



High volume drainer 'D' pump

Pump end specification

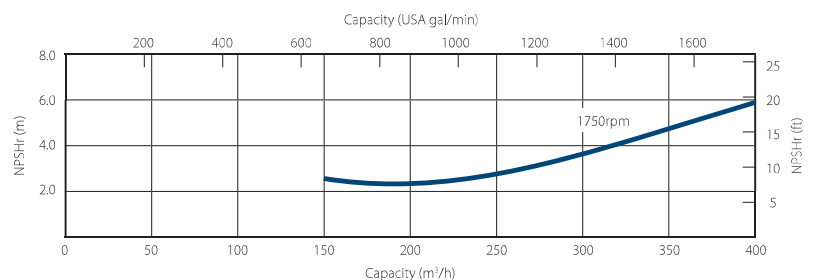
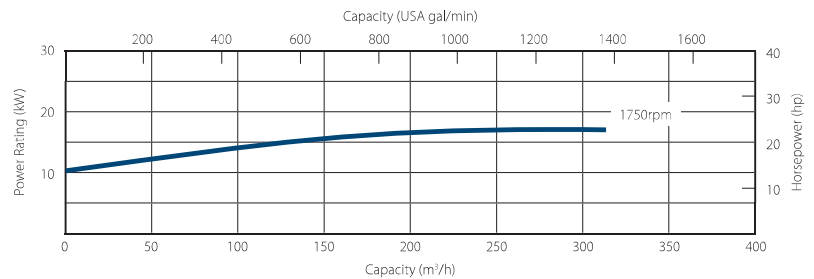
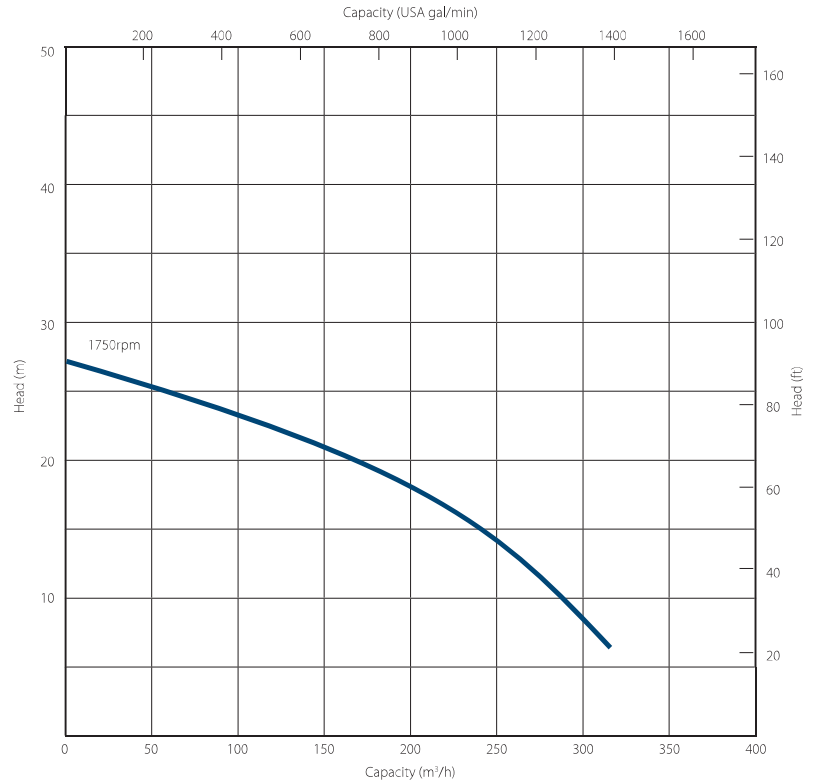
	Metric	US
Capacity	315 m ³ /h	1387 gpm
Total Head	27 m	88 ft
Max. Solids Size	45 mm	1.7 in
Self Priming Lift	8.8 m	29 ft
Air Handling	24 l/s	50 cfm
Selprime® Absorbs	2.2 kW	3 hp
Power Required	18 kW	24 hp
Pump Speed Max.	1750	1750
Pump Speed Min.	1000	1000
Impeller Type	Drainer	Drainer
Impeller Blades	3	3
Impeller Diameter	240 mm	9.45 in
Inlet Port	DN 150 PN6	6 PN6
Outlet Port	DN 150 PN6	6 PN6
Length	84 cm	33.1 in
Width	71 cm	28.0 in
Height	71 cm	28.0 in
Weight	300 Kg	661 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-450-10
Shaft	Steel BS10277 Grade C40+C
NRV Body	Grey Iron BSEN 1561 Grade EN-GJS-250
Mechanical Seal	Silicon Carbide v Silicon Carbide
Pump End Bearing	Taper Roller
Drive End Bearing	Taper 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 315 m³/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	Pod Only*		Fast Tow	
	Metric	US	Metric	US
Length	240 cm	94 in	359 cm	141 in
Width	125 cm	49 in	158 cm	62 in
Height	134 cm	53 in	185 cm	73 in
Dry Weight	1100 kg	2425 lb	1575 kg	3472 lb
Gross Weight	1200 kg	2646 lb	1640 kg	3616 lb
Sound Power	100 LWA		100 LWA	
Sound Pressure @ 1m (3ft)	92 db(A)		92 db(A)	
Sound Pressure @ 7m (23ft)	75 db(A)		75 db(A)	
Pump SAE Size	SAE 5		SAE 5	
Motor	Isuzu 3CA1		Isuzu 3CA1	
Emission Rating	Tier 4		Tier 4	
Engine / Motor Max Speed	1750 rpm		1750 rpm	
Fuel Tank Capacity.**	105 lt	28 US gal	105 lt	28 US gal
BEP - Fuel Consumption	TBA lt/hr	TBA US gal/hr	TBA lt/hr	TBA US gal/hr

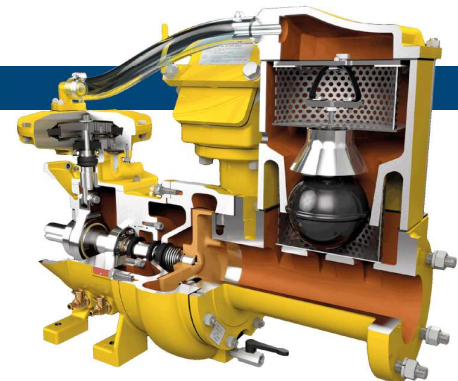
*Open sets exclude fittings

** 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 | Ultra-sonic level control panels |



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YR®
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RICHARDSON
& CO. LTD.



High volume drainer 'D' pump

Pump end specification

	Metric	US
Capacity	600 m ³ /h	2642 gpm
Total Head	37.5 m	123 ft
Max. Solids Size	55 mm	2.16 in
Self Priming Lift	8.8 m	29 ft
Air Handling	24 l/s	50 cfm
Selprime® Absorbs	2.2 kW	3 hp
Power Required	45 kW	60 hp
Pump Speed Max.	1500	1500
Pump Speed Min.	1000	1000
Impeller Type	Drainer	Drainer
Impeller Blades	3	3
Impeller Diameter	328 mm	12.9 in
Inlet Port	DN 200 PN6	8 PN6
Outlet Port	DN 200 PN6	8 PN6
Length	90 cm	35.4 in
Width	80 cm	31.5 in
Height	86 cm	33.9 in
Weight	360 Kg	794 lb

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