISTRIBUTION

A correct weight distribution is achieved by considering several simple points:-

- Payload is calculated by GVW-EEC kerb weight and must not be exceeded
- This payload should be distributed as evenly as possible along the vehicle
- The fore/aft position of the payload must be chosen to prevent overloading of particular axles
- The payload should be kept down as low as possible
- Additional affects of a trailer should be taken into consideration (see towing section below)

Please refer to the table opposite and the dimensions section to assess the most appropriate vehicle configuration for the loads you are likely to carry. For example, if you wish to carry relatively compact, but heavy loads, a vehicle such as the 110 pickup, where the load can be stowed as far forward as possible would be appropriate. For less heavy loads, the 110 DCPU will give additional personnel carrying capabilities.

## TOWING

### Trailer loading

In order to obtain the best performance from your Land Rover, trailers should be loaded level and with the correct nose weight.

Note the trailer nose weight must be taken into account when estimating axle loads and will have a disproportionate affect due to the position of the hitch behind the rear axle (see table opposite)

## Choosing the correct equipment

Land Rover offer a range of towing equipment to suit different applications, both as optional original equipment and accessories.

Multi-height tow bars enable the hitch to be fixed at a specific position and are a cost effective solution for people who are only likely to tow one particular trailer or caravan.

Adjustable tow bars enable the hitch to be readily adjusted to different heights and are suitable for users who are likely to tow a variety of different trailers, or where the rear height of the vehicle may vary significantly with different payloads

Either a tow ball or a combined ball and jaw unit can be specified. The ball is suitable for most purposes, the Jaw unit gives greater versatility.

## ROOF RACKS

Any load on the roof of the vehicle will affect vehicle handling and significant or tall loads should be avoided. Land Rover recommend a maximum of 75kg including the roof rack.

Land Rover Accessories and special Vehicles offer a range of roof rack systems to ensure roof loads are carried as safely as possible.

Sports bars are suitable for long loads that can be secured at two points such as ladders, canoes, windsurfers etc and, being the lightest racks, have the greatest weight carrying capability within the 75kg recommendation. They can also be fitted with a variety of specific attachments for items such as bicycles, skis, luggage boxes etc

Expedition racks are available in different lengths applicable to different bodystyles and wheelbases. These are suitable for stowing a quantity of different items of equipment, and enable loads to be distributed across a wider area to keep the load height to a minimum.

# LOAD CAPABILITIES

## MAXIMUM AXLE

	90			110				130	
	Pickup (HD)	Hardtop (HD)	Station Wagon HD Standard	Pickup (HD)	HCPU (HD)	Hardtop (HD)	Station Wagon (UK Freestyle)	Double Cab (HD)	Heavy Duty
Front axle (kg)		1200 (1200)		1200 (1580)	1200 (1580)	1200 (1580)	1200 (1200)	1200 (1580)	1580
Rear axle (kg)		1380(1500)		1850 (2200)	1850 (2200)	1850 (2200)	1750 (1940)	1850 (2200)	2200
Gross vehicle weight (kg)		2400 (2550)		3050 (3500)	3050 (3500)	3050 (3500)	2950 (3050)	3050 (3500)	3500
Front axle at kerb	975 (980)	970 (975)	968	1027 (1032)	1022 (1027)	1022 (1027)	1026 (1041)	1052 (1057)	1130
Rear axle at kerb	795 (805)	845 (855)	902	858 (868)	898 (908)	898 (908)	1029 (1039)	943 (953)	987

## SUSPENSION

	90		110		130 & 110 HEAVY DUTY	
	Front	Rear	Front	Rear	Front	Rear
Front	Live beam axle, single rate coil springs, telescopic hydraulic dampers. Panhard rod.		Live beam axle, dual rate coil springs, telescopic hydraulic dampers. Panhard rod.		Live beam axle, single rate coil springs, telescopic hydraulic dampers. Panhard rod.	
Rear	Live beam axle, single rate coil springs (dual rate on 2550kg) telescopic hydraulic dampers. "A" frame.		3050kg live beam axle, multi-rate coil springs, telescopic hydraulic dampers. "A" frame.		Live beam axle, single rate coil springs, telescopic hydraulic dampers. "A" frame. Co-axial helper springs.	

## TOWING All weights in kg

	90		110		130	
	Unbraked trailer	Recommended max. trailer nose weight (kg)	Unbraked trailer	Recommended max. trailer nose weight (kg)	Unbraked trailer	Recommended max. trailer nose weight (kg)
Effect on rear axle weight	193	150	204 (HCPU 220)	150	211	150

## ROOF LOAD SYSTEM Approved Land Rover Genuine Parts roof rack. All weights in kg. Weight includes roof rack.

	90		110	
	Roof rack	Ladder rack	Roof rack	Ladder rack
Roof rack	75	75	75	75
Ladder rack	75	75	75	75

# FEATURES

1. Hard Top without side windows  
2. Not available on 130  
3. Standard on 130  
4. Soft Top only

5. Not Soft Top  
6. Not Soft Top or 110 Hard Top  
7. Standard on 110

■ = Standard equipment □ = Option - = Not available

	90/110 HARD/SOFT TOP <sup>1</sup>		90 PU/110 PU 110 HCPU		110/130 CREW CAB		90 SW		110 SW	
	E	S	E	S	E	S	E	S	E	S
<b>INTERIOR TRIM</b>										
2 Twill vinyl seats	■	-	■	-	-	-	-	-	-	-
5 Twill vinyl seats	-	-	-	-	■	-	-	-	-	-
6 Twill vinyl seats (2-seat side bench rear compartment seats)	-	-	-	-	-	-	■	-	-	-
9 Twill vinyl seats (2-seat side bench rear compartment seats)	-	-	-	-	-	-	-	-	■	-
Centre Seat in lieu of Storage Tray	□	□	□	□	□	□	□	□	□	□
2 Cloth Seats	□	■	□	■	-	-	-	-	-	-
5 Cloth Seats	-	-	-	-	□	■	-	-	-	-
6 Cloth Seats (individual rear compartment seats)	-	-	-	-	-	-	□	■	-	-
6 Cloth Seats (2 seat side bench, rear compartment bench)	-	-	-	-	-	-	□	-	-	-
9 Cloth Seats (2-seat side bench rear compartment seats)	-	-	-	-	-	-	-	-	□	■
9 Cloth Seats (individual compartment seats)	-	-	-	-	-	-	-	-	□	□
2 Black Part Leather Seats	-	-	-	-	-	-	-	-	-	-
5 Black Part Leather Seats	-	-	-	-	-	-	-	-	-	-
6 Black Part Leather Seats (individual rear compartment seats)	-	-	-	-	-	-	-	-	-	-
9 Black Part Leather Seats (individual rear compartment seats)	-	-	-	-	-	-	-	-	-	-
Leather steering wheel and gear knobs	-	-	-	-	-	-	-	-	-	-
Cubby Box	□	□	□	□	□	□	□	□	□	□
*Brunel* coloured switch panel	-	-	-	-	-	-	-	-	-	-
<b>IN CAR ENTERTAINMENT</b>										
Radio Preparation (inc aerial)	■	-	■	-	■	-	■	-	■	-
Stereo radio cassette with 2 speakers	□	■	□	■	□	■	-	■	-	■
Stereo radio 6 single CD with 2 speakers	□ <sup>4</sup>	□ <sup>4</sup>	□	□	□	□	-	-	-	-
Stereo radio 6 single CD with 4 speakers	□ <sup>5</sup>	□ <sup>5</sup>	-	-	-	-	□	□	□	□

	90/110 HARD/SOFT TOP <sup>1</sup>		90 PU/110 PU 110 HCPU		110/130 CREW CAB		90 SW		110 SW	
	E	S	E	S	E	S	E	S	E	S
<b>COMFORT, CONVENIENCE AND SAFETY</b>										
Heated Rear Window & Wash Wipe	□ <sup>5</sup>	■	-	-	-	-	■	■	■	■
Sliding glass rear side windows	□ <sup>5</sup>	□ <sup>5</sup>	-	-	-	-	■	■	■	■
Alpine lights	□ <sup>5</sup>	□ <sup>5</sup>	-	-	-	-	■	■	■	■
Tinted Glass	□	■	□	■	□	■	□	■	□	■
Sunroof	-	-	-	-	-	-	□	□	□	□
ABS/ETC	□	□	□	□	□ <sup>2</sup>	□ <sup>2</sup>	□	□	□	□
Air Conditioning	□	□	□	□	□	□	□	□	□	□
Convenience Pack (Electric front windows & CDL)	□	■	□	■	□	■	□	■	□	■
Cubby box with 2 cup holders	□	□	□	□	□	□	□	□	□	□
Bulkhead deletion	-	-	-	-	-	-	□	■	-	-
Alarm/immobilisation	□	□	□	□	□	□	□	□	□	□
Cold Climate Pack	□	□	□	□	□	□	□	□	□	□
Heated Windscreens	□	□	□	□	□	□	□	□	□	□
Headlamps levelling	□	□	□	□	□	□	■	■	■	■
Cargo space lashing rings	■	■	-	-	-	-	■	■	■	■
Rear door storage net	-	-	-	-	-	-	-	-	-	-
<b>EXTERIOR</b>										
Mudflaps - Front	□	■	□	■	□	■	-	■	-	■
Tow ball or pintle, drop plate & electrics	□	□	□	□	□	□	□	□	□	□
Paint - Metallic/Miscatolic	□	□	□	□	□	□	□	□	□	□
*Brunel* Grille & Headlight Surrounds	-	-	-	-	-	-	-	-	-	-
Under ride protection bar	□	□	□	□	□	□	□	□	□	□
Alloy wheel 6 235 tyre	□	□	□	□	□ <sup>3</sup>	□ <sup>3</sup>	□	□	□	□
Sidesteps 2	□	□	□	□	-	-	-	-	-	-
Sidesteps 4	-	-	-	-	□	□	-	-	-	-
Rear folding step	□ <sup>5</sup>	□ <sup>5</sup>	-	-	-	-	■	■	■	■
Side Runners	-	-	-	-	-	-	-	-	-	-
Cargo Cover (no side windows)	-	-	□	□	□ <sup>3</sup>	□ <sup>3</sup>	-	-	-	-
Cargo Cover (with side windows)	□ <sup>4</sup>	□ <sup>4</sup>	□	□	□ <sup>7</sup>	□ <sup>7</sup>	-	-	-	-
Heavy Duty Suspension (90 = 2550kg, 110 = 3500kg)	□	□	□	□	□ <sup>7</sup>	□ <sup>7</sup>	■	■	-	-
Smoked front indicators & side repeaters	-	-	-	-	-	-	-	-	-	-
Body coloured wheel arches	-	■	-	■	-	■	-	■	-	■
Body coloured roof (metallic paints only)	-	□ <sup>6</sup>	-	□	-	□	-	□	-	□

# SPECIAL VEHICLES

In addition to the wide range of standard vehicles, Land Rover Special Vehicles offer a variety of vehicle conversions which combine the inherent strengths of Defender with specific functional applications.



## QUADTECH



QUADTECH 1 QUADTECH 2 QUADTECH 3 QUADTECH 4

PLATFORM	Defender 130			
CREW BODY	Double Cab	Single Cab		
<b>OVERALL DIMENSIONS</b>				
Length (mm)	5000	5000	5000	5000
Width (mm)	1935	1935	1935	1935
Height (mm)	2073	2073	2073	2073
<b>WEIGHTS</b>				
GVM (kg)	3500			
Payload (kg)	1200	1360		
<b>BOX</b>				
Length (mm)	1640	1640	2450	2450
Width (mm)	1844	1844	1844	1844
Height (mm)	1155	1568	1155	1568

## HYDRAULIC PLATFORMS



VM10.5 VM12.5 VM13.5 VM14.5  
INSULATED PLATFORM

PLATFORM	Defender 110/1		Defender 130	
CREW BODY	Single Cab			
<b>OVERALL DIMENSIONS</b>				
Length (mm)	-	-	-	-
Width (mm)	1790	1790	1750	1790
Height (mm)	2920	3200	2870	3050
<b>WEIGHTS</b>				
GVM (kg)	110 - 3050	3500		
	130 - 3500			
Payload (kg)	110 - 0	470	0	0
	130 - 750			
<b>WORKING PARAMETERS</b>				
Max work height (mm)	10500	12500	13500	14500
Max outreach (mm)	4750	5200	6000	6400
Safe working load (kg)	250	200	200	215

## DROPSIDES & TIPPERS



3-MAN 6-MAN

PLATFORM	Defender 130		Defender 90 Defender 110	
CREW BODY	Single Cab	Double Cab	Hard Top	
	Dropside	Tipper	Dropside	Tipper
<b>OVERALL DIMENSIONS</b>				
Length (mm)	5120		3882	4599
Width (mm)	1935		1790	1980
Height (mm)	2060	2130	2060	2130
<b>WEIGHTS</b>				
GVM (kg)	3500		2550	3050
Payload (kg)	1350	1250	1250	1000
<b>LOAD BED</b>				
Internal length (mm)	2560	1722		
Internal width (mm)	1865	1865		
Internal height (mm)	2560	380		
Ground to floor (mm)	940	1010	940	1010

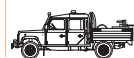
## WORKSHOPS



90 110

PLATFORM	Defender 130	
CREW BODY	Single Cab	Double Cab
<b>OVERALL DIMENSIONS</b>		
Length (mm)	5130	5130
Width (mm)	1935	1935
Height (mm)	2060	2060
<b>WEIGHTS</b>		
GVM (kg)	3050	
Payload (kg)	Dependent on Spec	

## FIRE TENDERS



3-MAN 6-MAN

PLATFORM	Defender 130	
CREW BODY	Single Cab	Double Cab
<b>OVERALL DIMENSIONS</b>		
Length (mm)	5130	5130
Width (mm)	1935	1935
Height (mm)	2060	2060
<b>WEIGHTS</b>		
GVM (kg)	3050	
Payload (kg)	Dependent on Spec	

WORKSHOPS FEATURES	A	B	C	D
	90 110	90 110	90 110	90 110
Interior striplight	-	-	-	-
Exterior worklamp	-	-	-	-
Two exterior worklamps	-	-	-	-
Checker plate wing tops	-	-	-	-
Upper bulkhead	-	-	-	-
Lining (wheelboxes and sidewalls)	-	-	-	-
Lining (wheelboxes and LH sidewall only)	-	-	-	-
Lining (wheelboxes only)	-	-	-	-
Rubber mat	-	-	-	-
Amber Beacon	-	-	-	-
Twin Beacons	-	-	-	-
Longitudinal open rack (FHS)	-	-	-	-
Near security mesh	-	-	-	-
Dixon bate tow gear	-	-	-	-
12 volt power sockets	-	-	-	-
Phenolic floor	-	-	-	-
Bonnet tread plate	-	-	-	-
Roof rack (Brownchurch)	-	-	-	-
Rear access ladder	-	-	-	-
Ladder rack	-	-	-	-
Longitudinal open rack (FHS)	-	-	-	-
Handwash unit	-	-	-	-
Tool locker	-	-	-	-
Fixed rear step	-	-	-	-
Folding rear step	-	-	-	-
<b>FIRE TENDERS STANDARD SAFETY FEATURES</b>				
Lighting pack	Exterior equipment			
Alternating flashing headlamps	Tonneau cover			
Lightbar	Roll cage			
Front blue strobes	Painted roof			
Split charge & auxiliary battery	Common fire fighting systems			
Water inlet & fill system				
Water tank				
Folding knuckle crane				
<b>Power Pack</b>				
Fire fighting modules				
Storage unit				
Engine driven soaker pump				
Soaker hose reel assembly				
Engine driven fogging pump				
Fogging hose reel				
CAF air compressor				
CAF mixer head & hose				



**Colours**  
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