Electric solids handling 'S' pump

Pump end specification

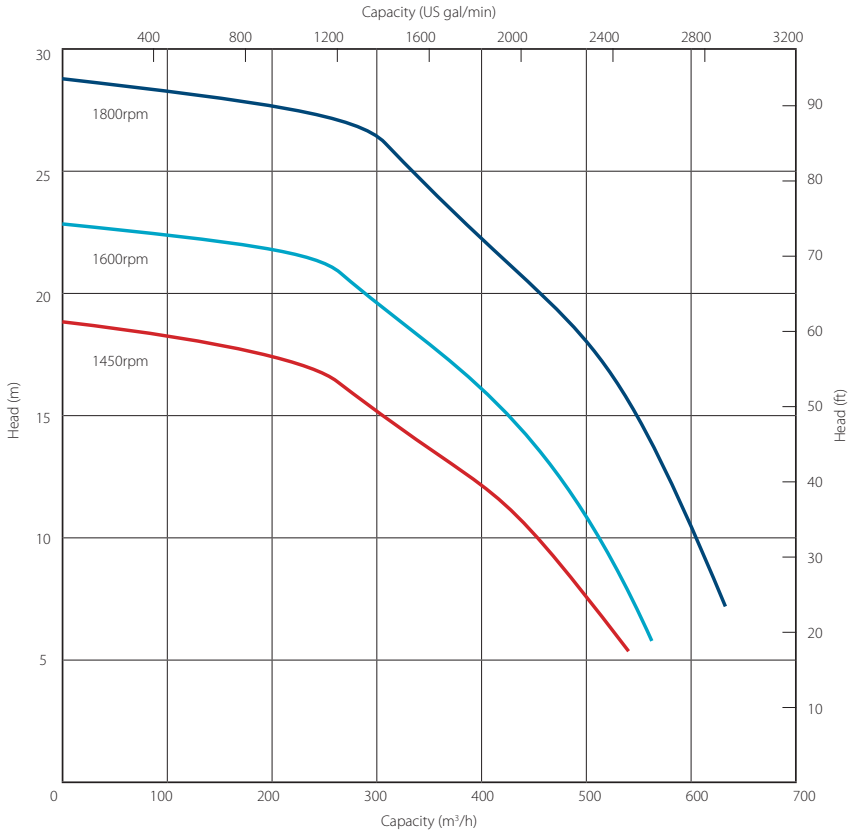
	Metric	US
Capacity	635 m^3/h	2794 gpm
Total Head	29 m	95 ft
Max. Solids Size	100 mm	4 in
Self Priming Lift	8.8 m	28 ft
Air Handling	24 l/s	50 cfm
Selprime® Absorbs	2.2 kW	3 hp
Power Required	45 - 75 kW	60 - 100 hp
Pump Speed Max.	1800 rpm	1800 rpm
Pump Speed Min.	1000 rpm	1000 rpm
Impeller Type	Vortex	Vortex
Impeller Blades	8	8
Impeller Diameter	235 mm	9.25 in
Inlet Port	DN 200 PN6	8 PN6
Outlet Port	DN 200 PN6	8 PN6
Length Width Height	105 cm 74 cm 89 cm	41.4 in 29.2 in 35.0 in
Weight	335 kg	739 lb

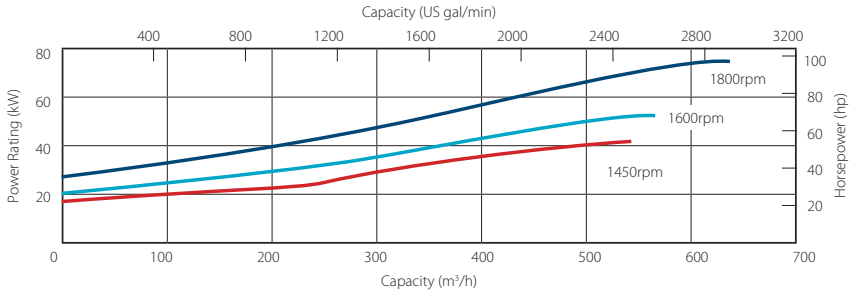
Priming method - Selprime®

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.

Electric solids handling 'S' pump builds

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

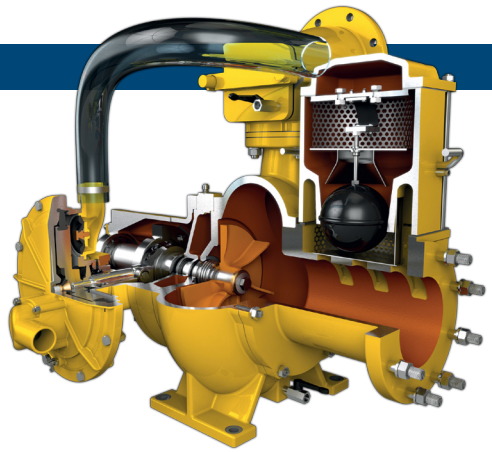
Standard builds	45 kW Skid*		45 kW Super Silent		75 kW Skid*		75 kW Super Silent	
	Metric	US	Metric	US	Metric	US	Metric	US
Length Width Height	252 cm 121 cm 158 cm	99 in 48 in 62 in	271 cm 152 cm 180 cm	107 in 60 in 71 in	252 cm 124 cm 171 cm	99 in 48 in 67 in	250 cm 152 cm 180 cm	98 in 60 in 71 in
Gross Weight	1200 kg	2646 lb	2120 kg	4664 lb	1475 kg	3252 lb	TBA	TBA
Sound Power Sound Pressure @ 1m (3ft) Sound Pressure @ 7m (23ft)	106 LWA 83 db(A) 74 db(A)		92 LWA 69 db(A) 60 db(A)		103 LWA 81 db(A) 76 db(A)		92 LWA 69 db(A) 65 db(A)	
Pump SAE Size	bare shaft		bare shaft		bare shaft		bare shaft	
Motor	45kW 400/3/50	60 hp	45kW 400/3/50	60 hp	75kW IE3 400/3/50	100 hp	75kW IE3 400/3/50	100 hp
Emission Rating	-	-	-	-	-	-	-	-
Engine / Motor Max Speed	1500 rpm		1500 rpm		1800 rpm		1800 rpm	

*Open sets exclude fittings

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
- Hose / pipework
- DOL panels
- Soft Start panels
- Variable speed drive panels
- Ultra-sonic level control panels



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