



VMI, INC.

MD-1230CS



SPECIFICATIONS

GENERAL	
Length Overall	75' 2" (22.91 m)
Height (top of cab)	14' 8" (4.47 m)
Width	20' 1" (6.12 m)
Weight (Approx.)	100,000 lbs (45,351 kg)
Draft (Approx.)	2' 6" (76.2 cm)
Fuel Capacity	1200 U.S. gallons (4,542 L)
ENGINE	
Type	Caterpillar / Cummins
Model	C18 / QSK19
Power	700 BHP (522kW) @ 2100 RPM / 700 BHP (522kW) @ 2000 RPM
TRANSMISSION	
Description	Single speed marine - Coupled direct to pump shaft
PUMP	
Type	Hi-chrome cast iron, centrifugal, closed-vane impeller
Impeller	36" (91.44 cm) 4-Vanes / 5.875" (149mm) Sphere Passage
Suction	14" (355 mm)
Discharge	12" (305 mm)
Capacity (water @ 68°F)	Variable to 7,000 GPM (442 L/S) @ 226' (68.8 m) head @ 700 RPM
CUTTER ASSEMBLY	
Type	5 Blade serrated edge standard (Optional 6 blade) (Optional cutting edges)
Size	36" (91.4 cm) inside diameter
Speed	Variable 0-30 RPM (forward and reverse)
Power	63.7 HP (47.5 kW) @ 30 RPM
Torque	133,898 in-lbs. (15,128 N·m)
Operating Depth	Variable to 30' (9.14 m)
HULL	
Description	3 piece sectional design with integral bulkheads and stiffeners, formed for rigidity
BOOM	
Description	Tubular truss design with dual hydraulic cylinder lift, power up and down
SWING WINCHES	
Capacity	16,000lb (7,256 kg) First layer line pull
CAB	
Description	Two side entry doors, large windows on all sides, (Optional heat & air conditioning)
Size	8' (2.44 m) wide x 6' (1.83 m) long x 7' (2.13 m) tall
SPUDS	
Description	Hydraulic powered, gear rack and pinion drive, power up and down (Free float optional)
Length	37' 7" (11.45 m)
HYDRAULIC SYSTEM	
Pumps	Two - variable displacement, axial piston / One - fixed displacement
Motors	Fixed displacement
Filters	Protected hydrostatic loop, high pressure suction & return
ELECTRICAL SYSTEM	
Alternator	Output - 60 amp
Voltage	24 volt engine and operating controls / (Optional 120 volt work lights and outlets)
Diesel Generator (Optional)	7500W, 120 volt, 62.5 amp
STANDARD FINISH	
Lower Structure	Black Shear Tar Epoxy Paint
Upper Structure	Blue and White Epoxy Paint

Specifications subject to change without notice

Jan-10