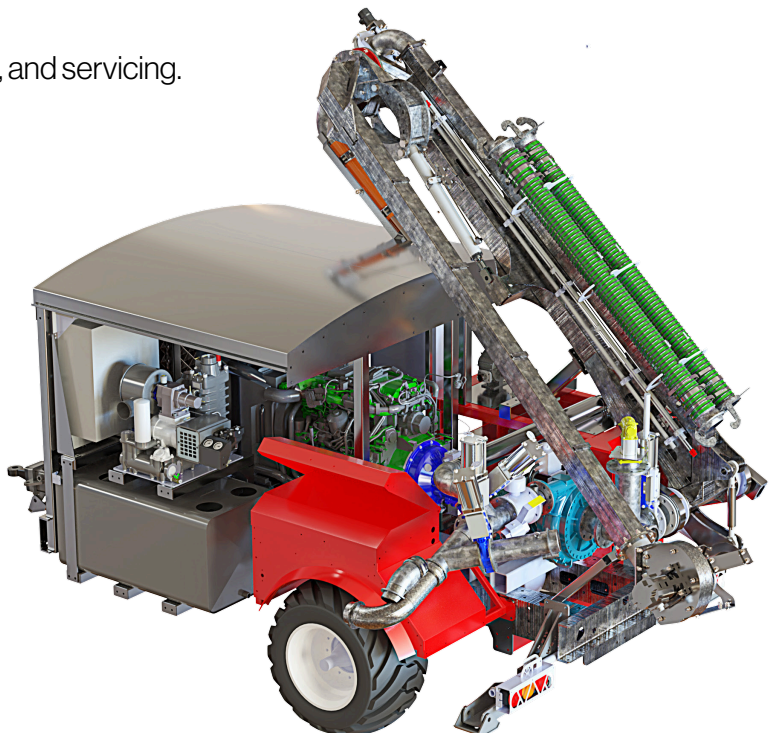


Wox Agri Services Ltd  
Stannington  
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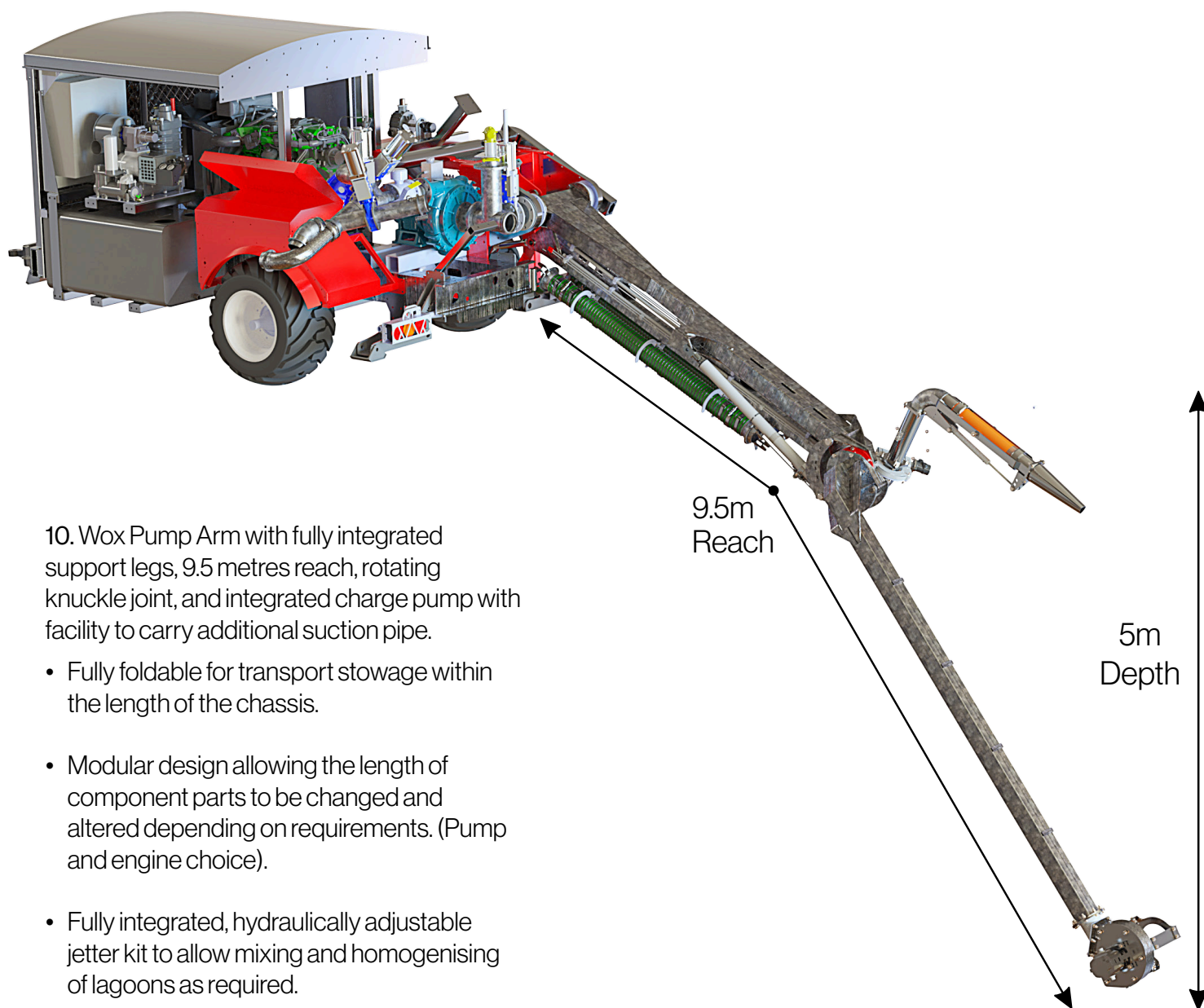
Data Sheet

## **Walrus Engine Driven Pump**

1. Volvo TAD580-83VE, 175 kW/234 HP with full SCR AdBlue, Tier 4 compliant.
2. Hydraulic disc clutch with coupling to engine SAE 1 flange, including torsional coupling.
3. Multi-flex coupling to connect clutch to pump - fully enclosed.
4. Pump options: Bauer, Doda, Cornell.
5. Single axle modular chassis with 560/45 R22.5 wheels and tires, complete with air brakes, full road lighting, fully extendable adjustable drawbar, and tractor-fed hydraulic jack for flexible deployment.
6. Hydraulic power pack, with variable displacement pump and engine-mounted oil cooler.
7. Hydraulic oil capacity of approximately 800 litres, including return, in-line, and moisture filtration, baffled as required.
  - Service point for filter and oil removal, exchange, and servicing.
  - Drain point.
8. Fuel capacity of 900 litres with additional inline filtration to engine, baffled, with drain point and locking fuel caps.  
Complete with 3" filler point and electronic fuel gauge.
  - Auxiliary connection for additional fuel pump.
  - Connection for 12-volt pump for refuelling other equipment.
  - Lockable AdBlue tank to and cover for diesel usage, insulated for weather elements (e.g., 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. (This allows for priming beyond the 9.5 metre reach of the arm).

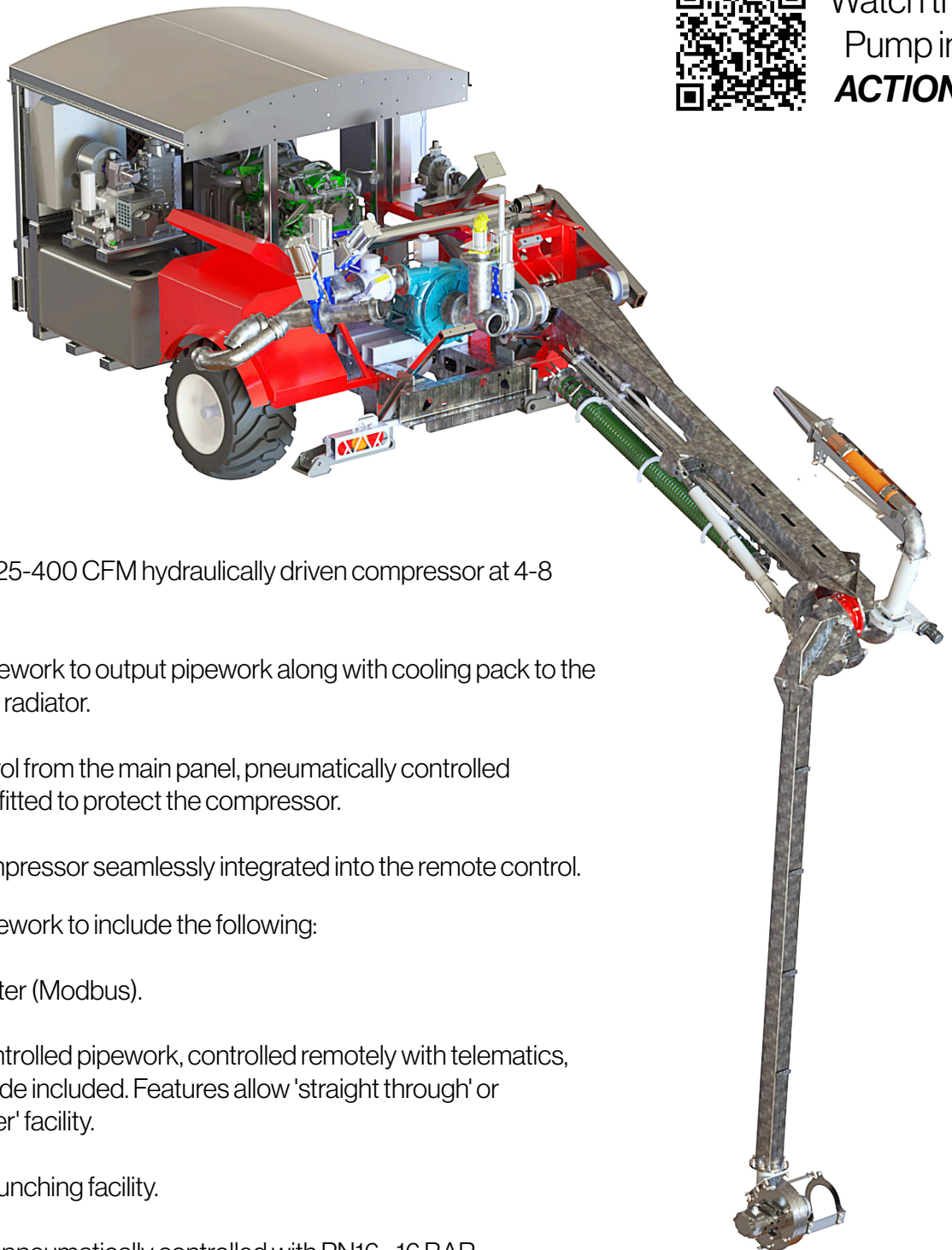


10. Wox Pump Arm with fully integrated support legs, 9.5 metres reach, rotating knuckle joint, and integrated charge pump with facility to carry additional suction pipe.

- Fully foldable for transport stowage within the length of the chassis.
- Modular design allowing the length of component parts to be changed and altered depending on requirements. (Pump and engine choice).
- Fully integrated, hydraulically adjustable jetter kit to allow mixing and homogenising of lagoons as required.



Watch the  
Pump in  
**ACTION!**



11. Fully integrated 325-400 CFM hydraulically driven compressor at 4-8 BAR (adjustable).

- 2½" hard fixed pipework to output pipework along with cooling pack to the front of the engine radiator.
- Gauges and control from the main panel, pneumatically controlled non-return valves fitted to protect the compressor.
- Control of the compressor seamlessly integrated into the remote control.

12. Pump output pipework to include the following:

- Krohne 6" flowmeter (Modbus).
- Pneumatically controlled pipework, controlled remotely with telematics, with manual override included. Features allow 'straight through' or 'return to tank/jetter' facility.
- Pig/sponge ball launching facility.
- All gate valves are pneumatically controlled with 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 for maintenance and service.

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, engine load, fuel consumption in litres/hour, total fuel usage, and relevant output/work totals achieved.
- 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 back to tank for the liquid to be diverted to mixing and homogenizing while not pumping.
- Electric output pressure gauge allowing monitoring of the volume of material being pumped, linked to the Krohne flow meter.
- Complete remote control of the air compressor for blowing out pipework while changing fields or clearing up.
- Fluid management is fully visible at all times for diesel and hydraulic oil with pre-warning of 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 trailer.

- Rear drawbar for 3.5 tonne trailer.

15. Paint finish in RAL3020 pillar box red, with ancillaries in black and original colour, along with galvanised fixtures and fittings.

Wox Walrus Engine Driven Pump Unit c/w Wox Pump Arm & Cornell 4517MP white iron pump:

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