

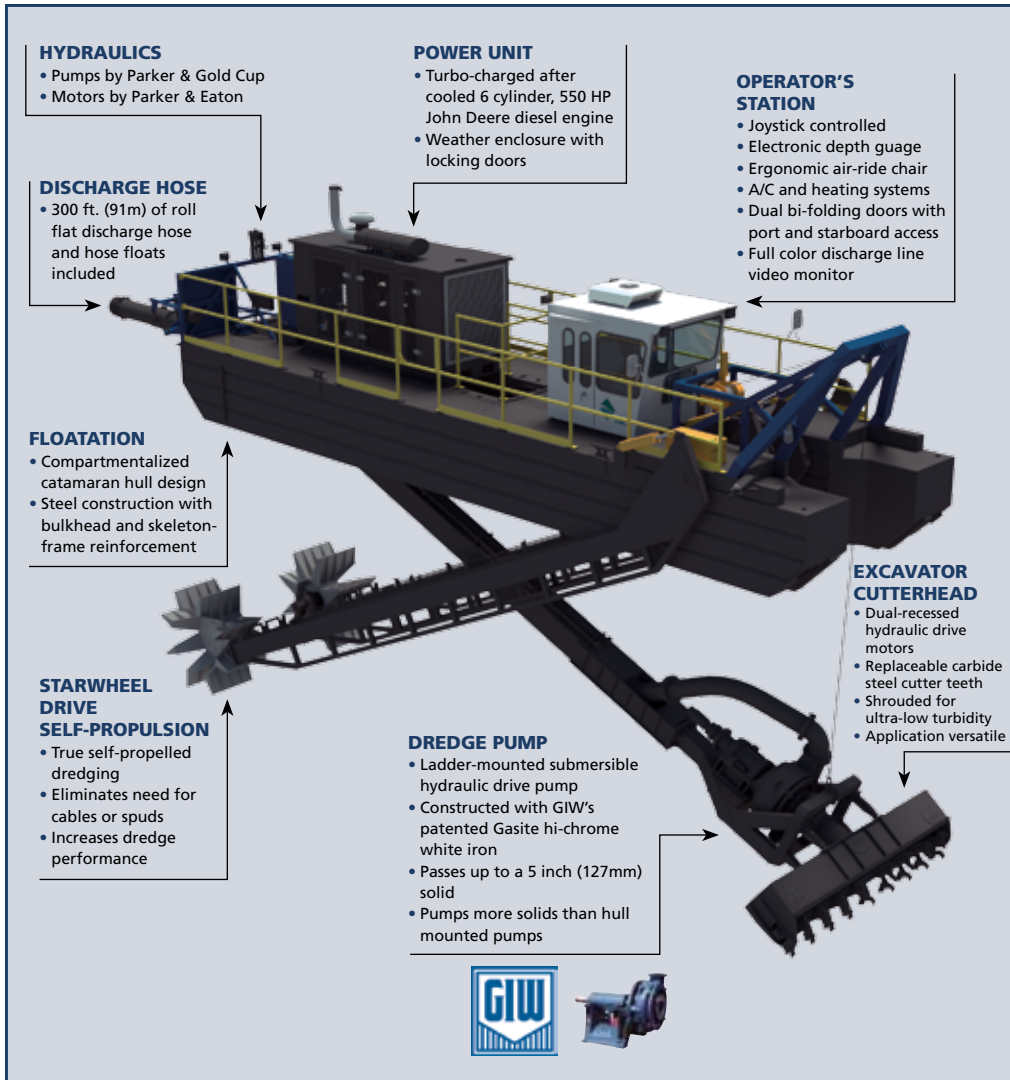
# IMS Model 8012 HP Versi-Dredge®



<b>Dimensions</b>		<b>Dredge Pump</b>	
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)	48,000 lbs. (21,772 kg.)	Impeller Diameter	26 in. (660 mm)
<b>Flotation</b>		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	6,000 gpm (378.5 liters/sec) @ 125 ft. (38.1 m) TDH (slurry s. g. 1.25) @ 781 rpm w/2,000 ft. (610 m) discharge length
Displacement	60,500 lbs. (27,400 kg.)	Speed (variable)	0 to 781 rpm
Draft	35 in. (889 mm)	<b>Controls</b>	
<b>Working Capacity</b>		Electronic joystick controls are provided in a climate controlled cab.	
Cut	135 in. (3,430 mm) wide x 26 in. (660 mm) deep	<b>Propulsion</b>	
Working Depth	30 ft. (9.1 m)	STARWHEEL® Drive Self-Propulsion system; cable drive optional	
<b>Engine</b>		STARWHEELS® are individually operated for high maneuverability.	
Type	John Deere Diesel Model 6135HF485, 6 cylinder 13.5L, 550 HP (410 KW)	Speed (variable)	0 to 15 rpm (STARWHEEL® drive) 0 to 55 fpm (cable drive)
Fuel Capacity	400 gal. (1,516 litres)	<b>Electrical System</b>	
Fuel Consumption	22 gal/hr (83.3 lit/hr)	Voltage	12 volt, negative ground
<b>Hydraulic Systems</b>		Alternator Output	130 Amp
Circuit #1	Slurry Pump 7.9 in <sup>3</sup> /rev. 80 gpm (5.05 liter/sec.) @ 5,700 psig	<b>Corrosion Protection</b>	
Circuit #2	Cutterhead, Boom, Winches and STARWHEELS® 7.9 in <sup>3</sup> /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 galvanneal 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	<b>Available Accessories</b>	
<b>Cutterhead</b>		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	<b>Hourly Estimated Operating Costs</b>	
Drive	Recessed dual hydraulic motor; direct drive with no gear reduction	Fuel @ \$4.00/gallon	\$88.00
Speed (variable)	0 to 62 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
		<b>Estimated Hourly Operating Cost in U.S. Dollars</b>	<b>\$135.80</b>
		*Prices subject to local economics	

NOTE : Specifications subject to change without notice.

# IMS Model 8012 HP Versi-Dredge®



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
- Windless system for cable drive
- Climate-controlled operator cabin
- Pump/cutterhead view window
- Cathodic protection

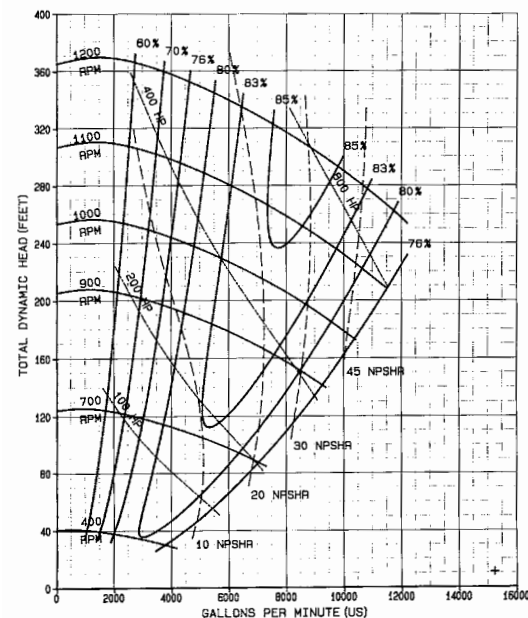
- Joystick controls
- Ergonomic air-ride swivel chair
- Digital depth gauge
- Horn
- 360 degree lighting
- U.S. hand tool kit and tool box
- Spotlight
- Closed loop video monitor for discharge
- Sound system

## OPTIONAL EQUIPMENT

- Broadcaster Discharge Attachment
- GPS System (w/sub-meter accuracy)
- Slurry thickness tattle tail
- Pipe, hose, saddle floats
- Navigation lights

\*\*\* Call IMS for production estimates \*\*\*

## PUMP CURVE



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

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