Solids handling 'S' pump

Pump end specification

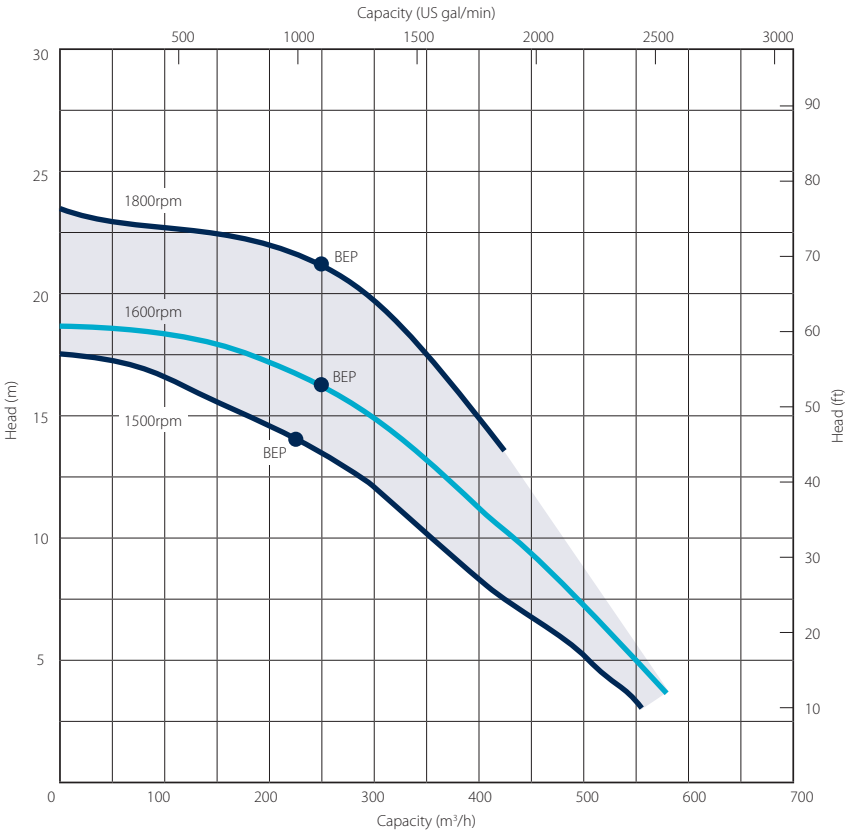
	Metric	US
Capacity	425 m³/h (580 m³/h @1600rpm)	1871 gpm (2553 gpm @1600rpm)
Total Head	23 m	75 ft
Max. Solids Size	100 mm	4 in
Self Priming Lift	8.8 m	28 ft
Air Handling	24 l/s	50 cfm
Selprime® Absorbs	2.2 kW	3 hp
Power Required	50 kW	67 hp
Impeller Type	Vortex	Vortex
Impeller Blades	8	8
Impeller Diameter	220 mm	8.66 in
Inlet Port	DN200 PN16	8 in
Outlet Port	DN200 PN16	8 in

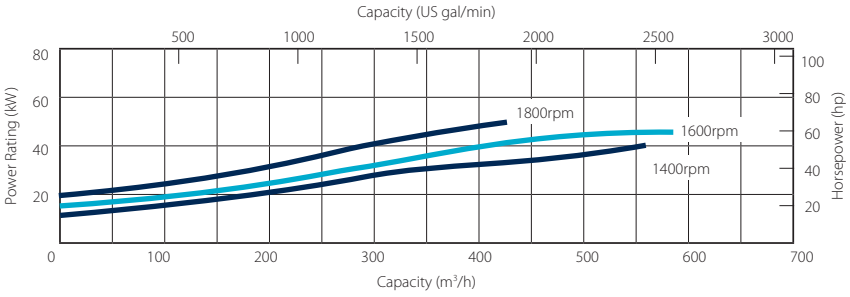
Priming method - Selprime®

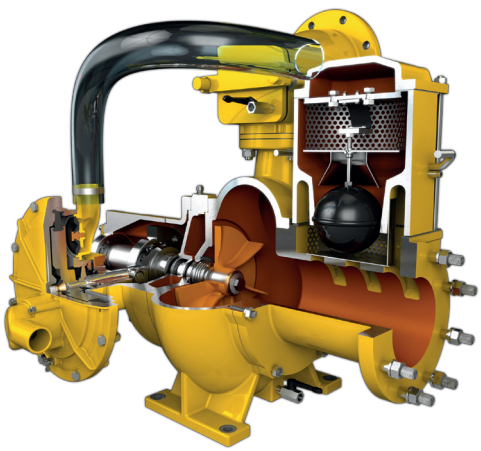
The unique original Selwood self priming system utilising a water tolerant diaphragm air pump. An environmentally friendly design that has none of the problems of oil vapour emissions and oil emulsification associated with other priming systems.

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







SELWOOD

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Specifications and illustrations are subject to revision without notice.

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 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
- Auto stop/start control
- Oil drain kit
- Bulk fuel kit
- Remote pump monitoring



Standard build	CAT Super Silent Eco5 Pt No. 340001490	
	Metric	US
Length Width Height	251 cm 133 cm 184 cm	99 in 52 in 73 in
Dry Weight Gross Weight	1900 kg est 2100 kg est	4189 lb est 4630 lb est
Sound Power Sound Pressure @ 1m (3ft) Sound Pressure @ 7m (23ft)	LWA db(A) db(A)	
Engine	Cat C2.2 DITAAC	
Emission Rating	Stage V	Tier 4 Final
Engine Speed - Max Engine Speed - Min	**1800 rpm** **1400 rpm**	
Fuel Tank Capacity.**	220 lt	58 US gal
BEP - Fuel Consumption	1800rpm - 8.8 lt/hr 1600rpm - 6.8 lt/hr 1500rpm - 5.7 lt/hr	1800rpm - 2.3 US gal/hr 1600rpm - 1.8 US gal/hr 1500rpm - 1.5 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

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

Please note: SelWatch may not be available in all territories. Contact your local Selwood Sales Manager or Distributor for details.

Optional extras

- Air pump silencer kit
- Training
- Genuine parts kits
- Valves / Fittings
- Pump accessories
- Tanks & filtration
- Pipe stoppers
- Hose / pipework

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