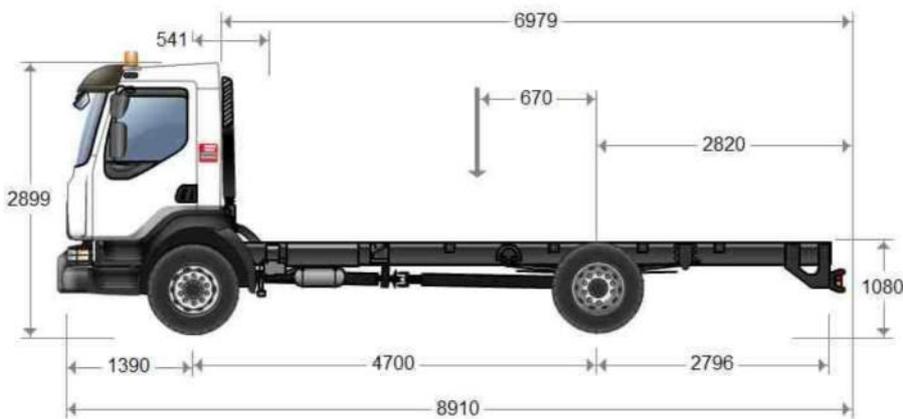


D 16 HIGH P4X2 250E3 - GVW 16T / GCW 16 T HIGH

RENAULT TRUCKS

D 16



WEIGHTS

Wheelbase		mm	4.700
Maximum Weight (registered)	Total (GVW)	Kg	16000
Payload	(C)	Kg	10709
Kerb Weight	total	Kg	5291
Chassis cab kerb weight	Front axles (Liftable axle down)	Kg	3475
	Rear axles (Liftable axle down)	Kg	1816
Maximum Weight (registered)	Front axle 1	Kg	6300
	rear axle 1	Kg	10900
Maximum Weight (technical)	total (CoC: 16.1.)	Kg	16000
	front axles (CoC: 16.3.)	Kg	6300
	rear axles (CoC: 16.3.)	Kg	10900

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	4.700
Body length	Min. (Wmin / BEP L105)	mm	5838
	Max. (Wmax / BEP L105)	mm	6979
Front Overhang	(H / BEP L016)	mm	1390
Cab entry	(B / BEP L102)	mm	541
Wheelbase	(F / BEP L011)	mm	4700
Technical wheelbase	(F' / BEP L015)	mm	4700
Rear overhang	Chassis, overall (BEP L017)	mm	2796
Overall Chassis Length	(A / BEP L001)	mm	8855
Centre of Gravity of load	Min. (Ymin / BEP L104)	mm	670
	Max. (Ymax / BEP L103)	mm	1240
Min Overall Length (Z)	(Zmin / BEP L001)	mm	7769
Max Overall Length (Z)	(Zmax / BEP L001)	mm	8910
Bodywork rear overhang	Min. (Xmin / BEP L017)	mm	1679
	Max. (Xmax / BEP L017)	mm	2820

HEIGHTS

Wheelbase		mm	4.700
Cab height (unladen)	(O)	mm	2899
Max. exterior height unladen	(BEP H001)	mm	3008
Side member height	(BEP H032)	mm	236
Ground clearance, laden	Front (U1 / BEP H015)	mm	370
	Rear (U3 / BEP H016)	mm	252
Frame top height at front axle	Unladen (H1 / BEP H035)	mm	1028
	Laden (H1 / BEP H036)	mm	952
Frame top height at drive axle	Unladen (H2 / BEP H037)	mm	1080
	Laden (H2 / BEP H038)	mm	987
Frame top height at the rear of the frame	Unladen (HN)	mm	1111
	Laden (HN)	mm	1008

WIDTHS

Wheelbase		mm	4.700
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	2432
Track	Front (V1 / BEP W013.1)	mm	2015
	Rear 1 (V2 / BEP W013.2)	mm	1833

OTHER

Wheelbase		mm	4.700
Side member thickness	(BEP W034)	mm	8
Turning Radius	kerb to kerb	mm	8039.5
	Overall (BEP W012)	mm	8750

ENGINE: DXi 8

Antifreeze protection: -25°C.

Power: 184 kW (250 hp) - 950 Nm

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

Direction of rotation (seen from G/B end): anti-clockwise.

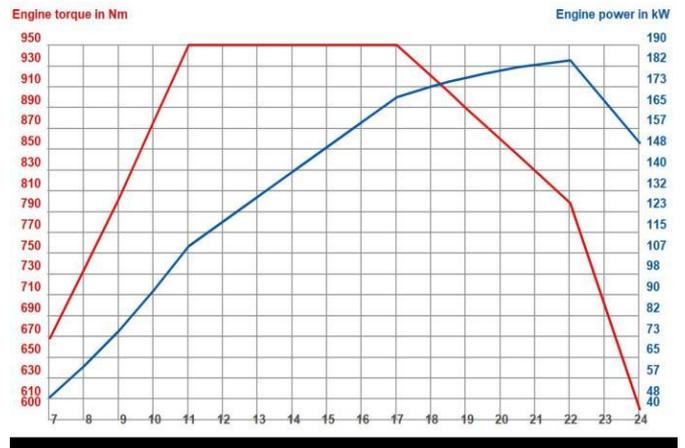
Oil capacity: 27 L including filtration

Sheet metal oil sump

Cooling circuit capacity: 17 litres

EEC EURO III exhaust emissions level

Cooling liquid



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

ZF 6S 1000 TO

6-speed manual gearbox (synchromesh) and 1 reverse gear (6.75 - 0.77).

In-line gear pattern.

SERVOSHIFT gear changing assistance.

Cable-operated gearshift control.

RETARDER

Exhaust-mounted retarder (120 kW at 2800 rpm)

POWER TAKE-OFF

Power take-off S88 C

Output: DIN 5462

Direction of rotation: as engine

Torque: 450 Nm

Ratios: 0.96

Position: 16h

STEERING

Hydraulic steering box with variable step-down power assistance.

Driving on the right

FRONT AXLE

Front axle plating: 6.30 t.

WHEELS AND TYRES

Dimension 11 R22.5

Profile G. RHS2 / RHS2

Steel disc wheels

Without spare wheel.

REAR DRIVE AXLE

P11150 drive axle with single reduction

Integral differential lock

Load capacity: Rear axle: 10.9 t

Drive axle ratio: 5.14

Engine speed at 90 km/h: 1878 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-lock braking system (ABS)

Harmonisation of tractor and trailer braking

Retarder and service brake linking

Differential engagement management (if equipped) at speeds <10 km/h (4x2)

Hill Start Aid

Braking performance warning

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:

Day cab

All steel Cab, electro-zinc plated and cathophoretic 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 manually adjustable external 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

Roof-level air intake.

Air filter clogging indicator

Spray suppression on front wings

External sun visor

Tinted, laminated windscreen.

Tinted rear cab window

Cab interior:

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

Three sun blinds on windscreen

Without tachograph

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

Red seat belts

Safety belt warning.

Front passenger bench (2 seater) with 3-point seat belts and integral headrests.

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

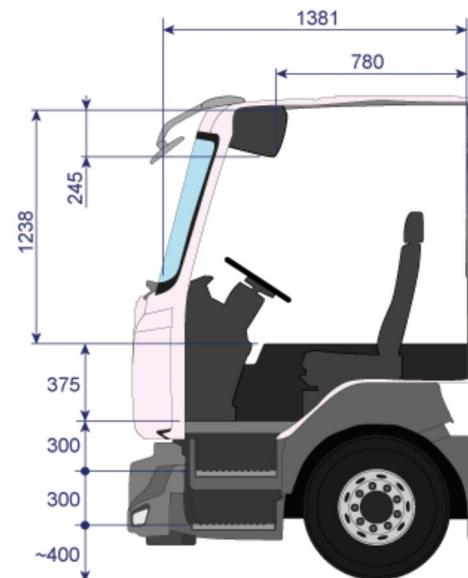
Analog radio with audio playback and streaming via Bluetooth 4.0

with hands-free function and steering wheel-mounted controls

Instrument panel:

Central tablet support with 2 USB-C ports

Cruise Control with steering wheel-mounted controls



ELECTRONIC EQUIPMENT:

English and French language display

Additional language (Spanish)

SAE cab socket for vehicle data extraction

4G TGW3 telematics unit (telematic gateway) including an antenna and enabling subscription to Optifleet services (Map, Check, Drive)

ELECTRICAL EQUIPMENT

Battery capacity: 170 Ah
 Batteries with level check
 Battery isolation switch
 Alternator : 110 amp capacity.
 Rear signalling lighting.

CHASSIS

Chassis protective paintwork, mineral grey colour
 technical code: 03650
 Standard rear overhang, pre-drilled for bodybuilder
 Reinforced removable front towing cap
 Without rear under-run bar .
 Closing cross member
 Engine air filter with easily removable cartridges.
 Side exhaust.

BUMPER - STEPS AND LIGHTING

Steel bumpers
Headlamp protection grille.
 Access to driving position by 2 stepwell steps.
 Step lighting.
 Lighting to EEC standards.
2 LED technology orange lights (rotating type)

SUSPENSION

Front suspension

Reinforced front parabolic leaf springs.
 Stabiliser bar

Rear suspension:

Reinforced rear asymmetrical leaf springs.
 Telescopic shock absorbers.
 Stabiliser bar

FUEL TANK

Plastic tank
 Main fuel tank: 130 litres capacity mounted on right

AdBlue

without AdBlue tank

STANDARD EQUIPMENT

Warning triangle.
Reversing warning buzzer, including night switch.
 Windscreen washer bottle capacity: 8.8L

BODYWORK

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

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, Wedgnoek Lane , Warwick , CV34 5YA Telephone+44 (0)1926 475333.