

Model code : UKM_20DJ086STD01
Print date: 16/01/2025
Last updated: 16/01/2025

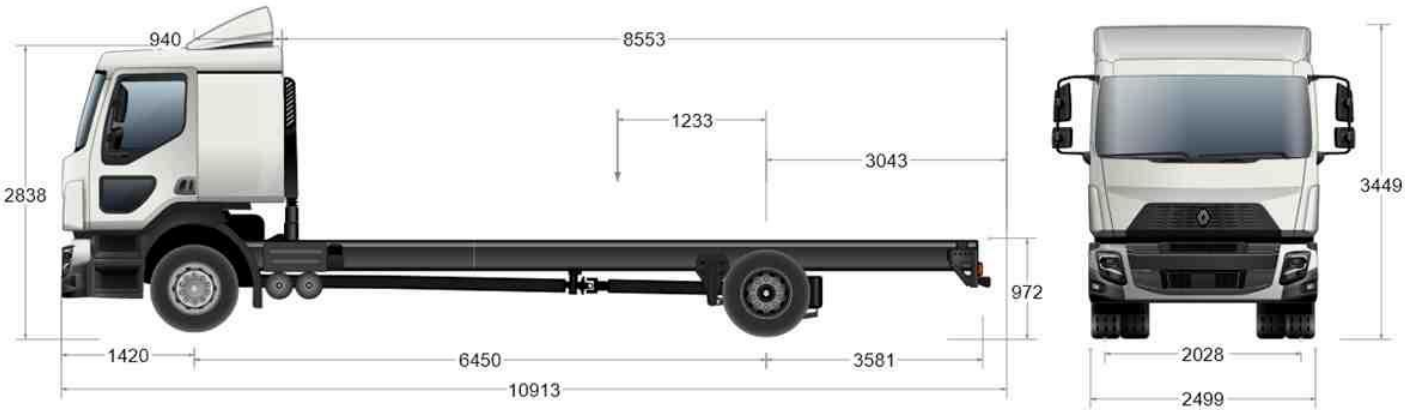
Prepared for :

RENAULT TRUCKS D 18 WIDE 4X2 R 280 E6 - GVW 18T / GCW 21.5 T (D)

D 18

WIDE

Body Type:
VAN + TAILGATE



WEIGHTS

Wheelbase		mm	6.450
Payload	(C)	Kg	11469
Maximum Weight (registered)	Total (GVW)	Kg	18000
	Front axle 1	Kg	7500.00
	rear axle 1	Kg	11500
Min. weight complete vehicle unladen	Front axle(s)	Kg	5522.00
Kerb Weight	total	Kg	6531
Chassis cab kerb weight	Front Axle 1	Kg	4307.00
	Rear Axle 1	Kg	2224.00
Total vehicle weight under full load at YMAX	Front axle(s)	Kg	7500.00
	Rear axle(s)	Kg	10500.00
Total vehicle weight under full load at YMIN	Front axle(s)	Kg	6500.00
	Rear axle(s)	Kg	11500.00

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: 3500 kg

LENGTHS

Wheelbase		mm	6.450
Front Overhang	(H / BEP L016)	mm	1420
Wheelbase	(F / BEP L011)	mm	6450
Rear overhang	Chassis, overall (BEP L017)	mm	3581
Bodywork rear overhang	Min. (Xmin / BEP L017)	mm	1919
	Max. (Xmax / BEP L017)	mm	3043
Cab entry	(B / BEP L102)	mm	940
Body length	Min. (Wmin / BEP L105)	mm	7429
	Max. (Wmax / BEP L105)	mm	8553
Load Centre of Gravity	Total	mm	0
Centre of Gravity of load	Max. (Ymax / BEP L103)	mm	1796
	Min. (Ymin / BEP L104)	mm	1233
Centre of Gravity of vehicle	at X (BEP L044)	mm	2222.00
Overall Chassis Length	(A / BEP L001)	mm	11451

HEIGHTS

Wheelbase		mm	6.450
Ground clearance, laden	Rear (U3 / BEP H016)	mm	209
	Front (U1 / BEP H015)	mm	200
Max. exterior height unladen	(BEP H001)	mm	3449
Max. exterior height, cab tilted, unladen	(O1 / BEP H061)	mm	3707.00
Cab height (unladen)	(O)	mm	2838
Distance from ground to lowest point at front of vehicle	Unladen (H0 / BEP H18)	mm	375.00
	Laden (H0 / BEP H18)	mm	293.00
Frame top height at front axle	Unladen (H1 / BEP H035)	mm	981.00
	Laden (H1 / BEP H036)	mm	909.00
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	968.00
	Laden (HN)	mm	969.00
Centre of Gravity of vehicle	Unladen at Z (BEP H044)	mm	794.00
Side member height	(BEP H032)	mm	300.00

TOWING DEVICE

Wheelbase		mm	6.450
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	6.450
Max exterior cab width with rear view mirrors open	(BEP W001)	mm	2998.00
Max. cab width	(BEP W002)	mm	2500
Frame width	Front (BEP W035)	mm	1082
	Rear (BEP W036)	mm	852
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	2028

OTHER



Wheelbase		mm	6.450
Approach angle	(BEP H010)	°	14
Ramp angle	(BEP H012)	°	12.50
Departure angle	(BEP H011)	°	6.30
Side member thickness	(BEP W034)	mm	8.00
Turning Radius	Overall (BEP W012)	mm	11950.00
	kerb to kerb	mm	11256.00
	interior	mm	6572.00

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

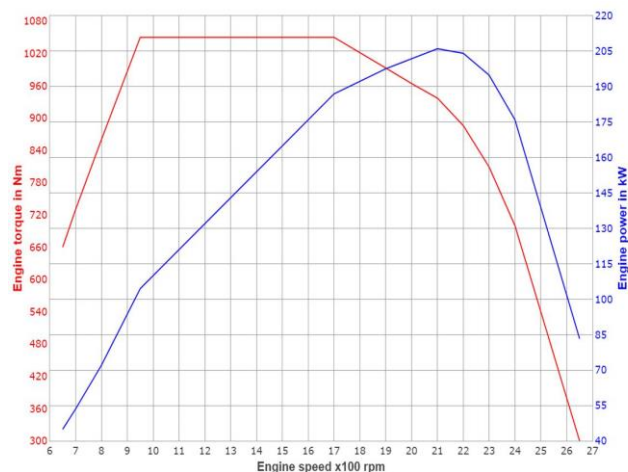
Cooling circuit capacity: 17 litres

EEC EURO VI pollution control level

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

Cooling liquid

Noise standard R51.03



ENGINE EQUIPMENT

With Kick-Down. Passing a hard point at the end of the accelerator pedal stroke causes the gears to shift down automatically

Partial gas recycling (semi-closed circuit)

Without engine Power Take Off.

Electronic speed limiter (90 km/h).

CLUTCH

Single-plate clutch, diameter 430 mm

GEARBOX

Optidriver AT 2412 gearbox (14.94 - 1) with automatic clutch. Aluminium housing.

Max. torque 2400 Nm, 12 forward gears and 3 reverse gears.

Steering wheel-mounted operating mode selection

(automatic/manual) via gear shift selector,

Gearshifting strategy optimised for FUEL ECO

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: 7.5 t.

BRAKING

Service brake:

Braking system with two independent circuits

All-disc brakes

Twin-cylinder air compressor 1080 l/min, 720 cm³

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

Dryer cartridge optimised by preventive maintenance

Twin-cylinder air compressor 1080 l/min, 720 cm³

Air tank mounting rubber fittings

Without rear trailer coupling.

EBS:

Anti-lock braking system (ABS).
Anti-slip regulation (ASR).
Drag torque control (Torque control during downshifting).
(Disc) brake pad wear compensation
Retarder and service brake linking
Differential engagement management (if equipped) at speeds <10 km/h (4x2)
Hill Start Assist
Braking performance warning
ESC (Electronic Stability Control) trajectory control and anti-rollover system
Coupling traction test
Emergency brake assist (EBA)

Parking brake:

Air operated spring brake actuators on rear wheels
Hand brake valve.

SAFETY

WHEELS AND TYRES

Dimension 315/70 R22.5
Goodyear FUELMAX ENDURANCE S / D
Steel disc wheels
ISO 11992 compatible tyre pressure monitoring system
Front wheel trims
Without spare wheel.

REAR DRIVE AXLE

P13170-E single reduction final drive axle
Without differential lock.
Rear loading capacity (technical max.): 13 t
Drive axle ratio: 3.08
Engine speed at 90 km/h: 1494 rpm

CAB

Cab exterior:

Night & Day cab
All steel Cab, electro-zinc plated and cataphoretic paint treatment.
Cab paint colour: White ekla
technical code: 09350
Red badge
Anti-spray deflectors
Four point mechanical cab suspension.
Hydraulic cab tilt.
2 heated, remote control rear view mirrors.
Rear view mirrors for bodywork up to 2.55 m wide
Fold-back front view mirror
Air horn
Roof-level air intake.
Air filter clogging indicator
Spray suppression on front wings
Adjustable roof deflector

Exterior parts finished in black
No external sun visor
Tinted, laminated windscreen.
Without rear window.
Passenger side vision door with lower tinted window

Cab interior:

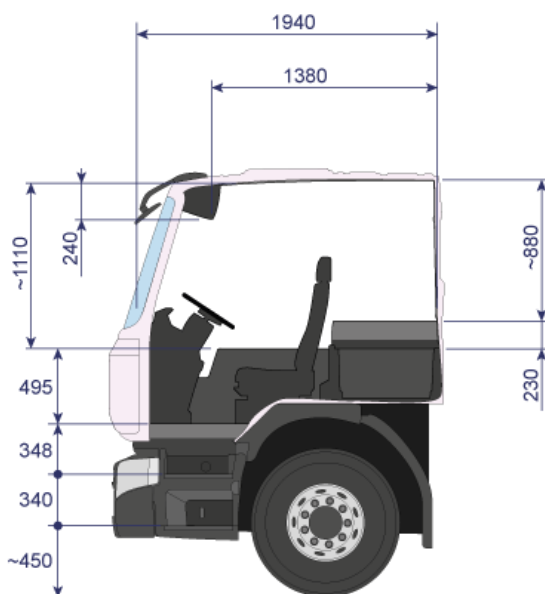
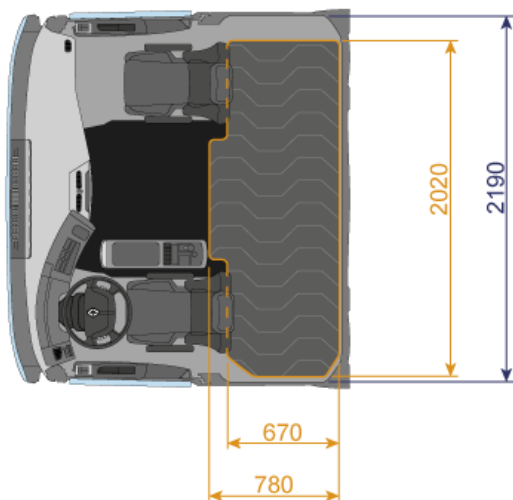
Upper storage shelf, 2 storage boxes (50 l) closed by doors
Driver lateral sun-visor
Three sun blinds on windscreen
Predisposition for 24 volts socket
With digital camera.
CB pre-equipment.
DTCO 4.1 digital tachograph
Manual roof vent
Air-suspended driver's seat with fitted seat belt.
Driver's armrest
Red seat belts
Safety belt warning.
Adjustable passenger seat
Lower bunk
Blower socket on central console
Raised engine tunnel.
Cab lighting time-delay.
Curtains around cab.
side sliding sun blind on driver's side
2 Coat hooks on rear panel
Electrically operated door windows
2kW stand-alone cab heater (air/air). Air distribution via three vents (behind the left seat, behind the right seat and above the bunk)
Air conditioning
Handbook and Service pack in English.

Steering wheel equipment:

4-spoke steering wheel
OPTIDRIVER control
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)
Intelligent speed assistance. Intelligent Speed Assist: speed limit sign recognition, in-cab display and overtaking warning.
With Kick-Down. Passing a hard point at the end of the accelerator pedal stroke causes the gears to shift down automatically
Power mode



ELECTRONIC EQUIPMENT:

English and French language display
Additional language (German)
SAE cab socket for vehicle data extraction
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: 185 Ah

Batteries with level check

Battery isolation switch

Alternator : 110 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.

Rear under-run bar

Closing cross member with pre-drilling for towing yoke

Side exhaust.

BUMPER - STEPS AND LIGHTING

3-part plastic bumper with metal corners

Non-slip windscreen access steps

Access to driving position by 2 stepwell steps.

Step lighting.

Headlamp levelling control.

LED day running lights

SUSPENSION

Front suspension

Front parabolic leaf springs.

Front anti-roll bar.

Rear suspension:

Rear air suspension.

2-channel air suspension control on dash board

FUEL TANK

Main steel tank.

Main fuel tank: 255 litres capacity D560 profile 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
Orange LED side marker lights with reflector
Bodybuilder BBM electronic box interface bodybuilder expert functions via CAN bus).

Bodybuilder suspensions control:
Inhibition of suspension height regulation, platform kneeling, height regulation
[Electrical pre-arrangement for tail lift](#)

GEARBOX RATIOS

1	2	3	4	5	6	7	8	9	10	11	12
14.94	11.73	9.04	7.09	5.54	4.35	3.44	2.70	2.08	1.63	1.27	1.00

*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.*