

Mixing unit **M3D** **M5D** **M6D**

The original



General information

Marindco has manufactured over 350 unit of this type. The M3D & M5D were developed special for the HDD drilling rigs with max. drill pump capacity of 750 lpm (200 usgpm). The M6D is a M5D with a smaller engine. The unit can be delivered with two different diesel engines. The mixing pump for the M5D is of an international standard and in hard iron material (450 Br) and with a long life mechanical shaft seal. The M3D and M6D have a KSB centrifugal pump with stuffing box packing.

Between tank and piping, butterfly valves are installed and only for the M5D rubber expansion joints are used.

The use of a high shear nozzle-venturi unit and the recirculation of the flow guaranty a homogeneous bentonite mixture.

All units can be ordered completely covered under the work deck.

Technical data :

Unit type	M3D	M5D	M6D
Mixed mud capacity *	400	650	600
Tank content ltr	3000	5000	5000
Agitation Tank	Nozzle	Nozzle	Nozzle
Diesel kW	24	28	24
Engine speed	2000	1900	2200
Centrifugal pump type	80/250	H4x3x13	80/250
Capacity Ltr/min	1800	2500	2000
Nozzle pressure bar	3,5	4,5	4
Discharge connection to drill pump	2"	2"	2"
Water inlet connection	1 ½"	2"	2"
W x D x H mtr	2,4 x 2 x 2,3	2,35 x 2,4 x 2,3	2,4 x 2,2 x 2,3
Dry weight Kg	1100	1300	1200

* Capacity at 60 Sec. Marsh funnel viscosity

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