



# Weifang Jin Meng Dredger Co., Ltd.

Longshan Industrial Park, Weifang City, Shandong Province of China

Mobile: +86 15095103151

www.jmdredger.com

## DETAILS SPECIFICATIONS OF JMD350 14INCH CUTTER SUCTION DREDGER



DIMENSIONS		SPUDS	
Length over pontoons	18m	Length	11.5m



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Breadth	5.20m	Diameter	325mm
Depth	1.5m	Weight	1800kg
Mean draught with full bunkers	0.9m	<b>SPUD HOISTING CYLINDERS</b>	
Maximum standard dredging depth	8m	Force	100kN
Suction pipe diameter	350mm	Spud stroke (each time)	2.5m
Discharge pipe diameter	350mm	Deck Crane	
Total installed power	363KW	Lifting power	15KN
<b>SWING WIDTH WITH 35° SWING EACH SIDE</b>		Outreach	2.5m
At maximum dredging depth	16m	<b>Other Features</b>	
At minimum dredging depth	19m	1\ standard design, allowing for short delivery times and competitive pricing	
<b>DREDGE PUMP</b>		2\ spare parts available from stock	
Type	12/10G-H	3\ fresh-water engine cooling system	
Engine type (Cummins)	KTA19-M	4\ fresh-water engine cooling system	
Engine power	351KW @1,800rpm	5\ completely assembled and fully tested afloat before delivery	
Total oil consumption	65L/H	6\ dredge pump driven through integrated bearing block, clutch and reduction gearbox easy and fast assembly and dismantling	
<b>ELECTRICAL INSTALLATION</b>		7\ ready for operation on arrival at site	
Voltage	24V DC	8\ hydraulic ram for ladder hoisting	
Battery capacity	400Ah	9\ special tools are supplied for connecting and disconnecting pontoons and the cutter ladder, and for maintenance of the dredge pump and diesel engine	
Voltage (50Hz)	230/400V AC	10\ wide range of services and optional equipment available (including work boats, boosters and pipelines)	
Power (50Hz)	12KW	Optional extra ' s	
<b>CUTTER</b>		Swing Angle Measurement	
Type	JD60	air conditioning	
Power at shaft	60KW	generator set	
Diameter	1100mm	increased discharge pipeline diameter	
Maximum speed, approx.	30rpm	increased dredging depth	
<b>LADDER AND SWING WINCHES</b>			
Line pull, first layer	40kN		
Maximum line speed	22m/min		



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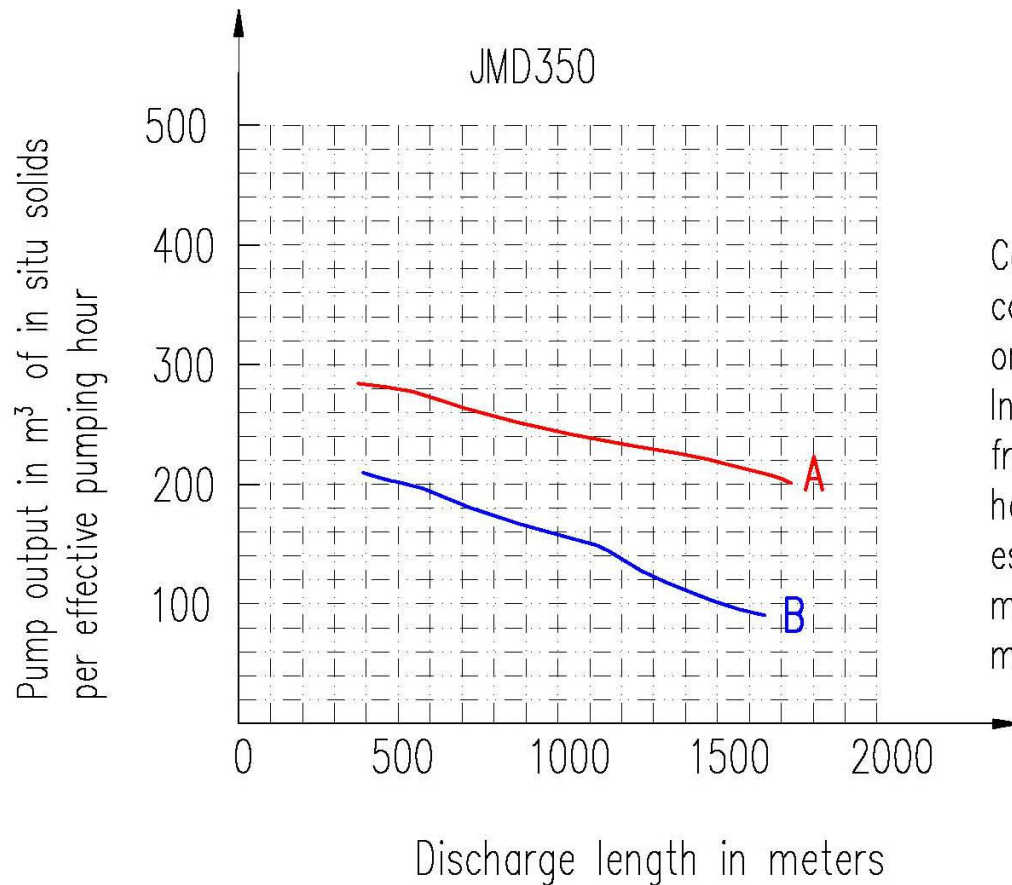
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Wire diameter	16mm	life-cycle support packages (including training, technical support, etc.)
Drum diameter	325mm	optional packages: HSE (health, safety and environment) and nautical
Swing wires length	100m	
Anchor weight	200kg	

Discharge pipe diameter=350mm  
Dredging depth=8.0m  
Maximum volumetric concentration of in situ solids of 25%  
Final elevation at end of discharge pipe=4.0m

Output calculated for:

Soil type	Decisive grain size
A Medium sand	235um
B Coarse sand	440um



Calculated output curves only indicate pumping capacity, based on the maximum available power on the pump shaft and free-flowing material. In actual practice, properties may vary from free-flowing, easily excavated to compacted, hard-to-excavated material. When used for estimation actual outputs, the nature of the material to be dredged and local job conditions must be considered.



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