Solids handling 'S' pump

Pump end specification

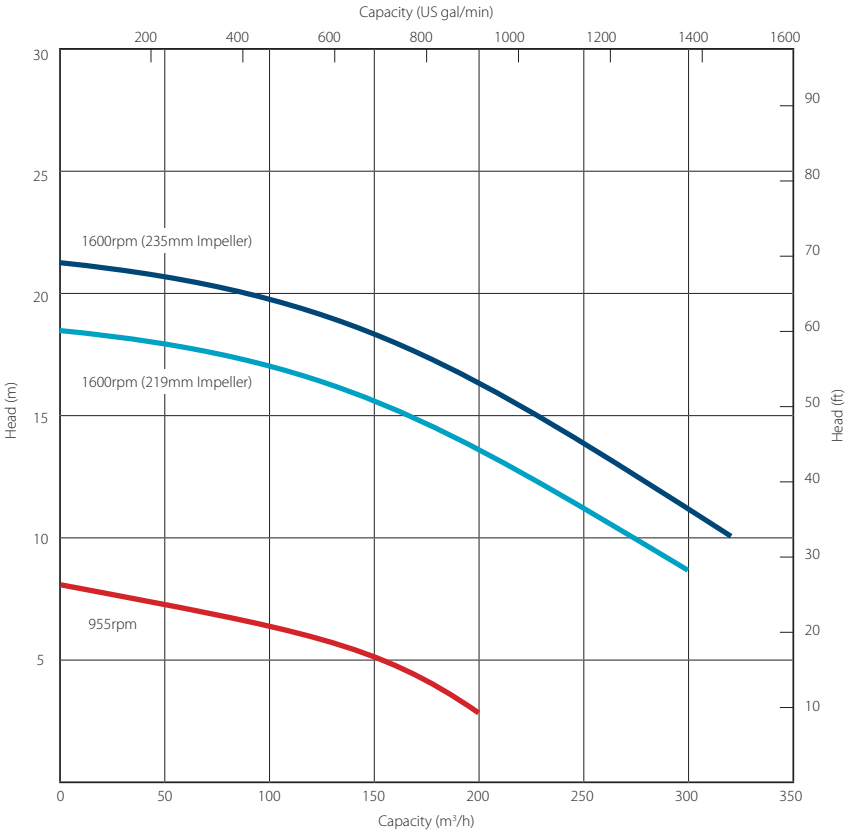
	Metric	US
Capacity	320 m³/h	1408 gpm
Total Head	21.3 m	70 ft
Max. Solids Size	100 mm	4 in
Self Priming Lift	8.8 m	28 ft
Air Handling	24 l/s	50 cfm
Selprime® Absorbs	2.2 kW	3 hp
Power Required	24 - 32 kW	32 - 44 hp
Pump Speed Max.	1600 rpm	1600 rpm
Pump Speed Min.	955rpm	955 rpm
Impeller Type	Vortex	Vortex
Impeller Blades	6	6
Impeller Diameter	219 mm 235 mm	8.6 in 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

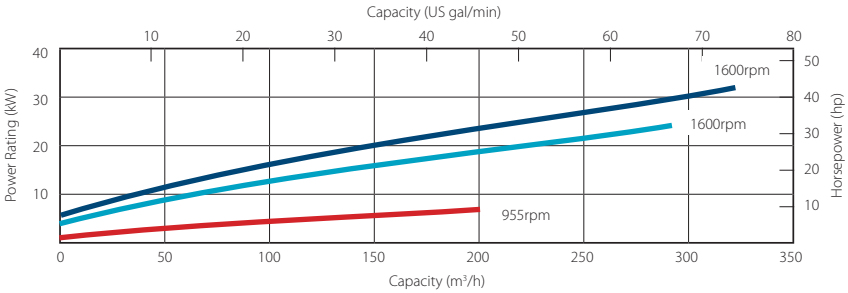
Priming method - Selprime®

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





SELWOOD

TOOLKWIP PUMPS

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Specifications and illustrations are subject to revision without notice.

Solids handling 'S' pump builds

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

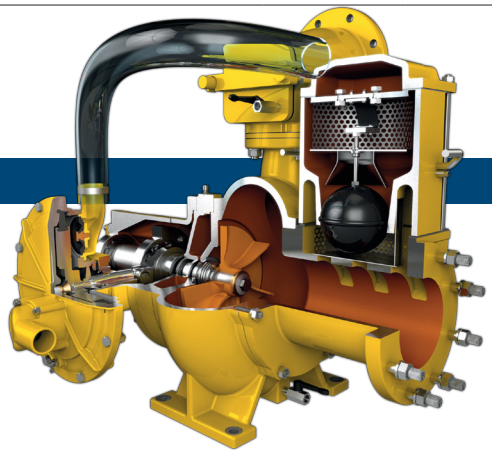
The vortex-flow design (Seltorque®), Selprime® automatic self-priming, emission compliant engines and ease of operation means trouble-free pumping of

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

Standard builds	4 Wheel Site*		Skid*		Super Silent		Super Silent	
	Metric	US	Metric	US	Metric	US	Metric	US
Length Width Height	271 cm 243cm 143 cm	107 in 96 in 53 in	200cm 100 cm 148 cm	79 in 39 in 58 in	245 cm 152 cm 174 cm	96 in 60 in 68 in	239 cm 149 cm 173 cm	94 in 59 in 68 in
Dry Weight Gross Weight	920 kg 1010 kg	2028 lb 2227 lb	995 kg 1083 kg	2194 lb 2388 lb	1763 kg 1945 kg	3887 lb 4288 lb	1698 kg 1880 kg	3743 lb 4145 lb
Sound Power Sound Pressure @ 1m (3ft) Sound Pressure @ 7m (23ft)	103 LWA 95 db(A) 78 db(A)		109 LWA 101 db(A) 84 db(A)		92 LWA 72 db(A) 63 db(A)		101 LWA 71 db(A) 62 db(A)	
Pump SAE Size	bare shaft		bare shaft		bare shaft		bare shaft	
Engine / Motor	Deutz D2011L04i		Deutz D2011L04i		Deutz D2011L04i		Isuzu 4JG1	
Emission Rating	EU Stage IIIA	NA	EU Stage IIIA	NA	EU Stage IIIA	NA	EU Stage II LRA	NA
Engine / Motor Max Speed	1600 rpm		1600 rpm		1600 rpm		1600 rpm	
Fuel Tank Capacity.**	105 lt	28 US gal	105 lt	28 US gal	219 lt	58 US gal	219 lt	58 US gal
BEP - Fuel Consumption	5.4 lt/hr	1.43 US gal/hr	5.4 lt/hr	1.43 US gal/hr	4.9 lt/hr	1.29 US gal/hr	3.3 lt/hr	0.72 US gal/hr

*Open sets exclude fittings
** Fuel tank capacity can be increased with the addition of an auxiliary fuel tank.

Installation drawings are available upon request.



Optional extras

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

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