Solids handling 'S' pump

Pump end specification

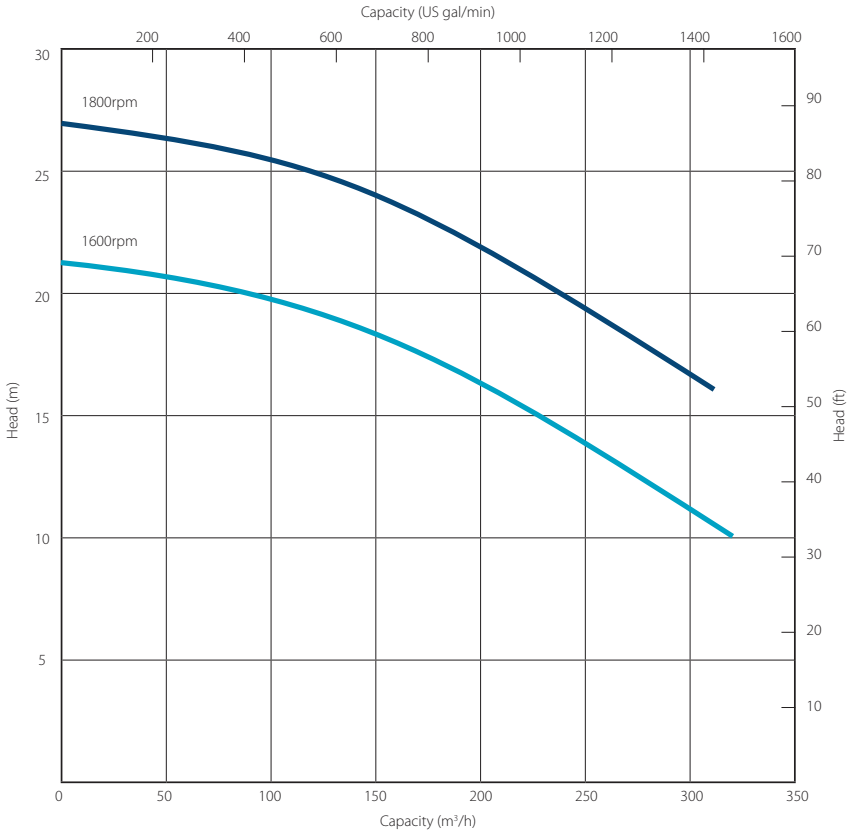
	Metric	US
Capacity	310 m³/h	1408 gpm
Total Head	27m	89 ft
Max. Solids Size	100mm	4 in
Self Priming Lift	8.8m	28 ft
Air Handling	24 l/s	50 cfm
Selprime® Absorbs	2.2 kW	3 hp
Power Required	40 kW	54 hp
Pump Speed Max.	1800 rpm	1800 rpm
Pump Speed Min.	1600 rpm	1600 rpm
Impeller Type	Vortex	Vortex
Impeller Blades	6	6
Impeller Diameter	235 mm	9.25 in
Inlet Port	DN 150 PN6	6 PN6
Outlet Port	DN 150 PN6	6 PN6
Length Width Height	102 cm 70 cm 82 cm	40.2 in 27.6 in 32.3 in
Weight	315 kg	694 lb

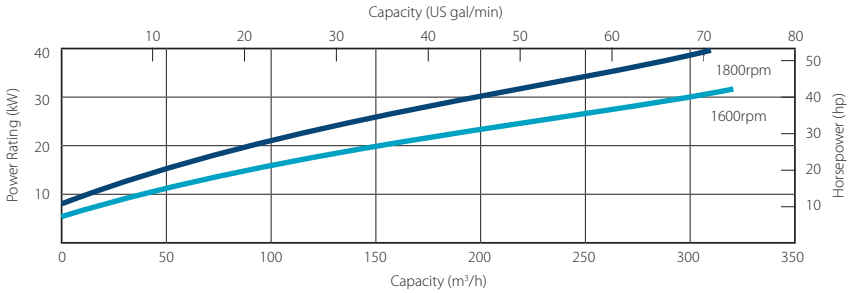
Priming method - Selprime®

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	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





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Specifications and illustrations are subject to revision without notice.

Solids handling 'S' pump build

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

The S150Tier4 benefits from the following:-

- 28.5% increase in pressure
- Quietest pump on market – EU directive 2000/14/EC
- Environmentally friendly and fast priming system – Selprime
- Eco friendly engine which meets current legislation and regulations
- Improved canopy design
- Selwood SelWatch management system



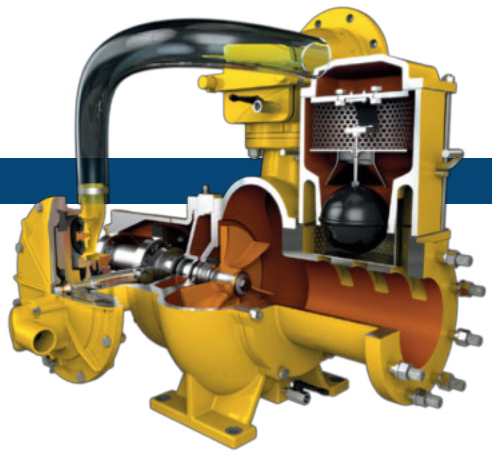
Standard build	SuperSilent	
	Metric	US
Length Width Height	245 cm 152 cm 174 cm	96 in 60 in 68 in
Dry Weight Gross Weight	1763 kg 1945 kg	3887 lb 4288 lb
Sound Power Sound Pressure @ 1m (3ft)	89 LWA 69 db(A)	
Pump SAE Size	bare shaft	
Engine / Motor	Isuzu 4LE2X	
Emission Rating	EU Stage 3B	Tier 4
Engine / Motor Max Speed	1800 rpm	
Fuel Tank Capacity.**	219 lt	58 US gal
BEP - Fuel Consumption	4.9 lt/hr	1.2 US gal/hr

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

Installation drawings are available upon request.

Selwood SelWatch

- 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

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

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