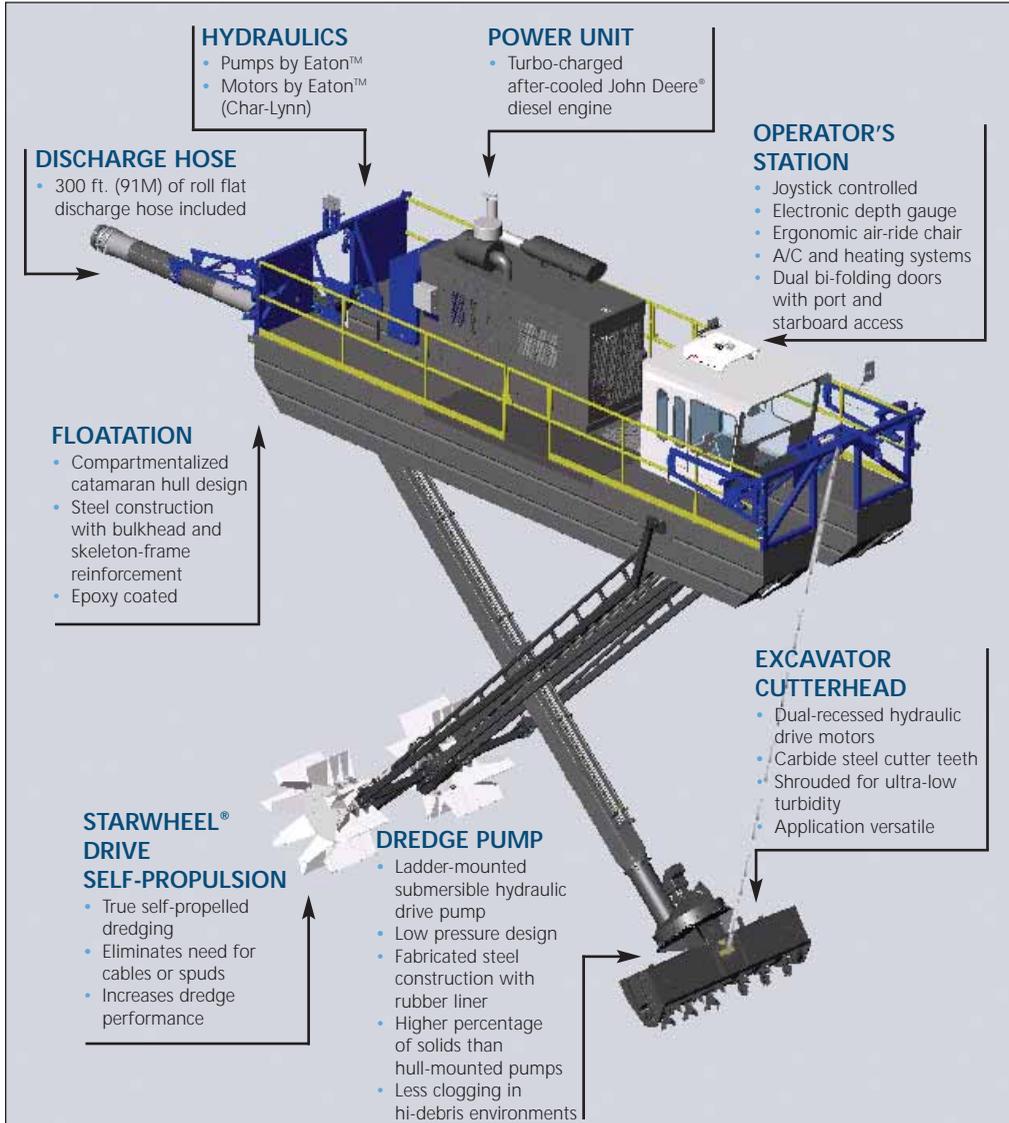


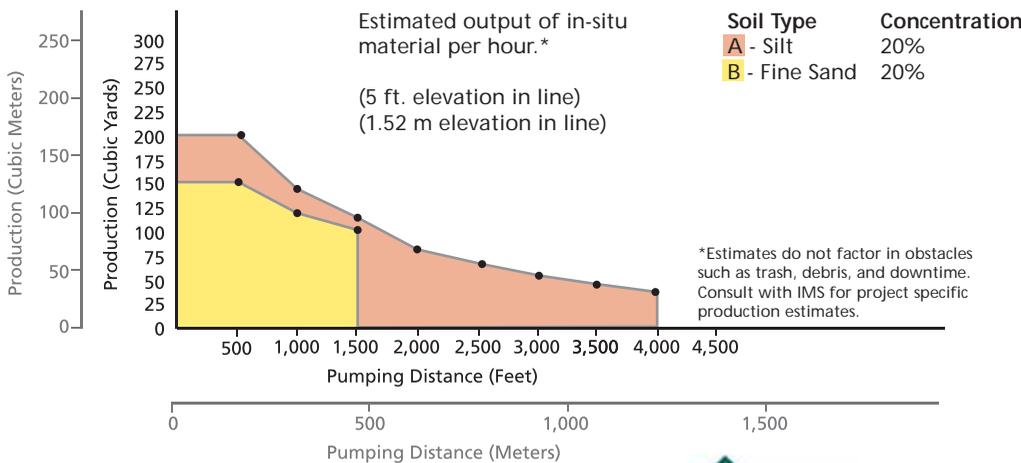
# IMS Model 5012 LP Versi-Dredge®



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)  
Fax: 913-642-5119

7930 State Line Rd. Ste. #202  
Prairie Village, KS U.S.A. 66208

E-mail: versidredge@imsdredge.com  
Web Site: www.imsdredge.com



# IMS Model 5012 LP Versi-Dredge®

<p><b>Dimensions</b></p> <p>Length 42 ft. 5 in. (12.9 m)            Width 11 ft. 3 in. (3.4 m)            Height 10 ft. (3.1 m) w/ pre cleaner removed            Weight (less fuel) 27,915 lbs. (12,662 kg)</p>		<p><b>Dredge Pump</b></p> <p>Type IMS            Discharge Diameter 12 in. (305 mm)            Suction Diameter 9.75 in. (248 mm)            Impeller Diameter 19.25 in. (489 mm)            Sphere Passage 6 in. (152 mm)            Pump Performance 3,500 gpm (220 liter/sec) @ 65 ft. (19.8 m) TDH (water) @ 900 rpm            Available rubber lined for use in abrasives</p> <p>Speed (variable) 0 to 990 rpm</p>																	
<p><b>Flotation</b></p> <p>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</p> <p>Displacement 29,200 lbs. (13,245 kg)            Draft 30 in. (762 mm)</p>		<p><b>Controls</b></p> <p>Electronic joystick controls are provided in a climate controlled cab.</p>																	
<p><b>Working Capacity</b></p> <p>Cut 108 in. (2,743 mm) wide x 22 in. (559 mm) deep            Working Depth 22 ft. (6.1 m); extensions available to 28 ft. (8.5 m)</p>		<p><b>Propulsion</b></p> <p>STARWHEEL® Drive Self-Propulsion system; cable drive optional            STARWHEELS® are individually operated for high maneuverability.</p> <p>Speed (variable) 0 to 15 rpm (starwheel drive)            0 to 55 fpm (cable drive)</p>																	
<p><b>Engine</b></p> <p>Type John Deere Diesel Model 6090HF070, 6-cylinder, 9.0 L, 325 HP (242 kW) @ 2,200 rpm</p> <p>Fuel Capacity 300 gal. (1,135 liters)            Fuel Consumption 15.9 gal./hr. (60.2 lit./hr.)</p>		<p><b>Electrical System</b></p> <p>Voltage 12 volt, negative ground            Alternator Output 130 Amp</p>																	
<p><b>Hydraulic Systems</b></p> <p>Circuit #1 Slurry Pump            6.4 in<sup>3</sup>/rev.            60 gpm (3.78 liter/sec.) @ 5,500 psig</p> <p>Circuit #2 Cutterhead, Boom, Winches and STARWHEELS®            7.9 in<sup>3</sup>/rev. load sense            75 gpm (4.73 liter/sec.) @ 2,500 psig</p> <p>Reservoir 120 gal. (454 liters)</p> <p>Filtration 1 tank mounted return filter with a 10 micron (min.) rating with an indicator &amp; 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.</p>		<p><b>Corrosion Protection</b></p> <p>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.</p> <p>Cathodic protection Standard</p>																	
<p><b>Cutterhead</b></p> <p>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</p> <p>Drive Recessed dual hydraulic motor; direct drive with no gear reduction</p> <p>Speed (variable) 0 to 95 rpm @ 2,500 psi            Torque 23,885 in-lbs. (2,969 N-m) @ 2500 psi (peak)</p> <p>Cutter Tip Force 2,171 lbs. (9,657 N)</p>		<p><b>Available Accessories</b></p> <p>Talk with a representative about options and custom features available</p>																	
		<p><b>Hourly Estimated Operating Costs</b></p> <table border="0"> <tbody> <tr> <td>Fuel @ \$4.60/gallon</td> <td style="text-align: right;">\$73.14</td> </tr> <tr> <td>Insurance</td> <td style="text-align: right;">2.00</td> </tr> <tr> <td>Labor (2 Men @ \$16.00/Hr.)</td> <td style="text-align: right;">32.00</td> </tr> <tr> <td>Maintenance (Filters, etc.)</td> <td style="text-align: right;">1.20</td> </tr> <tr> <td>Accrued Mechanical Overhaul</td> <td style="text-align: right;">4.00</td> </tr> <tr> <td>Pump &amp; Cutterhead Wear</td> <td style="text-align: right;">6.00</td> </tr> <tr> <td>Hull Maintenance</td> <td style="text-align: right;">3.60</td> </tr> <tr> <td><b>Estimated Hourly Operating Cost in U.S. Dollars</b></td> <td style="text-align: right;"><b>\$121.94</b></td> </tr> </tbody> </table>		Fuel @ \$4.60/gallon	\$73.14	Insurance	2.00	Labor (2 Men @ \$16.00/Hr.)	32.00	Maintenance (Filters, etc.)	1.20	Accrued Mechanical Overhaul	4.00	Pump & Cutterhead Wear	6.00	Hull Maintenance	3.60	<b>Estimated Hourly Operating Cost in U.S. Dollars</b>	<b>\$121.94</b>
Fuel @ \$4.60/gallon	\$73.14																		
Insurance	2.00																		
Labor (2 Men @ \$16.00/Hr.)	32.00																		
Maintenance (Filters, etc.)	1.20																		
Accrued Mechanical Overhaul	4.00																		
Pump & Cutterhead Wear	6.00																		
Hull Maintenance	3.60																		
<b>Estimated Hourly Operating Cost in U.S. Dollars</b>	<b>\$121.94</b>																		
		<p>*Prices subject to local economics</p>																	

NOTE: Specifications subject to change without notice.