

# S0300-BV-CAT-010

PUMPING SYSTEM, TRASH, 3-INCH DIESEL, 800-GPM

System - S18210



**800-GPM 3-Inch Diesel Trash Pumping System S18210**

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The 3-Inch Diesel Trash Pumping System S18210 consists of two lightweight, diesel driven, centrifugal pumps, two spare parts kits, and an ancillary set. The pumps are capable of handling debris up to about 1 1/2 inches in diameter with a combined flow rate of 800 gpm. Protective cages surround the engine and pump assemblies, providing protection during shipping, use, and storage. The units have wheels and can be pushed or carried by two personnel. The ancillary set (wire mesh container) is used for storage and shipping of the pumps and spare parts kits. The ancillary set also consists of suction and discharge hoses, various fittings, clamps, nipples, and additional items necessary to support system operation. The 3-Inch Trash Pumps can be used for dewatering, counterflooding, or any other application where water must be pumped.

NOTE: The system is NOT configured to pump petroleum products from a stranded vessel.

## System Components for S18210

Alternates

ESSM No	Nomenclature	Type	Qty	NS	Cont
<b>PU0236</b>	ANCILLARY SET, 3" TRASH PUMP PU0330	BL	1		Y
PU0330	PUMP, CENTRIFUGAL, 3", DIESEL, TRASH	Contents	2		
PU0331	SPARE PARTS KIT FOR PU0330 PUMP	Contents	2		

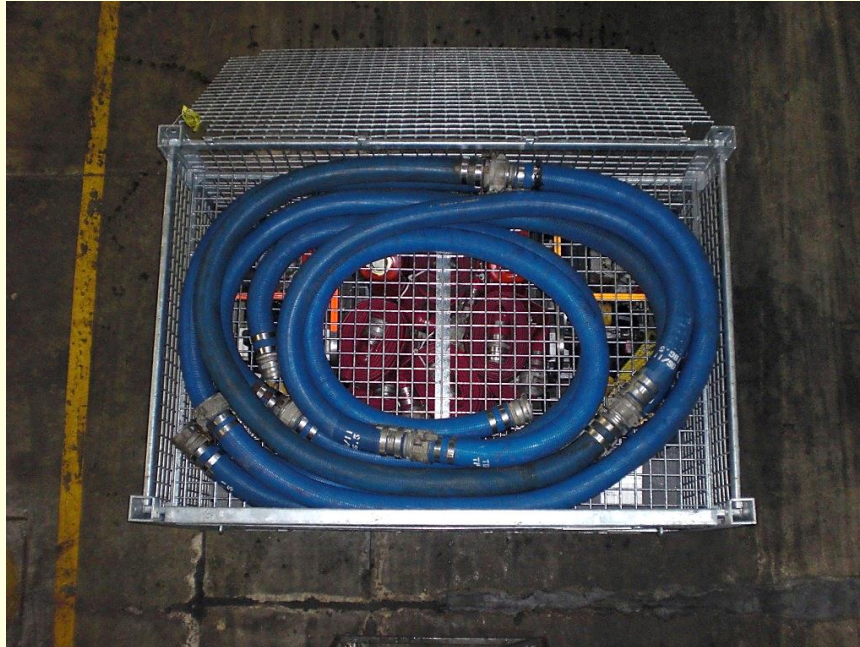
Baseline verified on 5/16/2016, \* Not shown in catalog.

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## ESSM - PU0236 ANCILLARY SET, 3" TRASH PUMP PU0330



3" Trash Pump Ancillary Set PU0236 (Top Level View)



3" Trash Pump Ancillary Set PU0236 (Bottom Level View)

The Ancillary Set PU0236 is a wire mesh container used for storage and shipping of the pumps and spare parts kits in system S18210. The ancillary set also contains suction and discharge hoses, a strainer, various fittings, clamps, nipples, and other items necessary to support system operation.

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## Specifications

Type	Description	Qty
Manufacturer	ESSM Facility	
Model	PU0236	
The Ancillary Set contains the following:		
Container, wire mesh basket, 74" x 53" x 43":		1
Pump, Centrifugal, 3", Diesel Trash	PU0330	2
Spare Parts Kit, for PU0330 Pump	PU0331	2
Adapter, 3", female camlock to female NPT		2
Adapter, 3", male camlock to male NPT, aluminum		4
Clamp, hose, adjustable		20
Jerry can, 5-gal.		2
Gasket, 3" camlock hose fitting, rubber		20
Hose, 3" x 25' discharge (Spiraflex)		8
Hose, 3" x 10' suction (Royalflex)		8
Inventory, laminated		1
Strainer, suction, 3" w/female NPT		2
Spout, flexible, for 5-gal. Jerry can		2

## Physical Characteristics

Type .....	Descriptions .....		
Length	6 ft, 2 in		
Width	4 ft, 5 in		
Height	3 ft, 7 in		
Cube	98 cu ft		
Footprint	28 sq ft		
Weight (lb)	1370 lb		

## References

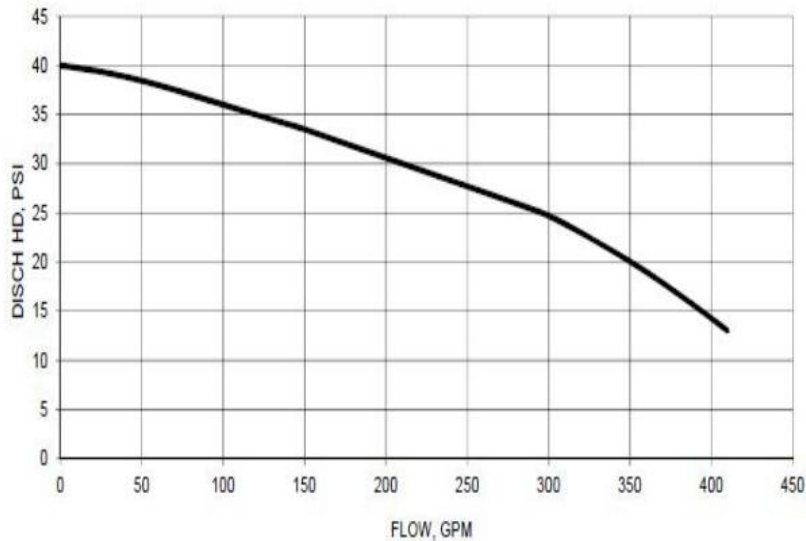
Ref No	Reference
1	None

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## ESSM - PU0330 PUMP, CENTRIFUGAL, 3", DIESEL, TRASH



Performance Curve for 3" Trash Pump PU0330

The 3-Inch Trash Pump PU0330 is a portable, diesel driven, self-priming, centrifugal pump designed to pump sludge, water, and debris (up to 1 1/2-inch diameter) at a flow rate of 400 gpm. The engine and pump are mounted in a wheeled, protective cage that includes lifting handles. The maximum suction lift of the pump is approximately 25 feet above the water surface. The pump is shipped in the wire mesh container of the Ancillary Set PU0235.

### Specifications

Type	Description	Qty
Pump Assembly		
Manufacturer	Diesel America West, Inc	
Model	DPL70-3PT	
Type	Centrifugal	
Capacity	400 gpm @ 15 psi discharge head	
Shutoff head	40 psi	
Engine		
Manufacturer	Yanmar	
Model	L 70 AE	
No. of cylinders	1	

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## Specifications

Type	Description	Qty
RPM	3600	
Horsepower	6.7	
Starting	Recoil starter	
Fuel	Diesel	
Fuel source	Internal fuel tank (.92-gal.)	

## Physical Characteristics

Type .....	Descriptions .....		
	Shipping	Operating	
Length	3 ft, 0 in	3 ft, 0 in	
Width	2 ft, 0 in	2 ft, 0 in	
Height	2 ft, 6 in	2 ft, 6 in	
Cube	15 cu ft	15 cu ft	
Footprint	6 sq ft	6 sq ft	
Weight	145 lb	145 lbs	

## References

Ref No	Reference
1	Technical Manual, 3" Diesel Trash Pump, DPL70-3PT, Diesel America West, Inc
2	NAVSEA Drawing 6777244, Pump, Trash, 3" Diesel, 400 Gpm Overview PU0330

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## ESSM - PU0331 SPARE PARTS KIT FOR PU0330 PUMP



Spare Parts Kit PU0331

The Spare Parts Kit PU0331 contains items to support the operation and maintenance of one 3-Inch Trash Pump PU0330. The spare parts kit is shipped in the wire mesh container of the Ancillary Set PU0235.

### Specifications

Type	Description	Qty
Manufacturer	ESSM Facility	
Model	PU0331	
The kit contains the following major items:		
Container, plastic, 18" x 11" x 7"		1
Element, air cleaner		1
Filter, fuel		1
Filter, oil		1
Inventory, laminated		1
Manual, Diesel Engine		1
Manual, Trash Pump, Diesel		1
O-ring, pump body		1
Oiler, plastic		1

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## Specifications

Type	Description	Qty
Screwdriver, reversible, Phillips and slotted		1
Valve, flapper		1
Wrench, open end, 10 x 12 mm		1
Wrench, open end, 14 x 17 mm		1

## Physical Characteristics

Type .....	Descriptions .....		
	Shipping		
Length	1 ft, 10 in		
Width	1 ft, 6 in		
Height	1 ft, 1 in		
Cube	3 cu ft		
Footprint	3 sq ft		
Weight	24 lb		

## References

Ref No	Reference
1	None