

SPECIFICATION 2021 OPTITIPPER DEMO

Prepared for :

RTUK Demo fleet 2021
ZE OptiTipper 3500kgs

14 December 2020



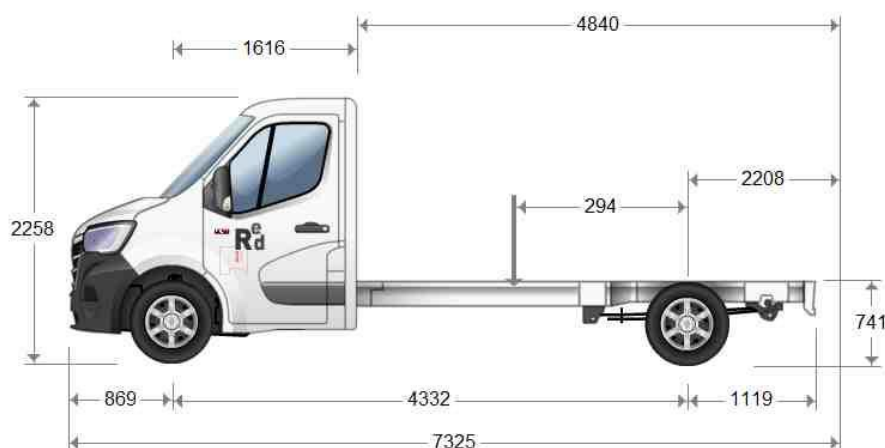
**THANK YOU FOR YOUR INTEREST IN
THE RENAULT MASTER Z.E. - CCAB FWD 3T5 - L3H1**



GB - RTG,39.1
 Model code : 59TBZES3C13C
 Print date: 14/12/2020
 Last updated: 14/12/2020
 Grid Number: 5951818 from 14/12/2020

Prepared for :

Volvo Group

MASTER Z.E. - CCAB FWD 3T5 - L3H1 - GVW 3.5 T /**WEIGHTS**

Wheelbase		mm	4.332
Kerb Weight	total	Kg	1945
Chassis cab kerb weight	Front axles (Liftable axle down)	Kg	1404
	Rear axles (Liftable axle down)	Kg	510
Payload	(C)	Kg	1555
Maximum Weight (registered)	Front axle(s)	Kg	1850
	Rear axle(s)	Kg	2100
	Total (GVW)	Kg	3500

*This table takes into account the RENAULT TRUCKS options, screen washer fluid and presence of driver (75 kg)
 Maximum clearable gradient laden: 16%*

LENGTHS

Wheelbase		mm	4.332
Body length	(F / BEP L011)	mm	4332
	Max. (Wmax / BEP L105)	mm	4840
	Min. (Wmin / BEP L105)	mm	3834
Bodywork rear overhang	Max. (Xmax / BEP L017)	mm	2208
	Min. (Xmin / BEP L017)	mm	1119
Max Overall Length (Z)	(Zmax / BEP L001)	mm	7325
Min Overall Length (Z)	(Zmin / BEP L001)	mm	6320
Overall Chassis Length	(A / BEP L001)	mm	6320
Front Overhang	(H / BEP L016)	mm	869
Cab entry	(B / BEP L102)	mm	1616
Rear overhang	Chassis	mm	1119

HEIGHTS

Wheelbase		mm	4.332
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Cab height (unladen)	(O)	mm	2258
Ground clearance, laden	Front (U1 / BEP H015)	mm	166
	Rear (U3 / BEP H016)	mm	166

WIDTHS

Wheelbase		mm	4.332
Track	Front (V1 / BEP W013.1)	mm	1750
	Rear 1 (V2 / BEP W013.2)	mm	1730
Max. cab width	(BEP W002)	mm	2070

OTHER

Wheelbase		mm	4.332
Turning Radius	Overall (BEP W012)	mm	8100



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Z.E. MOTOR

Power: 76 hp/57 kW

Torque: 225 Nm

Alternating current synchronous motor

Magnet-free wound rotor technology

Cooling by blown air

ENERGY SOURCE

Z.E. lithium-ion, 33 kWh, 400 V traction battery

NMC (Nickel Manganese Cobalt) cells

Located underneath the cab

Not cooled

NEDC (New European Driving Cycle) range: 200 km

ELECTRICAL POWER SUPPLY

Charging socket under hatch, right-hand side

Recharging cable type 2, 32 A, in bag, compatible with Wall-Box and public terminals

full charging capacity with a 7.4 kW Wall-Box in 6 h or 11 h with a 3.7 kW Wall-box

Length 6 m

10 A intelligent cable for charging from domestic socket

17 h charging capacity from 2.3 kW domestic socket

Length 6.5 m

ENGINE EQUIPMENT

ECO mode: engine mapping and torque control and optimisation of temperature comfort settings

Without engine Power Take Off.

GEARBOX

Reduction gearbox with 1 forward gear and 1 reverse gear (ratio 9.3)

POWER TAKE-OFF

Without gearbox mounted PTO

STEERING

Electric steering box

Right hand drive.

Retractable rack and pinion steering with collapsible steering in case of impact

Power steering with high-pressure electric pump

FRONT AXLE

Independent wheels.

Lower wishbone.

MacPherson suspension system.

Maximum load on front axle 1850 kg.

Transmission to front wheels by 2 shafts each with 2 constant velocity joints.

REAR AXLE ASSEMBLY

Rigid tubular axle guided by leaf springs.

Max. technical capacity: 2100 kg

WHEELS AND TYRES

Fit standard tyres.

Wheels 16"

225/65 R16C tyres

(Tyre make depending on availability).

Single wheel fitment.

Specific wheel embellishers.

Spare wheel with jack

Spare wheel carrier under body with winch

Service brake:

Disc brakes: 302x28 ventilated at the front, 305x12 at the rear.

Anti-lock Braking System (ABS) with Emergency Brake Assist (EBA)

Trajectory control regulated according to the trailer and vehicle load (ESP) including:

anti-slip regulation (ASR)

Hill Start Assist (HSA)

Side Wind Assist (SWA)

improved grip over challenging terrain (Extended Grip)

CAB

Cab exterior:

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

Cab paint colour: Mineral White

technical code: 01395

Body colour roof (if standard paint).

Bonnet lift to give access to oil dipstick, windscreen washer bottles, cooling and brake fluid reservoirs plus the offset battery terminals.

Anthracite grained front protective moulding.

2 heated, remote control rear view mirrors with integral indicator lights.

Large mirror arm: rearview mirror.

Front access by anti-slip step

Windscreen access steps integrated into front bumper

Front anti-spray mud flaps



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Cab interior:

Chrome interior and exterior finishing
Height H1.
Without tachograph
Driver's seat with lumbar adjustment.
Passenger double seat
Folding central seat backrest with fold-up shelf
Under-seat storage compartment
Lifting driver's armrest
Carbon seat trim fabric
Fabric seat upholstery charcoal with white over stitching
Driver's airbag.
Grab handle for front passengers.
Refrigerated glove box
Glove box (7 litres)
Opening of the doors controls the courtesy light and sets off audible alert if light left on.
Driver's window with impulse control.
Screen wash fluid European area
Adjustable 4-speed, 6 positions, heater/ defroster for windscreen and front side window demisting.
Air conditioning unit
Driving compartment filter, anti-pollen
Manual in English
Panelled, glazed bulkhead between cab and load area
Insulating partition trim
3-position front windscreen wiper/windscreen washer.

Instrument panel:

On-board computer integrating:
Speedometer with monochrome screen configurable for: fuel range, consumption, econometer, gear selected, trip meter and odometer, temperatures
Fully equipped instrument panel including:
Retractable tablet holder (A5 size), accessible from the driving position
0.6 l centre storage compartment and large cup holder
On-board computer: oil level, odometer and trip meter, quantity of fuel used, average consumption in l/100 km, instantaneous fuel consumption in l/100 km, range for remaining fuel, average speed (in km/h) since last update
Remote control central door locking.
3rd ignition key
2-button folding key with hands-free opening
Cruise control with speed limiter with steering wheel controls
Rational driving aid.

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.

ELECTRONIC EQUIPMENT:

SAE cab socket for vehicle data extraction

ELECTRICAL EQUIPMENT

Automatic windscreen wiping with rain sensor and automatic illumination of lights
LED front halogen daytime running lights
Front fog lights.
Two wide-angle reversing lights and one rear fog light.

CHASSIS

Short rear overhang.

SUSPENSION**Front suspension**

Helical suspension springs. Hydraulic, telescopic shock absorbers.

Rear suspension:

Single-leaf steel suspension
Straight shackles
Additional spring with polyurethane bump stop

STANDARD EQUIPMENT

Tool kit under driver's seat.
Towing yoke
Jack

BODYWORK

Bodybuilder adaptation box (BOIADP), for retrieving commands and information on the multiplex network.
Predisposition for connection to bodybuilder box. Provides the following information: Air con operation, brake position, engine speed, clutch position, right and left indicators, hazard warning lights, ignition key position, door status, centralised control. The bodybuilder box Pro available for retrofitting (Box+cable (radio operator connection) +instructions)



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