

S0300-BV-CAT-010

PUMPING SYSTEM, TRASH, 3-INCH DIESEL, 400-GPM

System - S18200



400-GPM 3-Inch Diesel Trash Pumping System S18200

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The 3-Inch Diesel Trash Pumping System S18200 consists of a lightweight, diesel driven, centrifugal pump, a spare parts kit, and an ancillary set. The pump is capable of handling debris up to about 1 1/2 inches in diameter at a flow rate of 400 gpm. A protective cage assembly surrounds the engine and pump, providing protection during shipping, use, and storage. The unit has wheels and can be pushed or carried by two personnel. The ancillary set (wire mesh container) is used for storage and shipping of the pump and spare parts kit. 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 Pump 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 S18200

Alternates

ESSM No	Nomenclature	Type	Qty	NS	Cont
PU0235	ANCILLARY SET, 3" TRASH PUMP PU0330	BL	1		Y
PU0330	PUMP, CENTRIFUGAL, 3", DIESEL, TRASH	Contents	1		
PU0331	SPARE PARTS KIT FOR PU0330 PUMP	Contents	1		

Baseline verified on 5/17/2016, * Not shown in catalog.

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ESSM - PU0235 ANCILLARY SET, 3" TRASH PUMP PU0330



Ancillary Set PU0235

The Ancillary Set PU0235 is a wire mesh container used for storage and shipping of the pump and spare parts kit in system S18200. The ancillary set also contains suction and discharge hoses, a strainer, various fittings, clamps, nipples, and other items necessary to support system operation.

Specifications		
Type	Description	Qty
Manufacturer	ESSM Facility	
Model	PU0235	
The Ancillary Set contains the following:		
Container, wire mesh basket, 62" x 36" x 41":		1
Pump, Centrifugal, 3", Diesel Trash	PU0330	1
Spare Parts Kit, for PU0330 Pump	PU0331	1
Adapter, 3", female camlock to female NPT		1
Adapter, 3", male camlock to male NPT, aluminum		2
Clamp, hose, adjustable		10
Jerry can, 5-gal.		1

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Specifications

Type	Description	Qty
Gasket, 3" camlock hose fitting, rubber		10
Hose, 3" x 25' discharge (Spiraflex)		4
Hose, 3" x 10' suction (Royalflex)		4
Inventory, laminated		1
Strainer, suction, 3" w/female NPT		1
Spout, flexible, for 5-gal. Jerry can		1

Physical Characteristics

Type	Descriptions		
	Shipping		
Length	5 ft, 3 in		
Width	3 ft, 0 in		
Height	3 ft, 7 in		
Cube	57 cu ft		
Footprint	16 sq ft		
Weight	795 lb		

References

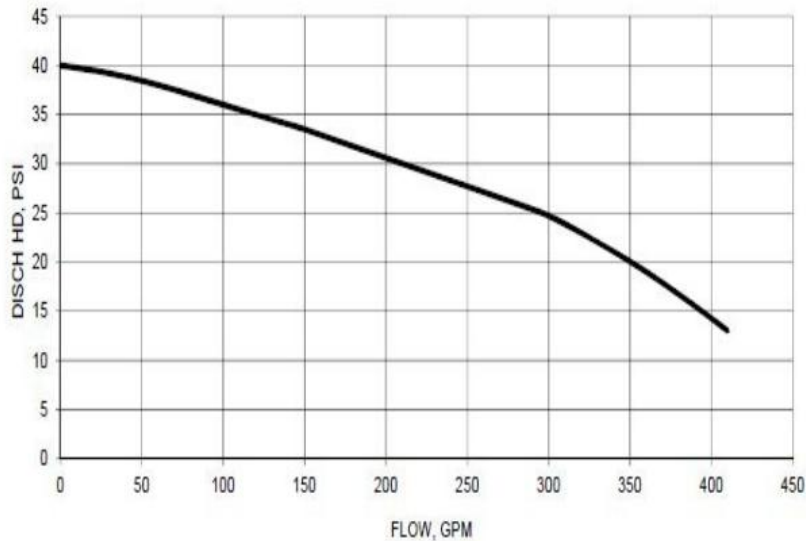
Ref No	Reference
1	None

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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