

# Solids handling 'S' pump

## Pump end specification

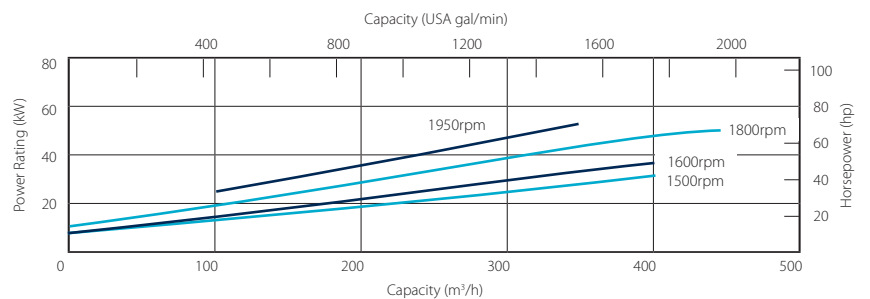
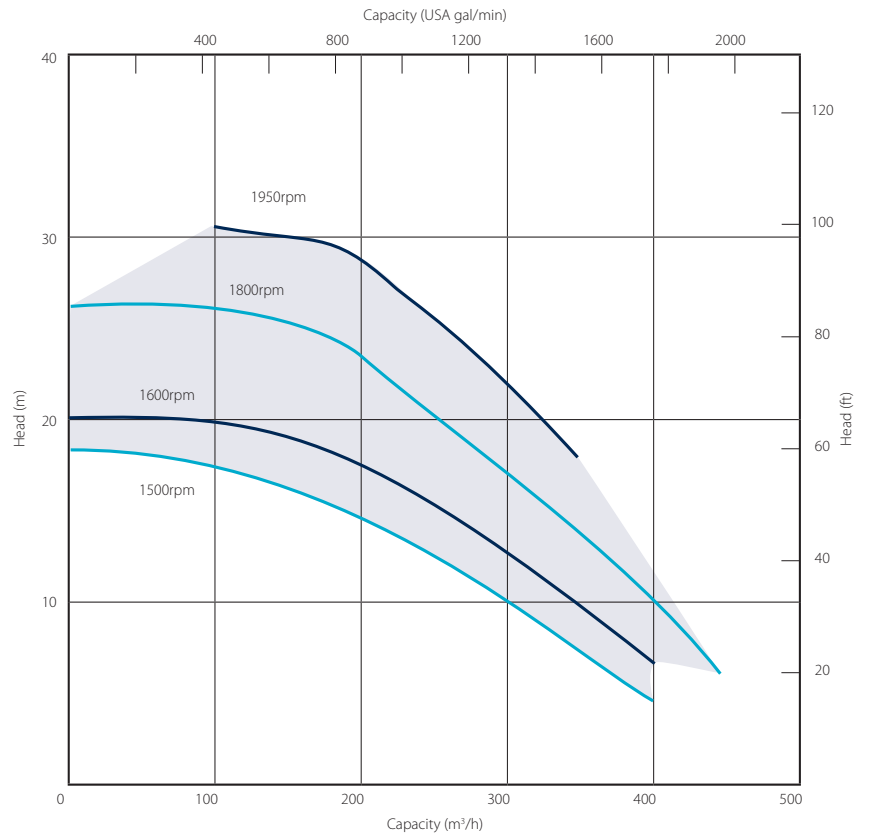
	Metric	US
Capacity	448 m <sup>3</sup> /h	1972 gpm
Total Head	31m	102 ft
Max. Solids Size	100mm	4 in
Self Priming Lift	8.8m	28 ft
Air Handling	24 l/s	50 cfm
Selprime <sup>®</sup> Absorbs	2.2 kW	3 hp
Power Required	52 kW	70 hp
Pump Speed Max.	1950 rpm	1950 rpm
Impeller Type	Vortex	Vortex
Impeller Blades	6	6
Impeller Diameter	235 mm	9.25 in
Inlet Port	PN16 DN150	6 in
Outlet Port	PN16 DN150	6 in

## Priming method - Selprime<sup>®</sup>

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	Grey Iron BSEN 1561 Grade EN-GJL-200
Impeller	Cast Iron BSEN 1563 Grade EN-GJS-450-10
Wear Plates	NA
Shaft	Steel BS EN 10277 Grade C40+C
NRV Body	Grey Iron BSEN 1561 Grade EN-GJL-200
Mechanical Seal	Silicon Carbide v Silicon Carbide
Pump End Bearing	Ball
Drive End Bearing	Cylindrical Roller



**SELWOOD**

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# Solids handling 'S' pump

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

The vortex-flow design (Seltorque®), 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

## Reducing environmental impact

We are committed to reducing our environmental impact by producing the most efficient equipment we can.

All Selwood Eco and Eco5 pumps can run on hydrotreated vegetable oil (HVO) fuel as an alternative to diesel.

## Super Silent units include:-

- Quietest pumps on the market – EU directive 2000/14/EC
- Improved canopy design
- 10% increase in performance
- Auto stop/start control
- Oil drain kit
- Bulk fuel kit



Standard build	Cat Super Silent Eco5 Pt No. 1522128S60	
	Metric	US
Length	241 cm	95 in
Width	127 cm	50 in
Height	181 cm	71 in
Dry Weight	1790 kg	3946 lb
Gross Weight	2000 kg	4409 lb
Sound Power	94 (LwA)	
Sound Pressure @ 1m (3ft)	79 db(A)	
Sound Pressure @ 7m (23ft)	65 db(A)	
Engine	Cat C2.2	
Emission Rating	Stage V	Tier 4 Final
Engine Speed - Max	1950 rpm	
Engine Speed - Min	1400 rpm	
Fuel Tank Capacity.**	210 lt	55 US gal
BEP - Fuel Consumption	13 lt/hr	3.4 US gal/hr

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

Installation drawings are available upon request.

### Remote Pump Monitoring Option

#### Deep Sea Web Net

- Remote pump condition monitoring
- Cloud based information management telemetry system
- Monitor pump & engine conditions via Canbus module which links the engine and ECU
- Ability to measure a multitude of pump & engine conditions including:-
  - Discharge & suction pressure
  - Engine speed
  - Fuel conditions
  - Engine temperature

- ### Optional extras
- Bauer fittings
  - Training
  - Genuine parts kits
  - Valves / Fittings
  - Pump accessories
  - Tanks & filtration
  - Pipe stoppers
  - Hose / pipework

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