

# High volume drainer 'D' pump

## Pump end specification

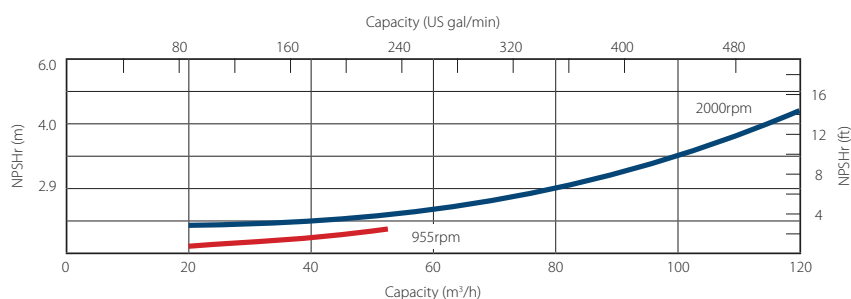
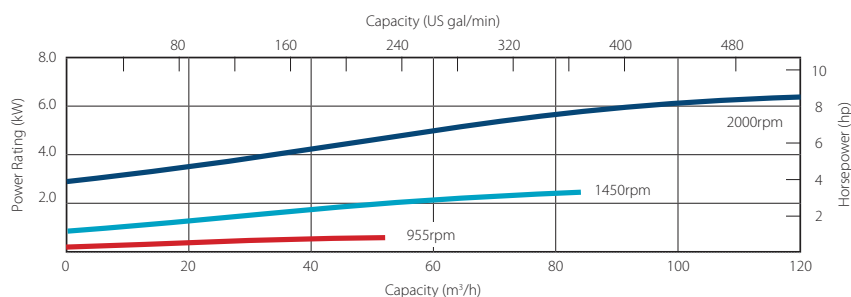
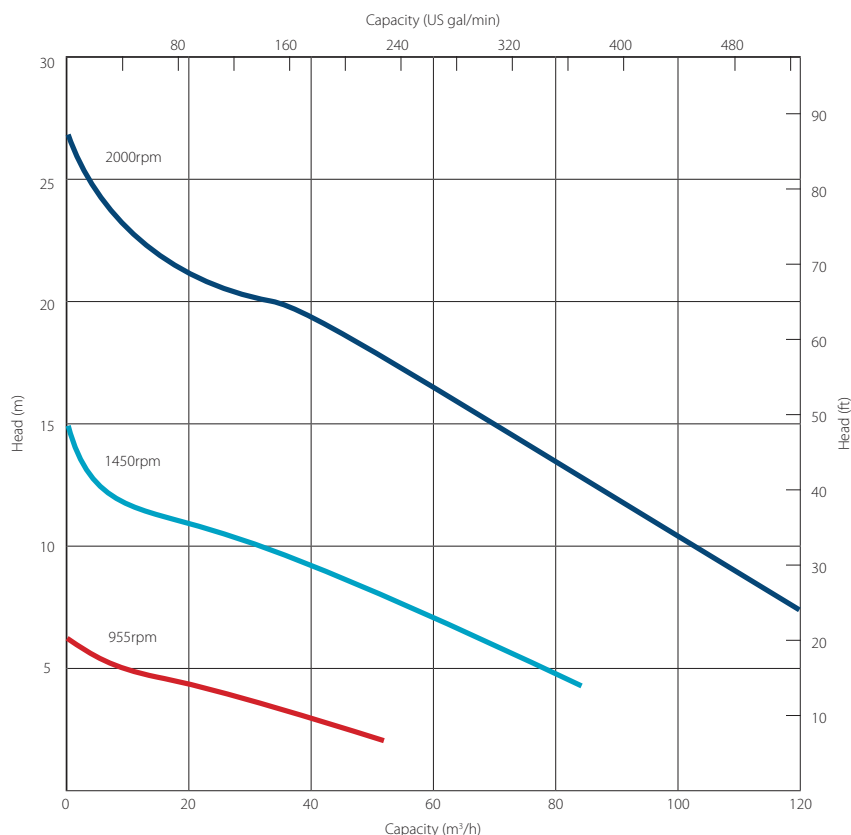
	Metric	US
Capacity	120 m <sup>3</sup> /h	528 gpm
Total Head	26 m	85 ft
Max. Solids Size	29 mm	1.7 in
Self Priming Lift	8.8	29 ft
Air Handling	4.25 l/s	8.8 cfm
Selprime® Absorbs	0.9 kW	1.2 hp
Power Required	6.5 kW	9 hp
Pump Speed Max.	2000	2000
Pump Speed Min.	955	955
Impeller Type	Drainer	Drainer
Impeller Blades	3	3
Impeller Diameter	192 mm	9.45 in
Inlet Port	DN 100 PN6	4 PN6
Outlet Port	DN 100 PN6	4 PN6
Length	82 cm	32.3 in
Width	41 cm	16.1 in
Height	58 cm	22.8 in
Weight	164 Kg	362 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-250
Impeller	Cast Iron BSEN 1563 Grade EN-GJS-450-10
Wear Plates	Cast Iron BSEN 1563 Grade EN-GJS-600-3
Shaft	Steel BS En 10277 Grade C40+C
NRV Body	Grey Iron BSEN 156 Grade EN-GJL-250
Mechanical Seal	Ceramic / Sealide
Pump End Bearing	Ball
Drive End Bearing	Cylindrical Roller



# High volume drainer 'D' pump builds

Our 'D Pumps' offer high efficiency centrifugal pumps for high-volume fluid transfer.

Handling flows of up to 120 m<sup>3</sup>/h, these highly efficient Selprime® pumps offer emission compliant engines, are easy to operate and maintain and have a robust construction.

Perfect for use with

- S** water – clean, with fine or larger solids
- S** screened sewage



Standard builds	2 Wheel Site*		Skid*		Super Silent		Electric Static	
	Metric	US	Metric	US	Metric	US	Metric	US
Length	194 cm	76 in	165 cm	65 in	180 cm	71 in	123 cm	48 in
Width	100 cm	39 in	106 cm	42 in	123 cm	48 in	70 cm	28 in
Height	129 cm	51 in	146 cm	57 in	157 cm	62 in	78 cm	31 in
Dry Weight	612 kg	1349 lb	850 kg	1874 lb	1050 kg	2315 lb	325 kg	717 lb
Gross Weight	642 kg	1415 lb	940 kg	2027 lb	1120 kg	2469 lb	325 kg	717 lb
Sound Power	101 LWA		100 LWA		86 LWA		86 LWA	
Sound Pressure @ 1m (3ft)	78 db(A)		78 db(A)		64 db(A)		64 db(A)	
Sound Pressure @ 7m (23ft)	69 db(A)		69 db(A)		55 db(A)		55 db(A)	
Pump SAE Size	SAE 6 modified		SAE 6 modified		SAE 6 modified		bare shaft	
Motor	Isuzu 2CA1		Isuzu 2CA1		Isuzu 2CA1		7.5 kW 400/3/50	10 hp
Emission Rating	EPA Tier 4 Final		EPA Tier 4 Final		EPA Tier 4 Final		-	
Engine / Motor Max Speed	2000 rpm		2000 rpm		2000 rpm		2900 rpm	
Fuel Tank Capacity.**	36 lt	9.5 US gal	105 lt	28 US gal	89 lt	21.1 US gal	-	-
BEP - Fuel Consumption	1.7 lt/hr	0.45 US gal/hr	1.7 lt/hr	0.45 US gal/hr	1.7 lt/hr	0.45 US gal/hr	-	-

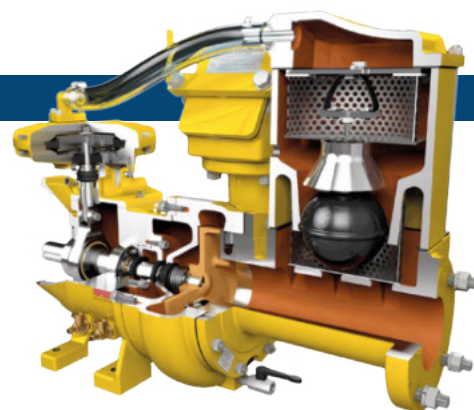
\*Open sets exclude fittings

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

Installation drawings are available upon request.

## Optional extras

- |                                |                             |
|--------------------------------|-----------------------------|
| Training                       | Pump telemetry              |
| Genuine parts                  | Oil drain kit               |
| Valves / Fittings              | Hose / pipework             |
| Pump accessories               | DOL panels                  |
| Tanks & filtration             | Soft Start panels           |
| Pipe stoppers                  | Variable speed drive panels |
| Auto stop/start control panels |                             |



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# Fish filter/basket

Mesh barrier to protect wildlife, pumps and equipment

Selwood's fish filters are used primarily with submersible pumps in rivers, lakes and other areas that may be home to aquatic wildlife.

They prevent fish, other wildlife and objects entering the pump. This minimises the risk of harm to aquatic life and the possibility of the pump being damaged.

The design of our fish filters follows the Environment Agency's best practice guide SC030231 – Screening for Intake and Outfalls.

Our filters have a number of features that make them suitable for prevention of fish entrainment. These include the low through-slot velocity, allowing fish to swim away, the relatively smooth external presentation of the screen, which reduces the risk of fish abrasion, and the narrow slot widths available, making it possible to prevent entrainment of fish even down to egg or larval sizes.

The size of mesh used also prevents the filter emptying itself, which can cause the pump and filter to float and move. For best results, the filter should be fully submerged wherever possible.

Filters are available for all our submersible pumps and are specifically designed for the type of unit being used.

