

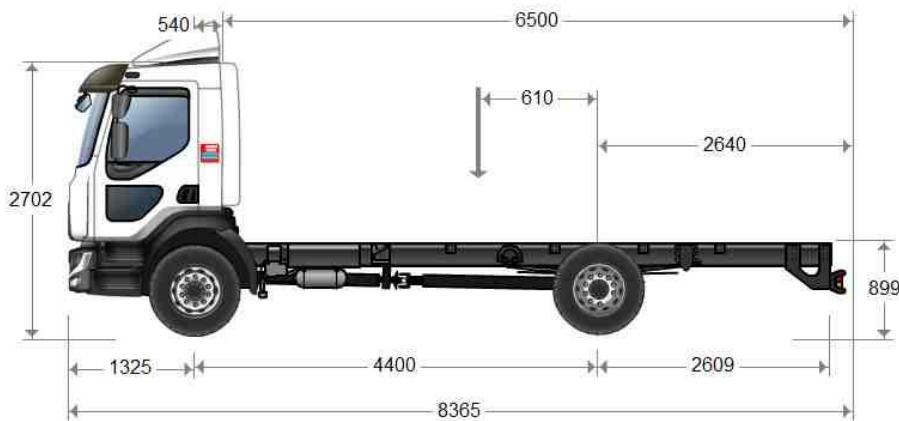
Model code : UKM_40J60ZE6MD01
 Print date: 15/06/2021
 Last updated: 15/06/2021

Prepared for :

D Z.E. MED P4x2 16T - GVW 16T / GTW 16 T MEDIUM

RENAULT TRUCKS

D 16



WEIGHTS

| Wheelbase | | mm | 4.400 |
|--|---------------|----|----------|
| Payload | (C) | Kg | 8693 |
| Maximum Weight (registered) | Total (GVW) | Kg | 16000 |
| | Front axle 1 | Kg | 5800.00 |
| | rear axle 1 | Kg | 10900 |
| Min. weight complete vehicle unladen | Front axle(s) | Kg | 4490.00 |
| Kerb Weight | total | Kg | 7307 |
| Chassis cab kerb weight | Front Axle 1 | Kg | 4658.00 |
| | Rear Axle 1 | Kg | 2649.00 |
| Total vehicle weight under full load at YMAX | Front axle(s) | Kg | 5863.00 |
| | Rear axle(s) | Kg | 10137.00 |
| Total vehicle weight under full load at YMIN | Front axle(s) | Kg | 5863.00 |
| | Rear axle(s) | Kg | 10137.00 |

This table takes into account the RENAULT TRUCKS options, screen washer fluid and presence of driver (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

Maximum clearable gradient laden: 16%

LENGTHS

| Wheelbase | | mm | 4.400 |
|----------------|----------------|----|-------|
| Front Overhang | (H / BEP L016) | mm | 1325 |



| | | | |
|------------------------------|------------------------|----|---------|
| Wheelbase | (F / BEP L011) | mm | 4400 |
| Rear overhang | Chassis | mm | 2609 |
| Bodywork rear overhang | Min. (Xmin / BEP L017) | mm | 2640 |
| | Max. (Xmax / BEP L017) | mm | 2640 |
| Cab entry | (B / BEP L102) | mm | 540 |
| Body length | Min. (Wmin / BEP L105) | mm | 6500 |
| | Max. (Wmax / BEP L105) | mm | 6500 |
| Load Centre of Gravity | Total | mm | 0 |
| Centre of Gravity of load | Max. (Ymax / BEP L103) | mm | 610 |
| | Min. (Ymin / BEP L104) | mm | 610 |
| Centre of Gravity of vehicle | at X (BEP L044) | mm | 1612.00 |
| Overall Chassis Length | (A / BEP L001) | mm | 8334 |

HEIGHTS

| Wheelbase | | mm | 4.400 |
|--|-------------------------|----|---------|
| Ground clearance, laden | Rear (U3 / BEP H016) | mm | 177 |
| | Front (U1 / BEP H015) | mm | 228 |
| Max. exterior height unladen | (BEP H001) | mm | 3311 |
| Max. exterior height, cab tilted, unladen | (O1 / BEP H061) | mm | 3153.00 |
| Cab height (unladen) | (O) | mm | 2702 |
| Distance from ground to lowest point at front of vehicle | Unladen (H0 / BEP H18) | mm | 314.00 |
| | Laden (H0 / BEP H18) | mm | 312.00 |
| Frame top height at front axle | Unladen (H1 / BEP H035) | mm | 831.00 |
| | Laden (H1 / BEP H036) | mm | 824.00 |
| Frame top height at drive axle | Unladen (H2 / BEP H037) | mm | 899 |
| | Laden (H2 / BEP H038) | mm | 877 |
| Frame top height at the rear of the frame | Unladen (HN) | mm | 937.00 |
| | Laden (HN) | mm | 907.00 |
| Centre of Gravity of vehicle | Unladen at Z (BEP H044) | mm | 638.00 |
| Side member height | (BEP H032) | mm | 236.00 |

TOWING DEVICE

| Wheelbase | | mm | 4.400 |
|---|-------------------|----|-------|
| 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 | 4.400 |
|--|-------------------------------|----|---------|
| Max exterior cab width with rear view mirrors open | (BEP W001) | mm | 2998.00 |
| Max. cab width | (BEP W002) | mm | 2276 |
| Frame width | Front (BEP W035) | mm | 866 |
| | Rear (BEP W036) | mm | 866 |
| Width at rear wheels | Rear axle 1 (V3 / BEP W003.2) | mm | 2443 |
| Track | Rear 1 (V2 / BEP W013.2) | mm | 1850 |
| | Front (V1 / BEP W013.1) | mm | 1942 |

OTHER

| Wheelbase | | mm | 4.400 |
|-----------------|------------|----|-------|
| Approach angle | (BEP H010) | ° | 16 |
| Ramp angle | (BEP H012) | ° | 12.70 |
| Departure angle | (BEP H011) | ° | 9.20 |



| | | | |
|-----------------------|--------------------|----|---------|
| Side member thickness | (BEP W034) | mm | 8.00 |
| Turning Radius | Overall (BEP W012) | mm | 8200.00 |
| | kerb to kerb | mm | 7541.50 |
| | interior | mm | 3533.00 |

Z.E. MOTOR

Power: 130 kW continuous, 185 kW peak

Torque: 425 N.m

One Alternating Current synchronous motor

High power density, permanent-magnet technology

Antifreeze protection: -40°C.

ENERGY SOURCE

Z.E. traction batteries, 265 kWh, 600 V

Four battery packs of 66 kW each, located in the wheelbase
NMC cells (Nickel Manganese Cobalt)

Water-cooled

ELECTRICAL POWER SUPPLY

Charge port compatible with type 2 and CCS Combo 2.

Allows mode 2, 3 or 4 charging (from 22 kW to 150 kW).

Truck compatible with direct current chargers delivering higher power, but limitation is set to 150 kW.

Intelligent charging cable mode 2 (20 kW) 380 V - 32 A,

Length 7.5 m

ENGINE EQUIPMENT

Without engine Power Take Off.

Electronic speed limiter (90 km/h).

GEARBOX

Reduction gearbox, 2 forward speeds and 1 reverse

RETARDER

Electric motor can be used as retarder for energy recovery

POWER TAKE-OFF

w/out power take off

STEERING

Electric steering box

Right hand drive.

Driving on the left

FRONT AXLE

Front axle plating: 5.80 t.

WHEELS AND TYRES

Dimension 285/70 R19.5

Profile G. KMAX S/D

Alcoa Dura-Bright aluminium wheels.

Without spare wheel.

REAR DRIVE AXLE

P11150 drive axle with single reduction

Without differential lock.

Load capacity: Rear axle: 10.9 t

Drive axle ratio: 4.50

Engine speed at 90 km/h: 0 rpm

Service brake:

Braking system with two independent circuits

All-disc brakes

Water-cooled scroll electric air compressor, lubrication free

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).

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

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 cataphoretic paint treatment.

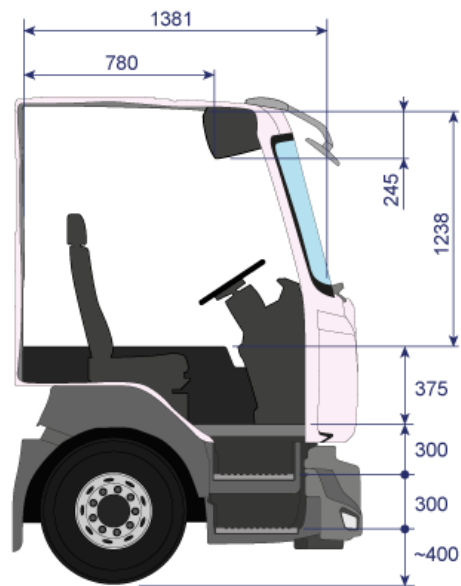


Cab paint colour: White ekla
technical code: 09350
Red badge
Anti-spray deflectors
Cab suspension with rubber pads on the front and mechanical on the rear
Hydraulic cab tilt.
2 heated, remote control rear view mirrors.
2 wide angle rearview mirrors.
Kerb view mirror.
Rear view mirrors for bodywork from 2500 to 2600 mm wide
Fold-back front view mirror
Spray suppression on front wings
Adjustable roof deflector
Side deflectors
External sun visor
Heated and tinted laminated windscreen
Without rear window.
Passenger side vision door with lower tinted window



Cab interior:

Upper storage cupboard, 2 storage boxes (50 l) with lids
Three sun blinds on windscreen
DTCO 4.0 digital chronotachograph
Manual roof 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
Multi-compartment storage on engine tunnel with 24 V socket
Blower socket on central console
"Air blower installation inside the cab" adaptation
Cab lighting time-delay.
side sliding sun blind on driver's side
2 Coat hooks on rear panel
Electrically operated door windows
Air conditioning
Handbook and Service pack in English.
Second holder for smartphone
2 kg fire extinguisher in cab, accessible from inside and outside the cab



Steering wheel equipment:

Adjustable, 4-spoke leather 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 + 24V socket on dashboard, for accessories (24 volt wiring available in the header rail).
Starting inhibitor controlled by transponder key.
Folding key.
Remote control central door locking.
3rd ignition key
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
Maintenance-free batteries
Battery isolation remote control
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
Removable cab-coloured side fairings with integral manwalk access step.

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
Front fog lights.

SUSPENSION

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.

Front suspension

Front air suspension.

Rear suspension:

Rear air suspension
Suspension remote control (2 channels).
Telescopic shock absorbers.

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
Electrical pre-arrangement for tail lift

SERVICE

Optifleet:

Optifleet Check: technical data reports for fuel consumption monitoring by vehicle and by driver, 5-year prepaid subscription

Optifleet Map+: vehicle geolocation, geofencing and route analysis, 5-year prepaid subscription