

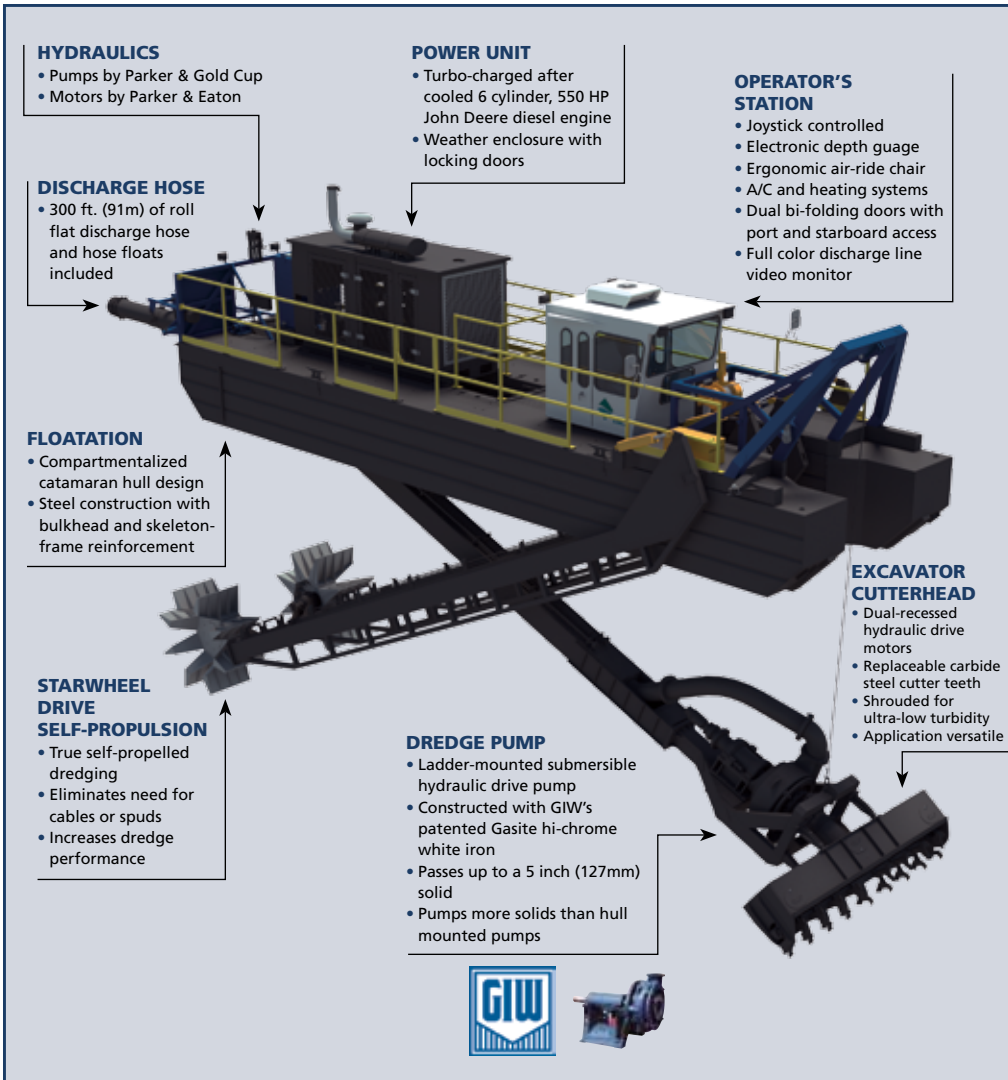
IMS Model 8012 HP Versi-Dredge®



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)	48,000 lbs. (21,772 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	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)	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 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)	Electrical System	
Fuel Consumption	22 gal/hr (83.3 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.) @ 5,700 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 @ \$4.00/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
		Estimated Hourly Operating Cost in U.S. Dollars	\$135.80
		*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

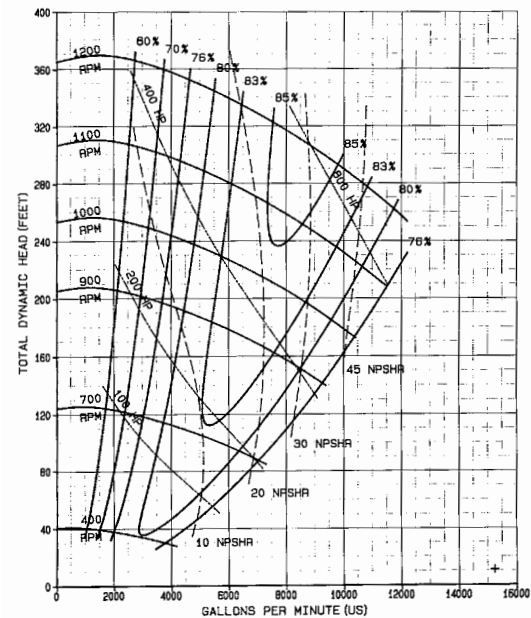
- Joystick controls
- Ergonomic air-ride swivel chair
- Digital depth gauge
- Horn
- 360 degree lighting
- U.S. hand tool kit and tool box
- Spotlight
- Closed loop video monitor for discharge
- Sound system

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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