

MD-820 CS & MD-830 CS

VMI Cutter Suction Dredge Specifications

Component	MD-820 CS	MD-830 CS
General		
Length	49' (14.94m) O.A. approx.	62' (18.9m) O.A. approx.
Width	10' (3.05m) to 16' (4.88m)	12' (3.66m) to 16' (4.88m)
Height	12' (3.66m) working 10' (3.05m) shipping	
Draft (approx.)	29" (73.66cm)	
Weight (approx.)	50,000 lbs. (22,700kg)	65,000 lbs. (29,510kg)
Engine (Caterpillar & Others Available)		
Type	Cummins QSM-11	
Power	Rating - 350 HP (261kw) @ 2100 RPM	
Pump		
Impeller	24" (60.96cm) to 30" (76.2cm)	
Suction	10" (25.4cm)	
Discharge	8" (20.32cm)	
Rating	2500 GPM (9,643 L/min) to 3000 GPM (11,356 L/min)	
Working Capacity		
Cut	60 degrees	
Depth	Variable to 20' (6.1m) max.	Variable to 30' (9.14m) max.
Drive		
Clutch	2-18" (45.72cm) diameter	
Transmission	Poly-chain belt	
Hydraulic System		
Type	Gear Pumps	
Spuds		
Type	Heavy wall x 28' (8.53m)	Heavy wall x 38' (11.58m)
Electrical System		
Alternator Output	65 amps	
Battery	2 - 12 volt heavy duty	
Gauges		
Oil pressure, hydraulic pressure, pump pressure, pump vacuum, water temperature, oil temperature, all circuit hydraulic pressures, volt meter and hour meter.		
Finish		
Upper Structure	Blue and white epoxy	
Lower Structure	Coal tar epoxy	
Options		
Air Conditioning, Flow Meter, Stereo, C.B. Radio, Additional Working lights, & More		

Note: Specifications subject to change without notice