

# KENWORTH 963 FAMILY

## Heavy Duty 6 x 6 Oilfield Truck



**KENWORTH**

A DIVISION OF **PACCAR**

The Kenworth 963 family is engineered to handle difficult grades and demanding terrain with extreme payloads. The 963's are equipped with planetary reduction axles which have proved to be superior in navigating difficult terrain. Special sand tires arranged in a single configuration on the rear (4 in place of 8) provide additional floatation. The configuration results in very low ground pressure despite extreme payloads. The 963 offers a 30,000 lb. (13,607 kg) front axle and 90,000 lb. (40,823 kg) rear axle, while the Super 963 offers a 40,000 lb. (18,144 kg) front axle and 120,000 lb. (54,480 kg) rear axle. Stacked frame rails, the bottom of which is inserted for extra strength, enhance the 963's suitability for use as an oilfield truck when outfitted with winches and an oilfield body. For heavy-duty oilfield applications and other off-highway hauling in extreme desert terrain, the Kenworth 963 family is the ultimate range of trucks.

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## **Safety Features**

- Exhaust located on side of cab behind doors
- Steering geometry provides less steering effort and reduced road inputs
- Sloped hood – 3 degree slope (hood is sloped 7 inches (178 mm) from the firewall to the V front) for enhanced driver visibility
- Complex reflector 7-inch (178 mm) round headlamps with replaceable bulbs and glass covers for improved durability
- 2 Trucklite fog lights
- 2 Trucklite road lights (hi-beam lights)
- Kenworth Daylite doors – better visibility to mirrors and side-of-cab area
- Peeper window in right hand door – roadside visibility for driver
- Larger 17 x 36-inch (432 mm x 915 mm) rear window with cab corner windows – improves rearward visibility
- 13-foot (3,962 mm) width rearview mirror brackets and 9-inch (228 mm) convex mirrors
- Rearview mirrors are 4-way electrically controlled from the cab interior
- Fiberglass outside visor
- Dual electric horns located under hood
- 2 back up lights
- 2 factory wired floodlight switches for body lighting
- Single Exterior Spotlight above the driver door
- Non-skid paint on steel fenders

## **Ergonomic Features**

- Cab access grabhandles located for easy reach
- Kenworth air conditioning system
- Cab well insulated for noise attenuation and thermal isolation
- Quiet cab package further reduces interior noise by 2-5 dBA
- Aerodynamic, modern cab – more spacious with improved quality
- Electric door locks
- Power window lift on RH side
- Extended daycab for improved seat positioning, enhanced storage space and deeper seat recline position.
- Interior cab lighting — two narrow-angle lights, two wide angle lights and one general purpose light in center of cab.
- Map pockets in the doors
- 2 cup holders
- 2 12-volt outlets in cab
- Single Ash tray

## **Performance Features**

- Cab temperature controlled by routing transmission hydraulics outside cab
- A/C condenser mounted to radiator
- PTO controls integral with the transmission
- Dual exhaust stacks replacing single stack
- Cummins ISX – higher torque than previous 953
- High capacity air cleaner – from 14 to 16 inches (356 to 406 mm) - for more efficient particle removal
- Multiplex electrical system, common with other Kenworth models
- Modern engine cooling technology with crossflow air-to-air and single, high-efficiency radiator
- CTIS with high-capacity compressor
- Davco fuel filter, replacing Luberfiner – high filtering capacity and sediment containment
- 16 ft (4,877 mm) air and light lines
- Two spare switches with hot wiring
- Fire extinguisher outboard of the driver seat, 5-lb. (2.27 kg) capacity
- Non-slotted crossmembers for frame rigidity
- Frame inserts located from bumper to end-of-frame (used to start at 4' (1,219 mm) behind bumper)

## **Operational Features**

- A/C condenser mounted to radiator
- Traditional 953 “V” hood appearance retained
- Hood mounting separate from the cab
- Door seal is located on the door providing longer-life seal from sand and elements
- Rotating beacon lamps standard replacing strobe lights for easier servicing
- Stacked frame rails provide improved durability for oilfield bodies
- Complex reflector 7-inch (178 mm) round headlamps with replaceable bulbs and glass covers for improved durability
- 2-piece curved windscreen for enhanced visibility
- Light-weight and high-strength steel toolbox and battery boxes with light-weight, ergonomic aluminum covers
- Marker lights on cab roof
- Nylon air tubing on chassis and cab

# Kenworth 963 Family Specifications

## ENGINE AND ENGINE EQUIPMENT

Cummins ISX engine  
Dual 16 in (406 mm) Donalclone SBG air cleaners  
1800 sq in (11,612 sq. cm) frontal area radiator

## MAIN TRANSMISSION

Clark (Dana) Powershift 7-speed transmission with PTO  
Heavy duty drivelines

## FRONT AXLE & EQUIPMENT

Front drive-steer planetary axle with slipper spring suspension  
Dual power steering with cooler and 9 qt (2.25 L) reservoir

## REAR AXLE & EQUIPMENT

Rear tandem wide track planetary axle  
Rear axle ratio: 15.27  
Kenworth heavy duty walking beam suspension with 75" (1,905 mm) axle spacing

## TIRES & RIMS

21R25 (963) or 29.5R25 (Super 963) with compatible wheels or rims depending on application.

## FRAME & EQUIPMENT

11-5/8 x 3/8 in. (295 mm x 9.5 mm) heat-treated high strength main rails with full insert  
10-5/8 x 5/16 in. (270 mm x 8 mm) heat-treated high strength top rails  
Steel tubular oilfield bumper with center-mounted tow pin  
Steel battery and tool boxes with diamond plate covers

## FUEL SYSTEM

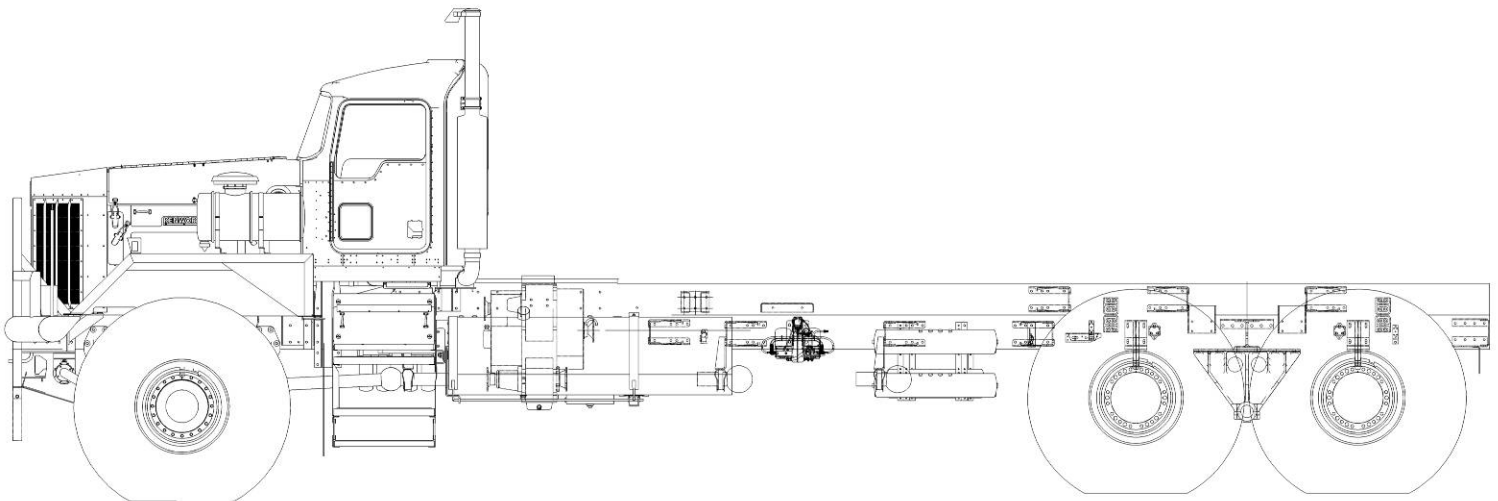
Two 275 Gal. (397 L) steel fuel tanks

## CAB & EQUIPMENT

Extended Daycab  
Heater/air conditioner  
Kenworth Air-Cushion Plus driver and passenger seats

## MISCELLANEOUS EQUIPMENT

Export Severe Service package  
Adjustable tilt/telescoping steering column  
Motorized mirrors w/ 13 ft (3,962 mm) span  
Quiet Cab package



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