



Weifang Jin Meng Dredger Co., Ltd.

Longshan Industrial Park, Weifang City, Shandong Province of China

Mobile: +86 15095103151

www.jmdredger.com

DETAILS SPECIFICATIONS OF JMD650 26INCH CUTTER SUCTION DREDGER



| DIMENSIONS | | SPUDS | |
|--------------------------------|-------|-------------------------|--------|
| Length overall (ladder raised) | 39m | Length | 22m |
| Length over pontoons | 30m | Diameter | 630mm |
| Breadth | 8.50m | Weight | 8500kg |
| Depth | 2.5m | SPUD HOISTING CYLINDERS | |



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|--|-----------------------------------|--|---------|
| Mean draught with full bunkers | 1.7m | Force | 500kN |
| Maximum standard dredging depth | 16m | Spud stroke (each time) | 2.5m |
| Suction pipe diameter | 700mm | LADDER AND SWING WINCHES | |
| Discharge pipe diameter | 650mm | Line pull, first layer | 140kN |
| Total installed power | 2361KW | Maximum line speed | 22m/min |
| Total oil consumption | 425L/H | Wire diameter | 26mm |
| SWING WIDTH WITH 35° SWING EACH SIDE | | Drum diameter | 450mm |
| At maximum dredging depth | 32m | Swing wires length | 140m |
| At minimum dredging depth | 36m | Anchor weight | 1000kg |
| DREDGE PUMP | | Other Features | |
| Type | 500WN | 1\ standard design, allowing for short delivery times and competitive pricing | |
| Engine type (UK Cummins) | QSK60-M | 2\spare parts available from stock | |
| Engine power | <u>1864KW</u> <u>@1,800rpm</u> | 3\fresh-water engine cooling system | |
| AUXILIARY POWER (CUTTER, WINCHES AND SPUDS) | | 4\fresh-water engine cooling system | |
| Engine type(Cummins) | KTA19-M | 5\completely assembled and fully tested afloat before delivery | |
| Prime power | 447KW | 6\dredge pump driven through integrated bearing block, clutch and reduction gearbox easy and fast assembly and dismantling | |
| ELECTRICAL INSTALLATION | | 7\ready for operation on arrival at site | |
| Voltage | 24V DC | 8\hydraulic ram for ladder hoisting | |
| Battery capacity | 800Ah | 9\special tools are supplied for connecting and disconnecting pontoons and | |
| Voltage (50Hz) | 230/400V AC | the cutter ladder, and for maintenance of the dredge pump and diesel engine | |
| Power (50Hz) | 30KW | 10\wide range of services and optional equipment available (including work boats, boosters and pipelines) | |
| CUTTER | | Optional extra' s | |
| Type | JD350 | | |
| Power at shaft | 350KW | | |



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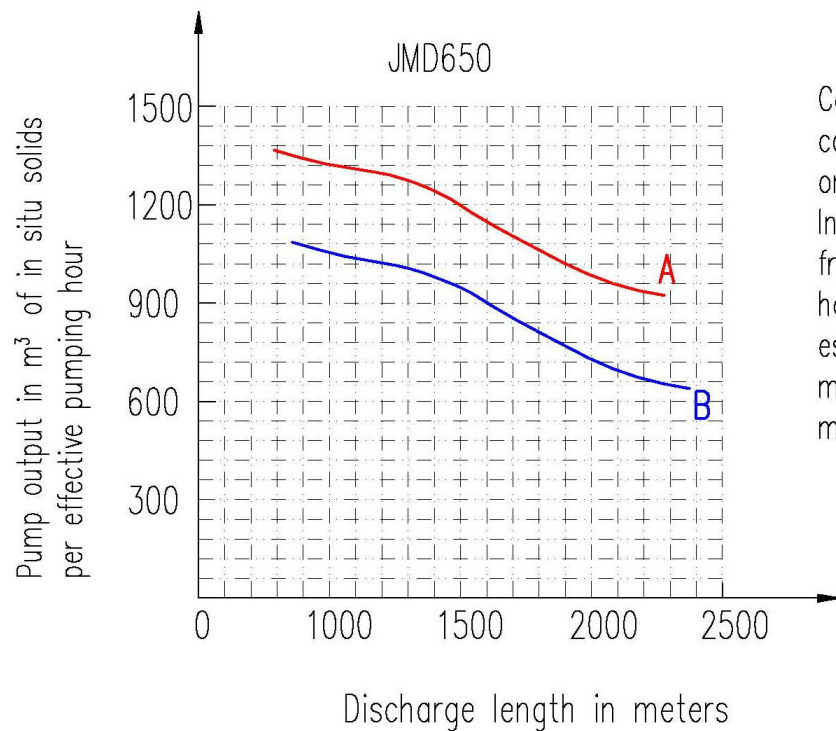
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| | | |
|------------------------|--------|---|
| Diameter | 2000mm | anchor booms |
| Maximum speed, approx. | 30rpm | spud carriage |
| Deck Crane | | Swing Angle Measurement |
| Lifting power | 55KN | air conditioning |
| Outreach | 3.5m | generator set |
| | | increased discharge pipeline diameter |
| | | increased dredging depth |
| | | life-cycle support packages (including training, technical support, etc.) |
| | | optional packages: HSE (health, safety and environment) and nautical |

Discharge pipe diameter=650mm
 Dredging depth=16.0m
 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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