



WPU 1100 Well-Service Pump Unit



WPU 1100 well-service pump unit

Onsite Treatment Technologies AS is a complete supplier of high-pressure pumping equipment for off-shore well-intervention and well-pumping operations. OTT has the know-how and expertise in automation, diesel/electric-powered equipment, and hydraulic/pneumatic systems. OTT equipment is designed, manufactured, and certified in compliance with the most stringent quality standards, and all equipment is supplied with complete documentation packages.

Weights and dimensions:

	Engine container	Pump container
• Weight:	18 300 kg	9 800 kg
• Rating:	20 000 kg	13 000 kg
• Length:	6 396 mm	3 048 mm
• Width:	2 438 mm	2 438 mm
• Height:	3 050 mm	3 050 mm

Interfaces:

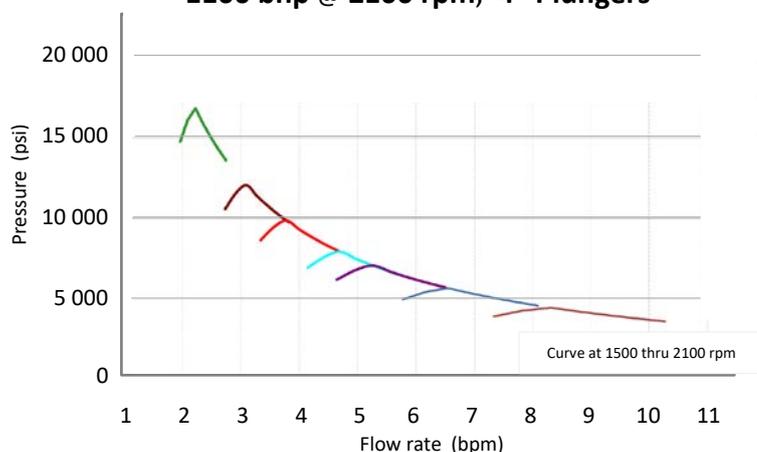
- Rig air-supply pressure: 5 - 8 bar
- Power-supply voltage: Multi-voltage: 110 - 240 V AC
- Power consumption: 600 W
- Discharge connection: 3" fig. 1502 Weco® union
- Suction connection: 4" fig. 206 Weco® union

Technical data:

- Engine rating: CAT C32, 1100 bhp @ 2100 rpm (de-rated from 1450 bhp)
- Transmission: Allison S9806M
- Triplex fluid end: GD 4" / 4" plunger (other options available)
- Triplex power end: GD 2250, 8" stroke, gear ratio 6.353:1
- Max. working press.: 16 800 psi
- Max. pump rate: 10.3 bpm @ 3000 psi; 4" plunger (see pressure-rate chart)
- Diesel capacity: 800 litres
- Safety system: 3GHI Protection™ (Zone 2)
- Control system: Electrical, PLC-based
- Control panel: Remote-control panel (Zone 1), 35 m cable
- Logging system: Data transfer by 2G (Zone 1), USB memory stick
- Designed and certified in accordance with: ATEX, CE, DNV GL 2.7-1, NORSOK Z-015
- Third-party approval: DNV GL
- ATEX code: Ex II 3G IIA T3
- Sound-pressure level: 83 dBA (SPL); test method: ISO 3746:2010

Pressure-Rate Chart:

1100 bhp @ 2100 rpm, 4" Plungers



Graph legend:

1st 2nd 3rd 4th 5th 6th 7th

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