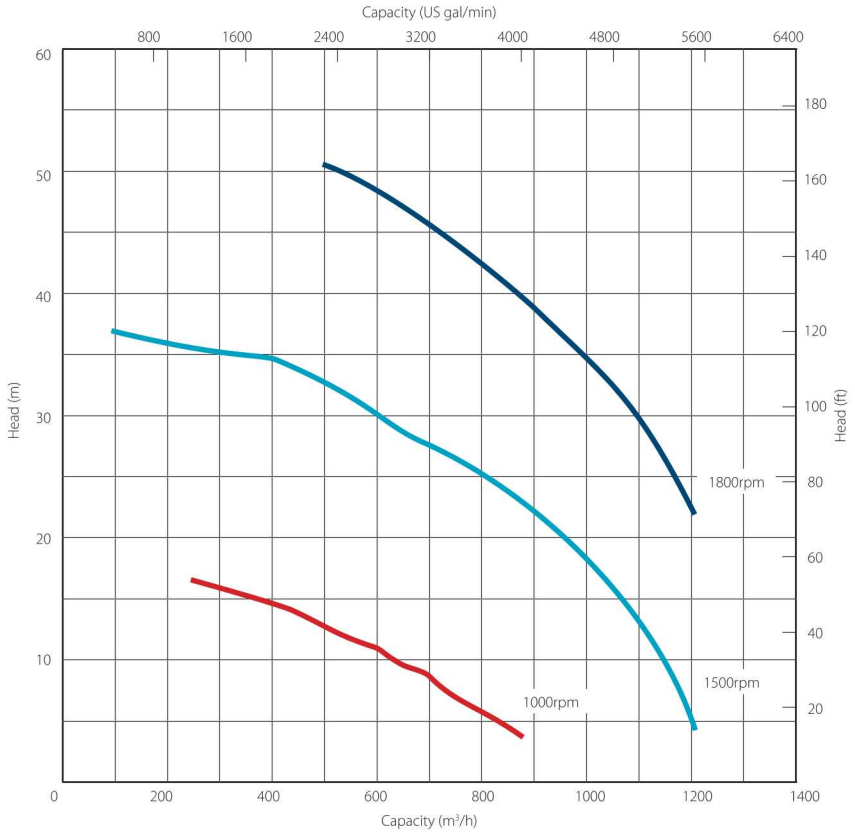
Solids handling 'S' pump

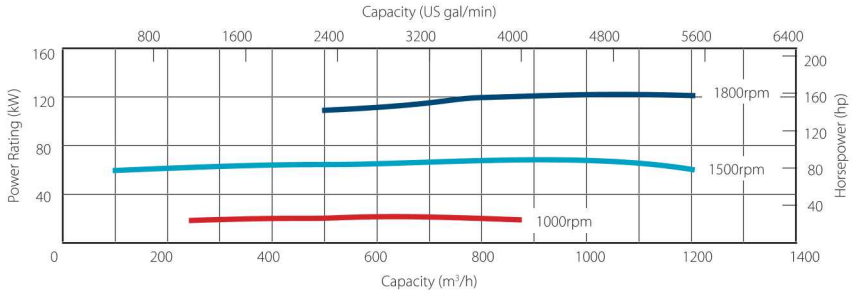
Pump end specification

	Metric	US
Capacity	1200 m³/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 Width Height	169 cm 163 cm 112 cm	66.5 in 64.1 in 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 Grade 500/7
Impeller	Cast Iron BS2789 Grade 500/7
Wear Plates	Cast Iron BS2789 Grade 450/10
Shaft	Steel BS EN 10083-1:2006 GR 708M40 (EN19)S
NRV Body	Ductile Iron GJS (DN65 to 300) Epoxy Coated Inside/Outside
Mechanical Seal	Silicon Carbide v Silicon Carbide
Pump End Bearing	Taper Roller
Drive End Bearing	Taper 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 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

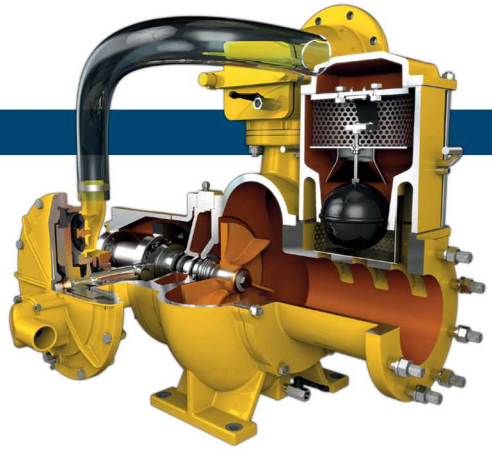
Build type	Diesel Skid*		75kW Electric Skid		132kW Electric Skid		Diesel Road Tow (Lesser Regulated Areas)	
	Metric	US	Metric	US	Metric	US	Metric	US
Length Width Height	345 cm 170 cm 220 cm	136 in 67 in 87 in	310 cm 170 cm 204 cm	122 in 67 in 81 in	310 cm 170 cm 204 cm	122 in 67 in 81 in	510 cm 210 cm 250 cm	201 in 83 in 98 in
Dry Weight (without bauers) Gross Weight (without bauers)	3800 kg 3800 kg	8378 lb 8378 lb	3625 kg 3625 kg	7992 lb 7992 lb	TBA TBA	TBA TBA	3244 kg 3500 kg	7152 lb 7716 lb
Sound Power Sound Pressure @ 1m (3ft) Sound Pressure @ 7m (23ft)	112 LWA 89 db(A) 80 db(A)		103 LWA 80 db(A) 71 db(A)		TBA TBA TBA		NA	
Pump SAE Size	long coupled		long coupled		long coupled		long coupled	
Engine	Perkins 1204E-E44TA		75 kW 400/3/50, IE3	101 hp	132 kW 400/3/50, IE3	177 hp	Kirloskar HA694TC	
Emission Rating	EU Stage IIIB		NA	NA	NA	NA	**Lesser Regulated Areas ONLY**	
Engine / Motor Max Speed	1500 rpm		1500 rpm		1800 rpm		1500 rpm	
Fuel Tank Capacity	No fuel tank**	No fuel tank**	NA	NA	NA	NA	300 lt	79 US gal
BEP - Fuel Consumption	17 lt/hr	4.5 US gal/hr	NA	NA	NA	NA	15 lt/hr	4 US gal/hr

*Open sets exclude fittings
** Requires an auxiliary fuel tank.

Installation drawings are available upon request.

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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