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D 18 4X2 R TANKER 250 E6

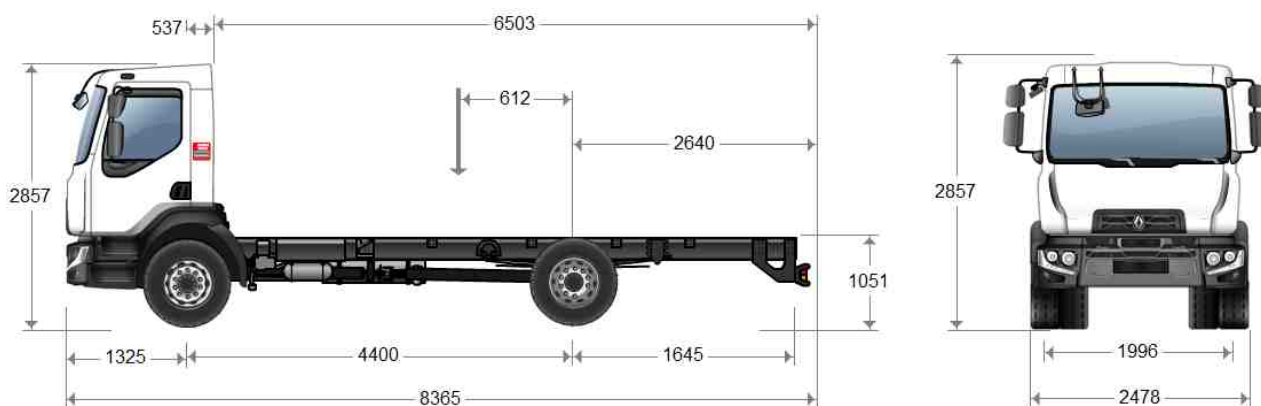
RIGID

Model code : CST_40J80868HC00

GVW 17.99 T / GTW 17.99 T

DAY CAB

REAR PARABOLIC SUSPENSION



WEIGHTS

Wheelbase		mm	3.800	4.100	4.400
Maximum Weight (registered)	Total (GVW)	Kg	17990		
Payload	(C)	Kg	12676	12641	12635
Kerb Weight	total	Kg	5314	5349	5355
Chassis cab kerb weight	Front axles (Liftable axle down)	Kg	3360	3380	3505
	Rear axles (Liftable axle down)	Kg	1954	1969	1850
Maximum Weight (registered)	Front axle 1	Kg	7100		
	rear axle 1	Kg	11500		
Maximum Weight (technical)	total (CoC: 16.1.)	Kg	18300		
	front axles (CoC: 16.2.)	Kg	7100		
	rear axles (CoC: 16.2.)	Kg	11500		

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
The weight of the vehicle is an average indicative weight of its STANDARD build, filled with urea, oil, windscreen wash liquid and coolant at 100%, fuel level at 90% and with driver (75kg).

LENGTHS

Wheelbase		mm	3.800	4.100	4.400
Body length	Min. (Wmin / BEP L105)	mm	4284	4713	5222
	Max. (Wmax / BEP L105)	mm	5543	6023	6503
Front Overhang	(H / BEP L016)	mm	1325		



Wheelbase		mm	3.800	4.100	4.400
DT18 ENGINE	(B / BEP L102)	mm	537		
Wheelbase	(F / BEP L011)	mm	3800	4100	4400
Max. power: 184 kW at 2100 rpm Max. torque: 950 Nm from 900 rpm to 1700 rpm	(F' / BEP L015)	mm	3800	4100	4400
SAE 395 pushed clutch		mm	1885		
4 cylinders in-line diesel engine - 4 valves per cylinder - Rear-mounted timing		mm	1645		
COMMON RAIL High-pressure direct fuel-injection (BEP L003) Bar		mm	7010	7310	7370
Bore 110 mm - stroke 135 mm - Capacity 7.7 litres		mm	492		
Variable geometry turbocharger	Min. (Ymin / BEP L104)	mm	552	612	
Exhaust gas recirculation	Max. (Ymax / BEP L103)	mm	1121	1207	1252
Direction of rotation (seen from G/B end): anti-clockwise		mm	6146		
Oil capacity: 27 L including filtration	(Zmin / BEP L001)	mm	6575	7084	
Sheet metal oil sump	(Zmax / BEP L001)	mm	7105	8365	
Max. oil sump capacity: 17 litres		mm	2280		
Antifreeze protection: -40°C.		mm	2460	2640	
EEC EURO VI pollution control level	Min. (Xmin / BEP L017)	mm	1021	1150	1359
Body pack rear treatment system (7th injector, catalytic converter, DPF, SCR)	Max. (Xmax / BEP L017)	mm	2280		

Reduction in engine power of 25% when vehicle emissions are above the legislative levels.
Noise rating level complies with EEC standards (80dB)

- ZF 9S 1110 TO 9-speed manual gearbox (synchronesh) and 1 reverse gear (0.48 - 0.75). Super H gear pattern.
- SERVOSHIFT gear changing assistance. Cable-operated gearshift control.

Engine torque in Nm	Engine power in kW	mm	3.800	4.100	4.400
		mm	2861	2860	2857
		mm	2860		
		mm	258		
		mm	273		
		mm	232		
		mm	989	988	985
		mm	890		
		mm	1049		1051
		mm	1079	1076	
Frame top height at the rear of the frame	Laden (HN)	mm	926	925	923

ENGINE EQUIPMENT

Partial gas recycling (semi-closed circuit)
Intake air preheating cold starting device
Without engine Power Take Off.
Electronic speed limiter (90 km/h).

OPTIONS

Wheelbase		mm	3.800	4.100	4.400
Max. cab width	(BEP W002)	mm	2400		
Frame width	Front (BEP W035)	mm	864		
	Rear (BEP W036)	mm	864		
• With automatic wheels	Rear axle 1 (V3 / BEP W003.1)	mm	2478		
• Automatic engine cut-off (3 min)	Front (V1 / BEP W013.1)	mm	1996		
• Automatic engine cut-off (5 min)	Rear (V2 / BEP W013.2)	mm	1833		
• Engine rear PTO: Splined hollow shaft output (DIN 5462). Continuous drive		mm	7		
Rotation: as engine Max. torque: 600 Nm Ratio: 1/1 Position 12 o'clock		mm	7152.5	7652.5	8152.5
• Engine rear PTO: Output: ISO T646 plate. Continuous drive		mm	7		
Rotation: as engine Ratio: 0.93. Intermittent torque: 600 Nm Outlet: Plate.		mm	7750	8250	8700
• Gearbox PTO mounted on right hand side rear face at 15h Rotation: as engine Ratio: 0.93. Intermittent torque: 600 Nm Outlet: Plate.		mm	7		
• Gearbox PTO mounted on right hand side rear face at 15h Rotation: as engine		mm	7		

OTHER

• Engine rear PTO:
Output: ISO T646 plate. Continuous drive
Rotation: as engine
Ratio: 0.93. Intermittent torque: 600 Nm
Outlet: Plate.
• Gearbox PTO mounted on right hand side rear face at 15h
Rotation: as engine
Ratio: 0.93. Intermittent torque: 600 Nm
Outlet: Plate.

- Exhaust-mounted retarder (120 kW at 2500 rpm)
- Without gearbox mounted PTO
- Gearbox PTO mounted on right hand side rear face at 15h
Rotation: as engine
Ratio: 0.93, Intermittent torque: 400 Nm
Outlet: DIN 5462 hollow shaft for flanged pump
- Gearbox PTO mounted on right hand side rear face at 15h
Rotation: as engine
Ratio: 0.93, Intermittent torque: 600 Nm
Outlet: Plate.
- Gearbox PTO mounted on right hand side rear face at 15h
Rotation: as engine



Ratio: 0.93, Intermittent torque: 600 Nm
 Outlet: DIN 5462 hollow shaft for flanged pump.

- Gearbox PTO mounted on right hand side rear face at 15h
 Rotation: as engine
 Ratio: 0.93, Intermittent torque: 400 Nm
 Outlet: Plate.
- Power take-off S88 C
 Output: DIN 5462
 Direction of rotation: as engine
 Torque: 450 Nm
 Ratios: 0.96
 Position: 16h
- PTO NL/10 B 320 Nm.
 Outlet : flanged.
 Rotation : as engine
 Torque : 320 Nm.
 Ratios : 1.7
 Position : 13h
- PTO NL/10 C 320 Nm.
 Outlet : Splined hollow shaft.
 Rotation : as engine
 Torque : 320 Nm.
 Ratios : 1.7
 Position : 13h
- PTO NL/10 B 270 Nm.
 Outlet : Flanged.
 Rotation : as engine
 Torque : 270 Nm.
 Ratios : 2.03
 Position : 13h
- Power take-off S84, 430 Nm, internal spline output
- Power take-off S81, 800 Nm, flange output
- Power take-off S81, 800 Nm, internal spline output
- Power take-off S84, 430 Nm, flange output
- PTO S88 C.
 Outlet: flange.
 Direction of rotation: as engine
 Torque: 400 Nm
 Ratio: 0.96
 Position: 16h
- Additional PTO S88 Z2 C.
 Output : Splined hollow shaft
 Outlet : splined hollow shaft
 Rotation same as engine
 Torque : 450 Nm
 Ratio : 1.412 (9S) - 0.962 (6S 1000)
 PTO S88
 Output: DIN 90
 Direction of rotation: as engine
 Torque: 450 Nm
 Ratio: 0.96
 Position: 16h

STEERING

Hydraulic steering box with variable step-down power assistance.
 Driving on the right

AXLE

Load capacity (technical max.) Front axle: 7.1 t.

WHEELS AND TYRES

Dimension 305/70 R 22.5
 Profile G. KMAX S/D
 Without spare wheel.

OPTIONS

- Dimension 315/60 R22.5
- Dimension 295/80 R22.5
- Profile C. HYBRID HS3/HD3
- C. ECOPLUS HS3 / HYBRID HD3 profile
- Profile G. KMAX S HL/D
- Profile M. X MULTIWAY 3D XZE/XDE
- M. X MULTI Z / XDE2+ profile
- Profile M. X LINE ENERGY Z / X MULTI D
- Profile C. HSC1/HDC1
- Profile G. MSS2/MSD2

BRAKING

Service brake:

Braking system with two independent circuits
 All-disc brakes
 Electronic management of air production by APM (Air Product Management)
 Dryer cartridge optimised by preventive maintenance
 Single cylinder air compressor 500 l/min, 360 cm³
 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
 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

Brake adjustment:

Automatic brake lining slack compensation.

Emergency brake:

Ensured by independence of main device circuits

OPTIONS

- Electrical socket for trailer.



- 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)

CAB

Cab exterior:

Day cab
All steel Cab, electro-zinc plated and cathaphoretic paint treatment.
Cab paint colour: White eka
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.
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
Provision for mounting external sun visor.
Tinted, laminated windscreen.
Without rear window.

OPTIONS

- Adjustable roof deflector
- External sun visor
- Heated and tinted laminated windscreen

Cab interior:

Upper storage cupboard with net cover, 2 storage compartments (50 l) with net covers
Three sun blinds on windscreen
DTCO 4.0 digital chronotachograph
Air-suspended driver's seat with fitted seat belt.
Driver's armrest
Red seat belts
Adjustable passenger seat
Cab lighting time-delay.
2 Coat hooks on rear panel
Electrically operated door windows
Handbook in Czech.

OPTIONS

- Analog and digital DAB and DAB+ radio requiring a digital antenna (not provided)

audio playback via USB and streaming via Bluetooth 4.0 with hands-free function and steering wheel-mounted controls

- CB pre-equipment.
- Air-suspended COMFORT driver's seat, with fitted seat belt, lumbar support, heated cushion and seatback, seat depth adjustment
- Air-suspended passenger seat with seatbelt.
- Front passenger bench (2 seater) with 3-point seat belts and integral headrests.
- Passenger armrest
- Storage on engine tunnel
- Air conditioning
- Smartphone mounting plate
- Adaptation: "Cylinder on clutch pedal"
- "DRIVER'S ALCO-LOCK provide and install immobiliser alco-lock kit" adaptation
- Adjustment of "beam setting for toll chargers"
- "Air blower installation inside the cab" adaptation
- Analog and digital DAB and DAB+ radio requiring a digital antenna (not provided)

audio playback via USB and streaming via Bluetooth 4.0 with hands-free function and steering wheel-mounted controls

Steering wheel equipment:

4-spoke steering wheel adjustable for height and depth, includes cruise control controls
OPTIBRAKE and retarder control.

OPTIONS

- 4-spoke leather steering wheel adjustable for height and depth, with control for cruise control
 - Analog and digital DAB and DAB+ radio requiring a digital antenna (not provided)
- audio playback via USB and streaming via Bluetooth 4.0 with hands-free function and steering wheel-mounted controls
- Analog radio with audio playback and streaming via Bluetooth 4.0 with hands-free function and steering wheel-mounted controls

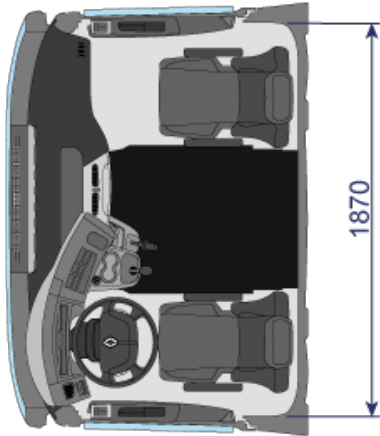
Instrument panel:

12V socket on dashboard, for accessories.
Starting inhibitor controlled by transponder key.
Folding key.
Remote control central door locking.
Speed limiter adjustable via steering wheel control (ASL)
Cruise Control with steering wheel-mounted controls

OPTIONS

- 12 V + 24 V socket on dashboard, for accessories.
 - "D 4x2 differential lock audible warning" adaptation
 - "ONSPOT type automatic chaining system" adaptation
 - Analog and digital DAB and DAB+ radio requiring a digital antenna (not provided)
- audio playback via USB and streaming via Bluetooth 4.0 with hands-free function and steering wheel-mounted controls





Advanced emergency braking system (AEBS)
English and Czech language display
Additional language (Slovak)

OPTIONS

- FMS Gateway fleet management interface
- Telematics provision including the TGW (Telematics GateWay): including antenna and subscription to Optifleet Map, Check and Drive services
- Constant time gap (CTG) linked to advanced emergency braking system (AEBS)

ELECTRICAL EQUIPMENT

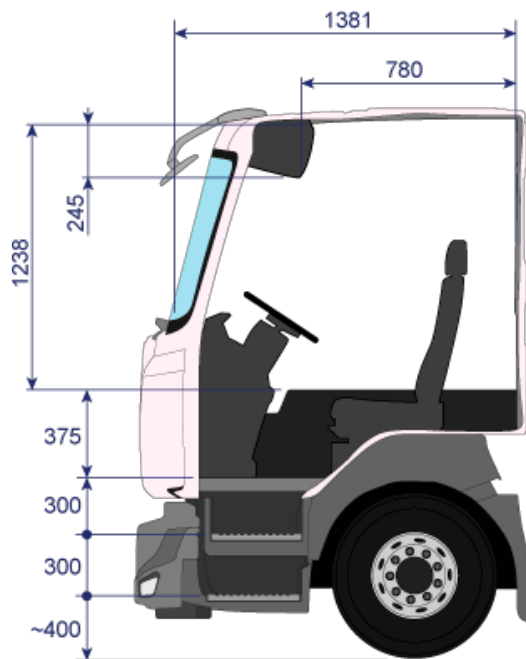
Battery capacity: 170 Ah
Batteries with level check
ADR battery isolation switch
Alternator : 130 amp capacity.

OPTIONS

- Maintenance-free batteries
- "LED rear lights" adaptation

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 underrun bar with integral lights, fitted on the chassis.
Rear crossmember for towing hook on less than or equal to 3.5t GVW.
One wheel chock with bracket mounted on chassis.
Lateral exhaust on left side.



OPTIONS

- Provision for positioning a vehicle front end plate (snow plough blade support).
- Engine air filter with easily removable cartridges.
- "Restricted use tanker 19 t GVW with 19 t naming" adaptation

ELECTRONIC EQUIPMENT:

SAE cab socket for vehicle data extraction (Optifuel Infomax).
Lane Departure Warning System (LDWS)

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



OPTIONS

- 3-part steel bumper
- Front fog lights.
- 2 orange rotating beacons
- Roof beacon pre-equipment

SUSPENSION

Front suspension

Front parabolic leaf springs.
Stabiliser bar

Rear suspension:

Parabolic rear suspension.
Telescopic shock absorbers.
Stabiliser bar

OPTIONS

- Reinforced rear asymmetrical leaf springs.
- Rear air suspension.
- 2-channel air suspension control on dash board

FUEL TANK

Main aluminium tank
Main fuel tank: 160 litres capacity D560 profile mounted on left
Fuel heater in filter bowl.

OPTIONS

- Main fuel tank: 210 litres capacity D710 profile mounted on left
- "Diesel fuel anti-siphon" adaptation

AdBlue

32-litre AdBlue tank

STANDARD EQUIPMENT

Equipment for carriage of petroleum-spirit / hazardous goods (RTMDR + ADR).
Warning triangle.
Portable orange safety lights in cab
Windscreen washer bottle capacity: 12L

OPTIONS

- Sharp angle protection.

BODYWORK

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

OPTIONS

- Front body mounting brackets.
- Bodywork bracket mounting holes
- Rear mounting brackets for bodywork
- Provision for bodybuilder electronic box interface.
- Electrical provision for crane

SERVICE

Optifleet:

OPTIONS

- Pre-equipment for monthly Optifleet Check: technical data reports for fuel consumption monitoring by vehicle and by driver, activation of service on request subject to monthly subscription
- Optifleet Check: technical data reports for fuel consumption monitoring by vehicle and by driver, 1-year prepaid subscription
- Optifleet Check: technical data reports for fuel consumption monitoring by vehicle and by driver, 2-year prepaid subscription
- Optifleet Check: technical data reports for fuel consumption monitoring by vehicle and by driver, 3-year prepaid subscription
- Optifleet Check: technical data reports for fuel consumption monitoring by vehicle and by driver, 4-year prepaid subscription
- Optifleet Check: technical data reports for fuel consumption monitoring by vehicle and by driver, 5-year prepaid subscription
- Optifleet Check: technical data reports for fuel consumption monitoring by vehicle and by driver, 6-month prepaid subscription
- Pre-equipment for monthly Optifleet Drive: Monitoring of activity times and remote download of driver card data and tachograph memory, activation of service on request subject to monthly subscription
- Optifleet Drive: Monitoring of activity times and remote download of driver card data and tachograph memory, 1-year prepaid subscription



- Optifleet Drive: Monitoring of activity times and remote download of driver card data and tachograph memory, 2-year prepaid subscription
- Optifleet Drive: Monitoring of activity times and remote download of driver card data and tachograph memory, 3-year prepaid subscription
- Optifleet Drive: Monitoring of activity times and remote download of driver card data and tachograph memory, 4-year prepaid subscription
- Optifleet Drive: Monitoring of activity times and remote download of driver card data and tachograph memory, 5-year prepaid subscription
- Optifleet Drive: Monitoring of activity times and remote download of driver card data and tachograph memory, 6-month prepaid subscription
- Pre-equipment for monthly Optifleet Map: vehicle geolocation, geofencing and route analysis. Activation of service on request subject to monthly subscription
- Optifleet Map: vehicle geolocation, geofencing and route analysis, 1-year prepaid subscription
- Optifleet Map: vehicle geolocation, geofencing and route analysis, 2-year prepaid subscription
- Optifleet Map: vehicle geolocation, geofencing and route analysis, 3-year prepaid subscription
- Optifleet Map: vehicle geolocation, geofencing and route analysis, 4-year prepaid subscription
- Optifleet Map: vehicle geolocation, geofencing and route analysis, 5-year prepaid subscription
- Optifleet Map: vehicle geolocation, geofencing and route analysis, 6-month prepaid subscription
- Pre-equipment for monthly Optifleet Map+: high frequency vehicle geolocation, geofencing and route analysis. Activation of service on request subject to monthly subscription
- Optifleet Map+: vehicle geolocation, geofencing and route analysis, 1-year prepaid subscription
- Optifleet Map+: vehicle geolocation, geofencing and route analysis, 2-year prepaid subscription
- Optifleet Map+: vehicle geolocation, geofencing and route analysis, 3-year prepaid subscription
- Optifleet Map+: vehicle geolocation, geofencing and route analysis, 4-year prepaid subscription
- Optifleet Map+: vehicle geolocation, geofencing and route analysis, 5-year prepaid subscription
- Optifleet Map+: vehicle geolocation, geofencing and route analysis, 6-month prepaid subscription

PACKS

- Pack "Protect" comprising:
EBS MEDIUM with ESP
Tyre pressure gauge
Tyre inflation extension piece
Cab volumetric alarm, immobilizer and load protection.
Passenger side vision door with lower tinted window
Reversing warning buzzer, including night switch.

GEARBOX RATIOS

1	2	3	4	5	6
6.75	3.60	2.13	1.39	1.00	0.78

PERFORMANCE

Gearbox ratio	Axle ratio	Code	Final ratio	Engine rpm at max torque	Speed	Gradient in % (2)	Engine speed at 90 km/h	Governed speed in km/h (1)
1	DRIVE AXLE RATIO 3.78	1CJ52	3.780	1000	7.17	27.54		
	DRIVE AXLE RATIO 4.13	1CJ51	4.130	1000	6.56	30.32		
	DRIVE AXLE RATIO 4.50	1CJ55	4.500	1000	6.02	33.34		
	DRIVE AXLE RATIO 5.14	1CJ50	5.140	1000	5.27	38.76		
	DRIVE AXLE RATIO 6.17	1CJ32	6.170	1000	4.39	48.17		
	DRIVE AXLE RATIO 5.67	1CJ49	5.670	1000	4.78	43.48		
6	DRIVE AXLE RATIO 3.78	1CJ52	3.780				1450.03	130
	DRIVE AXLE RATIO 4.13	1CJ51	4.130				1584.30	119
	DRIVE AXLE RATIO 4.50	1CJ55	4.500				1726.23	109
	DRIVE AXLE RATIO 5.14	1CJ50	5.140				1971.74	96
	DRIVE AXLE RATIO 6.17	1CJ32	6.170				2366.85	80
	DRIVE AXLE RATIO 5.67	1CJ49	5.670				2175.05	87

(1) Speed limited electronically (except VI < or = 12t, where special regulations apply)
(2) Slope calculated in %, varies according to ground adhesion

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