

Model code : UKM_40J80868HD00
Print date: 13/01/2021
Last updated: 13/01/2021

Prepared for :

D 18 HIGH 4X2 R 250 E6 - GVW 18T / GTW 18 T

RENAULT TRUCKS

D 18

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WEIGHTS

Wheelbase		mm	6.800
Payload	(C)	Kg	12256
Maximum Weight (registered)	Total (GVW)	Kg	18000
	Front axle 1	Kg	7100.00
	rear axle 1	Kg	11500
Min. weight complete vehicle unladen	Front axle(s)	Kg	4781.00
Kerb Weight	total	Kg	5744
Chassis cab kerb weight	Front Axle 1	Kg	3823.00
	Rear Axle 1	Kg	1921.00
Total vehicle weight under full load at YMAX	Front axle(s)	Kg	7100.00
	Rear axle(s)	Kg	10900.00
Total vehicle weight under full load at YMIN	Front axle(s)	Kg	5801.00
	Rear axle(s)	Kg	12199.00

This table includes the weights of the RENAULT TRUCKS options: full urea tank, oil, screen wash fluid and coolant at 100%, fuel fill level 90% and driver present (75 kg)

To maintain the driving comfort (lightness of steering, braking) of vehicles in all load and driving conditions once the vehicle is bodied, the following minimum front axle load(s) must be respected: 2500 kg

LENGTHS

Wheelbase		mm	6.800
Front Overhang	(H / BEP L016)	mm	1325
Wheelbase	(F / BEP L011)	mm	6800
Rear overhang	Chassis	mm	3056



Bodywork rear overhang	Min. (Xmin / BEP L017)	mm	2434
	Max. (Xmax / BEP L017)	mm	3875
Cab entry	(B / BEP L102)	mm	730
Body length	Min. (Wmin / BEP L105)	mm	8504
	Max. (Wmax / BEP L105)	mm	9945
Load Centre of Gravity	Total	mm	0
Centre of Gravity of load	Max. (Ymax / BEP L103)	mm	1818
	Min. (Ymin / BEP L104)	mm	1098
Centre of Gravity of vehicle	at X (BEP L044)	mm	2304.00
Overall Chassis Length	(A / BEP L001)	mm	11181

HEIGHTS

Wheelbase		mm	6.800
Ground clearance, laden	Rear (U3 / BEP H016)	mm	232
	Front (U1 / BEP H015)	mm	273
Max. exterior height unladen	(BEP H001)	mm	3457
Max. exterior height, cab tilted, unladen	(O1 / BEP H061)	mm	3561.00
Cab height (unladen)	(O)	mm	2849
Distance from ground to lowest point at front of vehicle	Unladen (H0 / BEP H18)	mm	346.00
	Laden (H0 / BEP H18)	mm	268.00
Frame top height at front axle	Unladen (H1 / BEP H035)	mm	978.00
	Laden (H1 / BEP H036)	mm	891.00
Frame top height at drive axle	Unladen (H2 / BEP H037)	mm	1076
	Laden (H2 / BEP H038)	mm	940
Frame top height at the rear of the frame	Unladen (HN)	mm	1119.00
	Laden (HN)	mm	961.00
Centre of Gravity of vehicle	Unladen at Z (BEP H044)	mm	800.00
Side member height	(BEP H032)	mm	260.00

TOWING DEVICE

Wheelbase		mm	6.800
Distance between the front of the vehicle and the centre of the trailer coupling device	(BEP L045 + L016)	mm	
Distance between centre of last axle to centre of coupling device		mm	
Height of towing hook / top of side member	(BEP H045)	mm	

WIDTHS

Wheelbase		mm	6.800
Max exterior cab width with rear view mirrors open	(BEP W001)	mm	2998.00
Max. cab width	(BEP W002)	mm	2400
Frame width	Front (BEP W035)	mm	866
	Rear (BEP W036)	mm	866
Width at rear wheels	Rear axle 1 (V3 / BEP W003.2)	mm	2478
Track	Rear 1 (V2 / BEP W013.2)	mm	1833
	Front (V1 / BEP W013.1)	mm	1996

OTHER

Wheelbase		mm	6.800
Approach angle	(BEP H010)	°	14
Ramp angle	(BEP H012)	°	12.90
Departure angle	(BEP H011)	°	13.80
Side member thickness	(BEP W034)	mm	8.00
Turning Radius	Overall (BEP W012)	mm	12300.00



	kerb to kerb	mm	11702.50
	interior	mm	6852.00

DTI 8 ENGINE

Antifreeze protection: -25°C.
Max. power: 184 kW at 2100 rpm
Max. torque: 950 Nm from 900 rpm to 1700 rpm
 Power output (UK): 247 hp
 6-cylinder in-line diesel engine - 4 valves per cylinder - Rear-mounted timing
 COMMON RAIL high-pressure direct fuel-injection 2000 bar
 Bore 110 mm - stroke 135 mm - Capacity 7.7 litres
 Variable geometry turbocharger
 Exhaust gas recirculation
 Direction of rotation (seen from G/B end): anti-clockwise
 Oil capacity: 27 L including filtration
 Sheet metal oil sump
 Cooling circuit capacity: 17 litres
 EEC EURO VI pollution control level
 Compact post-treatment system (7th injector, catalytic converter, DPF, SCR)
 Cooling liquid
 Reduction in engine torque of 25% when vehicle emissions are above the legislative levels, step-D (EC regulation).
 Soundproofing level complies with EEC standards (80dB)

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ENGINE EQUIPMENT

Partial gas recycling (semi-closed circuit)
 Without engine Power Take Off.
 Electronic speed limiter (90 km/h).

CLUTCH

SAE 395 pushed clutch

GEARBOX

OPTITRONIC 6AS 1000 automated gearbox (6.75 - 0.78) and automated clutch . Aluminium casing.
 6 forward gears and 1 reverse gear.
 Mode use control at steering wheel (automatic / manual / manoeuvre). Gear selection at steering wheel.

RETARDER

Exhaust-mounted retarder (120 kW at 2800 rpm)

POWER TAKE-OFF

Without gearbox mounted PTO

STEERING

Hydraulic steering box with variable step-down power assistance.
 Right hand drive.

Driving on the left

FRONT AXLE

Load capacity (technical max.) Front axle: 7.1 t.

WHEELS AND TYRES

Dimension 305/70 R 22.5
 Profile G. KMAX S/D
 Steel disc wheels
 Without spare wheel.

REAR DRIVE AXLE

P11150 drive axle with single reduction
 Without differential lock.
 Load capacity: Rear axle: 11.5 t
 Drive axle ratio: 4.13
 Engine speed at 90 km/h: 1584 rpm

Service brake:

Braking system with two independent circuits
 All-disc brakes
 Single cylinder air compressor 500 l/min, 360 cm³
 Electronic management of air production by APM (Air Product Management)
 Dryer cartridge optimised by preventive maintenance
 Without rear trailer coupling.

EBS:

Anti-wheel lock braking system (ABS).
 Anti-slip regulation (ASR).



Drag torque control (Torque control during downshifting).
Retarder and service brake linking
Differential engagement management (if equipped) at speeds <10 km/h (4x2)
Braking performance warning
ESC (Electronic Stability Control) trajectory control and anti-rollover system
Coupling traction test
Emergency brake assist (EBA)
Emergency brake lights (EBL)

Parking brake:

Air operated spring brake actuators on rear wheels

Brake adjustment:

Automatic brake lining slack compensation.

Emergency brake:

Ensured by independence of main device circuits

CAB

Cab exterior:

Global cab

All steel Cab, electro-zinc plated and cataphoretic paint treatment.

Cab paint colour: White ekla
technical code: 09350

Red badge

Anti-spray deflectors

Cab suspension with rubber pads on the front and mechanical on the rear

Hydraulic cab tilt.

2 heated, remote control rear view mirrors.

2 wide angle rearview mirrors.

Kerb view mirror.

Rear view mirrors for bodywork from 2500 to 2600 mm wide

Fold-back front view mirror

Air intake behind cab.

Air filter clogging indicator

Spray suppression on front wings

Adjustable roof deflector

Provision for mounting external sun visor.

Tinted, laminated windscreen.

Without rear window.

Cab interior:

Upper storage cupboard with net cover, 2 storage compartments (50 l) with net covers

Three sun blinds on windscreen

DTCO 4.0 digital chronotachograph

Manual roof vent

Air-suspended driver's seat with fitted seat belt.

Driver's armrest

Red seat belts

Safety belt warning.

Adjustable passenger seat

One-piece lower bunk

Cab lighting time-delay.

Curtains around cab.

pare-soleil latéral coulissant côté conducteur

Electrically operated door windows

Cab independent night heater air/air (2 kW)

Air conditioning

Handbook and Service pack in English.

Steering wheel equipment:

4-spoke steering wheel

Analogue and digital DAB / DAB+ radio

Bluetooth 4.0 for audio playback streaming with hands-free function and steering wheel-mounted controls

Instrument panel:

Central tablet support with 2 USB-C ports

Speedometer in miles

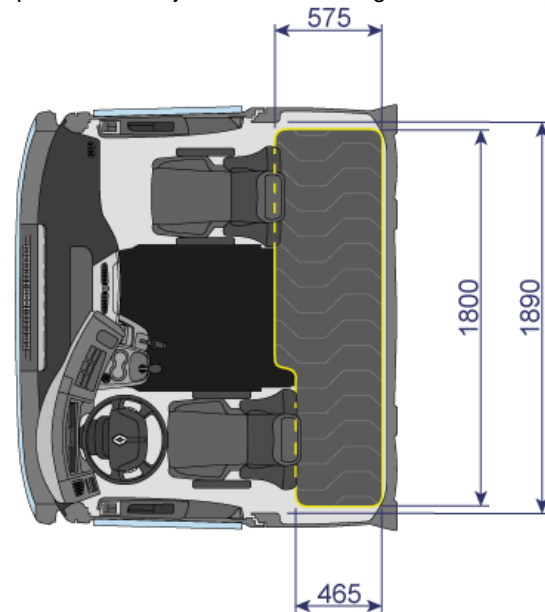
12V socket on dashboard, for accessories.

Starting inhibitor controlled by transponder key.

Folding key.

Remote control central door locking.

Speed limiter adjustable via steering wheel control (ASL)



ELECTRONIC EQUIPMENT:

English and French language display

Additional language (German)

SAE cab socket for vehicle data extraction

FMS Gateway fleet management interface

Assistance button for geolocation via the 24/7 platform

4G TGW telematics unit (telematic gateway) including an antenna and enabling subscription to Optifleet services (Map, Check, Drive)

Lane Departure Warning System (LDWS)

Adaptive cruise control (ACC) linked to advanced emergency braking system (AEBS)

ELECTRICAL EQUIPMENT



Battery capacity: 170 Ah
Batteries with level check
Battery isolation switch
Alternator : 130 amp capacity.
Rear signalling lighting.

CHASSIS

Chassis protective paintwork, mineral grey colour
technical code: 03650
Standard rear overhang, pre-drilled for bodybuilder
Removable front towing cap
Front under-run protection.
Without rear under-run bar .
Closing cross member
Side exhaust.

BUMPER - STEPS AND LIGHTING

3-part plastic bumper
LED position lights
Access to driving position by 2 stepwell steps.
Step lighting.
LED day running lights

SUSPENSION

Front suspension

Front parabolic leaf springs.
Stabiliser bar

Rear suspension:

Parabolic rear suspension.
Telescopic shock absorbers.

1	2	3	4	5	6
6.75	3.60	2.13	1.39	1.00	0.78

The manufacturer reserves the right to modify the specifications above without prior notice.

Non contractual document.

For further assistance please contact Product Applications at Renault Trucks UK Limited, Wedgnock Lane , Warwick , CV34 5YA Telephone +44 (0)1926 475333.

Stabiliser bar

FUEL TANK

Plastic tank
Main fuel tank: 215 litres capacity mounted on right

AdBlue

32-litre AdBlue tank

STANDARD EQUIPMENT

Reversing warning buzzer, including night switch.
Windscreen washer bottle capacity: 12L

BODYWORK

Body mounting brackets front and rear
Bodybuilder access through bulkhead
Bodybuilder BBM electronic box interface bodybuilder expert functions via CAN bus).

SERVICE

Optifleet:

Pre-equipment for monthly Optifleet Check: technical data reports for fuel consumption monitoring by vehicle and by driver, activation of service on request subject to monthly subscription

GEARBOX RATIOS

