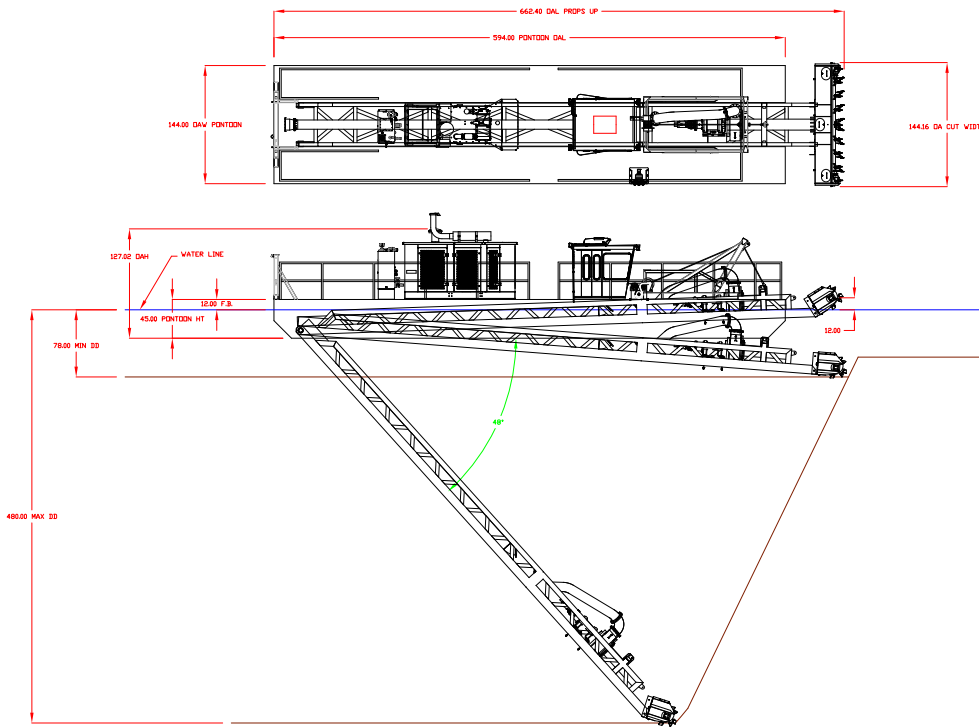


IMS MODEL DM-40 DEPTH MASTER



An IMS Depth Master dredges a reservoir in SE Asia.



Typical sand output.

IMS DM-40 Competitive Advantages

FEATURE	BENEFIT
40 ft. (12.2m) Dredging Depth	Deepest digging one truck transportable ladder pump dredge in the world.
One Truck Transportable	Fits fully assembled on a single truck. No assembly or disassembly ever required for launching or transport. Ideal for environments that may experience inclement weather or security situations.
Cable Drive System	Operates in up to a 5 knot current with a versatile cable drive system. System works in 2-point, 3-point, and 4-point anchor configurations. Use shore anchor points or underwater anchor points.
Ease of Operation	Once the pump and cutter are engaged the operator only needs to control ladder depth and forward and reverse on the travel cable.
Low Maintenance	There are fewer hydraulics on the DM-40 than other cutter suction dredges. This means lower annual maintenance costs and lower chance of down time.
Ladder Mounted GIW Pump	The DM-40 has a ladder mounted hi-chrome GIW 10x12 sand pump that is coupled with IMS's vacuum shrouded SolidsMaster Cutterhead. The pump's proximity to the cutterhead enable it to get a higher percentage of solids (5%+) over standard hull mounted pump dredges.



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

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Recipient of the U.S. President's E-Award

IMS MODEL DM-40 DEPTH MASTER



Dimensions		Drive	Recessed dual hydraulic motor; direct drive with no gear reduction
Length	55 ft. 6 in. (16.82 m)	Speed (variable)	0 to 60 rpm
Width	12 ft. (3.66 m)	Torque	23,885 in-ibs (2,969 N-m) @ 2500 psi (peak)
Height removed	10 ft. 6 in. (3.23 m) pre cleaner	Cutter Tip Force	1,837 lbs (8,173 N)
Weight (less fuel)	58,500 lbs. (26,535 kg)	Dredge Pump	
Flotation		Type	GIW Cast Iron LCC-M 250-660
Pontoons	Two (2) pontoons. 45 in. x 46 in. x 594 in. (1,143 mm x 1,168 mm x 15,088 mm); 10 ga steel sides and bottom w/ 1/4" anti-skid deck; internal bulkheads and stiffeners; and painted w/ a marine grade paint system	Discharge Diameter	10 in. (254 mm)
Displacement	88,800 lbs. (37,920 kg)	Suction Diameter	12 in. (304 mm)
Draft	32.0 in. (813 mm)	Impeller Diameter	26 in. (660 mm)
Working Capacity		Sphere Passage	5 in. (127 mm)
Cut	135 in. wide x 26 in. deep (3,430 mm wide x 660 mm deep)	Pump Performance	5,000 gpm (315 liter/sec) @ 134 ft. (40.8 m) TDH (slurry s. g. 1.25) @ 752 rpm w/2000 ft (609 m) discharge length & 20 ft (6.1 m) Static lift
Working Depth	6.50 - 40 ft. (1.98 - 12.19m)	Speed (variable)	0 to 752 rpm
Engine		Controls	Electronic joystick controls are provided in a climate controlled cab.
Type	John Deere Diesel Model 6135HF070, 6 cylinder	Propulsion	Cable drive
Fuel Capacity	13.5L, 445 HP (317 kw) @ 1,900 rpm 400 gal. (1,516 liters)	Speed (variable)	0 to 55 fpm (cable drive)
Hydraulic System		Electrical System	
Circuit #1	Slurry Pump 11.4 in ³ /rev. 110 gpm (6.94 liter/sec.) @ 5,000 psig	Voltage	12 volt, negative ground
Circuit #2	Cutterhead, Boom, and Winches 8.5 in ³ /rev. load sense 82.5 gpm (5.20 liter/sec.) @ 2,500 psig	Alternator Output	130 Amp
Reservoir 2	120 gal. (454 litres)	Corrosion Protection	
Filtration	1 tank mounted return filter with a 5-micron (min.) rating with indicator and cab warning light remote charge filter for the slurry pump circuit 5-micron rating (min.) with indicator and cab warning light	Standard Paint	Superstructure and hull are sandblasted and painted with two coats of marine epoxy and top coated with a marine urethane suitable for saltwater service. A self healing zinc clad undercoating is applied to above deck surfaces. The cab is made with galvaneal steel. Submerged hull surface are top coated with two coats of anti-fouling paint. Average paint is 12 mils (DFT) minimum.
Cutterhead		Cathodic protection	Standard
Cutterbar	Diameter: 26 in. (660 mm) Length: 135 in. (3,430 mm) Replacable hardened steel excavator blades available with paddlebar for materials that are not easily slurried	Available Accessories	Talk to a representative about options and custom features available.

NOTE : Specifications subject to change without notice.