

## Solids handling 'S' pump

### Pump end specification

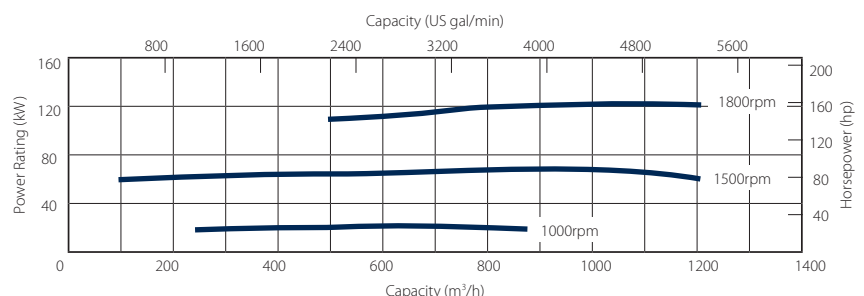
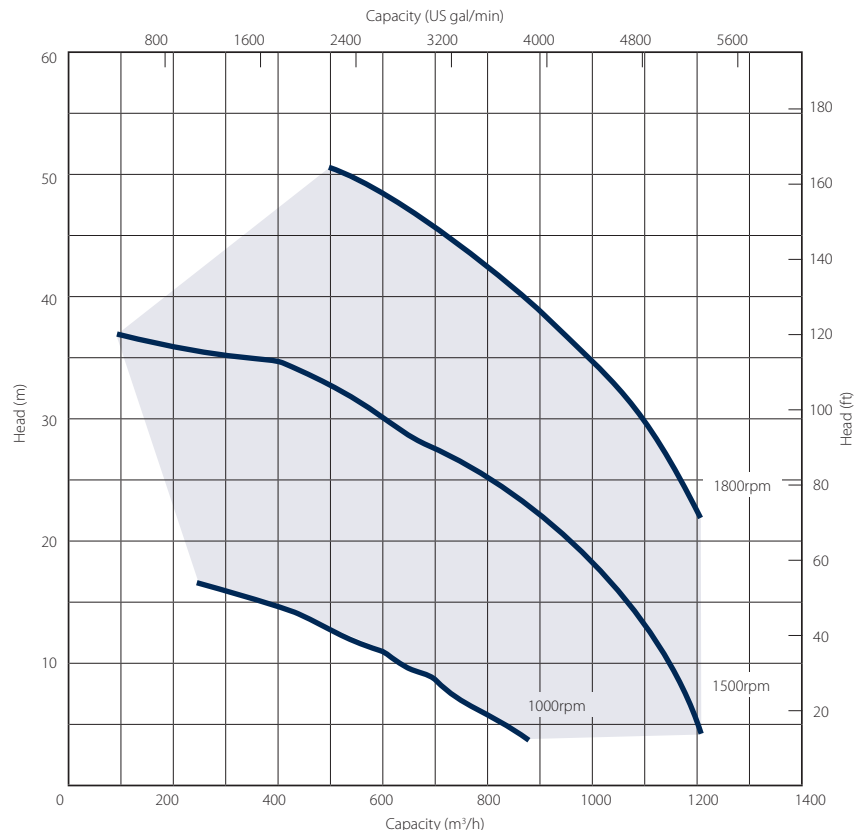
|                   | Metric                 | US         |
|-------------------|------------------------|------------|
| Capacity          | 1200 m <sup>3</sup> /h | 5284 gpm   |
| Total Head        | 51.7 m                 | 169 ft     |
| Max. Solids Size  | 100 mm                 | 4 in       |
| Self Priming Lift | 8.8 m                  | 28.8 ft    |
| Air Handling      | 24 l/s                 | 50 cfm     |
| Selprime® Absorbs | 2.2 kW                 | 3 hp       |
| Power Required    | 122 kW                 | 164 hp     |
| Pump Speed Max.   | 1800 rpm               | 1800 rpm   |
| Pump Speed Min.   | 1000 rpm               | 1000 rpm   |
| Impeller Type     | Mixed Flow             | Mixed Flow |
| Impeller Blades   | 2                      | 2          |
| Impeller Diameter | 355 mm                 | 14 in      |
| Inlet Port        | DN 300 PN10            | 12 in      |
| Outlet Port       | DN 300 PN10            | 12 in      |
| Length            | 169 cm                 | 66.5 in    |
| Width             | 163 cm                 | 64.1 in    |
| Height            | 112 cm                 | 44.1 in    |
| Weight            | 865 kg                 | 1903 lb    |

### Priming method - Selprime®

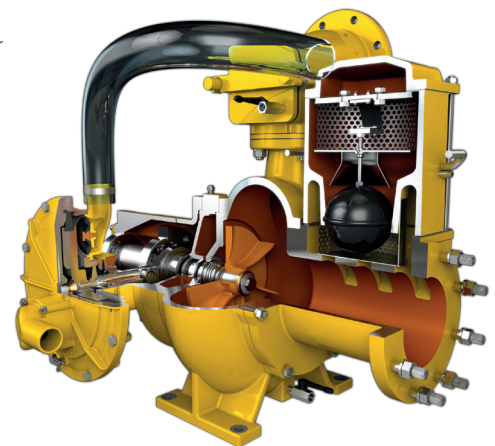
The unique original Selwood self priming system utilising a water tolerant diaphragm air pump. An environmentally friendly design that has none of the problems of oil vapour emissions and oil emulsification associated with other priming systems.

### Pump end materials

|                   |                                                               |
|-------------------|---------------------------------------------------------------|
| Pump Casing       | Cast Iron BS2789<br>Grade 500/7                               |
| Impeller          | Cast Iron BS2789<br>Grade 500/7                               |
| Wear Plates       | Cast Iron BS2789<br>Grade 450/10                              |
| Shaft             | Steel BS EN 10083-1:2006<br>GR 708M40 (EN19)S                 |
| NRV Body          | Ductile Iron GJS (DN65 to 300)<br>Epoxy Coated Inside/Outside |
| Mechanical Seal   | Silicon Carbide v Silicon Carbide                             |
| Pump End Bearing  | Taper Roller                                                  |
| Drive End Bearing | Taper Roller                                                  |



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



# Solids handling 'S' pump

Our 'S Range' pumps are the market-leader when it comes to solids handling.

The Selprime® automatic self-priming, emission compliant engines and ease of operation means trouble-free pumping of

- raw and unscreened sewage
- sludge or slurry
- water with fine and large solids
- water containing rags and fibres



| Build type                  | Perkins Skid*       |                | 75kW Electric Skid* |         | 132kW Electric Skid* |        |
|-----------------------------|---------------------|----------------|---------------------|---------|----------------------|--------|
|                             | Metric              | US             | Metric              | US      | Metric               | US     |
| Length                      | 345 cm              | 136 in         | 310 cm              | 122 in  | 310 cm               | 122 in |
| Width                       | 170 cm              | 67 in          | 170 cm              | 67 in   | 170 cm               | 67 in  |
| Height                      | 220 cm              | 87 in          | 204 cm              | 81 in   | 204 cm               | 81 in  |
| Dry Weight (                | 3800 kg             | 8378 lb        | 3625 kg             | 7992 lb | TBA                  | TBA    |
| Gross Weight                | 3800 kg             | 8378 lb        | 3625 kg             | 7992 lb | TBA                  | TBA    |
| Sound Power                 | 112 LWA             |                | 103 LWA             |         | TBA                  |        |
| Sound Pressure @ 1m (3ft)   | 89 db(A)            |                | 80 db(A)            |         | TBA                  |        |
| Sound Pressure @ 7m (23ft)  | 80 db(A)            |                | 71 db(A)            |         | TBA                  |        |
| Engine / Motor              | Perkins 1204E-E44TA |                | 75 kW 400/3/50, IE3 | 101 hp  | 132 kW 400/3/50, IE3 | 177 hp |
| Emission/ Electrical Rating | Stage IIIB          | -              | IE3                 | -       | IE3                  | -      |
| Engine / Motor Max Speed    | 1500 rpm            |                | 1500 rpm            |         | 1800 rpm             |        |
| Fuel Tank Capacity          | No fuel tank**      | No fuel tank** | -                   | -       | -                    | -      |
| BEP - Fuel Consumption      | 17 lt/hr            | 4.5 US gal/hr  | -                   | -       | -                    | -      |

\* Pump sets exclude fittings

\*\* Requires an auxiliary fuel tank.

Installation drawings are available upon request.

## Optional extras

- Training
- Genuine parts kits
- Valves / Fittings
- Pump accessories
- Hose / pipework
- Auto stop/start control panels
- Pump telemetry
- Oil drain kit
- Bulk fuel kit
- Tanks & filtration
- Pipe stoppers
- Chalwyn valve & spark arrestor

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