

STANDARD SPECIFICATIONS							
GENERAL	MD-615		MD-815		MD-820		MD-820P
Weight	23,000 lbs. (10,431kg)		26,500 lbs. (12,020kg)		28,500 lbs. (12,295kg)		29,500 lbs. (13,381kg)
Length	37ft 6in (11.43m) O.A.		38ft 6in (11.73m) O.A.		46ft 4in (14.12m) O.A.		
Height	8ft 6in (2.59m)		8' 10" (2.69m)				9ft 8in (2.95m)
Width	Transport 9ft (2.74m) Working 9ft 11in (3.02m)		9' 11" (3.02m)				Transport 9ft 11in (3.02m) Working 11ft 10in (3.60m)
Draft	22in (559mm)		25in (635mm)				
Fuel Capacity	244 U.S. gallons (932 L)		325 U.S. gallons (1230 L)				
Dredging Depth Maximum	15ft (4.57m)				20ft (6.1m)		
ENGINES							
Type	John Deere	Cummins	John Deere	Cummins	John Deere	Cummins	Cummins
Model	6068	QSL9	6090	QSL9	6090	QSL9	QSL9
Power	266 BHP (198 kW) @ 2000RPM	280 BHP (209kW) @ 2000RPM	375 BHP (280 kW) @ 2200RPM	345 BHP (257 kW) @ 2000RPM	375 BHP (280 kW) @ 2200RPM	345 BHP (257 kW) @ 2000RPM	345 BHP (257 kW) @ 2000RPM
Rating	US EPA Marine Tier 3	EU Stage IV / US EPA Tier 4 Final	US EPA Marine Tier 3	EU Stage IV / US EPA Tier 4 Final	US EPA Marine Tier 3	EU Stage IV / US EPA Tier 4 Final	EU Stage IV / US EPA Tier 4 Final
CUTTER ASSEMBLY							
Type	Horizontal with full-width, flow-through suction (Paddle and cutting teeth available)						
Speed	Variable 0-80 RPM (forward and reverse)						
Torque	30,828 in-lbs. (3,483 N-m)						
PUMP							
Type	Hi-Chrome cast iron, centrifugal, full recessed impeller						
Impeller	22in (559mm)		25in (63.5 cm)				
Suction	6in (152mm)		8in (203mm)				
Discharge	6in (152mm)		8in(203mm)				
Capacity (water @ 68°F)	Variable to 2,500 GPM (9,464 L/min) @ 136ft (41.5m) head (water @ 68°F)		Variable to 3,500 GPM (13,249 L/min) @ 135ft (41.1m) head (water @ 68°F)				
Recommended Discharge Pipe	8in (203mm)		8in (203mm) or 10in (254mm)				
PROPULSION							
Type	Treble sheave hydraulic winch						
Traverse Speed	Variable 0-50 ft/ min (0-15.24m/ min)						
Cutting Speed	0-15 ft/ min (0-4.57m/ min)						
HYDRAULIC SYSTEM							
Description	Three independent variable displacement, hydrostatic circuits/One - fixed displacement, valve controlled circuit						
Reservoirs	Total 100 U.S. gallons (378.5 L)						
Filtration	Protected high and low pressure hydrostatic loops with charge and working circuits.						
PONTOONS							
Pontoons	Full length formed steel with integral bulkheads and stiffeners for added rigidity. Foam filled						



MD-820P Shown

CUTTER HEAD



MD-615 Shown



MD-820P Cab Shown



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HORIZONTAL DREDGES

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MD-820 • MD-820P



MD-820P Shown



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MD-815 Shown