

Series 460SL Swinging Dragon Dredge



12" x 12" (300 mm x 300 mm) Hydraulic Cutter Suction Dredge

The Series 460SL **SWINGING DRAGON**[®] cutterhead dredge is a 12" (300 mm) swinging ladder dredge. Features include:

- Ability to switch from swinging ladder to conventional mode, depending upon the project requirements.
- Swinging ladder mode allows for use in narrow channels and eliminates the need for cables and anchors.
- The conventional dredging mode allows for wider swing widths for optimal precision cut and production efficiency.

- Easily assembled using standard hand tools and marine cranes.
- Built-in spud carriage advances the dredge quickly and accurately.
- Heavy-duty structure built to last for many years.
- Ideal dredge for environmental cleanup, waterways and lake projects.



Series 460SL Swinging Dragon Dredge

Dredging Depth. Maximum 20' 6 m GENERAL Length, Overall (with Ladder Raised) 75' 22.9 m Length, Hull 48' 14.5 m Width, Hull (including Side Pontoons) 23' 6.8 m Depth, Hull 4' 1.2 m Number of Pontoons (tanks) 3 Plate Thickness of Center Pontoon 3/16" 5 mm Dry Weight 123,811 lbs 56,159 kg Hull Draft (not Including Spuds) 2'-6" 0.76 m			460SL English	460SL Metric
Dredging Depth. Maximum 20' 6 m			1	
Length, Overall (with Ladder Raised) 75' 22.9 m		Suction Pipe x Discharge Pipe	12" x 12"	300 mm x 300 mm
Length, Overall (with Ladder Raised) 75' 22.9 m				
Length, Hull 48' 14.5 m		Dredging Depth. Maximum	20'	6 m
Length, Hull 48' 14.5 m				
Width, Hull (including Side Pontoons) 23' 6.8 m	GENERAL	Length, Overall (with Ladder Raised)	75′	22.9 m
Depth, Hull Number of Pontoons (tanks) Plate Thickness of Center Pontoon Ory Weight Hull Draft (not Including Spuds) Fuel Capacity Swing Width @ Min. Dredging Depth (Swing Ladder Mode) Swing Width @ Max. Dredging Depth (Conventional Mode) ENGINE AND INSTALLED POWER Rating Cooling CUTTER DRIVE Dry Weight 123,811 lbs 56,159 kg 123,811 lbs 56,159 kg 12,6" 0.76 m 123,811 lbs 56,159 kg 12,000 gallons 3,785 litres 7 m 65' 19.8 m Coff Sharing Tier 3 Cooling Keel Cooler Power at Cutter Shaft 50 HP 37 kW Cutter Speed		Length, Hull	48'	14.5 m
Number of Pontoons (tanks) Plate Thickness of Center Pontoon Dry Weight Aund ENGINE AND INSTALLED POWER Rating CUTTER DRIVE Number of Pontoons (tanks) Plate Thickness of Center Pontoon 3/16" 5 mm 123,811 lbs 56,159 kg 12'-6" 0.76 m 1,000 gallons 3,785 litres 1,000 gallons 3,785 litres 23'-11" 7 m 23'-11" 7 m 65' 19.8 m C-15 Power 540 HP 402 kW Rating Tier 3 Cooling Keel Cooler Power at Cutter Shaft 50 HP 37 kW Cutter Speed		Width, Hull (including Side Pontoons)	23′	6.8 m
Plate Thickness of Center Pontoon 3/16" 5 mm Dry Weight Hull Draft (not Including Spuds) Fuel Capacity 5 wing Width @ Min. Dredging Depth (Swing Ladder Mode) Swing Width @ Max. Dredging Depth (Conventional Mode) ENGINE AND INSTALLED POWER Rating Cooling Fuel Capacity 1,000 gallons 3,785 litres 7 m 65' 19.8 m C-15 Power 540 HP 402 kW Rating Tier 3 Cooling Keel Cooler Power at Cutter Shaft 50 HP 37 kW CUTTER DRIVE Cutter Speed		Depth, Hull	4′	1.2 m
Dry Weight Hull Draft (not Including Spuds) Fuel Capacity Swing Width @ Min. Dredging Depth (Swing Ladder Mode) Swing Width @ Max. Dredging Depth (Conventional Mode) ENGINE AND INSTALLED POWER Rating Cooling Power at Cutter Shaft Cutter Speed Dry Weight 123,811 lbs 56,159 kg 0.76 m 7 m 23'-11" 7 m 65' 19.8 m C-15 Fower 540 HP 402 kW Keel Cooler			_	
Hull Draft (not Including Spuds) Fuel Capacity Swing Width @ Min. Dredging Depth (Swing Ladder Mode) Swing Width @ Max. Dredging Depth (Conventional Mode) ENGINE AND INSTALLED POWER CUTTER DRIVE Hull Draft (not Including Spuds) 2'-6" 0.76 m 7 m 23'-11" 7 m 65' 19.8 m Coling Main Engine (Caterpillar) C-15 Power 540 HP 402 kW Rating Tier 3 Cooling Keel Cooler Power at Cutter Shaft 50 HP 37 kW Cutter Speed		Plate Thickness of Center Pontoon	3/16"	5 mm
Hull Draft (not Including Spuds) Fuel Capacity Swing Width @ Min. Dredging Depth (Swing Ladder Mode) Swing Width @ Max. Dredging Depth (Conventional Mode) ENGINE AND INSTALLED POWER CUTTER DRIVE Hull Draft (not Including Spuds) 2'-6" 0.76 m 7 m 23'-11" 7 m 65' 19.8 m Coling Main Engine (Caterpillar) C-15 Power 540 HP 402 kW Rating Tier 3 Cooling Keel Cooler Power at Cutter Shaft 50 HP 37 kW Cutter Speed				
Fuel Capacity 1,000 gallons 3,785 litres Swing Width @ Min. Dredging Depth (Swing Ladder Mode) Swing Width @ Max. Dredging Depth (Conventional Mode) ENGINE AND INSTALLED POWER Rating Cooling Cooling Fuel Capacity 1,000 gallons 3,785 litres 7 m 65' 19.8 m Cot-15 Power 540 HP 402 kW Tier 3 Cooling Keel Cooler Power at Cutter Shaft 50 HP 37 kW Cutter Speed 0-39 RPM		Dry Weight	123,811 lbs	56,159 kg
Swing Width @ Min. Dredging Depth (Swing Ladder Mode) Swing Width @ Max. Dredging Depth (Conventional Mode) Main Engine (Caterpillar) Power Rating Cooling Cooling Cutter Speed Swing Width @ Min. Dredging Depth (Swing Ladder Mode) 7 m 23'-11" 7 m 65' 19.8 m C-15 Power 540 HP 402 kW Keel Cooler		Hull Draft (not Including Spuds)	2'-6"	0.76 m
(Swing Ladder Mode) Swing Width @ Max. Dredging Depth (Conventional Mode) Main Engine (Caterpillar) Power S40 HP 402 kW Rating Tier 3 Cooling Keel Cooler Power at Cutter Shaft 50 HP 37 kW CUTTER DRIVE Cutter Speed		Fuel Capacity	1,000 gallons	3,785 litres
(Swing Ladder Mode) Swing Width @ Max. Dredging Depth (Conventional Mode) Main Engine (Caterpillar) Power S40 HP 402 kW Rating Tier 3 Cooling Keel Cooler Power at Cutter Shaft 50 HP 37 kW CUTTER DRIVE Cutter Speed				
Conventional Mode			23′-11″	7 m
Power			65'	19.8 m
Power				
NSTALLED POWER	FNCINE	Main Engine (Caterpillar)	C-15	
INSTALLED POWER Rating Cooling Keel Cooler Power at Cutter Shaft Cutter Speed Cutter Speed Tier 3 Keel Cooler 70 HP 37 kW 0-39 RPM	AND	Power	540 HP	402 kW
Cooling Keel Cooler Power at Cutter Shaft 50 HP 37 kW CUTTER DRIVE Cutter Speed 0-39 RPM		Rating	Tier 3	
CUTTER DRIVE Cutter Speed 0-39 RPM		Cooling	Keel Cooler	
CUTTER DRIVE Cutter Speed 0-39 RPM				
COTTENDATE		Power at Cutter Shaft	50 HP	37 kW
Cutter Diameter 31'-5" 800 mm	CUTTER DRIVE	Cutter Speed	0-39 RPM	
		Cutter Diameter	31'-5"	800 mm
Cutting Force 4,000 lbs 1,815 kg		Cutting Force	4,000 lbs	1,815 kg
SPUDS AND SPUD Size 12" 300 mm	SPUDS AND SPUD CARRIAGE	Size	12"	300 mm
CARRIAGE Length 31' 9.5 m		Length	31′	9.5 m
Spud Carriage (Stroke) 5' 1.5 m			5′	
Specifications Are Subject to Change Without Notice		The state of the s		

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