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K 380.35 6X4 R HEAVY E6

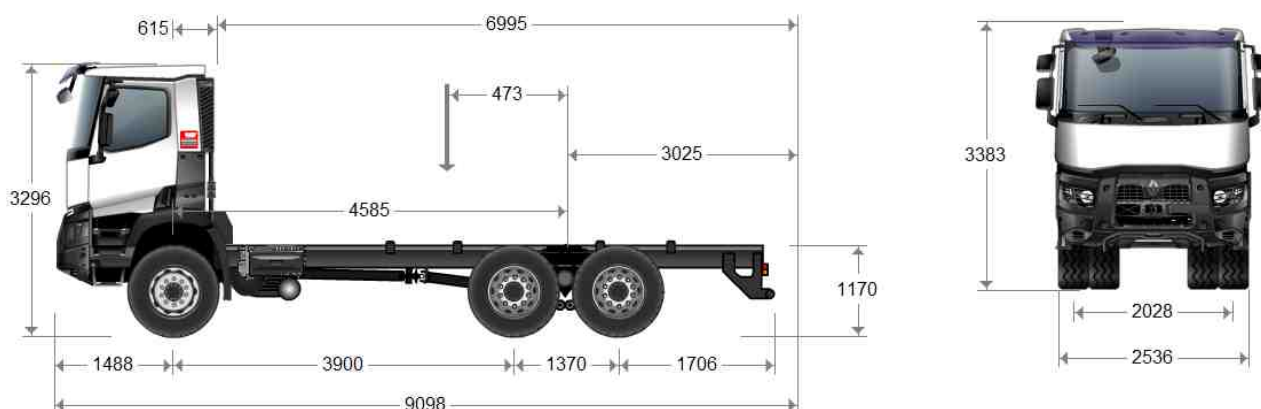
RIGID

Model code : CST_31KN016HD000

GVW 26T / GTW 40 T

DAY CAB

REAR TANDEM ELLIP. SUSP. 32T



WEIGHTS

| Wheelbase | | mm | 3.200 | 3.400 | 3.900 | 4.300 | 4.600 | 4.900 | 5.200 | 5.600 |
|-----------------------------|----------------------------------|----|-------|-------|-------|-------|-------|-------|-------|-------|
| Maximum Weight (registered) | Total (GVW) | Kg | 26000 | | | | | | | 0 |
| Payload | (C) | Kg | 16517 | 16464 | 16362 | 16287 | 16232 | 16178 | 0 | 0 |
| Kerb Weight | total | Kg | 9483 | 9536 | 9638 | 9713 | 9768 | 9822 | 0 | 0 |
| Chassis cab kerb weight | Front axles (Liftable axle down) | Kg | 4994 | 4998 | 5071 | 5132 | 5170 | 5199 | 0 | 0 |
| | Rear axles (Liftable axle down) | Kg | 4489 | 4538 | 4567 | 4581 | 4598 | 4623 | 0 | 0 |
| Maximum Weight (registered) | Front axle 1 | Kg | 8000 | | | | | | | |
| | rear axle 1 | Kg | 9500 | | | | | | | 0 |
| | rear axle 2 | Kg | 9500 | | | | | | | 0 |
| | Rear axle(s) | Kg | 19000 | | | | | | | 0 |
| Maximum Weight (technical) | total (CoC: 16.1.) | Kg | 40000 | | | | | | | |
| | front axles (CoC: 16.2.) | Kg | 8000 | | | | | | | |
| | rear axles (CoC: 16.2.) | Kg | 32000 | | | | | | | |

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 axle load(s) must be respected: A value corresponding to 26% of the weight of the unladen bodied vehicle kerb weight (with driver, without passenger)
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 | 3.200 | 3.400 | 3.900 | 4.300 | 4.600 | 4.900 | 5.200 | 5.600 |
|---------------------------|------------------------|----|-------|-------|-------|-------|-------|-------|-------|-------|
| Body length | Min. (Wmin / BEP L105) | mm | 5465 | 5665 | 6298 | 6984 | 7497 | 8006 | 0 | |
| | Max. (Wmax / BEP L105) | mm | 5875 | 6195 | 6995 | 7635 | 8115 | 8595 | 0 | |
| Front Overhang | (H / BEP L016) | mm | 1488 | | | | | | 0 | |
| Cab entry | (B / BEP L102) | mm | 615 | | | | | | 0 | |
| Wheelbase | (F / BEP L011) | mm | 3200 | 3400 | 3900 | 4300 | 4600 | 4900 | 0 | |
| Technical wheelbase | (F' / BEP L015) | mm | 3885 | 4085 | 4585 | 4985 | 5285 | 5585 | 0 | |
| Axle Spacing | Axle 2-3 (BEP L012.2) | mm | 1370 | | | | | | | |
| Rear overhang | Chassis | mm | 1656 | 1756 | 1706 | 1656 | | 1756 | 0 | |
| Overall Chassis Length | (A / BEP L032+L016) | mm | 7714 | 8014 | 8464 | 8814 | 9114 | 9514 | 0 | |
| Centre of Gravity of load | Min. (Ymin / BEP L104) | mm | 333 | 373 | 473 | 553 | 613 | 673 | 0 | |
| | Max. (Ymax / BEP L103) | mm | 538 | 638 | 821 | 878 | 921 | 967 | 0 | |
| Min Overall Length (Z) | (Zmin / BEP L001) | mm | 7568 | 7768 | 8401 | 9087 | 9600 | 10109 | 0 | |
| Max Overall Length (Z) | (Zmax / BEP L001) | mm | 7978 | 8298 | 9098 | 9738 | 10218 | 10698 | 0 | |
| Bodywork rear overhang | Min. (Xmin / BEP L017) | mm | 2195 | | 2328 | 2614 | 2827 | 3036 | 0 | |
| | Max. (Xmax / BEP L017) | mm | 2605 | 2725 | 3025 | 3265 | 3445 | 3625 | 0 | |

HEIGHTS

| Wheelbase | | mm | 3.200 | 3.400 | 3.900 | 4.300 | 4.600 | 4.900 | 5.200 | 5.600 |
|---|-------------------------|----|-------|-------|-------|-------|-------|-------|-------|-------|
| Cab height (unladen) | (O) | mm | 3298 | | 3296 | 3295 | 3294 | 3293 | 0 | |
| Max. exterior height unladen | (BEP H001) | mm | 3385 | | 3383 | 3382 | 3381 | 3380 | 0 | |
| Side member height | (BEP H032) | mm | 300 | | | | | | | |
| Ground clearance, laden | Front (U1 / BEP H015) | mm | 365 | | | | | | 0 | |
| | Rear (U3 / BEP H016) | mm | 320 | | | | | | 0 | |
| Frame top height at front axle | Unladen (H1 / BEP H035) | mm | 1173 | | 1171 | 1170 | 1169 | 1168 | | |
| | Laden (H1 / BEP H036) | mm | 1100 | | | | | | | |
| Frame top height at drive axle | Unladen (H2 / BEP H037) | mm | 1170 | | | | | | 0 | |
| | Laden (H2 / BEP H038) | mm | 1108 | | | | | | 0 | |
| Frame top height at the rear of the frame | Unladen (HN) | mm | 1167 | | 1169 | 1170 | | 1171 | | |
| | Laden (HN) | mm | 1116 | 1115 | 1114 | | 1113 | | | |

WIDTHS

| Wheelbase | | mm | 3.200 | 3.400 | 3.900 | 4.300 | 4.600 | 4.900 | 5.200 | 5.600 |
|----------------------|-------------------------------|----|-------|-------|-------|-------|-------|-------|-------|-------|
| Max. cab width | (BEP W002) | mm | 2492 | | | | | | 0 | |
| Frame width | Front (BEP W035) | mm | 1080 | | | | | | 0 | |
| | Rear (BEP W036) | mm | 852 | | | | | | 0 | |
| Width at rear wheels | Rear axle 1 (V3 / BEP W003.1) | mm | 2536 | | | | | | 0 | |
| | Rear axle 2 (V5 / BEP W003.3) | mm | 2536 | | | | | | | |
| Track | Front (V1 / BEP W013.1) | mm | 2028 | | | | | | 0 | |
| | Rear 1 (V2 / BEP W013.2) | mm | 1874 | | | | | | 0 | |



| Wheelbase | | mm | 3.200 | 3.400 | 3.900 | 4.300 | 4.600 | 4.900 | 5.200 | 5.600 |
|----------------------|--------------------------|----|-----------------------|-------|-------|-------|-------|-------|-------|-------|
| DTI 11 ENGINE | Rear 2 (V4 / BEP W013.2) | mm | Continuous drive 1874 | | | | | | | |

Max. power output: 279 kW between 1700 and 1850 rpm

Max. torque: 1800 Nm from 950 rpm to 1400 rpm

6-cylinder in-line diesel engine - Common rail high-pressure fuel injection (2000 bar) - 24 valves - overhead camshaft, rear
Bore 123 mm - stroke 152 mm - Capacity 10.8 L
Turbochargers
Electronically controlled fan
Direction of rotation (seen from G/B end): anti-clockwise
Sheet metal oil sump
Engine adapted to sulphur diesel
EEC EURO VI pollution control level
Compact after-treatment system (catalytic converter, DPF, SCR)
Automatic regeneration of particulate filter
Reduction in engine power of 25% when vehicle emissions are above the legislative levels.
Vehicle noise level set at 82 dB(A)

Direction of rotation: as engine
Torque: static use 650 Nm, dynamic use 200 Nm
Ratio: 1.08
Position 1 o'clock

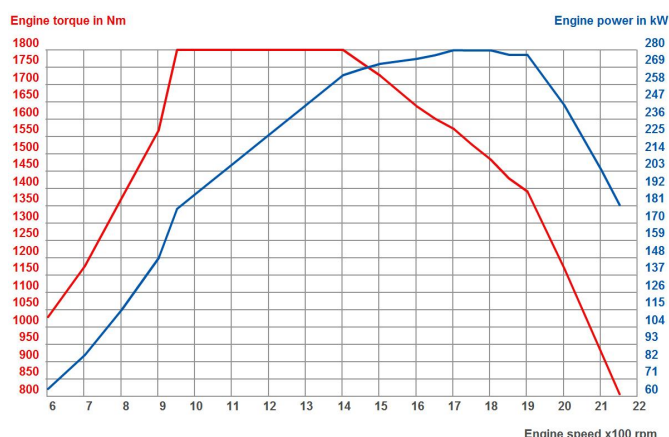
| Wheelbase | | mm | 3.200 | 3.400 | 3.900 | 4.300 | 4.600 | 4.900 | 5.200 | 5.600 |
|--------------------|------------|----|-------|-------|-------|-------|-------|-------|-------|-------|
| Engine power (kW) | (BEP W034) | mm | 6956 | 7256 | 8006 | 8556 | 9106 | 9656 | 10206 | |
| Engine torque (Nm) | (BEP W012) | mm | 7700 | 8000 | 8750 | 9350 | 9800 | 10700 | | |

Direction of rotation: as engine
Torque: static use 650 Nm, dynamic use 200 Nm
Ratio: 1.08
Position 1 o'clock

- High power PTO, continuous use (between engine and gearbox)
Transmissible torque: 2000 Nm
Ratio: 1.21
Flange output: DIN 120 position 12 o'clock
Rotation: as engine
- High power PTO, continuous use (between engine and gearbox)
Transmissible torque: 1600 Nm
Ratio: 1.54
Flange output: DIN 120 position 12 o'clock
Rotation: as engine
- Electronic speed limiter (80 km/h).
- Customer speed reduction to 80 km/h
- Customer speed reduction to 82 km/h
- Customer speed reduction to 85 km/h
- Customer speed reduction to 88 km/h
- Vehicle downhill speed regulation coupled to the retarder

OPTIONS

- Automatic particulate filter regeneration with manual control



ENGINE EQUIPMENT

Aluminium engine flywheel casing.
Fast idling control whilst moving (muddy site)
Power mode is activated by passing the 'hard spot' at the end of the accelerator pedal stroke (kick down)
Partial gas recycling (semi-closed circuit)
Intake air preheating cold starting device
Without engine Power Take Off.
Electronic speed limiter (90 km/h).

OPTIONS

- Cast iron engine flywheel casing.
- Automatic engine cut-off (5 min)
- Engine rear power take-off:
Flange output DIN 100

CLUTCH

Single-plate clutch, diameter 430 mm

GEARBOX

Optidriver AT 2612F gearbox (14.94 - 1) with automatic clutch. Aluminium housing.
Max. torque 2550 Nm, 12 forwards gears and 3 reverse gears.
Steering wheel-mounted operating mode selection (automatic/manual) via gear shift selector.
Reinforcement of the Optidriver gearbox for heavy duty use (XTREM)
Gearbox oil cooler, oil/water heat exchanger

OPTIONS

- Optidriver ATO 2612F gearbox (11.73 - 0.79) with automatic clutch. Aluminium housing.
Max. torque 2550 Nm, 12 forwards gears and 3 reverse gears
Steering wheel-mounted operating mode selection (automatic/manual) via gear shift selector.
- Optidriver Extended ATO 2613F gearbox (17.54 - 0.79) with automatic clutch. Aluminium housing.
Max. torque 2550 Nm, 13-speed including 1 forward crawler gear and 5 reverse gears including one extra short-ratio.
Steering wheel-mounted operating mode selection (automatic/manual) via gear shift selector.
- Optidriver AT 2613 gearbox (19.40 - 1) with automatic clutch. Aluminium housing.



Max. torque 2550 Nm, 13-speed including 1 forward crawler gear and 5 reverse gears including one extra short-ratio
Steering wheel-mounted operating mode selection (automatic/manual) via gear shift selector.

- Heavy duty gearbox oil cooler, oil/water external heat exchanger
- "Extreme" gearbox oil cooler, oil/water and air/water

RETARDER

OPTIBRAKE (power rating 300 kW at 2300 rpm): combination of the exhaust brake and valve compression braking, coupled to service brake

OPTIONS

- Voith hydraulic retarder (450 kW - 3250 Nm)

POWER TAKE-OFFS

OPTIONS

- Without gearbox mounted PTO
- Power take-off PTR-DM
Output: splined hollow shaft (DIN 5462)
Direction of rotation: as engine
Torque: 600 Nm
Ratios: 1.06/1.35
Position: 16h
- Power take-off PTR-DH
Output: splined hollow shaft (DIN 5462)
Direction of rotation: as engine
Torque: 600 Nm
Ratios: 1.23/1.57
Position: 16h
- Power take-off PTR D-D1D:
Output: splined hollow shaft (DIN 5462), rotation as engine, torque 1000 Nm, Ratio 0.6/0.77. Position 17h
Mixed output (DIN 5462/DIN 120), rotation opposite to engine, torque 730 Nm, Ratio 1.29/1.65. Position 16h
- Power take-off PTR D-D1D:
Output: splined hollow shaft (DIN 5462), rotation as engine, torque 1000 Nm, Ratio 0.6/0.75. Position 17h
Mixed output (DIN 5462/DIN 120), rotation opposite to engine, torque 870 Nm, Ratio 1.04/1.32. Position 16h
- Power take-off S84, 500 Nm, flange output
- Power take-off S84
Output: splined hollow shaft (DIN 5462)
Direction of rotation: as engine
Torque: 430 Nm
Ratios: 0.91/1.16
Position: 17h
- Power take-off PTR-FH7
Output: flange (DIN 90)
Direction of rotation: as engine
Torque: 600 Nm
Ratios: 1.23/1.57
Position: 16h

- Power take-off PTR-FL2
Output: flange (DIN 90)
Direction of rotation: as engine
Torque: 600 Nm
Ratios: 0.73/0.91
Position: 16h
- Power take-off S81
Output: flange (DIN 90)
Direction of rotation: opposite to engine
Torque: 1000 Nm
Ratios: 0.71/0.90
Position: 18h
- Power take-off S84
Output: flange (DIN 90)
Direction of rotation: as engine
Torque: 430 Nm
Ratios: 0.91/1.16
Position: 17h
- Power take-off S84, 500 Nm, internal spline output
- Transmission power take-off PTRD-D
splined hollow shaft output (DIN 5462), rotating engine, torque 1000 Nm, ratios: 0.60 / 0.76, position 17 h
splined hollow double shaft output (DIN 5462), reverse rotating engine, torque 730 Nm, ratios: 1.29 / 1.65, position 16 h
- Transmission power take-off PTRD-D
splined hollow shaft output (DIN 5462), rotating engine, torque 1000 Nm, ratios: 0.57 / 0.73, position 17 h
splined hollow double shaft output (DIN 5462), reverse rotating engine, torque 870 Nm, ratios: 1.04 / 1.32, position 16 h
- Power take-off S81
Output: splined hollow shaft (DIN 5462)
Direction of rotation: opposite to engine
Torque: 1000 Nm
Ratios: 0.71/0.90
Position: 18h

STEERING

Power steering, variable-flow hydraulic pump
Steering ratio 20:1 - Steering wheel diameter 460 mm
Driving on the right

OPTIONS

- Hydraulic power steering, variable flow pump

AXLE

Front hub joints with grease nipples
Front load capacity (technical max.): 8 t

OPTIONS

- Axle with zero-maintenance steering knuckles
- Front suspension and hub joints with grease nipples

WHEELS AND TYRES



Dimension 315/80 R22.5
Profile B. M840 EVO / L355 EVO
Steel disc wheels
Steel front wheel trims
Without spare wheel.

OPTIONS

- Dimension 385/65 + 315/80 R22.5
- Dimension 385/65 + 12 R22.5
- Dimension 13 R22.5
- Dimension 385/65 + 13 R22.5
- Profile C. HYBRID HS3/HD3
- Profile G. KMAX S/D
- Profile G. RHS2/RHD2
- Profile M. X MULTIWAY 3D XZE/XDE
- Profile M. X MULTIWAY HD XZE/X MULTI 3D XZE
- M. X MULTI F/X MULTIWAY 3D XDE
- Profil B. M840 EXTRA/L355 TUBETYPE
- Profile B. M748 EVO / L355 EVO
- Profile B. M-STEER 001 / M-DRIVE 001
- Profile B. M840 EVO / L317 EVO
- C. CROSSTRAC HS3 / HD3 profile
- Profile G. MSS2/MSD2
- Profile G. MSS2/MSD2 TUBETYPE
- Profile G. ORD/ORD
- Profile G. ORD/ORD TUBETYPE
- Profile M. XZY2/XDY3
- Profile M. X WORKS XZ/XD TUBETYPE
- Profile M. X WORKS XZ/XD
- Profile M. X WORKS-HD Z / D
- Profile M. XZH2R/XZH2R
- Profile M. XZY3 / XDY3 / XZY2
- ISO_11992 compatible tyre pressure monitoring system
- Chrome wheel nut protectors with chrome wheel nut caps

BRAKING

Service brake:

Braking system with two independent circuits
Drum brakes
Dust protection on rear brake
Electronic management of air production by EACU (Electronic Air Control Unit):
Dryer cartridge optimised by preventive maintenance.
Twin-cylinder air compressor 900 l/min, 636 cm³
Silencer on pneumatic circuit
Two line trailer braking system (ISO connections).
Trailer brake device on rear crossmember
High-position rear brake cylinders

EBS:

Hill Start Aid
Wheel anti spin regulation (ASR)
Brake pad wear balancing (discs)
Wheel antilock braking system (ABS)
Emergency braking assist (AFU)
Harmonisation of tractor and trailer braking
Brake performance warning

Coupling of retarders and service brakes

Parking brake:

EPB (Electronic Parking Brake) automatic parking brake, immobilization provided by spring cylinders
Reinforced parking brake

Brake adjustment:

Automatic brake lining slack compensation.

Emergency brake:

Ensured by independence of main device circuits

OPTIONS

- Twin-cylinder air compressor 1100 l/min, 760 cm³
- Disengageable air compressor
- Steel protective cover on EACU
- Anti-lock braking system (ABS)
Drag torque control (Torque control during downshifting).
Brake harmonisation of tractor and trailer.
Retarder and service brake linking
Differential engagement management (if equipped) at speeds <10 km/h (4x2)
Braking performance warning
Emergency brake assist (EBA)

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
Black front face finish
Four point mechanical cab suspension.
2 heated, remote control rear view mirrors.
2 wide angle rearview mirrors.
Kerb view mirror.
Rear view mirrors for bodywork up to 2.55 m wide
Fold-back front view mirror
Air horn
Front wing mudflaps
Basic accessories: cab colour
External sun visor
Tinted, laminated windscreen.
Tinted rear cab window

OPTIONS

- Cab accessories: cab colour
- Adaptation: "Cab rear screen (according to option 97502)"
- 4-point cab air suspension with ride-height control system
- Rearview mirrors silver finish
- External sun visor.
- Heated and tinted laminated windscreen
- Without rear window.



- "Cab pre-equipment for application version XL" adaptation

Cab interior:

Performance finish
Quality roof console, 1 storage compartment with key lock, 1 storage space with net and 4 ISO modules
Interior sun blind on windscreen
DTCO 4.0 digital chronotachograph
Manually operated roof hatch.
Air-suspended driver's seat with fitted seat belt
Driver's armrest
Safety belt warning.
Fixed passenger's seat with seat belt.
Vinyl and fabric seat trim.
Removable rear storage compartment, left-hand side
Reading lamps on overhead ledge
Direct cab lighting
Cab lighting time-delay.
2 Coat hooks on rear panel
Electrically operated door windows
Electronic air conditioning.
Cab air filtration, washable filter
Handbook in Czech.
2 loudspeakers.

OPTIONS

- Electric interior sun blind on windscreen and manual blind on driver's side window
- Electric interior sun blind on windscreen, manual blinds on driver and passenger side windows
- Radio pre-equipment including wiring, antenna and loudspeakers.
- Mono CD player, MP3/WMA format-compatible
Double tuner for immediate radio station list update
Steering column-mounted radio controls
Jack (3.5 mm) and USB inputs for MP3 player
Hands-free interface for mobile telephone (Bluetooth technology), Audio streaming, steering wheel controls, microphone in the roof console, audio playback through vehicle speakers
Information on the main information display
- ROADPAD system comprising:
FM and DAB+ radio
- USB port and jack socket
- dual Bluetooth connection
- ROADPAD+:
- HGV-specific TOM TOM navigation system
- FM and DAB+ radio
- USB port and jack socket
- dual Bluetooth connection
- CB pre-equipment.
- Air-suspended driver's seat with fitted seat belt and suspension lock
- Air-suspended driver's seat with integral seat belt, adjustable lumbar support, adjustable seat cushion extension, heated seat (3 positions)
- Air-suspended passenger seat with seatbelt.
- EASY ACCESS air-suspended passenger seat
- Passenger armrest
- 3rd centre seat with 3-point seat belt
- Performance lower bunk
- Performance upper bunk

- Removable back rest
- Cloth seat trim.
- Leather seat trim.
- Storage on engine tunnel
- Reading lamps on overhead ledge
- Direct cab lighting
- Curtains around cab.
- Curtains around cab. Curtain separating driving position from rest area.
- Bunk area lighting
- Articulated LED lamps in bunk area
- 12 and 24 V sockets on bunk
- Central storage under bunk
- Cab independent night heater air/air (2 kW)
- Cab air filtration
- Infra-red remote control for operating the radio
- 4 loudspeakers and 2 tweeters
- Engine hourmeter.
- "Provide and install 2 driver's and passenger seat covers" adaptation
- air connector under driver's seat and blower supplied
- Radio pre-equipment including wiring, antenna and loudspeakers.
- Mono CD player, MP3/WMA format-compatible
Double tuner for immediate radio station list update
Steering column-mounted radio controls
Jack (3.5 mm) and USB inputs for MP3 player
Hands-free interface for mobile telephone (Bluetooth technology), Audio streaming, steering wheel controls, microphone in the roof console, audio playback through vehicle speakers
Information on the main information display
- ROADPAD system comprising:
FM and DAB+ radio
- USB port and jack socket
- dual Bluetooth connection
- ROADPAD+:
- HGV-specific TOM TOM navigation system
- FM and DAB+ radio
- USB port and jack socket
- dual Bluetooth connection
- Pre-equipment for cameras
- Supply of a camera kit in a cab adapted to Roadpad

Steering wheel equipment:

"Performance" 4-spoke steering wheel adjustable for height and depth, with control for cruise control
OPTIDRIVER control
OPTIBRAKE and retarder control on right-hand side
Easy Access steering column adjustable in 2 directions
Removable writing board on steering wheel

OPTIONS

- Ultimate leather steering wheel
- Easy Access steering column adjustable in 3 directions
- Radio pre-equipment including wiring, antenna and loudspeakers.
- Mono CD player, MP3/WMA format-compatible
Double tuner for immediate radio station list update
Steering column-mounted radio controls



Jack (3.5 mm) and USB inputs for MP3 player
Hands-free interface for mobile telephone (Bluetooth technology), Audio streaming, steering wheel controls, microphone in the roof console, audio playback through vehicle speakers

Information on the main information display

- ROADPAD system comprising:

FM and DAB+ radio

- USB port and jack socket

- dual Bluetooth connection

- ROADPAD+:

- HGV-specific TOM TOM navigation system

- FM and DAB+ radio

- USB port and jack socket

- dual Bluetooth connection

MP3/WMA-compatible CD player

AM/FM tuner

radio information on the main information display

Steering wheel controls

Instrument panel:

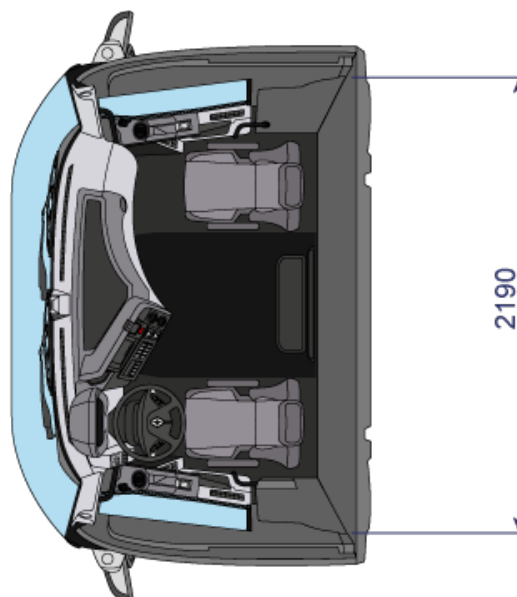
7" HD colour information display

12V socket on dashboard, for accessories.

Starting inhibitor controlled by transponder key.

Remote control central door locking with folding key

Cruise control and speed limiter configurable by rotary control



OPTIONS

- 12 V + 24 V socket on dashboard, for accessories.

- Anti-theft alarm, cargo protection pre-equipment

- Central locking

- Radio pre-equipment including wiring, antenna and loudspeakers.

- Mono CD player, MP3/WMA format-compatible

Double tuner for immediate radio station list update

Steering column-mounted radio controls

Jack (3.5 mm) and USB inputs for MP3 player

Hands-free interface for mobile telephone (Bluetooth technology), Audio streaming, steering wheel controls, microphone in the roof console, audio playback through vehicle speakers

Information on the main information display

- ROADPAD system comprising:

FM and DAB+ radio

- USB port and jack socket

- dual Bluetooth connection

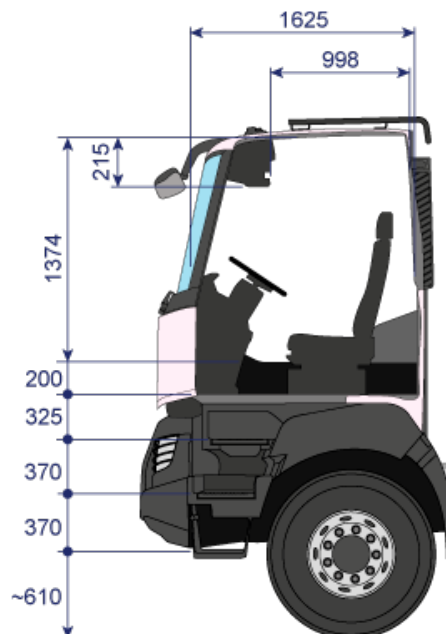
- ROADPAD+:

- HGV-specific TOM TOM navigation system

- FM and DAB+ radio

- USB port and jack socket

- dual Bluetooth connection



ELECTRONIC EQUIPMENT:

SAE cab socket for vehicle data extraction (Optifuel Infomax).

Telematics provision including the TGW (Telematics GateWay): including antenna and subscription to Optifleet Map, Check and Drive services
Assistance button for geolocation via the 24/7 platform
English and Czech language display
Additional language (Slovak)

OPTIONS

- Optifuel Infomax, complete kit comprising 1 installation CD, a licence and the connectors for all Renault Trucks vehicle generations
- FMS Gateway fleet management interface 3.0

ELECTRICAL EQUIPMENT

Battery capacity: 225 Ah
Batteries with level check
Battery cut-out remote control
Electrical circuit automatically goes to standby
Alternator : 150 amp capacity.

OPTIONS

- Maintenance-free batteries
- Battery charge indicator
- LED rear signalling and lighting (EEC standard e2 10113)
- Adaptation "installing a battery reconditioner"

CHASSIS

Chassis protective paintwork, mineral grey colour
technical code: 03650
Chassis reinforcement from gearbox crossmember to rear of chassis
Standard rear overhang, pre-drilled for bodybuilder
Reinforced removable front towing cap
Without rear under-run bar .
Transmission crossmember Medium
Trailer cross member for G150 hook (100 x 160 mm attachment)
Twin cartridge air filtration for dusty environments
2 foldaway wheel chocks
Wheel chock at front
Side exhaust.

OPTIONS

- Chassis reinforcement from rear of engine to rear end of chassis
- Full chassis reinforcement, from front to rear of vehicle
- Closing cross member with pre-drilling for towing yoke
- Adaptation: "MG type 5 hook"
- Adaptation: "ROCKINGER 50 G 6 towing hitch"

- Twin cartridge air filtration for dusty environments, with cyclonic primary filtration
- Rear wings with mudflaps
- Raised wing position, specifically for tanker use.
- Two wheel chocks with bracket.
- Rigid/tractor dual use conversion:
 - Trailer brake gantry as standard on cab rear with split trailer electrical sockets, trailer hoses
 - 36W yellow work light on trailer brake gantry (for France) or 70W white (for other countries)
 - Central walkway (1 single walkway), walkway on the battery box and the battery box access step
 - Hose 15=>2x7, hose for the 7-pin EBS connector , hose for the 15-pin connector
 - Removes front body arches
- NOTE: The rear overhang on the rigid will remain unchanged
The rear wings, fifth wheel angle brackets, fifth wheel and fifth wheel support are not included in the conversion
- Rigid/tractor dual use conversion:
 - Trailer brake gantry as standard on cab rear with split trailer electrical sockets, trailer hoses
 - 36W yellow work light on trailer brake gantry (for France) or 70W white (for other countries)
 - Central walkway (1 single walkway), walkway on the battery box and the battery box access step
 - Hose 15=>2x7, hose for the 7-pin EBS connector , hose for the 15-pin connector
 - Removes front body arches
- NOTE: The rear overhang on the rigid will remain unchanged
The rear wings, fifth wheel angle brackets, fifth wheel and fifth wheel support are not included in the conversion
- "Heavy duty air filtration for dusty atmosphere" adaptation

BUMPER - STEPS AND LIGHTING

3-part steel bumper with headlight grilles
Retractable windscreen access steps in radiator grille and under bumper
Access to driving position by 4 steps. 1st step flexible and of composite material.
Step lighting
Electrical headlamp levelling control.
Running lights
Provision for lighting rail on roof
Black fog lamp trims
Roof beacon pre-equipment

OPTIONS

- Headlight protective plexiglass
- Reinforced cab access steps
- Cab rear access step and grab handle
- Lighting to EEC standards.
- Front fog lights.
- Additional cornering lights

SUSPENSION

Front suspension

3-leaf reinforced front leaf springs



Stabiliser bar

OPTIONS

- Heavy duty stabiliser bar

Rear suspension:

11-leaf elliptic suspension
Stabiliser bar
Rear shock absorbers

OPTIONS

- Rear 4-leaf reinforced parabolic suspension

FUEL TANK

Main steel tank.
Main fuel tank: 315 litres capacity D560 profile mounted on right
Fuel filter heater
Reheating and insulation of fuel circuit
Heavy duty sedimenter and prefilter (R90).Bleed control on dashboard.

OPTIONS

- Main fuel tank: 255 litres capacity D560 profile mounted on right
- Main fuel tank: 380 litres capacity D560 profile mounted on right
- Main fuel tank: 405 litres capacity D710 profile mounted on right
- Main fuel tank: 415 litres capacity D560 profile mounted on right
- Main fuel tank: 450 litres capacity D710 profile mounted on right
- Main fuel tank: 570 litres capacity D710 profile mounted on right
- Main fuel tank: 285 litres capacity D710 profile mounted on right
- Main fuel tank: 630 litres capacity D560 profile mounted on right
- Main fuel tank: 330 litres capacity D710 profile mounted on right
- Main fuel tank: 365 litres capacity D710 profile mounted on right
- Main fuel tank: 350 litres capacity D560 profile mounted on right
- Main fuel tank: 445 litres capacity D560 profile mounted on right
- Main fuel tank: 490 litres capacity D710 profile mounted on right
- Main fuel tank: 505 litres capacity D560 profile mounted on right

- Main fuel tank: 510 litres capacity D710 profile mounted on right
 - Main fuel tank: 350 litres capacity D560 profile mounted on left
 - Main fuel tank: 365 litres capacity D710 profile mounted on left
 - Main fuel tank: 490 litres capacity D710 profile mounted on left
 - Main fuel tank: 510 litres capacity D710 profile mounted on left
 - Rigid/tractor dual use conversion:
 - Trailer brake gantry as standard on cab rear with split trailer electrical sockets, trailer hoses
 - 36W yellow work light on trailer brake gantry (for France) or 70W white (for other countries)
 - Central walkway (1 single walkway), walkway on the battery box and the battery box access step
 - Hose 15=>2x7, hose for the 7-pin EBS connector, hose for the 15-pin connector
 - Removes front body arches
- NOTE: The rear overhang on the rigid will remain unchanged
The rear wings, fifth wheel angle brackets, fifth wheel and fifth wheel support are not included in the conversion
- Anti-siphoning device

AdBlue

48-litre AdBlue tank (D560)
Urea tank on the right

OPTIONS

- 64-litre AdBlue tank (D710)
- Urea tank on the left

STANDARD EQUIPMENT

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

OPTIONS

- Axle with zero-maintenance steering knuckles
- Front suspension and hub joints with grease nipples
- Tool box on LHS chassis
- Large storage box on left-hand side of the chassis
- Sharp angle protection.
- "Heavy duty air filtration for dusty atmosphere" adaptation

BODYWORK

Front body mounting brackets.
Orange LED side marker lights with reflector



Interface for bodybuilder connections and BBM module (Body Builder Module)
Bodybuilder electrical interface on chassis

OPTIONS

- double civilian cab 6 places, 4 doors
- double firetender cab 6 places, 4 doors
- Pre-equipment plates on chassis for fitting cranes with a capacity of up to 20 tm without spaces on after-treatment system for crane stabilisers
- Pre-equipment plates on chassis for fitting cranes with a capacity of up to 40 T/M
- Space available for crane installation
- Flexible bodywork attachment with springs
- Body mounting brackets front and rear.
- Front body mounting brackets and rear fixing plates for rigid assembly.
- Front and rear mounting brackets for flexible fitment
- Bodywork bracket mounting holes
- Bodybuilder connection interface
- Electrical provision for crane

SERVICE

Optifleet:

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

Pre-equipment for monthly Optifleet Map: vehicle geolocation, geofencing and route analysis. Activation of service on request subject to monthly subscription

OPTIONS

- 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
- 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 "Fuel Eco" comprising:
Gearshifting strategy optimised for FUEL ECO
ECO Cruise control with Optiroll
Disengageable air compressor



Hydraulic power steering, variable flow pump
Automatic engine cut-off (5 min)
Power mode inhibited after passing the 'hard spot' of the accelerator pedal

- Pack "Fuel Eco" comprising:
ECO Cruise control with Optirroll
Disengageable air compressor
Hydraulic power steering, variable flow pump
Automatic engine cut-off (5 min)
Power mode inhibited after passing the 'hard spot' of the accelerator pedal
Optivision Map Based gear shift strategy for FUEL ECO (anticipation of topography and centralised data storage).
Telematics pre-equipment including TGW (Telematics Gateway) - version 3G for Optivision.

- Pack "Protect" comprising:
Stop lights emergency lighting
Additional cornering lights
Front fog lights.
Automatic windscreen wiping with rain sensor
Automatic lights
ISO_11992 compatible tyre pressure monitoring system

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 |

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 3.46 | 1CJ73 | 3.460 | 950 | 3.62 | 49.57 | | |
| | DRIVE AXLE RATIO 3.61 | 1CJ64 | 3.610 | 950 | 3.47 | 52.30 | | |
| | DRIVE AXLE RATIO 3.76 | 1CJ63 | 3.760 | 950 | 3.33 | 55.12 | | |
| | DRIVE AXLE RATIO 3.97 | 1CJ71 | 3.970 | 950 | 3.15 | 59.25 | | |
| | DRIVE AXLE RATIO 4.12 | 1CJ18 | 4.120 | 950 | 3.04 | 62.34 | | |
| | DRIVE AXLE RATIO 4.55 | 1CJ40 | 4.550 | 950 | 2.75 | 72.01 | | |
| | DRIVE AXLE RATIO 5.41 | 1CJ79 | 5.410 | 950 | 2.31 | 96.66 | | |
| | DRIVE AXLE RATIO 7.21 | 1CJ62 | 7.210 | 950 | 1.74 | 246.36 | | |
| 12 | DRIVE AXLE RATIO 3.46 | 1CJ73 | 3.460 | | | | 1581.35 | 108 |
| | DRIVE AXLE RATIO 3.61 | 1CJ64 | 3.610 | | | | 1649.91 | 104 |
| | DRIVE AXLE RATIO 3.76 | 1CJ63 | 3.760 | | | | 1718.46 | 100 |
| | DRIVE AXLE RATIO 3.97 | 1CJ71 | 3.970 | | | | 1814.44 | 94 |
| | DRIVE AXLE RATIO 4.12 | 1CJ18 | 4.120 | | | | 1883.00 | 91 |



| 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) |
|---------------|-----------------------|-------|-------------|--------------------------|-------|-------------------|-------------------------|----------------------------|
| | DRIVE AXLE RATIO 4.55 | 1CJ40 | 4.550 | | | | 2079.52 | 82 |
| | DRIVE AXLE RATIO 5.41 | 1CJ79 | 5.410 | | | | 2472.58 | 69 |
| | DRIVE AXLE RATIO 7.21 | 1CJ62 | 7.210 | | | | 3295.25 | 52 |

(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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