

## High head 'H' pump

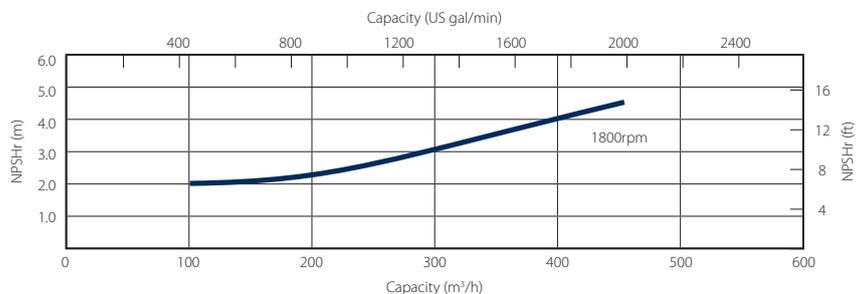
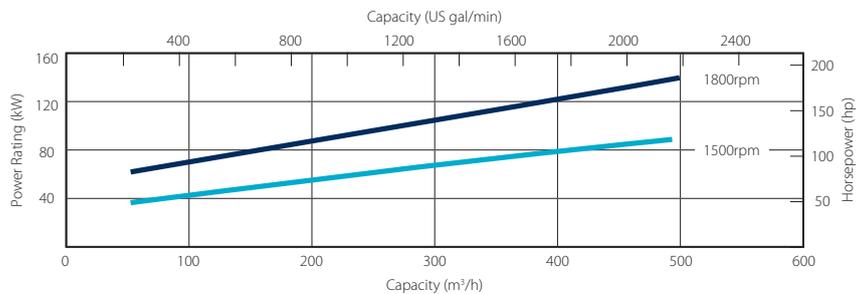
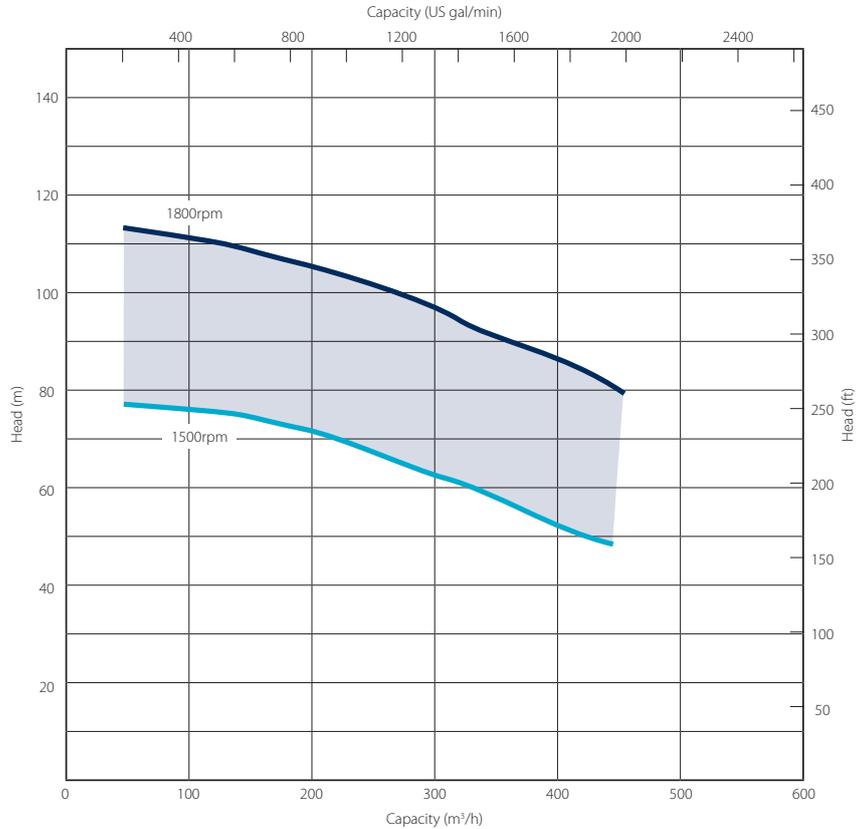
| Pump end specification |                        | Pt No. 1310193000 |
|------------------------|------------------------|-------------------|
|                        | Metric                 | US                |
| Capacity               | 450 m <sup>3</sup> /hr | 1981 gpm          |
| Total Head             | 114 m                  | 374 ft            |
| Max. Solids Size       | 30 mm                  | 1.18 in           |
| Self Priming Lift      | 8.8 m                  | 29 ft             |
| Air Handling           | 24 l/s                 | 50 cfm            |
| Selprime® Absorbs      | 2.2 kW                 | 3 hp              |
| Power Required         | 140 kW                 | 188 hp            |
| Pump Speed Max.        | 1800                   | 1800              |
| Pump Speed Min.        | 1500                   | 1500              |
| Impeller Type          | Closed                 | Closed            |
| Impeller Blades        | 4                      | 4                 |
| Impeller Diameter      | 420 mm                 | 16.5 in           |
| Inlet Port             | DN 150 PN16            | 6 PN6             |
| Outlet Port            | DN 150 PN16            | 6 PN6             |
| Length                 | 136 cm                 | 53.5 in           |
| Width                  | 120 cm                 | 47.5 in           |
| Height                 | 98 cm                  | 38.5 in           |
| Weight                 | 650 kg                 | 1430 lb           |

**Priming method - Selprime®**

The unique original Selwood self priming system utilising a water tolerant diaphragm air pump. An environmentally friendly design that has none of the problems of oil vapour emissions and oil emulsification associated with other priming systems.

**Pump end materials**

|                   |                                   |
|-------------------|-----------------------------------|
| Pump Casing       | Cast Iron BS2789 Grade 500/7      |
| Impeller          | Cast Iron BS2789 Grade 500/7      |
| Wear Plates       | Cast Iron BS2789 Grade 500/7      |
| Shaft             | Steel 080M40                      |
| NRV Body          | Cast Iron BS2789 Grade 500/7      |
| Mechanical Seal   | Silicon Carbide v Silicon Carbide |
| Pump End Bearing  | Taper Roller                      |
| Drive End Bearing | Taper Roller                      |



**Please note:** The above curve covers the complete range and ability of the pump unit. Actual performance will be subject to the motor/engine indicated overleaf.

# High head 'H' pump builds

**Our 'H Pumps' offer maximum performance and efficiency for high head, high pressure dewatering.**

These efficient models offer total heads up to 114m, mechanical shaft sealing, Selprime® automatic self-priming and emission compliant engines. Ideal for high head and high pressure applications, they're simple to operate and maintain.

Our H Pumps are perfect for

- High head dewatering
- Pipeline testing & cleaning
- Water boosting

**The Eco range benefits from:-**

- Eco friendly engine which meets current legislation and regulations
- 28.5% increase in pressure

**Super Silent units:-**

- Quietest pumps on market – EU directive 2000/14/EC
- Improved canopy design
- Auto stop/start control
- Oil drain kit
- Bulk fuel kit



| Standard builds            | Eco Super Silent |               | Electric -Skid* |         |
|----------------------------|------------------|---------------|-----------------|---------|
|                            | Metric           | US            | Metric          | US      |
| Length                     | 368 cm           | 145 in        | 255 cm          | 100 in  |
| Width                      | 163 cm           | 64 in         | 145 cm          | 57 in   |
| Height                     | 260 cm           | 102 in        | 173 cm          | 68 in   |
| Dry Weight                 | 3900 kg          | 8598 lb       | 1975 kg         | 4354 lb |
| Gross Weight               | 3900 kg          | 8598 lb       | 1975 kg         | 4354 lb |
| Sound Power                | 103 LWA          |               | 103 LWA         |         |
| Sound Pressure @ 1m (3ft)  | 81 db(A)         |               | 81 db(A)        |         |
| Sound Pressure @ 7m (23ft) | 73 db(A)         |               | 73 db(A)        |         |
| Pump SAE Size              | long coupled     |               | long coupled    |         |
| Engine / Motor             | CAT 7.1 T4       |               | 90 kW 400/3/50  | 120 hp  |
| Emission Rating            | Stage IV         | Tier 4 Final  | -               |         |
| Engine / Motor Max Speed   | 1800 rpm         |               | 1800 rpm        |         |
| Fuel Tank Capacity.**      | No fuel tank     | No fuel tank  | -               | -       |
| BEP - Fuel Consumption     | 30 lt/hr         | 6.6 US gal/hr | -               | -       |

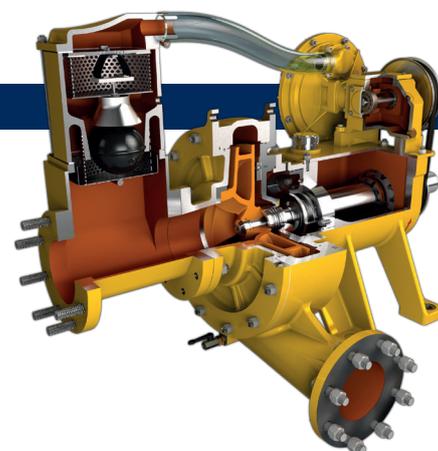
\*Open sets exclude fittings

\*\* Fuel tank capacity can be increased with the addition of an auxiliary fuel tank.

Installation drawings are available upon request.

## Optional extras

- |                                |                                  |
|--------------------------------|----------------------------------|
| Training                       | Pump telemetry                   |
| Genuine parts                  | Oil drain kit                    |
| Valves / Fittings              | Hose / pipework                  |
| Pump accessories               | DOL panels                       |
| Tanks & filtration             | Soft Start panels                |
| Pipe stoppers                  | Variable speed drive panels      |
| Auto stop/start control panels | Ultra-sonic level control panels |



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