

HP 220 / Ultrabar 30 DRT T5

A compact water jetting
trailer for a range of
applications



HUGHES
PUMPS LIMITED

High & Ultra High Pressure Technology

UDOR Group

Tier **4^F**
Stage **V**

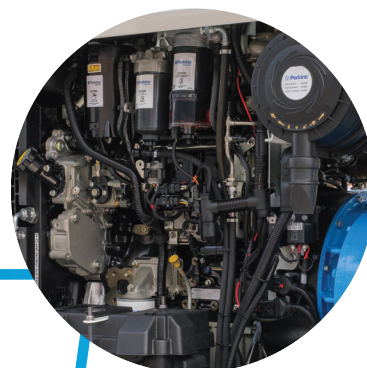


Chassis

- Twin axle, **road going trailer** with, over-run braking system
- **Suitable for use in UK & EU**
- Great access for maintenance with side and rear doors
- **Compact/lightweight**

Engine

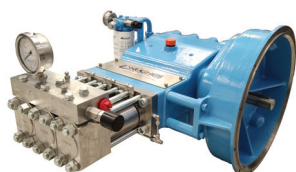
- Perkins 1204J-E44TTA, 4-cylinder, Tier 4 Final / Stage V compliant
- **Maximum 1800rpm** to reduce noise



**Tier 4^F
Stage V**

HP220/UB30 Pump

- Both pumps share a common power-end with **pressure lubrication & oil cooling**
- Convertible between HP & UHP
- Integral **gearbox & SAE** engine housing
- Solid **ceramic or tungsten** carbide plungers, depending on pressure
- UB30 pumphead is **modular** which allows easy maintenance & troubleshooting on individual cylinders
- Includes burst disc



Rear storage

- On board hose storage
- Optional anti-freeze system



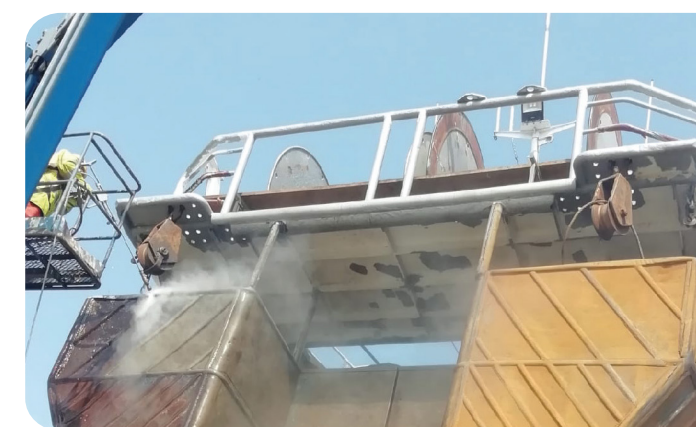
Water Tank & Filtration

- Polipropilene water and fuel tanks.
- **Light weight** and corrosion free
- 10 & 1 micron filtration
- **PTFE** lined boost pump



Comprehensive Control Panel

- **5" colour display** for full monitoring of pump & engine functions
- **Automatic shutdown** for all critical pump & engine functions
- **Discharge pressure transducer** for display of discharge pressure & over-pressure shutdown at 105% of working pressure
- **Over-pressure shutdown point** is adjustable (password protected)
- **Automatic throttle** to reduce engine speed to idle when pump is off-load to reduce noise, water & fuel consumption



Weight
2,600 KG
(5,720lb)



Dimensions
3.9m long x 2.1m wide
x 2.1m high (154" long
x 83" wide x 83" high)

Build Options

- Spark arresting exhaust silencer
- Chalwyn valve
- Pneumatic UHP dump valve c/w compressor
- Manual UHP pressure adjusting valve
- The modular design allows any combination of chassis to be configured including skids, crashframes, site trailers (trolleys), road trailers, with or without enclosures

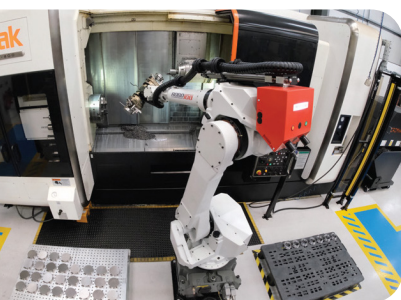
- Full range of accessories for all applications including handheld jetting guns, surface preparation robots & pipe/tube cleaning (manual & automatic)



Machine Shop

We are the only UK manufacturer of HP/UHP pumps rated to 375kW & 2800bar (500HP & 40,000psi).

All the pump components are manufactured in our state-of-the-art machine shop, equipped with a range of CNC machine tools.



Machine Tending Robots

Machine tending robots allow us to run unmanned, overnight and weekend work to reduce lead times.



Test Bay

The specialist testing facility within our factory allows us to fully test & certify our pumps. All pumps undergo a 3-hour test where around 20 different functions are monitored and logged.



PUMPHEAD	PLUNGER DIA. (mm)	GEARBOX	PERFORMANCE*
HP220	30	3,70	83 lpm at 900 bar 21.9 gpm at 13,050 psi
		4,53	67 lpm at 1000 bar 17.9 gpm at 14,500 psi
	26	3,70	62 lpm at 1200 bar 16.4 gpm at 17,400 psi
		4,53	51 lpm at 1400 bar 13.4 gpm at 20,300 psi
UB30	22	3,70	45 lpm at 1800 bar 11.8 gpm at 26,100 psi
	18	3,70	30 lpm at 2800 bar 7.9 gpm at 40,600 psi

1800 rpm engine speed. Maximum power of a standard T5 unit is 140 KW

* Theoretical flowrates

HP220 DRT-B T5 REAR VIEW



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Certification number 4257



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