

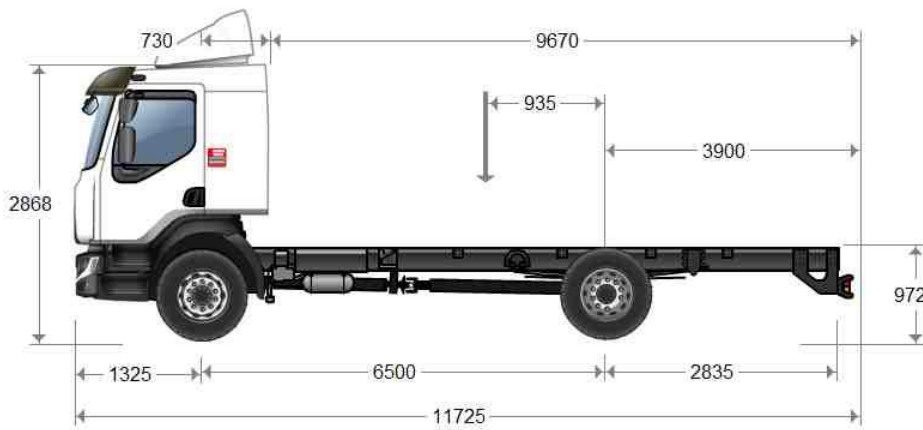
Model code : UKM_40J80868HD00
Creation date: 13/08/2015
Dealership offer: 13/08/2015

Prepared for :

D 18 HIGH 4X2 R 250 E6 - GVW 18T / GCW 18.00 T

RENAULT TRUCKS

D 18



WEIGHTS

Wheelbase		mm	6.500
Payload	(C)	Kg	12142
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	4834.00
Kerb Weight	total	Kg	5858
Chassis cab kerb weight	Front Axle 1	Kg	3869.00
	Rear Axle 1	Kg	1989.00
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	5616.00
	Rear axle(s)	Kg	12384.00

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

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 (75kg).

LENGTHS

Wheelbase		mm	6.500
Front Overhang	(H / BEP L016)	mm	1325



Wheelbase	(F / BEP L011)	mm	6500
Rear overhang	Chassis (BEP L020)	mm	2835
Bodywork rear overhang	Min. (Xmin / BEP L017)	mm	2311
	Max. (Xmax / BEP L017)	mm	3900
Cab entry	(B / BEP L102)	mm	730
Body length	Min. (Wmin / BEP L105)	mm	8081
	Max. (Wmax / BEP L105)	mm	9670
Load Centre of Gravity	Total	mm	0
Centre of Gravity of load	Max. (Ymax / BEP L103)	mm	1730
	Min. (Ymin / BEP L104)	mm	935
Centre of Gravity of vehicle	at X (BEP L044)	mm	2236.00
Overall Chassis Length	(A / BEP L032+L016)	mm	10660

HEIGHTS

Wheelbase		mm	6.500
Ground clearance, laden	Rear (U3 / BEP H016)	mm	251
	Front (U1 / BEP H015)	mm	292
Max. exterior height unladen	(BEP H001)	mm	3478
Max. exterior height, cab tilted, unladen	(O1 / BEP H061)	mm	3580.00
Cab height (unladen)	(O)	mm	2868
Distance from ground to lowest point at front of vehicle	Unladen (H0 / BEP H18)	mm	362.00
	Laden (H0 / BEP H18)	mm	263.00
Frame top height at front axle	Unladen (H1 / BEP H035)	mm	997.00
	Laden (H1 / BEP H036)	mm	910.00
Frame top height at drive axle	Unladen (H2 / BEP H037)	mm	972
	Laden (H2 / BEP H038)	mm	948
Frame top height at the rear of the frame	Unladen (HN)	mm	961.00
	Laden (HN)	mm	965.00
Centre of Gravity of vehicle	Unladen at Z (BEP H044)	mm	817.00
Side member height	(BEP H032)	mm	260.00

TOWING DEVICE

Wheelbase		mm	6.500
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	6.500
Max exterior cab width with rear view mirrors open	(BEP W001)	mm	2473.00
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 W003.1)	mm	2473
Track	Rear 1 (V2 / BEP W013.2)	mm	1833
	Front (V1 / BEP W013.1)	mm	1996

OTHER

Wheelbase		mm	6.500
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Approach angle	(BEP H010)	°	14
Ramp angle	(BEP H012)	°	13.70
Departure angle	(BEP H011)	°	13.40
Side member thickness	(BEP W034)	mm	8.00
Turning Radius	Overall (BEP W012)	mm	11600.00
	kerb to kerb	mm	11000.00
	interior	mm	6189.00

DTI 8 ENGINE

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

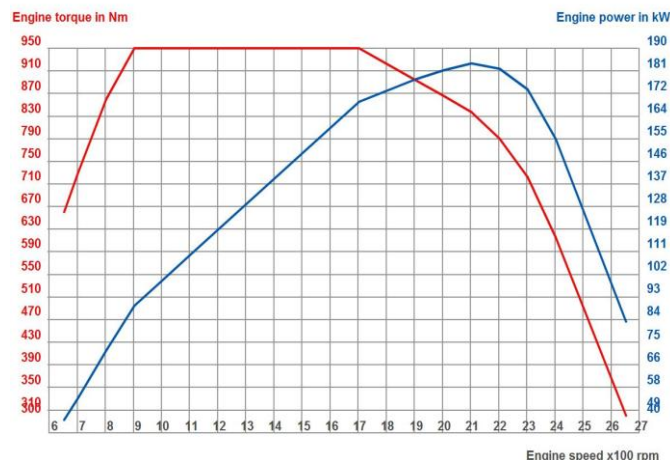
Cooling circuit capacity: 17 litres

Antifreeze protection: -25°C.

EEC EURO VI pollution control level

Compact post-treatment system (7th injector, catalytic converter, DPF, SCR)

Soundproofing level complies with EEC standards (80dB)



ENGINE EQUIPMENT

Partial gas recycling (semi-closed circuit)

Automatic engine cut-off (5 min)

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-OFFS

Without gearbox mounted PTO

STEERING

Right hand drive.

Hydraulic steering box with variable step-down power assistance.

Driving on the left

AXLE

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

REAR DRIVE AXLE

P11150 drive axle with single reduction

Without differential lock.

Load capacity: Rear axle: 11.5 t

Drive axle ratio: 4.50

Engine speed at 90 km/h: 1654 rpm

WHEELS AND TYRES

Dimension 295/80 R22.5

Profile B. R-ST-1/R-DR-1

Without spare wheel.

BRAKING

Service brake:

Braking system with two independent circuits

All-disc brakes

Electronic management of air production by APM (Air Product Management)

Dryer cartridge optimised by preventive maintenance

Single cylinder air compressor 500 l/min, 360 cm³

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:

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

Global cab

Cab paint colour: WHITE EKLA

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.

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

Roof deflector

External sun visor

Tinted and laminated windscreen and windows.

Without rear window.

Cab interior:

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

Luton box van

Three sun blinds on windscreen

Radio CD/MP3 / USB Bluetooth compatible

Dual CAN digital tachograph

Manually operated roof hatch.

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

Red seat belts

Adjustable passenger seat

One-piece lower bunk

Cab lighting time-delay.

Curtains around cab.

Electrically operated door windows

Cab independent night heater air/air (2 kW)

Handbook and Service pack in English.

Steering wheel equipment:

4-spoke leather steering wheel adjustable for height and depth, with control for cruise control

Instrument panel:

Speedometer in miles

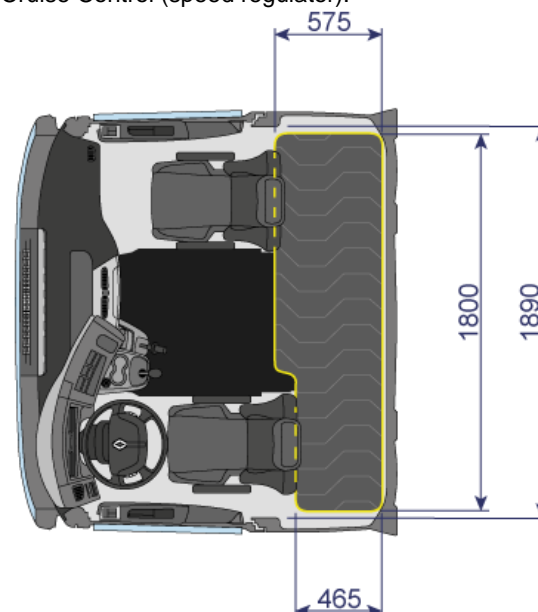
12V socket on dashboard, for accessories.

Starting inhibitor controlled by transponder key.

Folding key.

Remote control central door locking.

Cruise Control (speed regulator).



ELECTRONIC EQUIPMENT:

SAE cab socket for vehicle data extraction (Optifuel Infomax).

Telematics provision including the TGW (Telematics GateWay): base for subscription to Optifleet Map, Check and Drive services

Lane Departure Warning System (LDWS)

Automatic emergency braking system

English and French language display

Additional language (German)

ELECTRICAL EQUIPMENT

Battery capacity: 170 Ah

Battery isolation switch

Alternator : 130 amp capacity.



CHASSIS

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.

Rear suspension:

GEARBOX RATIOS

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, Houghton Hall Business Park, Porz Avenue, Dunstable, LU5 5FT. Telephone +44 (0)1582 471122.

Rear air suspension.

2-channel air suspension control on dash board

Telescopic shock absorbers.

FUEL TANK

Main steel tank.

Main fuel tank: 300 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).

