

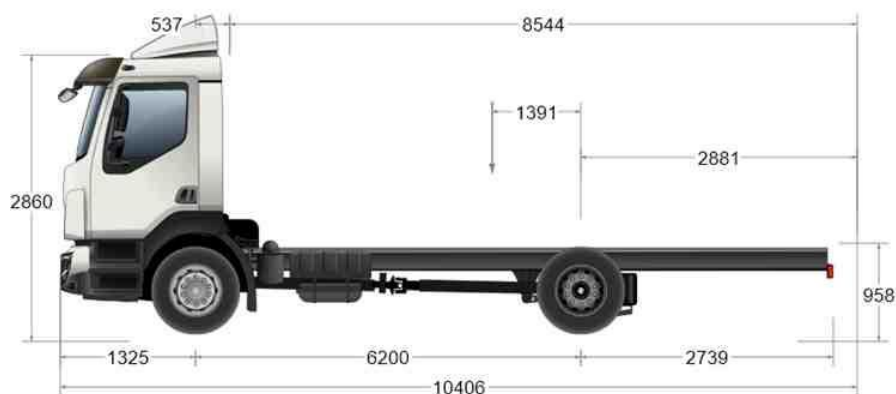
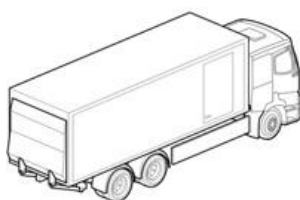
Model code : UKM_40J90868HD01
Print date: 17/02/2025
Last updated: 17/02/2025

Prepared for :

RENAULT TRUCKS D 18 HIGH XLOAD P4X2 280E6 - GVW 18T / GCW 18 T

D 18

Body Type:
VAN + TAILGATE



WEIGHTS

Wheelbase		mm	6.200
Payload	(C)	Kg	12341
Maximum Weight (registered)	Total (GVW)	Kg	18000
	Front axle 1	Kg	7500
	rear axle 1	Kg	11500
Min. weight complete vehicle unladen	Front axle(s)	Kg	7095
Kerb Weight	total	Kg	5659
Chassis cab kerb weight	Front Axle 1	Kg	3731
	Rear Axle 1	Kg	1928
Total vehicle weight under full load at YMAX	Front axle(s)	Kg	7500
	Rear axle(s)	Kg	10500
Total vehicle weight under full load at YMIN	Front axle(s)	Kg	6500
	Rear axle(s)	Kg	11500

This table includes the weights of the RENAULT TRUCKS options: full AdBlue 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	6.200
Front Overhang	(H / BEP L016)	mm	1325
Wheelbase	(F / BEP L011)	mm	6200
Rear overhang	Chassis, overall (BEP L017)	mm	2739
Bodywork rear overhang	Min. (Xmin / BEP L017)	mm	1876
	Max. (Xmax / BEP L017)	mm	2881
Cab entry	(B / BEP L102)	mm	537
Body length	Min. (Wmin / BEP L105)	mm	7539
	Max. (Wmax / BEP L105)	mm	8544
Load Centre of Gravity	Total	mm	0
Centre of Gravity of load	Max. (Ymax / BEP L103)	mm	1894
	Min. (Ymin / BEP L104)	mm	1391
Centre of Gravity of vehicle	at X (BEP L044)	mm	2141
Overall Chassis Length	(A / BEP L001)	mm	10264

HEIGHTS

Wheelbase		mm	6.200
Ground clearance, laden	Rear (U3 / BEP H016)	mm	232
	Front (U1 / BEP H015)	mm	279
Max. exterior height unladen	(BEP H001)	mm	3469
Max. exterior height, cab tilted, unladen	(O1 / BEP H061)	mm	3311
Cab height (unladen)	(O)	mm	2860
Distance from ground to lowest point at front of vehicle	Unladen (H0 / BEP H18)	mm	381
	Laden (H0 / BEP H18)	mm	275
Frame top height at front axle	Unladen (H1 / BEP H035)	mm	989
	Laden (H1 / BEP H036)	mm	897
Frame top height at drive axle	Unladen (H2 / BEP H037)	mm	958
	Laden (H2 / BEP H038)	mm	933
Frame top height at the rear of the frame	Unladen (HN)	mm	944
	Laden (HN)	mm	949
Centre of Gravity of vehicle	Unladen at Z (BEP H044)	mm	790
Side member height	(BEP H032)	mm	260

TOWING DEVICE

Wheelbase		mm	6.200
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	6.200
Max exterior cab width with rear view mirrors open	(BEP W001)	mm	2985
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	2499
Track	Rear 1 (V2 / BEP W013.2)	mm	1837
	Front (V1 / BEP W013.1)	mm	1990

OTHER

Wheelbase		mm	6.200
Approach angle	(BEP H010)	°	14
Ramp angle	(BEP H012)	°	14.0
Departure angle	(BEP H011)	°	15.2
Side member thickness	(BEP W034)	mm	8
Turning Radius	Overall (BEP W012)	mm	11350
	kerb to kerb	mm	10756
	interior	mm	6094

DTI 8 ENGINE

Antifreeze protection: -25°C.

Max. power: 206 kW at 2100 rpm

Max. torque: 1050 Nm from 950 rpm to 1600 rpm

Power output (UK): 276 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

Standard engine oil change interval

Sheet metal oil sump

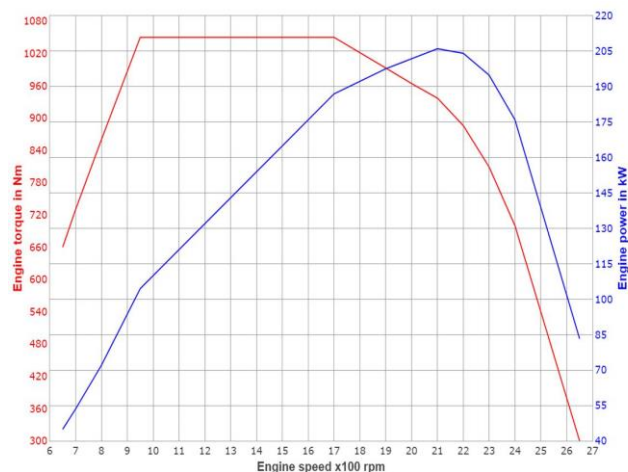
Cooling circuit capacity: 17 litres

EEC EURO VI pollution control level

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

Cooling liquid

Noise standard R51.03



ENGINE EQUIPMENT

Partial gas recycling (semi-closed circuit)

Without engine Power Take Off.

Electronic speed limiter (90 km/h).

Hydraulic steering box with variable step-down power assistance.

Right hand drive.

Driving on the left

CLUTCH

Without Clutch

FRONT AXLE

Load capacity (technical max.) Front axle: 7.5 t.

GEARBOX

Optishift 8AP gearbox

Gearshifting strategy optimised for FUEL ECO

Automatic gearbox cooler

BRAKING

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

RETARDER

Exhaust-mounted retarder (120 kW at 2800 rpm)

POWER TAKE-OFF

Without gearbox mounted PTO

STEERING



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

SAFETY

WHEELS AND TYRES

Dimension 315/70 R22.5
Profile G. KMAX-2 S/D
Steel disc wheels
ISO_11992 compatible tyre pressure monitoring system
Front wheel trims
Without spare wheel.

REAR DRIVE AXLE

P13170 single reduction final drive axle
Integral differential lock
Rear loading capacity (technical max.): 13 t
Drive axle ratio: 4.63
Engine speed at 90 km/h: 1437 rpm

CAB

Cab exterior:

Day cab
All steel Cab, electro-zinc plated and cathophoretic paint treatment.
Cab paint colour: White ekla
technical code: 09350
Adaptation: removal of cruise control
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
Exterior parts finished in black
External sun visor
Tinted, laminated windscreen.
Without rear window.
Passenger side vision door with lower tinted window

Cab interior:

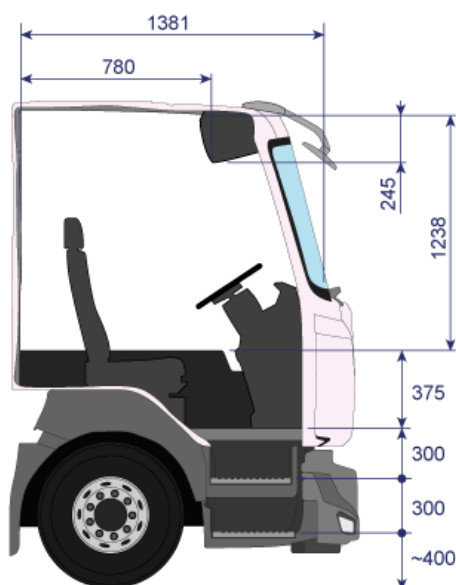
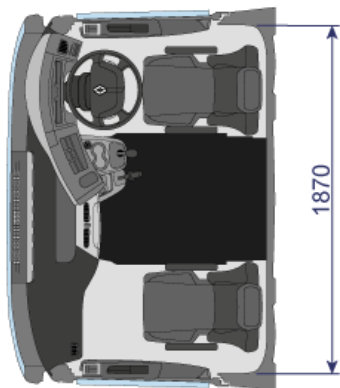
Upper storage cupboard with net cover, 2 storage compartments (50 l) with net covers
Three sun blinds on windscreen
With digital camera.
DTCO 4.1 digital tachograph
No roof air vent
Air-suspended COMFORT driver's seat, with lumbar support, heated seat base and seatback, seat depth adjustment and seat-mounted seat belt
Driver's armrest
Red seat belts
Safety belt warning.
Adjustable passenger seat
Driver's airbag.
Cab lighting time-delay.
2 Coat hooks on rear panel
Electrically operated door windows
Air conditioning
Handbook and Service pack in English.

Steering wheel equipment:

4-spoke steering wheel adjustable for height and depth, includes cruise control controls
Analog and digital DAB/DAB+ radio
Bluetooth 4.0 for audio playback streaming with hands-free function and steering wheel-mounted controls
USB port underneath radio

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.
Remote control central door locking.
Ready to fit alcohol ignition interlock device
Ready to fit alcohol ignition interlock device
3rd ignition key
Speed limiter adjustable via steering wheel control (ASL)
ECO Cruise control with Optiroll
Intelligent speed assistance. Intelligent Speed Assist: speed limit sign recognition, in-cab display and overtaking warning.
Eco Mode (w/o Kick-down)
Eco Mode



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 TGV3 telematics unit (telematic gateway) including an antenna and enabling subscription to Optifleet services (Map, Check, Drive) - Auto activation.
TELENOR SIM card
Driver Alert System (DAS) and Lane Departure Warning System (LDWS)

Side radar for covering both sides of the truck
Forward Collision Warning System with Advanced Emergency Braking System (AEBS) and Adaptive Cruise Control (ACC)

ELECTRICAL EQUIPMENT

Battery capacity: 170 Ah
Batteries with level check
Battery isolation switch
Alternator : 130 amp capacity.
Alternator : 180 amp capacity.
[LED rear signalling and lighting \(EEC standard e2 10113\)](#)

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

Plastic bumper with steel corner pieces
Access to driving position by 2 stepwell steps.
Step lighting.
Lighting adjustment
LED day running lights
[Front fog lights.](#)

SUSPENSION

Front suspension

Front parabolic leaf springs.

Rear suspension:

Rear air suspension.
2-channel air suspension control on dash board
Telescopic shock absorbers.

FUEL TANK

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

AdBlue

32-litre AdBlue tank inside the chassis.

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).

Bodybuilder suspensions control:
Inhibition of suspension height regulation, platform kneeling, height regulation

GEARBOX RATIOS

1	2	3	4	5	6	7	8
4.89	3.12	2.03	1.64	1.25	1.00	0.84	0.64

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.*