



# Weifang Jin Meng Dredger Co., Ltd.

Longshan Industrial Park, Weifang City, Shandong Province of China

Mobile: +86 15095103151

www.jmdredger.com

## DETAILS SPECIFICATIONS OF JMD250 10INCH CUTTER SUCTION DREDGER



DIMENSIONS		SPUDS	
Length over pontoons	13m	Length	11.5m
Breadth	4.72m	Diameter	273mm
Depth	1.26m	Weight	1200kg
Mean draught with full bunkers	0.8m	SPUD HOISTING CYLINDERS	



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Maximum standard dredging depth	8m	Force	33kN
Suction pipe diameter	300mm	Spud stroke (each time)	2.0m
Discharge pipe diameter	250mm	Deck Crane	
Total installed power	234KW	Lifting power	10KN
<b>SWING WIDTH WITH 35° SWING EACH SIDE</b>		Outreach	2.0m
At maximum dredging depth	14m	<b>Other Features</b>	
At minimum dredging depth	17m	1\ standard design, allowing for short delivery times and competitive pricing	
<b>DREDGE PUMP</b>		2\ spare parts available from stock	
Type	8/6G-H	3\ fresh-water engine cooling system	
Engine type (Cummins)	NTA855-M	4\ fresh-water engine cooling system	
Engine power	224KW @1,800rpm	5\ completely assembled and fully tested afloat before delivery	
Total oil consumption	42L/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	200Ah	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		
Power (50Hz)	10KW	10\ wide range of services and optional equipment available (including work boats, boosters and pipelines)	
<b>CUTTER</b>		Optional extra's	
Type	JD30	Swing Angle Measurement	
Power at shaft	30KW	air conditioning	
Diameter	850mm	generator set	
Maximum speed, approx.	35rpm	increased discharge pipeline diameter	
<b>LADDER AND SWING WINCHES</b>		increased dredging depth	
Line pull, first layer	25kN	life-cycle support packages (including training, technical support, etc.)	
Maximum line speed	22m/min		
Wire diameter	12mm		



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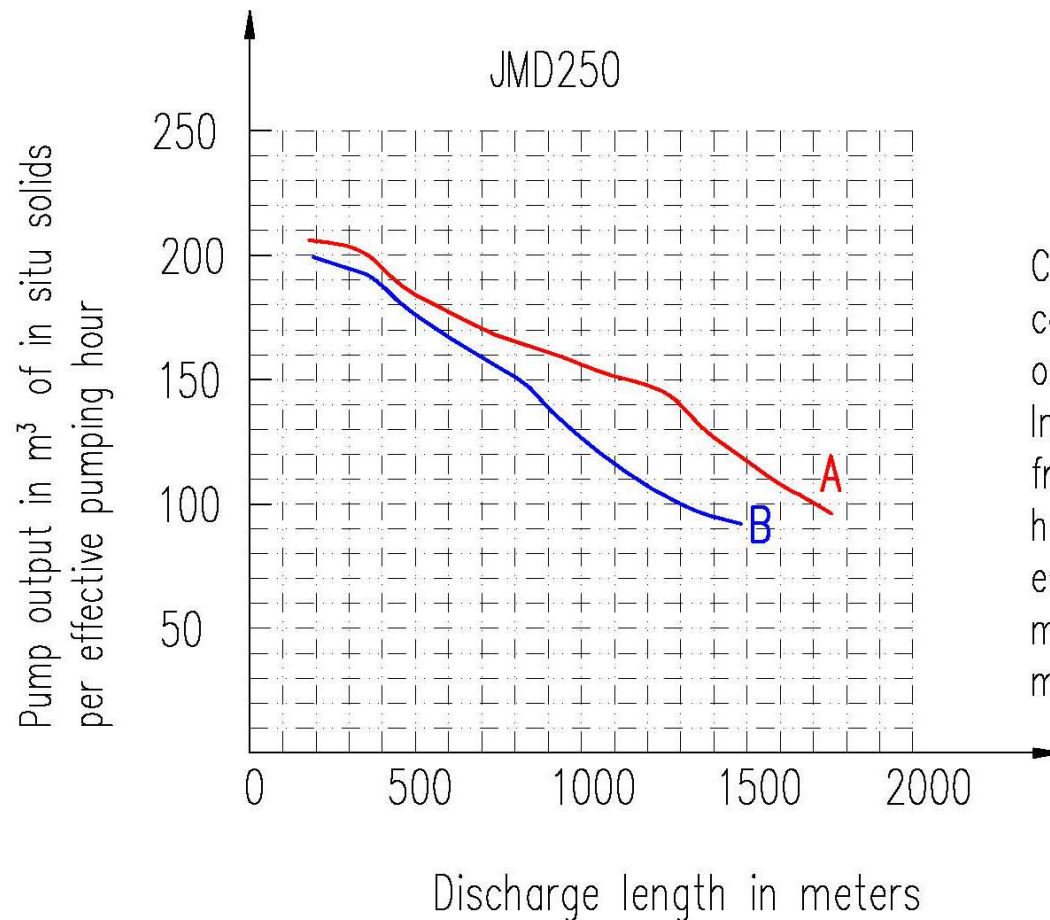
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Drum diameter	273mm	optional packages: HSE (health, safety and environment) and nautical
Swing wires length	75m	
Anchor weight	160kg	

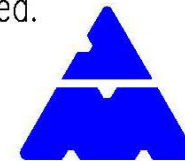
Discharge pipe diameter=250mm  
Dredging depth=8.0m  
Maximum volumetric concentration of in situ solids of 25%  
Final elevation at end of discharge pipe=4.0m

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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