



# S100

## Specification

Capacity	m <sup>3</sup> /h	165
Total Head	m	21.3
Max. Solids Size	mm	75
Self Priming Lift	m	8.8
Air Handling	l/s	24
Selprime, Absorbs	kW	2.2
Power Required	kW	16
Pump Speed Max.	rpm	1600
Pump Speed Min.	rpm	960
Impeller Type	Vortex	
Impeller Blades	6	
Impeller Dia.	mm	215
Inlet Port	mm	DN 100 PN6
Outlet Port	mm	DN 100 PN6
Fuel Tank Capacity*	ltrs	105 skid 219 Super Silent
Fuel Consumption BEP	lt/hr	3.2 Deutz 2.4 Perkins

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

## Priming Method



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 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	Ceramic v Silicon Carbide
Pump End Bearing	Ball
Drive End Bearing	Cylindrical Roller

## Prime Movers

Diesel Engines Deutz D2011L03i  
Cat C2.2

Electric motors available

## Standard Weights & Measures

 (Pt No. 1003011000)	Skid *	Length	175 cm
		Width	100cm
		Height	129 cm
		Dry Weight	845 kg
		Gross Weight	933 kg
		LWA	109
 (Pt No. 1016248540)	Super Silent**	Length	233 cm
		Width	153 cm
		Height	178 cm
		Dry Weight	1620 kg
		Gross Weight	1802 kg
		LWA	94
		db(A)@7m	59

\* Open sets exclude fittings

\*\* Close Coupled

## Optional Extras

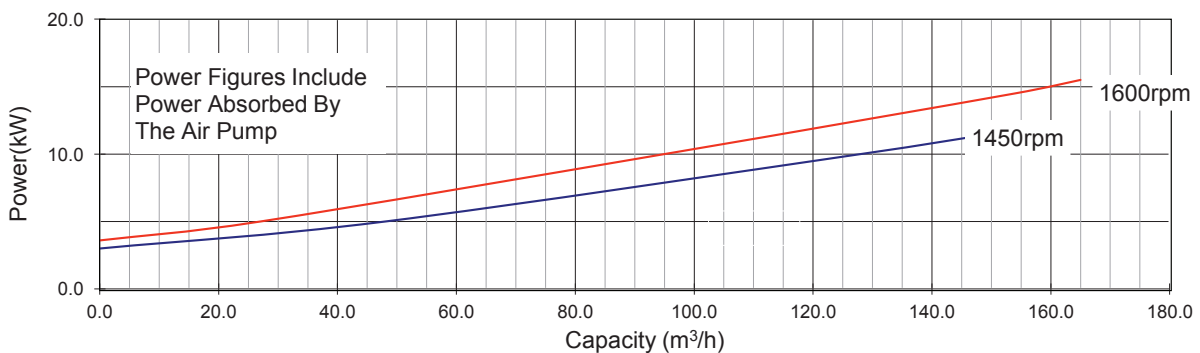
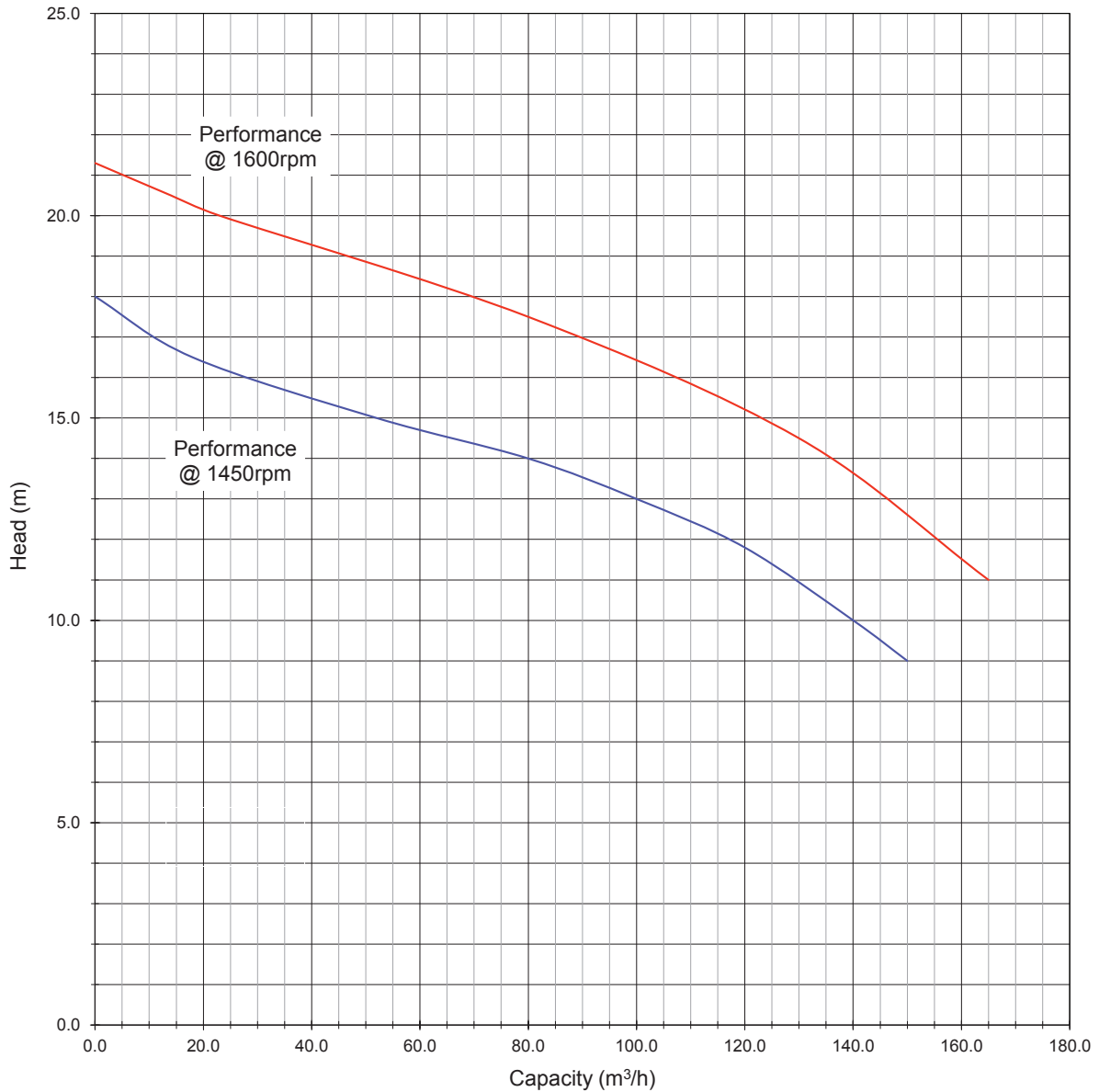
- Auto stop-start controls
- Telemetry system
- Oil drain service kit
- Auxiliary fuel tank connectors
- Chalwyn valve spark arrester

**Selwood Limited**, Bournemouth Road,  
Chandler's Ford, Eastleigh, Hampshire, SO53 3ZL. UK  
Tel: +44(0) 23 8025 0137 Fax: +44(0) 23 8027 1012  
E-mail: pumpsales@selwoodpumps.com  
Web: www.selwoodpumps.com



## Performance Curve

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**Web:** www.selwoodpumps.com

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[www.selwoodpumps.com](http://www.selwoodpumps.com)

