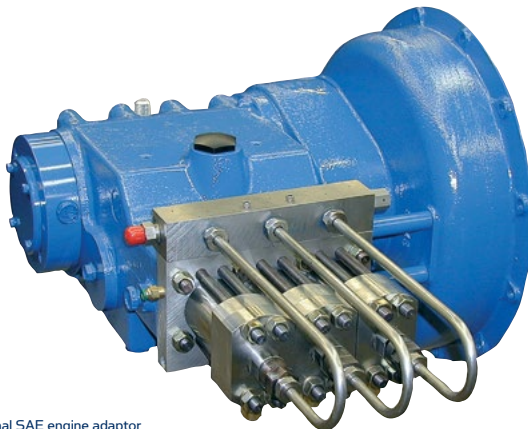


# Ultrabar 15 UHP Triplex Pump

| Plunger Diameter mm | Gear ratio Input Speed (rpm) |      |      | Pump Speed rpm | Power Required |    | Nominal Flowrate |      |       | Max Pressure |        |
|---------------------|------------------------------|------|------|----------------|----------------|----|------------------|------|-------|--------------|--------|
|                     | 1500                         | 1800 | 2000 |                | kW             | HP | lpm              | igpm | usgpm | bar          | psi    |
| 14                  | 4.00                         |      |      | 375            | 53             | 71 | 10.4             | 2.3  | 2.7   |              |        |
|                     | 3.67                         |      |      | 409            | 58             | 77 | 11.3             | 2.5  | 3.0   |              |        |
|                     |                              | 4.00 |      | 450            | 63             | 85 | 12.4             | 2.7  | 3.3   | 2750         | 40,000 |
|                     |                              | 3.67 |      | 490            | 69             | 93 | 13.5             | 3.0  | 3.6   |              |        |
|                     |                              |      | 4.00 | 500            | 70             | 94 | 13.8             | 3.0  | 3.7   |              |        |
|                     | 2.89                         |      |      | 519            | 73             | 98 | 14.3             | 3.2  | 3.8   |              |        |

**Additional Notes.** 1. Flowrates indicated are swept volume & will reduce with pressure 2. Other gear ratios are available for specific applications 3. Pump stroke 60mm 4. 9 bar (130 psi) inlet pressure required, filtered to 1 micron



Ultrabar 15 with optional SAE engine adaptor

## Features

- Solid ceramic plungers with floating crosshead attachment
- Self adjusting seals with internal water cooling
- Hardened, alloy steel crankshaft with heavy duty roller and steel backed white metal main bearings, supported between each connecting rod
- SG iron crankcase with pressure lubrication, filtration and oil cooling
- Forged connecting rods with low friction, shell type big end bearings and lead bronze lined small end bushes
- Gear driven, eliminating the need for belt drive
- Burst disc for overpressure protection

The Ultrabar 15 model is the mid range Ultra High Pressure pump from Hughes & is ideal for single gun applications.

The close coupled, gear driven power end has pressure lubrication, filtration and oil cooling. SAE adaptor housings are available enabling the pump to be flange mounted to a diesel engine flywheel housing or electric motor ensuring extremely compact, perfectly aligned installations and enclosing all moving parts. The Ultrabar range of pumps include design features that allow seals and valves to be monitored

- General Dimensions - typical pump build
- Approx weight - 230 kg


without tools and maintenance on individual cylinders.

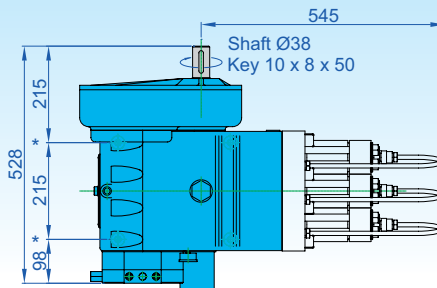
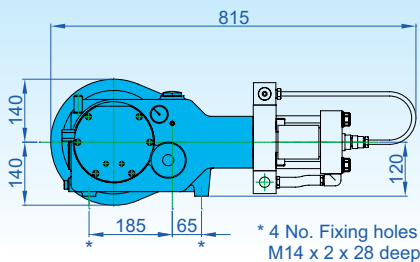
This improved design is capable of Ultra High Pressure with outstanding seal, plunger and valve life.



Ultrabar 15 flange mounted to diesel engine

## Build Options

- Choice of gear ratio to suit diesel engine or electric motor drive
- SAE adaptor housings (SAE 2 or 3) for flange mounting the pump to a diesel engine flywheel housing or electric motor
- Available without gearbox for low speed direct drive
- Pressure adjusting valves
- Bare shaft pump only or complete unit build
- ATEX compliant 



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