

MORAY



Conventional/Swinging Ladder Dredge

The Moray Class Dredge is very unique in that it offers a swinging ladder configuration along with an underwater dredge pump. The newly designed Moray has proven itself to be highly productive and transportable, giving a new meaning to a contractor's "dream machine".

DSC engineers designed the Moray with the concept of portability in mind. Both 8-inch and 12-inch Moray configurations are single truck transportable through most of the United States. We have seen success with the use of this dredge in industries such as: waterway maintenance, lake revitalization, aquaculture, environmental clean-up, and irrigation projects. The Moray dredge offers a very versatile dredge in a small portable package, which can't be matched by any other manufacturer in the world!

A recent trend in the dredging industry is to pump low flow rates with higher percentage solids and the Moray follows this tendency with its hydraulically driven underwater pump assembly. It has also been successfully used where flow rates need to be minimized to pump into geotubes or retention areas that do not allow for large volumes of water.

The Standard Moray Class Dredge features a closed loop hydraulically driven underwater pump, power up/down winches with API rated drums for proper cable storage, a PLC based operating system and stern

kicker spud for dredge advancement and positioning. Some of the optional equipment includes: swing winches for conventional mode operations, traveling spud carriage, dredge automation, production instrumentation or GPS dredging systems. When you are looking for a highly portable dredge coupled with extreme performance, a Moray Class dredge is your answer!

General: all dredges feature a PLC based operating system with color touch screen interface, electro-proportional hydraulic circuits, engineered for portability, Caterpillar engine and power up/down spud system. Detailed specifications available upon model determination.



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MODEL MO-2000-16D

8" (203 mm) Suction x 8" (203 mm) Discharge

OVERALL LENGTH	42.8 ft (13 m)
OPERATING WIDTH	18.5 ft (5.6 m)
APPROXIMATE WEIGHT	35,000 lbs (15.9 t)
DREDGING DEPTH	16 ft (4.9 m)
PRIME MOVER	275 hp Tier 3 (205 kW Stage IIIA)
DREDGE PUMP	19.5 in (495 mm) impeller
CUTTER POWER	25 hp (19 kW)
LADDER LIFT/SWING	cylinder
SPUD LIFT	power up/power down winch
SPUD	8 in (203 mm) square
PROPULSION	articulating rear spud



PLC based operating system with color touch screen interface



The Moray is single truck transportable

Detailed 12" Moray specifications available upon request.