

Wox Agri Services Ltd
Stannington
Morpeth
Northumberland
NE61 6NQ

Data Sheet



Wox Invader Pump

1. Volvo TAD 873VE 235KW/320 HP with full SCR AdBlue Tier 4 compliance.
2. Hydraulically operated dry disc clutch with coupling to engine SAE 1 flange, including torsional coupling.
3. Multi-flex shear coupling to connect clutch to pump - fully enclosed.
4. Cornell 4187T-F18DBK R-D pump complete with Run Dry cyclo seal, standard cast iron impeller, and wear rings.
5. Lowbed fully integrated trailer with commercial axles and suspension on 435-50-19" new wheels and tyres, complete with air brakes, full LED road lighting, and extended drawbar.
 - Stowage areas under the floor and above for spare wheel, oil drums, etc.
 - Access steps.
 - Suction hose rack including three suction pipes.
 - Grab handles.
 - Clean water tank for hydraulically driven pressure washer - 250L.
 - Hydraulic power pack and control with variable displacement pump along with engine-mounted oil cooler
6. Hydraulic oil capacity of 900L, including return, inline, and moisture filtration, baffled as required. Service point for filter/oil removal/exchange.
 - Drain point.
7. Hydraulic power pack and control with variable displacement pump, along with engine mounted oil cooler.

8. Fuel capacity of 1500L with additional inline filtration to engine, baffled, double-skinned with drain point and locking fuel caps, complete with 3" filler point.

- Auxiliary connection for fuel pump.
- Connection for 12-volt pump for refueling other equipment.
- Lockable AdBlue tank to cover diesel usage, insulated for weather elements (frost).

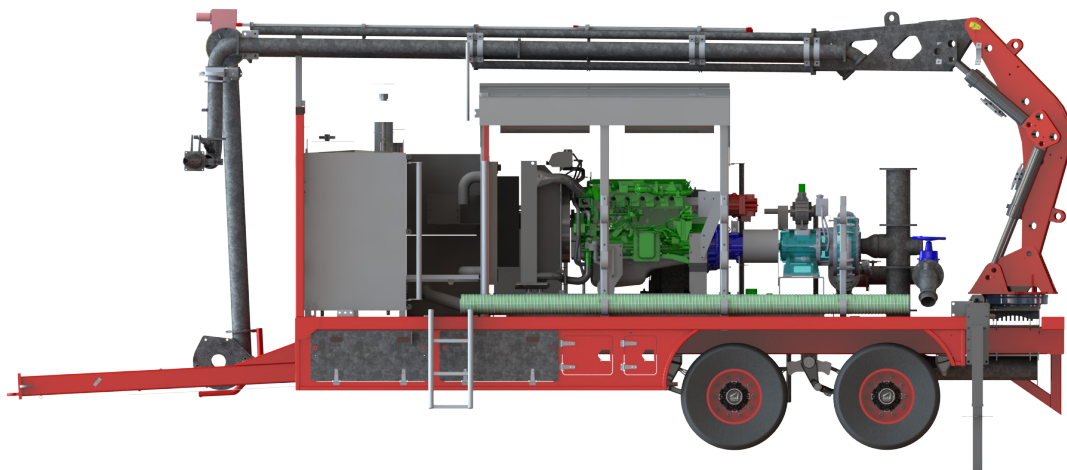
9. Hydraulic primer pump for use when not using the hydraulic charge pump, integrated into the hydraulic system along with kettle and siphon, non-return valves, and pipework as required.

10. Wox Pump Arm complete with full slewing facility, fully integrated support legs, 12m reach, rotating knuckle joint, and integrated charge pump with the facility to add a suction pipe.

- Fully foldable for transport stowage within the length of the trailer.
- The modular design allows the length of component parts to be changed and altered depending on requirements.
- Fully integrated, hydraulically adjustable jetter kit to allow mixing and homogenizing of lagoons as required.

11. Fully integrated 325-400 CFM hydraulically driven compressor at 4-8 BAR (adjustable) with 2½" hard fixed pipework to output pipework along with a cooling pack to the front engine radiator.

- Gauges and control off the main panel, electric non-return valves fitted to protect the compressor.
- Control of the compressor also integrated into the remote control.
- Airline connection for wheels and tires.



12. Pump output pipework to include the following:

- Krohne 6" flowmeter.
- Pneumatically controlled pipework, controlled remotely with telematics, manual override included. Features allow 'straight through' or 'return to tank/jetter' facility.
- Pig/Sponge ball launching facility.
- All gate valves are pneumatically controlled PN16 – 16 BAR working pressure.
- Pump protection for blowback - non-return (compressor).
- Pressure gauge fitment points for both electrical and mechanical gauges, as required on output pipework.

13. Full internet-based remote control telemetry along with:

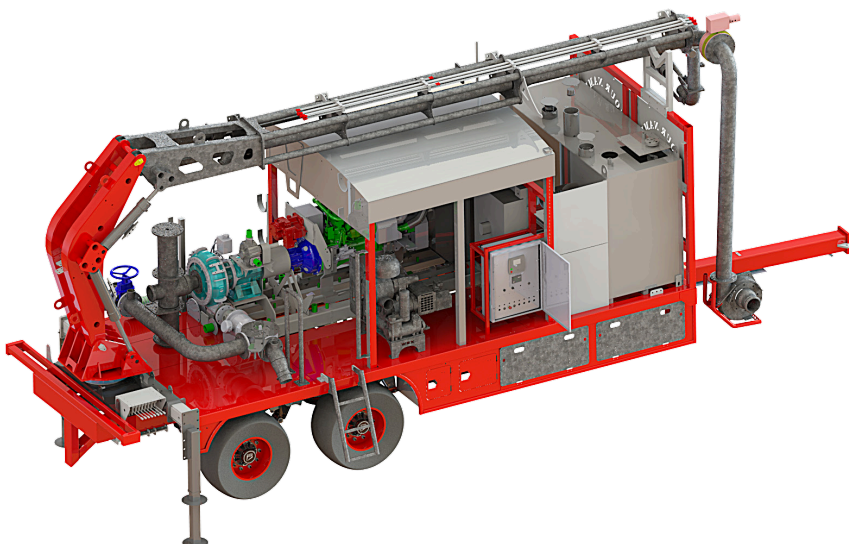
- Engine start/stop with full throttle control, display of warnings including engine oil pressure, water temperature, and fuel consumption in litres/hour, total fuel usage relevant to output/work done.
- Hydraulic charge pump control with variable rate to feed the main pump to maximize efficiency.
- Main clutch engagement/disengagement - remote or manual. Pneumatically controlled return to tank for the liquid to be diverted to mixing and homogenizing whilst not pumping.
- Fluid management fully visible at all times for diesel and hydraulic oil with pre-warning for low fluid levels, and for additional safety, automatic cut-out along with manual override and kill switches.

14. Protective canopy for engine along with LED work lights on the trailer.

15. Engine cover with fully lockable roller access doors.

16. Paint finish in RAL3020 pillar box red, with ancillaries in black and original color, along with galvanized fixtures and fittings.

Wox Invader Pump unit complete with Wox Pump arm option (excl. VAT):



Watch the
Pump in
ACTION!