

# ROTOMITE 600CD DREDGE



Kayden provides Crisafulli's all-purpose Rotomite 600CD dredges for use in municipal and industrial dredging applications to withstand high abrasive and corrosive conditions. Powered by a diesel engine and designed with safety in mind with 360-degree visibility and safety guardrails surrounding the dredge. The dredge operator will be able to articulate the cutterhead to keep the cutting teeth at the right angles to the face of the dredged materials.

## FEATURES AND BENEFITS

- Dredging capabilities in high abrasive applications such as sand
- Powered by a 275 HP John Deere diesel engine
- Sophisticated instrumentation options measure dredging performance
- High solids dredging performance with minimum turbidity
- Easily transported to multiple sites
- Reliable and built for lasting operation and performance



## TRANSPORTATION DIMENSIONS

## ABBRASIVE 6" DREDGE

<b>Pump Flow Rate</b>	2,000 GPM at 100 Feet TDH
<b>Productivity</b>	150 Cubic Yards Per Hour of Solids
<b>Maximum Excavation Depth</b>	6.09 M (20 Feet)
<b>Maximum Excavation Speed</b>	10 Feet Per Minute
<b>Length (Overall)</b>	39.5 Feet (12.04M)
<b>Weight</b>	11,793 Kg (26,000 lbs)
<b>Engine HP (Continuous)</b>	275 HP @ 2200 RPM
<b>Cutterhead Width</b>	2.9 M (9.7 Feet)
<b>Fuel Consumption (Maximum)</b>	12.3 Gallons Per Hour
<b>Dredge Controls</b>	Sludge Pump Speed, Cutterhead Depth, Cutterhead Articulation, Thruster Depth, Work Lights, Cab Climate Control.

**\*full specifications on the next page**



## DREDGING CONTROLS

<b>Engine Power, Speed</b>	Cable Traverse Speed/Direction
<b>Thruster Depth</b>	Thruster Speed/Direction
<b>Sludge Pump Speed</b>	Cutterhead Auger Fwd/Off/Rev
<b>Cutterhead Depth</b>	Cutterhead Articulation
<b>Work Lights</b>	Cab Climate Control

## SPECIFICATIONS

## INSTRUMENTATION

Engine speed, Temperature, Hours, Oil Pressure, Fuel Level  
Hydraulic Pressure: Pump, Thruster, Cutterhead, Auxillary  
Hydraulic Oil Level and Temperature  
Hydraulic suction vacuum warning lights  
Sludge pump discharge pressure  
Cutterhead Depth and Angle  
Electromagnetic Flowmeter  
Rear view camera

## NOTES

Rotomite performance varies depending upon sludge type.  
Performance curves are available seperately.



## TRANSPORTATION DIMENSIONS

<b>Model Number</b>	Rotomite 6000CD
<b>Length (Overall)</b>	12.04 M (39.5 Feet)
<b>Length (Pontoons)</b>	10.06 M (33 Feet)
<b>Width</b>	2.96 M (9.7 Feet)
<b>Height (Max)</b>	3.05 M (10 Feet)
<b>Weight (Max)</b>	13,607 Kg (30,000LBS)
<b>Draft (Max)</b>	0.84 M (33 Inches)
<b>Freeboard (Min)</b>	0.20 M (8 Inches)
<b>Engine</b>	John Deere 6068 Water Cooled Diesel 225 HP Cont @ 2200RPM
<b>Fuel Consumption</b>	46.56 L/HR (12.3 Gal/Hr)
<b>Fuel Capacity</b>	984L (260 Gallons)
<b>Cutterhead Width</b>	2.96 M (9.7 Feet)
<b>Cutterhead Torque</b>	1,242 N-M (11,000 IN-LBS)
<b>Cutterhead Speed</b>	55 RPM (FWD/REV)
<b>Excavation Depth</b>	20 Feet
<b>Cast Slurry Pump</b>	6X8 GIW LCCM 150-500 Abrasion Resistant Alloy
<b>Performance in Water</b>	454 M <sup>3</sup> /HR at 30.5 M TDH (2000 GPM at 100 Feet TDH) 227 M <sup>3</sup> /HR at 61.0 M TDH (1000 GPM at 200 Feet TDH)
<b>Solids Passage (Max)</b>	76MM (3 Inch)
<b>Discharge Diameter</b>	6 Inch or 8 Inch
<b>Cable Traverse System</b>	Up to 8.8M/Min (29 Feet/Min) 4000 LB Winch
<b>Azimuth Thruster</b>	Hydraulic Power Steering 180 Degree Range of Motion 1000 Pounds of Thrust
<b>Operator Station</b>	Full enclosure with doors Rooftop Heat/AC Unit

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