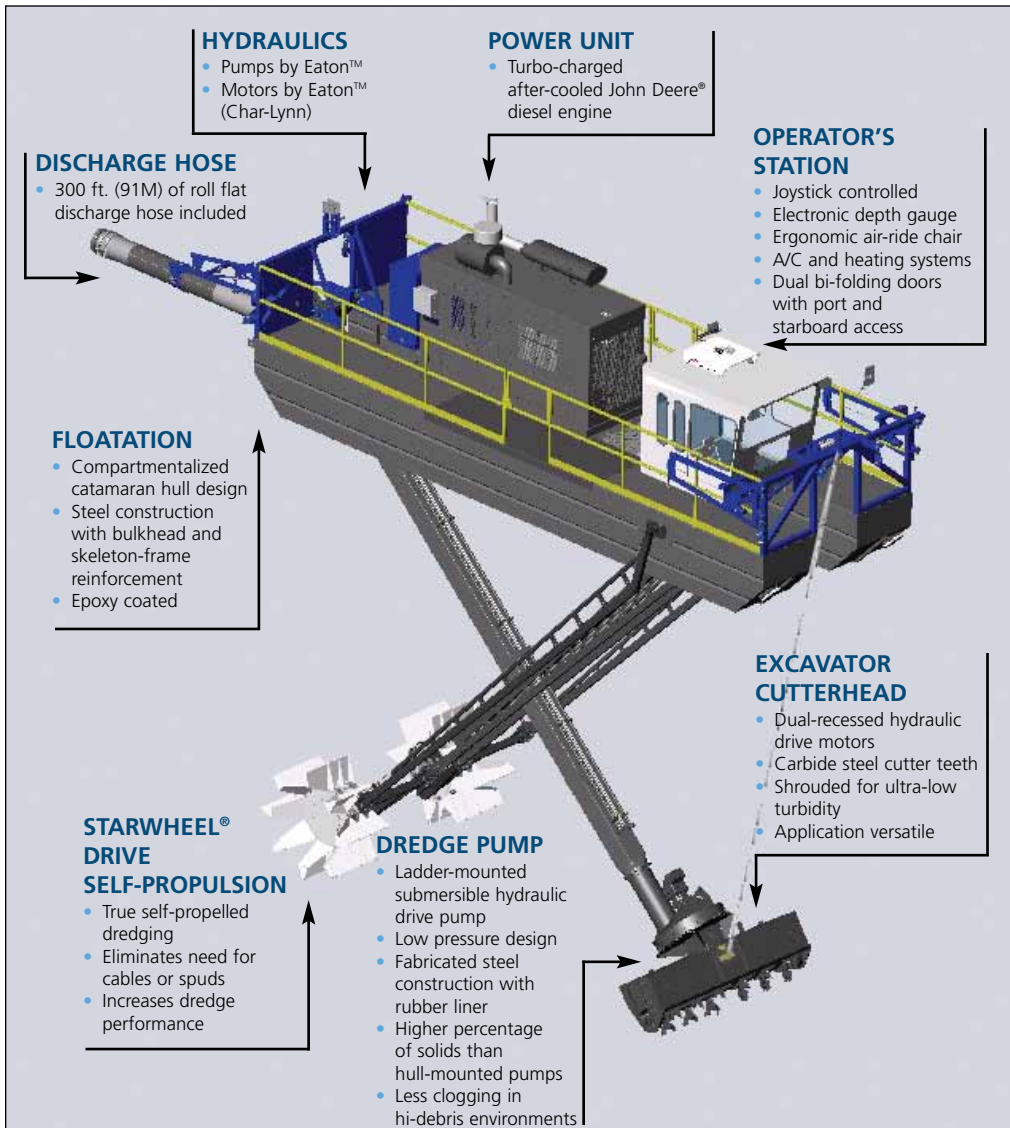


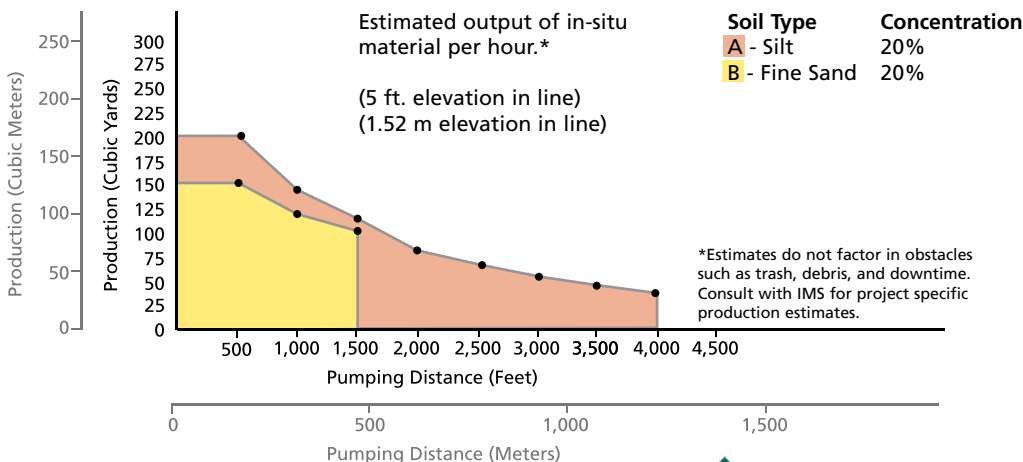
IMS Model 5012 LP Versi-Dredge®



A Model 5012 LP removes silt from channels at a resort in the Middle East.



All Versi-Dredge® models come standard with joystick controls and oversized gauges for ease of operation.



STANDARD EQUIPMENT

- 300 ft. (91 m) of roll flat discharge hose
- 12 saddle type hose floats
- Fully enclosed engine compartment
- Rock Guard
- Windlass system for cable drive
- Climate-controlled operator cabin
- Pump/cutterhead view window
- Cathodic protection
- Joystick controls
- Ergonomic air-ride swivel chair
- Digital depth gauge
- Horn
- 360 degree lighting
- Two (2) swivel cranes (800 lb. capacity, 363 Kg)
- U.S. hand tool kit and tool box

OPTIONAL EQUIPMENT

- Weedmaster Cutterhead
- Weed Rake
- Broadcaster Discharge Attachment
- Outriggers
- GPS System (w/sub-meter accuracy)
- Flow meter
- Slurry thickness tattle tail
- Additional corrosion protection package
- Pipe, hose, saddle floats
- Navigation lights
- Spotlight
- Closed loop video monitor for discharge
- Sound system



IMS, A Division of LWT Dredges, Pumps and Pumping Systems

Ph: 913-642-5100 or 866-467-4010 (USA Only)
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IMS Model 5012 LP Versi-Dredge®

Dimensions		Dredge Pump	
Length	42 ft. 7 in. (13.0 m)	Type	IMS
Width	11 ft. 3 in. (3.4 m)	Discharge Diameter	12 in. (305 mm)
Height	10 ft. (3.1 m) w/ pre cleaner removed	Suction Diameter	9.75 in. (248 mm)
Weight (less fuel)	27,915 lbs. (12,662 kg)	Impeller Diameter	19.25 in. (489 mm)
Flotation		Sphere Passage	6 in. (152 mm)
Pontoons	Two (2) pontoons, 39 in. x 38 in. x 360 in. (991 mm X 965 mm X 9,144 mm); 10 ga. steel sides, bottom and 1/4" diamond plate tops; internal bulkheads and stiffeners, and coated w/marine grade epoxy-urethane paint	Pump Performance	3,500 gpm (220 liter/sec) @ 65 ft. (19.8 m) TDH (water) @ 900 rpm Available rubber lined for use in abrasives
Displacement	29,200 lbs. (13,245 kg)	Speed (variable)	0 to 990 rpm
Draft	30 in. (762 mm)	Controls	
Working Capacity		Electronic joystick controls are provided in a climate controlled cab.	
Cut	108 in. (2,743 mm) wide x 22 in. (559 mm) deep	Propulsion	
Working Depth	22 ft. (6.1 m); extensions available to 28 ft. (8.5 m)	STARWHEEL® Drive Self-Propulsion system; cable drive optional STARWHEELS® are individually operated for high maneuverability.	
Engine		Speed (variable)	0 to 15 rpm (starwheel drive) 0 to 55 fpm (cable drive)
Type	John Deere Diesel Model 6090HF070, 6-cylinder, 9.0 L, 325 HP (242 kW) @ 2,200 rpm	Electrical System	
Fuel Capacity	300 gal. (1,135 liters)	Voltage	12 volt, negative ground
Fuel Consumption	15.9 gal./hr. (60.2 lit./hr.)	Alternator Output	130 Amp
Hydraulic Systems		Corrosion Protection	
Circuit #1	Slurry Pump 6.4 in ³ /rev. 60 gpm (3.78 liter/sec.) @ 5,500 psig	Standard Paint	Superstructure and hull are sandblasted and painted with two coats of marine epoxy suitable for saltwater service. A self healing zinc clad undercoating is applied to above deck surfaces. The cab is made with galvaneal steel. Submerged surfaces are top coated with two coats of anti-fouling paint. Average paint thickness is 12 mils minimum.
Circuit #2	Cutterhead, Boom, Winches and STARWHEELS® 7.9 in ³ /rev. load sense 75 gpm (4.73 liter/sec.) @ 2,500 psig	Cathodic protection	Standard
Reservoir	120 gal. (454 liters)	Available Accessories	
Filtration	1 tank mounted return filter with a 10 micron (min.) rating with an indicator & cab warning light. Slurry pump circuit remote charge filter 6-micron (min.) rating with an indicator and cab warning light. Filter with water removal capability are optional.	Talk with a representative about options and custom features available	
Brands	Parker, Eaton or comparable	Hourly Estimated Operating Costs	
Cutterhead		Fuel @ \$4.60/gallon	\$73.14
Cutterbar	Diameter 22 in. (559 mm) Length 108 in. (2,743 m) Replaceable hardened steel excavator blades; available with paddlebar for materials that are easily slurried	Insurance	2.00
Drive	Recessed dual hydraulic motor; direct drive with no gear reduction	Labor (2 Men @ \$16.00/Hr.)	32.00
Speed (variable)	0 to 95 rpm @ 2,500 psi	Maintenance (Filters, etc.)	1.20
Torque	23,885 in-lbs. (2,969 N-m) @ 2500 psi (peak)	Accrued Mechanical Overhaul	4.00
Cutter Tip Force	2,171 lbs. (9,657 N)	Pump & Cutterhead Wear	6.00
		Hull Maintenance	3.60
		Estimated Hourly Operating Cost in U.S. Dollars	\$121.94
		*Prices subject to local economics	

NOTE: Specifications subject to change without notice.