

# TECHNICAL DESCRIPTION

## OILFIELD TRUCK TYPE 11272 - DRIVE: 6 x 6



### **DIMENSIONS**

View drawings (last pages of this brochure)

### **ENGINE**

Cummins diesel engine QSX15 (CAT engine on request)  
Turbocharged after-cooled  
6 cylinders in line  
Bore/stroke : 137/169 mm  
Displacement : 15.000 cc  
Max. output : 447 kW (600 Hp)/ 2.100 rpm (SAE)  
Max. torque : 2508 Nm / 1.400 rpm (SAE)  
Jake brake  
Emission Standard: Tier 3A



<b>INLET SYSTEM</b>	Two stage, dry type air filter with security element.
<b>COOLING SYSTEM</b>	Tropical cooling system
<b>EXHAUST SYSTEM</b>	Exhaust silencer, outlet vertical; raincap
<b>CLUTCH</b>	Torque convertor Allison
<b>HEAT EXCHANGER</b>	Water to oil heat exchanger to cool transmission oil
<b>GEARBOX</b>	Allison 47000 series  Fully automatic transmission. 6-speeds forward and 1 speed reverse: <b>1</b> : 7,63 <b>2</b> : 3,51 <b>3</b> : 1,91 <b>4</b> : 1,43 <b>5</b> : 1,00 <b>6</b> : 0,74 7 <b>Rev.:</b> 4.80  <u><b>Power Take Off</b></u> for hydraulic winch drive
<b>TRANSFER BOX</b>	<u>ZF-Steyr</u> , type VG2700, 2 speeds : 0,91/1 and 1,41/1  With <u>lockable</u> differential.
<b>FRONT AXLE</b>	<b>Kessler</b> , Germany - Drive steer axle Double reduction, ratio 11,96 <u>Capacity</u> : 20.000 kg (44.092 pounds) With <u>lockable</u> differential
<b>REAR AXLES</b>	<b>Kessler</b> , Germany - rigid drive <u>tandem</u> axle Double reduction, ratio 11,96 <u>Capacity</u> : max. approx.. 54.000 kg / <b>Tandem axle</b> (120.000 pounds) With <u>lockable</u> differential  <u>Alternativ:</u> When using 29.5x25 tires: approx. 60.000 kg (132.000 pounds)  <b>More details of axles:</b> Go to: Options
<b>PROPELLER SHAFTS</b>	Needle roller bearings. Universally jointed

<b>SUSPENSION</b>	<p><u>Front</u>: 2 semi-elliptic leaf springs, slipper type 2 hydraulic shock absorbers</p> <p><u>Rear</u>: Walking beam suspension</p>
<b>STEERING</b>	<p><b>ZF</b> hydraulic power steering gear, type 8098 Two auxiliary steering rams on the front axle Left hand drive Auxiliary steering pump driven by the driveline</p>
<b>Service brakes</b>	<p>(pure air). Brake system equipped with air dryer. 2 separate circuits Parking and emergency brakes by means of spring loaded brake chambers acting a both rear axles, operating automatically in case of failure of air pressure</p>
<b>ELECTRICAL SYSTEM</b>	<p>24 Volt starting and lighting system Alternator 50 Amp. Mechanical battery switch</p>
<b>CAB</b>	<p><b>Renault</b> cabin type "<u>Kerax</u>" with engine bonnet in the front</p>
<u>Exterior</u>	<p>Short cab in galvanised steel protected by an extensive cataphoretic paint treatment.</p> <p>Engine bonnet in fibre glass</p> <p>Rear cab window</p> <p>Tinted and laminated windscreen and windows</p> <p>Four point mechanical cab suspension</p> <p>Full sound and thermal insulation</p> <p>Dirt deflectors</p> <p>Manually operated roof hatch</p> <p>2 heated, remote control, rear view mirrors</p> <p>Manual door locks</p> <p>2 standard doors</p> <p>Two speed windscreen wipers with incorporated washers and intermittent wipe</p>

Interior:

Air suspended driver's seat, short travel, with integral seat belt and head restraint

Mechanically adjustable passenger's seat, short travel, with integral seat belt and head restraint

Heating system and A/C for both extreme: Cold and warm temperatures

Windshield defroster

De luxe cab trim

Electrically operated door windows

Steering wheel with air controlled height and rake adjustment

Steering column lock

Engine stop by ignition key, anti-theft device plus steering lock

Self cancelling indicator stalk

**DASHBOARD**

All metric gauges

Engine hours counter

Two air pressure gauges

Engine rev. gauge

Engine coolant temperature gauge

Speedometer in km/h

Fuel level gauge

Volt meter

Dirty air filter indication lamp

Low air pressure warning light

Parking brake warning light

Engine high coolant temperature warning light

Engine low oil pressure warning light

High beam indicator light

Direction indication light

Battery charging warning light

Engine oil pressure gauge

Transmission oil temperature gauge

**SAFETY DEVICES** A buzzer is coupled in parallel with the low air pressure warning light, the engine high coolant temperature light and the low oil pressure warning light

**Neutral start**

**Automatic Shut-Off** when engine oil pressure is too low or engine water temperature too high

**CHASSIS** Two heavy duty steel side members (channel form) in high strength steel with extra frame inserts where needed ; bolted cross-members with high grade fasteners. **Standard is dual rail frame.** Triple rail frame on request.

**SUPERSTRUCTURE:**

**Platform** Length: 7.000 mm (= clear loading deck)  
up to: 9.500 mm clear loading deck is possible  
that is a wheel base of approx.: 11,0 m = 433 inches  
Width: 3.700 mm overall (145,6 inches)  
H.D. sub-frame is mounted onto the truck chassis floor  
First 1/3 in checkered steel plate 10/12 mm thickness  
Rear 2/3 in flat steel plate 20 mm thickness  
2 H.D. guy line eyes an both sides behind winch  
5 eyes in each side of platform to secure the load

**Winch** **BRADEN** hydraulic driven winch. Cap. 45.000 kg (SAE) on first layer cable 60 m, diam. 1'1/4 with tail chain and hook

**Headache rack** Reverse type with cable guide rollers. Built from HD tubing  
2 spotlights to light loading deck

**Tail roller** Full width roller mounted on double row bearings  
Overload rollers, removable end caps  
Diameter of roller : 240 mm  
The rear end of the roller extends  $\pm 20$  mm. from the most rear part of the skid plate

**Skidplate** Full width rear skirt of 20 mm thick plate extending to centerline of tires  
Openings to attach load binders

**Socket** Socket for corner pulley, one on each side of the rear of the body platform and one detachable corner pulley

### **Accessory equipment**

1 off 10" block with hook, 20 ton capacity

6 off C-1 ratchet style load binders

6 off load chains with hooks

### **CHASSIS EQUIPMENT**

Two fuel tanks along chassis, capacity 900 lit. each

Steel fenders above front wheels

Heavy duty front oilfield bumper with integrated front towing hook

Toolkit for driver

Tire inflation hose with gauge

Fire extinguisher 3 kg

Hydraulic jack cap. 40 ton.

First aid kit

Protection shield rear window

Safety horn on reverse

Spare wheel carrier with hand winch for storage of spare wheel behind cabin

Electrical horn

**WEIGHTS** Empty vehicle weight: approx. 30.000 kg

**Payload :** approx. 40.000 kg

**GVW** approx.74.000 kg (with tires: 21.00 x 25 more GVW with 29.5 x 25 tires)

**Capacity:** approx. 45.000 kg (100.000 lbs. with tires: 21.00 x 25 More capacity with 29.5 x 25 tires)

## **WHEELS**

Seven (7) rims and tyres supplied

Six (6) rims and tyres Michelin 21.00 x 25 (**single mounted**)

One (1) spare wheel

➔ [Identical wheels for front and rear axles](#)

**Info:** 29.5 x 25 tires on request

## **PERFORMANCES**

Max. speed approx. 75 km/h

## **PAINTING**

Two-pack, transparent, self etching wash primer with superior corrosion resistance on warm rolled raw materials after steel blasting

High build two pack epoxy-acrylic primer/surfacer with high protection against corrosion

High build two-pack acrylic lacquer with outstanding weather resistance

[Colors according customers demand](#)

## OPTIONS

- 1) Other dimensions
- 2) Different diesel engine on request (**CAT** . . . etc.)
- 3) Other transmission e.g. Clark Power-shift
- 4) 50 US Gallons drinking water tank (stainless steel)
- 5) Two beacon lights on top of roof of cabin.
- 6) Brake and electrical connections at rear for trailer.
- 7) Semi-automatic **CTIS** (Central tire inflation system)

A box is linked to the air system of the truck, the tyres are either inflated or deflated to predetermined pressures for the relevant terrain conditions with the vehicle in parked condition

A purely pneumatic device, without any electrical components, neither are there rotating seals like the full automatic **CTIS** do have

This system allows the driver to quickly adjust tyre pressures from on-road to off-road applications

The system is automatically cutting out when the correct pressure is reached

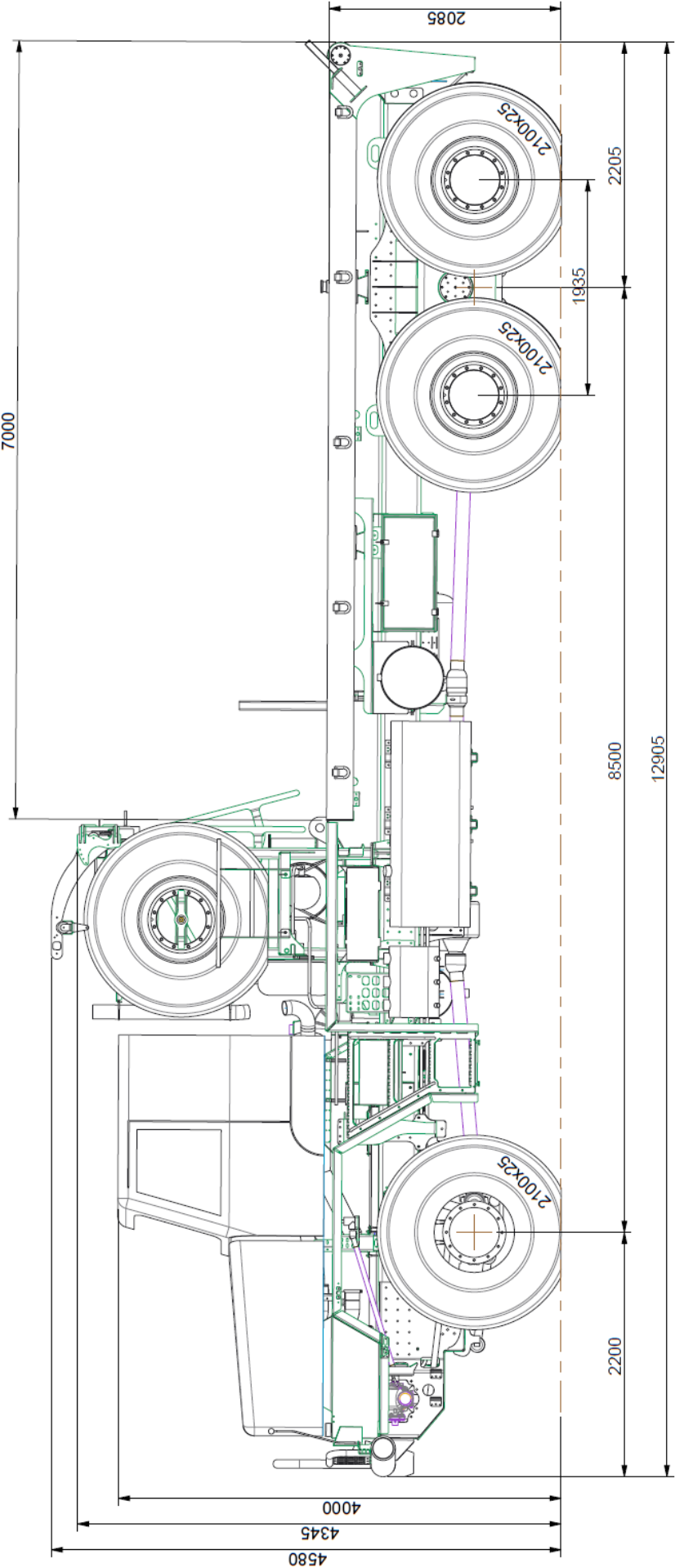
- 8) Full-automatic **CTIS**
- 9) Pneumatic horn
- 10) Retractable **fifth wheel** SAF Holland Hitch for SAE 3 1/2" king pin complete with pneumatic raise and lower system
- 11) Toolbox along chassis avec lock. Dimensions : 500x500x1000 m
- 12) Tire size 29.5 x 25
- 13) **Triple rail** frame
- 14) **Center lift** 6 inch **live roll** in the middle of the bed
- 15) Inside **pin pockets** along both side's of the bed

**Other options available an special request**

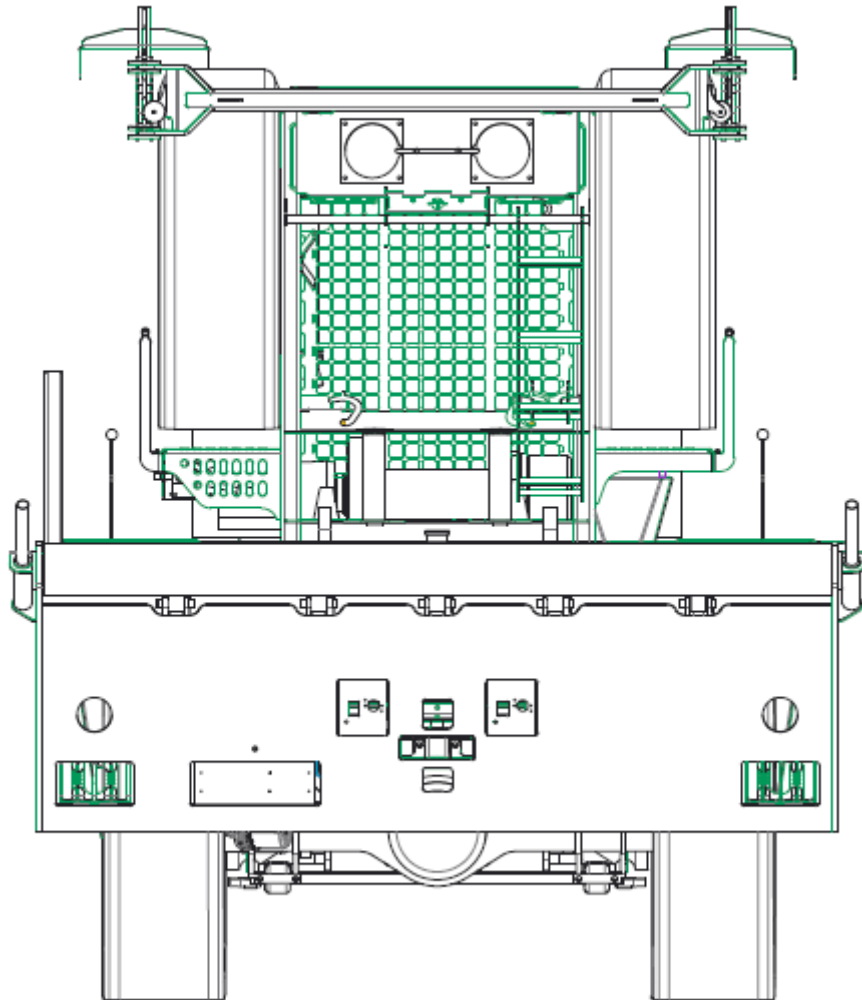




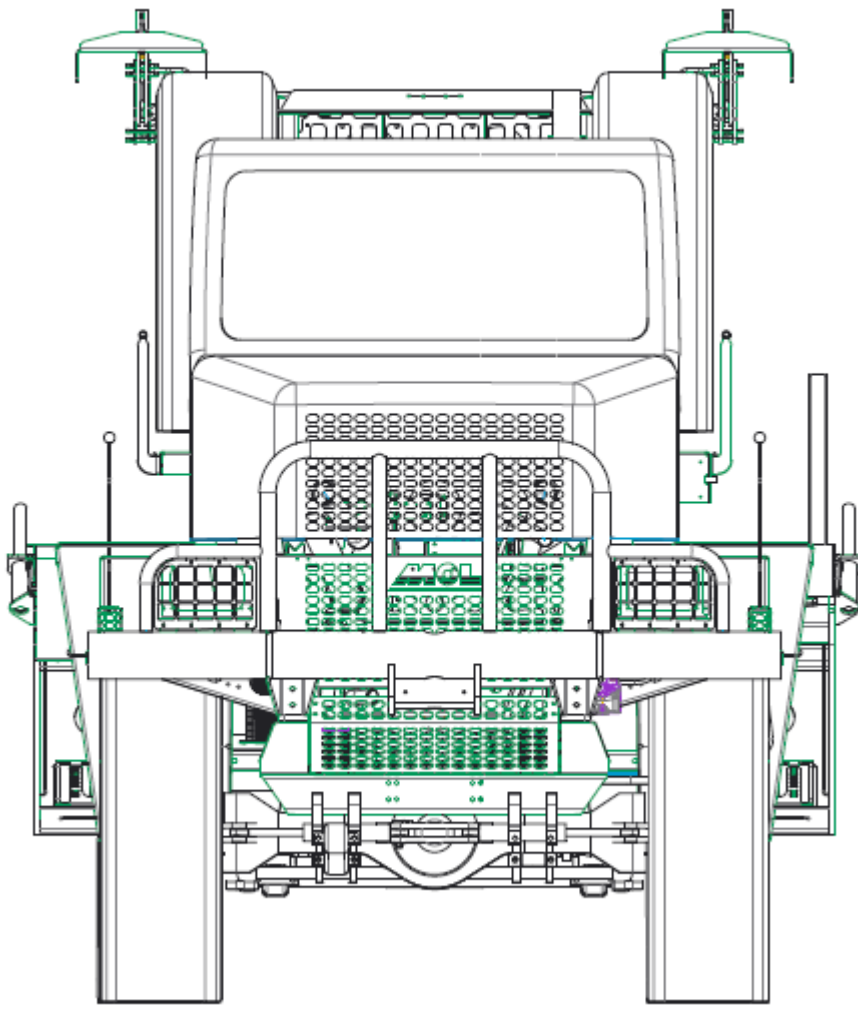
**Side view**



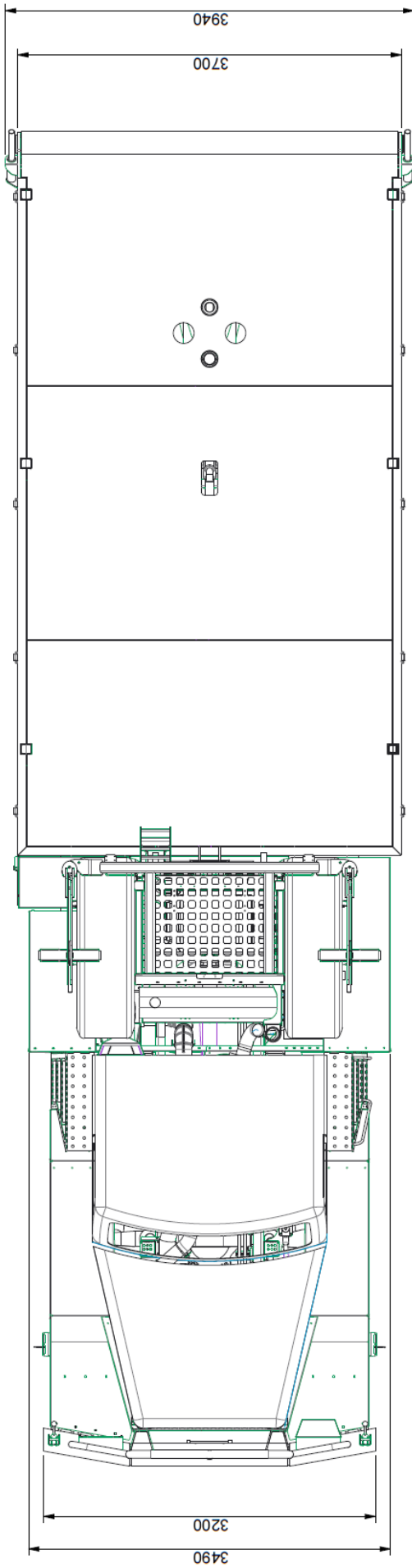
**View from behind**



**Front view**



**Arial view**



Information about **KESSLER** axles (Made in Germany)

<http://www.kessler-axles.com/en.html>



## Kessler tandem- and tridem-axles

### Kessler tandem- and tridem-axles

Kessler + Co designs and produces tandem- and tridem-axles with tandem axle loads of 40 – 80 metric tons. Our axles are characterized by a superior reliability based on product knowledge proven through many years of field experience as well as an elaborated lightweight design. Our modular design allows us to find individual solutions by using high volume components manufactured in highly efficient production plants.

Type	Axle ratio	Dynamic tandem loads	Brakes	Minimum rim diameter	Bolt circle diameter
D81DDPL477 D81DDPL478	6,36 - 28,0	400 kN	TB, SN	20"	335 mm
D91DDPL488	7,95 - 25,66	500 kN	TB SN	24"	425 mm
D91DDPL408	10,19 - 31,71	600 kN	SB SN	24"	KF
D102DDPL327 D102DDPL429	10,10 - 31,13	800 kN	SB	24"	KF

TB = drum brake, SN = S-cam brake  
SB = disc brake, KF = clamped rim fixation

As standard we are using the Kessler axle D91DDPL408 with 600 kN.