

Technical Descriptions Kalmar TR618i, Serial 50766**TR618i DSD Cabin, Left Hand Drive****Chassis:**

Welded steel frame
Anti-slip surfaces

Suspension:

Front suspension: Parabolic 2-leaf
Rear suspension: Solid mount.

Cabin:

One operator, left-hand drive
Swivelling seat arrangement for 360deg visibility
Designed according to ISO 3471:1994 safety standard (ROPS)
Welded Steel Construction
Anti-vibration rubber mountings
Hydraulic manual cab tilt system: 60deg tilt

Electric System:

24 Volt negative ground, two 170Ah batteries with main switch
CAN-BUS (Controller Area Network) interface

Pneumatic System:

Pneumatically operated: Brakes, 4-wheel drive engagement and opening of kingpin.
Brake system: Integrated air dryer, independent circuits for front and rear brakes
Fixed clad hand connections, double line system (red and yellow) for trailer connections (ISO 1728 standard)
Hose coupling support arm, four positions, at cabin roof level
Electrically controlled parking brake, engaged automatically when power is switched off
Wabco 530 liter/min, 2-cylinder compressor

Hydraulic System:

High capacity, variable displacement piston type hydraulic pump
Hydraulic control valves of mobile type, integrated to one hydraulic block
Double acting telescopic two stage hydraulic cylinders for lifting
Standard lifting capacity 32 tons.
Double acting hydraulic steering cylinders, dynamic steering valve with emergency steering function
Clog indicator light for blocked return line filter

Engine Cummins B6.7 168kW EU Stage V

Cummins B6.7 - 168 kW (225 HP) @ 2.200 rpm, 1.186 Nm torque @ 1.300 rpm CAC
(Charge Air Cooled), turbo-charged, electronic controlled engine - meets EU stage V and USA Tier 4F off-road emissions.

This is a in-line, 6-cylinder, 4-stroke diesel engine with direct fuel injection and a heavy-duty radiator. The engine is built with a high degree of precision to withstand high output while corresponding to high demands on operational safety and service life.

- in-cylinder combustion technology
- replaceable air filter element
- vertical muffler, exhaust stack and heat shield
- electronic throttle
- recommended oil change: every 500 hours
- rectangular fuel (built-in steps) tank capacity: 190 litres (50 gallons)
- fuel/water separator
- air cleaner; frontal air-intake behind grille
- air restriction indicator mounted under hood

Technical information:

- cylinders : 6 in-line
- stroke : 124 mm
- bore : 107 mm
- displacement : 6.7 litres

Engine block heater, 230V

Assembled to cylinder block. The heater warms up approximately to 50 °C. Socket is located on front fender.

Dana RTE 14822 (8+8), Converter CFL 331368 (TR)

Dana RTE 14822 (8+8) with Converter CFL 331368 is a powershift transmission with 8 forward gears and 8 rearward gears.

Transmission oil dipstick on side compartment**Manual gear selector****Double acting cylinders, active tilt $\pm 10^\circ$, 1000 mm lift, capacity 32tons (Std. TR-models)****Fifth Wheel, Holland FW0E70, 2" King Pin (GCW up to 120 ton, Not EC approved)****Gooseneck support, steel**

A bracket to support the gooseneck in operation

Balance springs for fifth wheel

Two draw-springs are mounted between the lift boom and the fifth wheel in order to keep the fifth wheel at horizontal position.

36 ton lifting capacity

Lifting cylinders to support 36 tonnes of lifting capacity

Fifth wheel control on the seat, at right

Controls for lifting en lowering the fifth wheel as well as locking and unlocking the king pin

Axle ratio 20.57:1 (Std. TT/TR)**Differential lock on rear axle with protection**

Differential lock on the rear axle to prevent the wheel from turning at different speeds

Rear axle air suspension with lowering

The axle is mounted to "U" beam arm. Front end is mounted to chassis frame by self-lubricating bearings, and it is supported behind the axle by dual air cushion springs. Level control valve adjusts the air pressure in the air spring and keeps the chassis height on the middle position. Shock absorbers control and dampen axle movements.

When the fifth wheel load is above 13 tons, the axle makes contact with rubber pads and effectively becomes a solid mounted arrangement giving increased tractor stability for handling heavy loads on steep gradients at elevated fifth wheel heights without clanging.

Michelin Multiway 3D XZE 315/80R22.5 all around

The Michelin Multiway 3D XZE 315/80R22.5 is a tire that is specifically designed for and therefore, well suited for the use in demanding environments, such as ports, terminals and distribution centers.

Technical specifications:

Rim size in inch: 22.5

Wheelsize in mm: 1075

Tirewidth in mm: 315

Required pressure in bar: 8.3

Wheel nut protection on front wheels

Cast iron ring, mounted by wheel nuts to the hub of front axle to prevent the damages of wheel bolts and wheel hubs e.g. in Ro-Ro operation.

Air suspended seat BeGe 9130 with 2-point seat belt

Technical data: 70 mm vertical suspension stroke 80 mm seat height and tilt adjustment fore and aft adjustment, +/- 80 mm backrest angle adjustment suspension cover blue colour 2-point seat belt with Seat heating

Locking position 90° for swivelling seat**Electrically operated driver's window****Outside mirrors, electrically heated and adjusted**

Mirrors on both sides of the cabin Electrically heated and adjusted On / off switch in the cabin for outside mirror heaters. Remote adjustment from driver site.

DAB+/Stereo radio/CD/USB MP3/ Bluetooth (24V)**Pneumatically operated sliding rear door****A4 writing pad+map light****Cabin heater, electric, 230 V AC incl. Socket, 1100W**

The heater is mounted to the left of the drivers feet on the cabin side wall.

Cabin Pause Heater

Can be adjusted with instrument panel switch. After the engine is shut down, pause heater can be activated by pressing the pause heater switch once and switching the power off with the ignition key. The pause heater keeps the cabin warm during 10 minutes with symbol shown on the CAN display panel. After 10 minutes, the pause heater inactivates and the power turns off.

Std. Noise level: Cabin max. 75 db(A), at drivers ear, outside 85 db(A) at 7,5m distance

Cabin tilting

Electrically operated

Cabin air suspension

Air suspended cabin for smooth riding

Automatic air conditioning**Automatic parking brake actuation, when swivelling seat is turned****Splash guards for front mudguards****Rear mudguards and bumper, integrated steel, welded, and splash guards****Trailer towing coupling, VBG-8500****Central lube, automatic, Lincoln-Helios****Additional step under cabin steps, chain (only with DSD-cabin)****Over-run structure behind cabin****Fixed spiral hoses, double line (red and yellow) Glad Hands**

Double line (red and yellow) fixed spiral hoses with glad hands, mounted at the rear side of the cabin. The air lines are mounted on the tractor with plastic connectors, so that they will break when the tractor drives away from the trailer without disconnecting the air lines. In that case the air lines always will hit the trailer instead of the cabin.

Detachable spiral hoses, double line (red and yellow), Glad Hands/Glad Hands

Hose's minimum length is 0.7 m and maximum length is 4.5 m.

Detachable spiral hoses, Duomatic / Glad Hands

Hose's minimum length is 0.7 m and maximum length is 4.5 m.

Duomatic connection on cabin rear wall

Duomatic connection on arm at cabin roof level (only with DSD cabin)

Std. Trailer connections with DSD-cabin

Air pressure horn

Two additional 30 litres air tanks

Two shut-off valves (red and yellow) for trailer connections

Hydraulic oil heater, 230 V

Trailer spiral cable, 7-pole, 24 v

Extra working light LED on cabin roof, rearward, on driver side rear corner of cabin roof

Extra working light LED on the rear corner of the cabin roof (1 pcs) at the drivers side, facing rearwards. Extra working LED light, which can be directed also sideways. Switch in the cabin.

Extra working light LED on cabin roof, rearward, on engine side rear corner of cabin roof

Extra working light LED on the rear corner of the cabin roof (1 pcs) at the engine side, facing rearwards. Extra working LED light, which can be directed also sideways. Switch in the cabin.

Extra working lights LED on cabin roof (2 pcs), forward, on both front corners of cabin roof

Extra working lights LED on cabin roof (2 pcs), forward, on both corners of cabin. Extra working LED lights. Lights can be directed also sideways. Switch in the cabin.

Automatic driving light function

In this option, headlights are ON though the headlight switch is OFF (Position 0), but the high beams cannot be used. Only if the headlight switch is ON (Position 2), the high beams can be used continuously. The parking lights work normally (Position 1). The parking and headlights switch is located on the side instrument panel.

License plate holder+light, at rear bumper

NATO cable, 12/24 V

Nato socket 12V for external power source

Nato socket 24V for external power source

Emergency stop for engine outside of cabin

Additional tail, brake and blinker lights LED on chassis behind cabin

Additional tail, brake and blinker lights LED on cabin roof

Lights and Reflectors for Swedish Road Registration

Yellow safety striping on chassis**Standard Cabin Colour RAL3000 (Kalmar Red)****Standard Chassis Colour RAL7021 (Kalmar Black)****Paint:**

Standard Cabin Color: RAL3000 (Kalmar red)

Standard Chassis Color RAL7021 (Kalmar Black), powder-coated on all surfaces

Safety yellow Platform, steps and grab handles

Manuals:

Operators manual (EU local language)

Maintenance manual (English)

Spare parts manual (English)

Kalmar Insight Hardware Preparation

This machine will be equipped with Kalmar Insight Hardware preparation to provide information about your operation and give valuable insights into a number of Key Performance Indicators, such as fuel consumption.

Kalmar Insight Software License - 1 year

Kalmar Insight is an online platform to acquire valuable insights in your operation, by monitoring and making data available for you e.g. fuel consumption per km or mile

Summary - Product Name

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Outside mirrors, electrically heated and adjusted

MIRROR,INSIDE,FRONT

MIRROR

Extra Electric Heated Mirror on Right Side

Stereo radio/CD/USB MP3/DAB+/Bluetooth (24V)

Pneumatically operated sliding rear door

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Cabin heater, electric, 230 V incl. Socket

Cabin Pause Heater

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