

TA40 K800 Tier II WATER TRUCK

160 N. CACTUS AVE.
 RIALTO, CA 92376
 (909) 874-9101



SPECIFICATIONS

ENGINE

Make/ Model: Detroit Diesel Series 60

Type: Four cycle diesel, water cooled, turbocharged with air-to-air cooling, water cooled. Electronic management

Piston Displacement: 774 in³ (12.7L)

Bore x Stroke: 130 x 160 mm (5.12 x 6.30 in.)

Gross Power at 2,200 rpm...332 kW (445 hp, 451 PS)

Net Power at 2,200 rpm 291 kW (390 hp, 395 PS)

Maximum Torque: 2,000 Nm (1,475 lbf ft)

24 volt electric start. 70A alternator. Two 12 volt 175 Ah batteries. Dry-type air cleaner with safety element, automatic dust ejector and restriction indicator.

Note: Net power is after deductions for alternator. Engine emissions meet Tier II USA EPA/CARB MOH 40 CFR 89 and EU NRMM directive.

TRANSMISSION

ZF 6WG 310 Automatic with manual override. The transmission consists of a torque converter close-coupled to a 6 speed gearbox with integral output transfer gearing. Automatic shifting throughout the range, with kickdown feature. Lockup in all forward gears. A torque-proportioning output differential transmits drive permanently to front and rear axles. This differential may be locked by the driver for use in difficult traction conditions Integral hydraulic retarder.

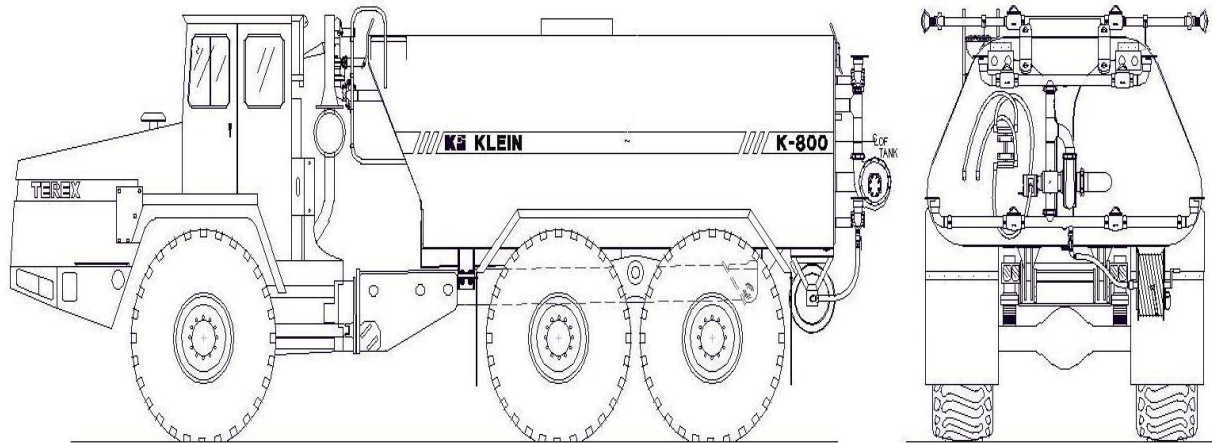
Forward

Gear	1	2	3	4	5	6
mph	3.7	5.8	9.1	14.1	20.7	32.1
Km/h	6.0	9.3	14.6	22.7	33.3	51.7

Reverse

Gear	1	2	3
mph	3.7	9.1	20.7
Km/h	6.0	14.6	33.3

WATER TRUCK
K800



K800 (8,000 gallon) TRAP tank. Engineered with lower center of gravity and increased visibility for safer operating. Designed for TEREX TA40 articulated truck chassis.

TANK FEATURES INCLUDE:

- Tank assembly features the new TRAP shape design. Trapezoid tank shape and sump design provides a tank with a lower center of gravity for safer distribution of weight of material in the tank.
- Constructed of minimum A36 mild steel plate 3/16" minimum thickness.
- Flanged bulkheads welded 100% inside and outside for superior tank strength.
- PFC baffling provides three transverse baffles and two rows of full height longitudinal baffles throughout the tank to divide the tank into 12 compartments. To safely, accurately and consistently control the flow surge of material in tank. Keeps center of gravity at lowest possible point.
- Foot valve in sump provides positive pump prime and prevents damaging solids from entering pump.
- Rear mounted 3" hydrant fill pipe positioned 48" from ground w/ male cam-lock connection and anti-siphon break at top rear of tank.
- 4" drain plug located in bottom rear floor of tank.
- 30" manhole for inspection and filling purposes, galvanized trash screen included.
- Fender and mud flaps. Tank integrated style
- Interior coated with rust resistant Plexiblack
- Exterior of tank primed, and painted New Terex white
- Light Group. Stop, tail, running.
- Klein KP6H510.5 hi volume pump w/ hydraulic centrifugal pump for operating all spray functions matched to existing hydraulics on truck.
- Rear tank spray bar with four (4) fully adjustable hydraulic actuated side sprays, individual cab mounted air-actuated controls.
- Left and right side jet, long-range adjustable hydraulic actuated side sprays, individual cab mounted air-actuated controls.
- Remote controlled turret monitor. Electric over hydraulic actuated tank bulkhead mounted. Control panel included joy stick operator.

APPROXIMATE DIMENSIONS (Truck with Tank)

- 143" W x 37" L x 12" H
- Center Pin to Rear 23" L
- Center Rear Axle to Rear 7" L

Standard Equipment

CAB

Air conditioner R134A 27,300 BTU/hr (8 kW)
 Cigar lighter, 24V
 Engine diagnostic facility
 Heater and de-mister 32,400 BTU /hr (9.5 kW)
 Inspection lamp socket, 24V
 Insulation, thermal and acoustic
 Interior light
 Mirrors, rear view (6)
 Mug holder
 Radio/cassette player
 Seat, passenger ROPS/FOPS protection (ISO 3471/3449, SAE J1040, Apr 88/SAE J231)
 Seat belts, retractable (SAE J 386)
 Seat, operator, air suspension
 High back, headrest, adjustable arm rests
 Seat, passenger
 Storage compartment
 Sun blind
 Sun visor (external)
 Tinted glass
 Transmission visual display unit
 Window protection grille, rear
 Wiper and washer, front and rear windows

GAUGES

Fuel level
 Speedometer / odometer
 Tachometer w/ hourmeter
 Transmission temperature

INDICATOR LIGHTS

Headlight high beam
 Turn signals
 Retarder

WARNING LIGHTS

Body up
 Brake pressure-front & rear
 Engine check
 Engine ♂Stopö
 Coolant level
 Diff. locks ♂Onö
 Parking brake ♂Onö
 Secondary steering
 Transmission ♂stopö
 Warning lights test button
 Audible warning of low brake pressure

GENERAL

Air filter, dual element with Restriction indicator
 Articulation locking bar
 Battery master switch
 Body prop
 Diagnostic test points
 Engine underguard, hinged
 Fan, modulating
 Horn, electronic
 Mudflaps front
 Rear light guards
 Neutral start interlock
 Reverse alarm, audible J994
 Tow points, front and rear
 Tire inflation, nitrogen (6 tires)
 Engine hood, hinged
 Exhaust muffler
 Hydraulic filter restriction Indicator
 Hydraulic oil cooler
 Hydraulic retarder
 Rear light guards
 Security kit

LIGHTS

High level working lamps
 Headlamps, 4, halogen side, tail, stop, reverse.
 Hazard warning lights
 Direction indicators

Optional Equipment

BODY OPTIONS

Exhaust heating
 Liner plates
 Side extensions
 Spillguard extension
 Tailgateö scissor chain operated
 Tailgate-underhinged

LIGHTS

Beacon, flashing
 Fog, rear
 Reverse, flashing
 Working, rear facing

OPTIONAL (cont'd)

Auto lube system
 Fire extinguisher
 Headlamp guards, hinged
 Jake brake
 Mirror, front mounted
 Mud flaps, in front of leading rear wheels
 Tachograph
 TV monitor, rear view
 Tool kit, hand

Weights

NET DISTRIBUTION

Front axle	33,675 lbs (15,275 kg)
Bogie axle, leading	17,085 lbs (7,750 kg)
Bogie axle, trailing	16,985 lbs (7,705 kg)
Vehicle net	67,745 lbs (30,730 kg)
Payload	80,470 lbs (36,500 kg)

GROSS DISTRIBUTION

Front axle	44,465 lbs (20,170 kg)
Bogie axle, leading	51,875 lbs (23,530 kg)
Bogie axle, trailing	51,875 lbs (23,530 kg)
Vehicle, Gross	148,215 lbs (67,230 kg)
Hoists, pair	1,455 lbs (660 kg)