BULLETIN NO. 1013-5665

WATER TRUCK

MODEL P1-WATER

8 640 L • 1 900 Imp.gal water tank capacity

FEATURES

- 8 638 L (1 900 Imp. gal) reinforced water tank made from alloy steel with thick reinforcement angles on 4 corners
- Inside tank sand blasted with protective coating inter seal epoxy inside the tank, access holes for cleaning, 2 vertical spray nozzles on each side and 2 horizontal spray nozzles
- Optional DUX "Soft Ride" suspension system
- Spacious operator compartment located behind the front wheels with operator facing forward, operator can safely control and monitor machine functions at a glance
- Centralized service points and modular design for easy service access and fast component exchange
- Excellent service and parts back-up worldwide

WEIGHTS

Payload	8.6 tonne	9.4 ton
Machine weight, approx.	13.6 tonne	14.9 ton
GVW	22.2 tonne	24.3 ton

VOLUME

Water carry capacity (100% fill) ..... 8 640 L...1 900 Imp. gal

OVERALL DIMENSIONS

Length	7 720 mm	25' 4"
Width	2 160 mm	7' 1"
Height over FOPS/ROPS canopy	2 085 mm	6' 10"

TURNING RADIUS

Inside	4 800 mm	15' 9"
Outside	7 190 mm	23' 7"
Angle	41°	

Printed in Canada

DUX Model P1-Water Truck

TECHNICAL SPECIFICATIONS*

Engine

Make and model ..... Cummins QSB 4.5 with Electronic
..... Management System
Derated power ..... 110 kW (148 HP) @ 2300 RPM
Cylinders 4
Aspiration ..... Turbocharged and charge air cooled
Displacement ..... 4.5 L ..... 275 in^3
Starter 24-volt
Air intake cleaner ..... Donaldson 2-stage dry type with service gauge
Exhaust system..... Catalytic purifier with integrated silencer
Cooling ..... Liquid
Emission standard ..... Meets EPA Tier 3, Euro Stage IIIA

Transmission with Integrated Torque Converter

Make and model ..... Dana SOH HR24000 series with integrated
..... torque converter and flex plate drive
Speeds ..... 3 in forward and in reverse

Axles

Make and model ..... Dana SOH 176 planetary with internal multiple
..... wet-type 4-wheel disc brakes

Tires

- Bridgestone 12.00R24, 3 star, VSL 317, E-4, V-steel LUG tube type

Brakes

Service ..... 4-wheel power multi-internal wet disc, dual
..... hydraulic power control with accumulator back-up
Emergency/parking ..... Fail-safe back-up Spring Applied Hydraulic
..... Released (SAHR) multi-internal wet 4 wheel brakes
Automatic Brake ..... Applies brake in case of engine failure or
Applicator (ABA)..... pressure drop in torque converter

Steering

- Articulated frame hydraulic power steering
- Orbitrol valve-type with steering wheel and cushion valve
- Double acting steering cylinders (2)
- $\pm$ 41° steering angle each way for a total of 82°

Oscillation

- $\pm$10° center of oscillation for a total of 20°
- Large sized, heavy-duty roller bearing for minimum maintenance and a smooth ride, 4-wheel ground contact guaranteed

Frames and Pins

- Articulated heavy-duty frames made to withstand the high impact and torsional stress associated with mining application
- Frames come with 5 year unlimited hour guarantee
- Large high tensile alloy steel pins in replaceable anchor bushings

Operator Compartment

- Located behind the front wheels with operator facing forward
- Heavy-duty adjustable suspension seat with arm rests and seat belt
- Shock mounted compartment floor for maximum comfort
- All controls and gauges are within easy reach and view of operator

Hydraulic System

- Heavy-duty double acting protected steering cylinders (2) with hard chrome plated stems
- Heavy-duty PTO driven load sensing piston pump
- Suction filter
- Inline high pressure filter with service gauge
- ¾" inside diameter and over hoses that are four-spiral wire braid and have crimped hose end swivel fittings
- Hose bulk-head located mid-ship

Tank Capacities

Fuel ..... 170 L ..... 45 US gallons
Hydraulic oil ..... 170 L ..... 45 US gallons

Electrical System

- 24-volt negative ground
- 70 amp alternator with integrated sealed voltage regulator
- Main electric cut-off switch
- Heat resistant, waterproof, sealed electric PMA wire harness
- Sealed junction box and stainless steel instrument panel box with multi-stem connectors
- Semi-automatic circuit breakers
- Front (2), rear (2), and all-directional (2) LED high-intensity lights
- Heavy-duty batteries (2)
- Signal horn
- Audible, adjustable back-up alarm

Water Tank Module

- 8640 L (1900 Imp.gal) water tank made from thick alloy steel, reinforced
- Reinforcement angles on 4 corners
- 406 mm (16-inch) dia. vented manhole (top)
- Baffles (2), access holes for cleaning (2)
- Mounting angles, steel bumper
- Front lifting shackles (2), rear guiding shackle (1)
- Inside tank sand blasted with protective coating inter seal epoxy inside the tank
- 9 m (30-ft) long x 25 mm (1-inch) fire hose hanging on front of the tank

Standard Features

Cummins QSB 4.5, EPA Tier 3, Euro Stage IIIA electronic engine • PRAN display monitor includes digital fuel gauge • Automatic engine shut-off at low oil pressure and high temperature • Hourmeter • All necessary gauges for engine, converter and brake pressure not covered by PRAN electronic display module • Wheel chocks (2) with storage brackets (2) • Neutral engine start protection • Centralized manual lubrication manifold mid-ship • Triangular rear reflectors (2) • 9 kg (20 lb) hand-held fire extinguisher • Parts/Operator/Maintenance Manuals • Compliant with MSHA, CANMET and CE regulation

Options

Different engine • Certified FOPS/ROPS canopy • DUX "Soft Ride" 4-wheel or 2-wheel suspension system• Automatic lubrication system • Fire suppression system • Spare rim assembly • Intec video system • OTHER OPTIONS ON REQUEST

Manufactured by:

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* Specifications subject to change without notice.