



The 670 cutterhead dredge is a medium size, portable dredge.

- Inherent stability allows for use in semi-protected waters
- Easy to train on and use.
- Initial investment is relatively low and as it has only one (1) diesel engine.
- The durability of the dredge is high.
- Maintenance quite simple.
- Portable by truck.
- Typical production rate on 1,000m of pipeline is approximately 300 cubic meters per hour

Typical uses of the 670 are medium size navigational projects in small ports, rivers and inland waterways.

The 670 offers a very sturdy, stable dredge that is easy to operate and maintain.

Typical customers government agencies, marine contractors, and small ports and harbors.

It is well suited for first time operators of dredges, whether they be private contractors or government agencies.

		670-33'	670-10M	670-42'	670-12.8M
		English	Metric	English	Metric
GENERAL	Discharge pipe x Suction pipe	12" x 14"	300 x 350	14' x 14"	350 x 350
	Dredging Depth, maximum	33'	10 m	42'	12.8 m
	Length, Overall, with ladder raised	77'-6"	23.62 m	85'-8"	26.11 m
	Length, Hull	50'	15.3	54'	16.5
	Width, Hull, including side pontoons	20'	6 m	20'	6 m
	Depth, Hull	4'	1.22 m	4'	1.22 m
	Number of Pontoons (tanks)	3	3	3	3
	Plate Thickness of center pontoon	1/4"	6 mm	1/4"	6mm
	Dry Weight	135,000 lbs	61,235 kg	138,600 lbs.	62,857 kg
	Hull Draft, not including spuds	2'-10"	0.9 m	2'-4"	0.7 m
Fuel Capacity	2700 gallons	10,221 litres	2700 gallons	10,221 litres	
ENGINE AND INSTALLED POWER	Swing Width @ minimum Dredging Depth	97'	29.6 m	103'	33.2 m
	Swing Width @ maximum Dredging Depth	72'	21.9 m	81'	24.7 m
	Model (Caterpillar)	C-27	C-27	C-27	C-27
	Horsepower	800 HP	596 kW	800 HP	596 kW
CUTTER DRIVE	Rating	Tier 2	Tier 2	Tier 2	Tier 2
	Cooling	Box Cooler	Box Cooler	Box Cooler	Box Cooler
	Power at Cutter Shaft	100 HP	75 kW	100 HP	75 kW
	Cutter Speed	0-36 RPM	0-36 RPM	0-36 RPM	0-36 RPM
SPUDS	Cutter Diameter	43"	1092	43"	1092
	Cutting Force	7,405 lbs	3,358 kg	7,405 lbs	3,358 kg
PRODUCTION	Diameter	16"	400 mm	16"	400 mm
	Length	43'-6"	13.3 m	51'-0"	15.5 M
	Capacity Range of Pumping System	up to 400 yds ³ /hr	up to 325 m ³ /hr	up to 400 yds ³ /hr	up to 325 m ³ /hr