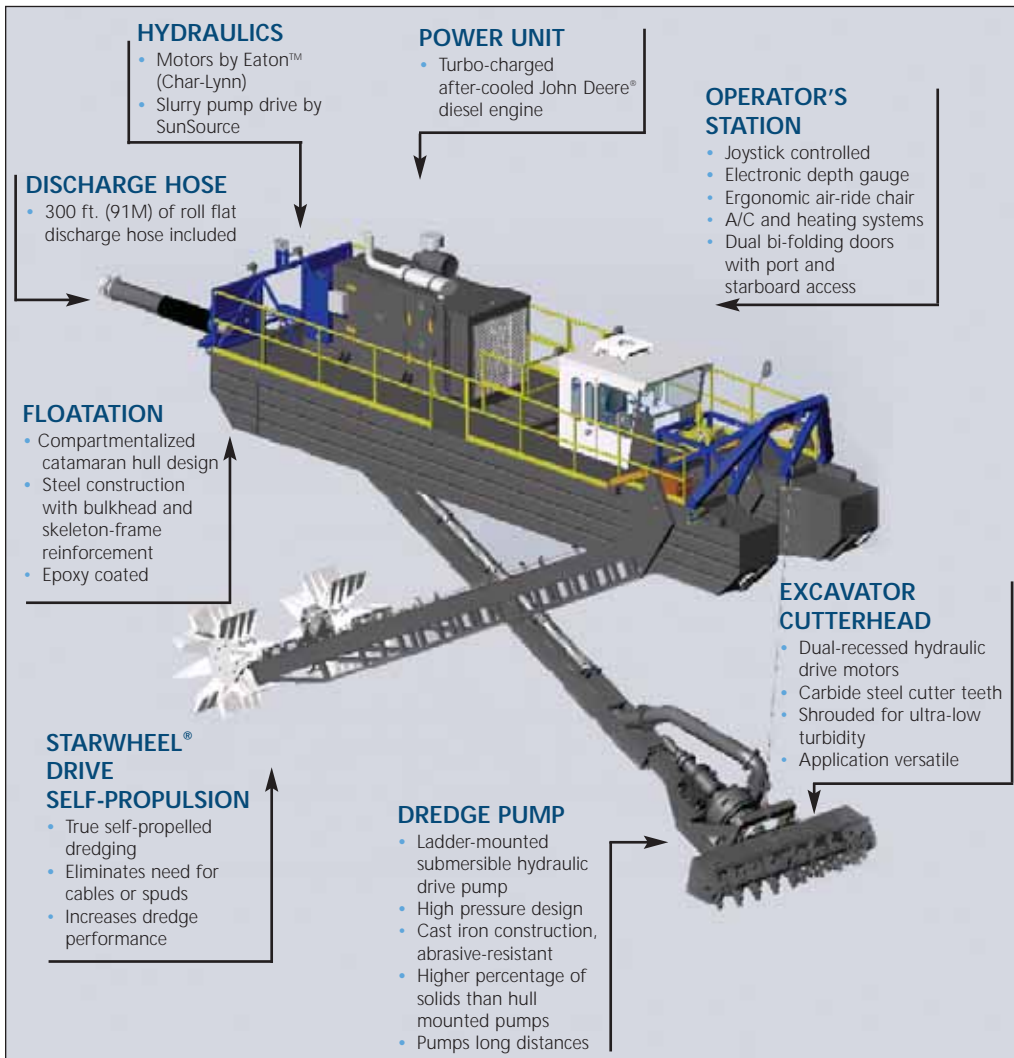


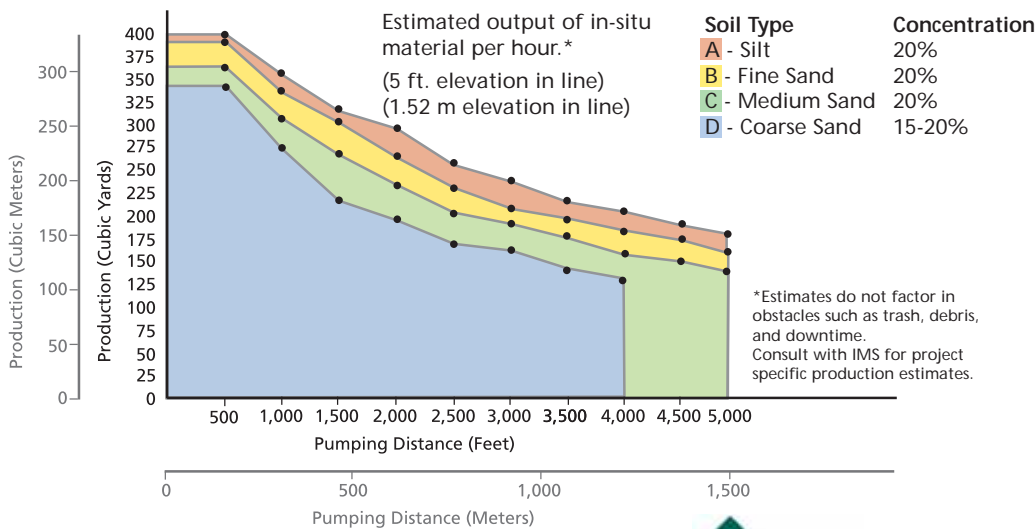
IMS Model 7012 HP Versi-Dredge®



A Model 7012 HP removes sand from a sand mine in Eastern Florida.



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
U.S. hand tool kit and tool box

OPTIONAL EQUIPMENT

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 7012 HP Versi-Dredge®

Dimensions		Dredge Pump	
Length	51 ft. 5 in. (15.7 m)	Type	GIW Cast Iron LCC-M 250-660
Width	12 ft. (3.66 m)	Discharge Diameter	10 in. (254 mm)
Height	10 ft. 5 in. (3.2 m) w/ air cleaner removed	Suction Diameter	12 in. (304 mm)
Weight (less fuel)	47,700 lbs. (21,636 kg)	Impeller Diameter	26 in. (660 mm)
Flotation		Sphere Passage	5.0 in. (127 mm)
Pontoons	Two (2) pontoons, 45 in. x 43 in. x 468 in. (1,143 mm x 1,092 mm x 11,887 mm); 10 ga. steel sides and bottom w/ 1/4" diamond deck; internal bulkheads and stiffeners; and painted w/ a marine grade epoxy-urethane paint	Pump Performance	5,000 gpm (315 liter/sec) @ 125 ft. (38.1 m) TDH (slurry s. g. 1.25) @ 760 rpm w/2,000 ft (609 m) discharge length
Displacement	60,500 lbs. (27,400 kg)	Speed (variable)	0 tp 760 rpm
Draft	35 in. (889 mm)	Controls	
Working Capacity		Electronic joystick controls are provided in a climate controlled cab.	
Cut	135 in. (3,430 mm) wide x 26 in. (660 mm) deep	Propulsion	
Working Depth	30 ft. (9.1 m)	STARWHEEL® Drive Self-Propulsion system; cable drive optional	
Engine		STARWHEELS® are individually operated for high maneuverability	
Type	John Deere Diesel Model 6135HF070, 6 cylinder 13.5L, 425 HP (317 kw) @ 2,100 rpm.	Speed (variable)	0 to 15 rpm (starwheel drive) 0 to 55 fpm (cable drive)
Fuel Capacity	400 gal. (1,516 liters)	Electrical System	
Fuel Consumption	20.6 gal/hr (79.4 lit/hr)	Voltage	12 volt, negative ground
Hydraulic Systems		Alternator Output	130 Amp
Circuit #1	Slurry Pump 7.9 in ³ /rev. 80 gpm (5.05 liter/sec.) @ 5,500 psig	Corrosion Protection	
Circuit #2	Cutterhead, Boom, Winches and STARWHEELS® 7.9 in ³ /rev. load sense 72 gpm (4.54 liter/sec.) @ 2,500 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.
Reservoir	120 gal. (454 liters)	Cathodic protection	Standard
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 is optional	Available Accessories	
Cutterhead		Talk with a representative about options and custom features available	
Cutterbar	Diameter: 26 in. (660 mm) Length: 135 in. (3,430 mm) Replaceable hardened steel excavator blades available with paddlebar for materials that are not easily slurried	Hourly Estimated Operating Costs	
Drive	Recessed dual hydraulic motor; direct drive with no gear reduction	Fuel @ \$4.60/gallon	\$94.76
Speed (variable)	0 to 95 rpm @ 2,500 psi	Insurance	2.00
Torque	23,885 in-lbs (2,969 N-m) @ 2500 psi (peak)	Labor (2 Men @ \$16.00/Hr.)	32.00
Cutter Tip Force	1,837 lbs. (8,171 N)	Maintenance (Filters, etc.)	1.20
		Accrued Mechanical Overhaul	4.00
		Pump & Cutterhead Wear	5.00
		Hull Maintenance	3.60
		Estimated Hourly Operating Cost in U.S. Dollars	\$142.56
		*Prices subject to local economics	

NOTE: Specifications subject to change without notice.