

Hydratrek, Inc.

1211 Hope St.
Covington, TN 38019
USA



XAB66 MULTI-PURPOSE RESCUE VEHICLE



I. GENERAL SPECIFICATIONS:

Type of vehicle: Multi-purpose rescue vehicle, can be operated in land and water surface.

Overall dimensions: 4,267 x 1,854 x 2,388 mm (Length x Width x Height).

Ground clearance (at center): 406 mm.

Climbing ability: 35° at dry soil.

Number of seats: 9.

Fuel tank capacity: 13 gallons.

Continuous operation time: Approximately 10 hours.

Max speed on land: 25.7 km/h.

Max speed on water surface: 7.2 km/h.

Can be operated at:

- 12.8 km/h flowing water.
- Muddy condition with mud thickness 400 mm.
- Hurricane-force wind up to 12th level of Beaufort scale.

Payload capacity: 726 kg on land, 544 kg on water surface.

Dry weight: 1,816 kg.

Towing capacity: 2,270 kg.

Ground pressure: 0.31 bar unloaded, 0.365 bar full load.

Submergence level: Approximately 790 mm (at 544 kg loaded condition).

Full roll over protection system.

Winch system at the front of vehicle.

Foam filled pontoons and undercarriage.

Front grab bar integrated to support users.

All components of the vehicle fully comply with Marine Grade.

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II. COMPONENTS SPECIFICATIONS:

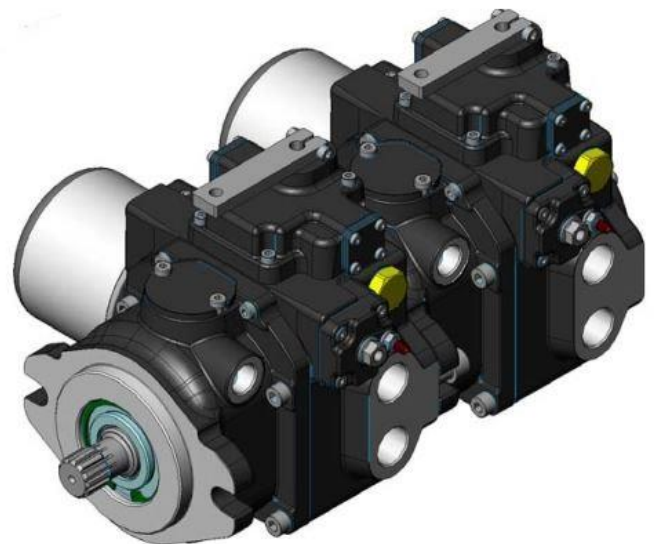
1. Main engine

Model: Kubota V2403-M-T-E3B.
Type: Vertical 4 cycles, liquid cooled Diesel.
Output power: 59 HP.
Emission regulation: Interim TIER 4 / Stage III A.
Number of cylinders: 4.
Intake system: Turbocharged.
Combustion system: IDI.
Max speed: 2,700 rpm.
Direction of rotation: CCW viewed on flywheel.
Alternator capacity: 12 V – 90 A.



2. Hydraulic pump

Model: Hansa TPV 3200
Quantity: 02 pcs (tandem).
Viscosity range at operating temperature:
15÷60 cSt.
Max viscosity for short periods: 800 cSt.
Min viscosity for short periods: 10÷15 cSt.
Hydraulic oil operating temperature: -25°C ÷ +80°C.
Hydraulic oil filter: 22 micron absolute grade.
Max permissible continuous pressure on
pressure ports of main pump: 250 bar.
Peak pressure of main pump: 350 bar.
Nominal pressure of charge pump: 10 ÷ 20 bar.
Max admissible pressure of charge pump: 35 bar.
Seal standard: NBR.
Flow rating (for each pump): 100.8 l/min.
Power rating (for each pump): 42 kW.
Fluid contamination: ISO 4406-1999
Mass (tandem): 45 kg.
Meet the ISO 9001:2015 and ISO 14001:2015
certificates.



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3. Driven system

Direct drive, closed loop hydrostatic.

4. Water propulsion

- Hydraulically driven.
- Dual bronze propeller.
- Propeller diameter: 11 inches.



5. Operation modes

Tri-modes drive: Wheels only, propellers only, and propellers & wheels combination.

6. Electrical system

- Alternator:
 - + Voltage: 12 V.
 - + Amperage: 90 A.
- Battery:
 - + Model: Optima Bluetop.
 - + Cold cranking amps: 1,000 A.
 - + Suitable for starting application.
 - + More than 15 times the vibration resistance.
 - + Spill-proof.
 - + Mountable in virtually any position.
 - + Maintenance-free.



7. Brake system

Hydraulic parking brake.

8. Body construction

Aluminum alloy.

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9. Bilge pump

- Manufacture: SPXFLOW
- Pump model: 2200 12V
- Pumping capacity: 138 l/min.
- Meet the ISO 8849 Marine and CE standard.
- Liquid cooled for extended motor life.
- Heavy duty, 12-pole double ball bearing motor.
- Easily interchangeable with most similar bilge pumps.



10. Hydraulic oil cooler system

- Dual fan cooling system.
- Flow rate: 104 m³/min.

11. Wheels system

- Manufacture: ITP.
- Model: Mud Lite XL.
- Use 6 “all terrain” wheels (3 wheels for each side).
- Each wheel is controlled by a hydraulic motor.



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12. Winch system

- Manufacture: Rough Country.
- Easy bolt-on installation.
- IP67 waterproof and dustproof rating.
- Powerful 6 HP motor.
- Includes 4-ways roller fairlead.
- Rated line pull: 5,440 kg.
- Steel cable length: 28.6 m.



13. LED light bar

- Standard 40" LED light bar.
- Night operations.
- Addition LED light bars available.

