



10" Crusader class sand & gravel dredge

- Dredge Pump:** Metso Svedala JU36, 10" x 12", 3-vane Nihard impeller.
- Main Power Unit:** Caterpillar C16, TIER II, 500 continuous horsepower @ 1,800 rpm.
Accessory Power Unit: Caterpillar C9, TIER II, 275 continuous horsepower @ 1,800 rpm.
 Both Power Units are mounted on anti-vibration mounts.
- Dredge Pump Drive:** *Sidewinder* gear reduction and Torqueshaft.
- Hull/Flotation:** Hull: ¼" plate with watertight bulkheads.
 Pontoons: ¼" plate with watertight bulkheads,
 2,000 gallon fuel capacity.
- Ladder:** 100' overall length. 85' maximum mining depth.
- Hydraulic system:** Commercial Intertech pump, 100 gallon reservoir with electric-hydraulic valves. Both high pressure and return hydraulic oil filters.
- Linear Cutter:** Twinkle Co Marauder Style Linear Cutter rated at 30,000 lb maximum cutter force using 8" pitch self cleaning chain.
- Rigging:** 3 Pullmaster M12 hydraulic positioning winches using MOAB blocks.
 1 Pullmaster M25 hoist winch using BRUTE blocks.
- Operators Cab:** Insulated, tinted windows, heated and A/C.
 LCAP touchscreen, CONVAC system, proportional joysticks.
- Dimensions:** Overall length: 132'
 (assembled) Overall width: 30'
 Total displacement: 218,000 pounds

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