



MUD PUMPS TYPE	KATO MUD PUMP	TAKI HEAVY DUTY MUD PUMP	TAKI TRAILER MUD PUMP	8x12 DUPLEX PISTON MUD PUMP
ENGINE TYPE	9 HP Kubota Diesel engine (6.7 kW) 13 HP Honda Petrol engine (9.7 kW)	KUBOTA Diesel engine (10.4 kW)	36 HP YANMAR Diesel engine (26.8 kW)	83 HP YANMAR Diesel engine (61.0 kW)
MUD PUMP TYPE	Single stage centrifugal, KATO model *Typical Capacity: 1500 Litres/min (330 gals/min) at 10 m head (15psi) Max pressure: 2 bar (30psi)	Double Stage centrifugal, TAKI model: 65-33/2 *Typical Capacity: 1000 Litres/min (220gals/min) at 70 m head (100psi) Max pressure: 4 bar (60psi)	Double Stage centrifugal, TAKI model: 65-33/2 *Typical Capacity: 1170 Litres/min (260gals/min) at 80 m head (115psi) Max pressure: 6 bar (100psi)	High pressure mud pump, 8x12 Duplex piston pump *Typical Capacity: 800 Litres/min (212gals/min) at 150 m head (150psi) Max pressure: 24 bar (350psi)

**Maxium Diameter & depth recommended

76mm drill pipe	165mm bit x 80m depth 200mm bit x 60m depth	165mm x 120m depth 200mm x 100m depth 250mm bit x 20m depth	165mm x 140 m depth 200mm x 150m depth 250mm bit x 50m depth	
90mm 'open throat' drill pipe	165mm x 120m depth 200mm x 100m depth	165mm x 150m depth 200mm x 120m depth 250mm bit x 40m depth	165mm x 200 m depth 200mm x 200m depth 250mm bit x 100m depth	200mm x 300 m depth 250mm x 300m depth 300mm bit x 2-300m depth
WATER HOSES (with PAT Quick Couplings fitted)	Suction Hose: 75mm/3 inch x 4 m long with suction strainer/foot valve Pressure Hose: 40mm , 1 1/2 inch x 6 m long Mixing/gunline: 40mm, 1 1/2 inch x 4 m long Hand priming pump on suction inlet	Suction Hose: 75mm/ 3 inch x 4 m long with suction strainer/foot valve Pressure Hose: 50mm, 2 inch x 6 m long Mixing/gunline: 40mm, 1 1/2 inch x 4 m long Hand priming pump on suction inlet	Suction Hose: 75mm/3 inch x 6 m long with suction strainer/foot valve Pressure Hose: 50mm, 2 inch x 6 m long Mixing/gunline: 40mm, 1 1/2 inch x 4 m long Hand priming pump on suction inlet	Suction Hose: 100mm/4 inch x 6 m long with suction strainer/foot valve Pressure Hose: 50mm, 2 inch x 6 m long
MOUNTED	Steel skid frame	Steel skid with 2 wheel	Road Trailer with sprung axle and overrun brakes.	Road Trailer with sprung axle and overrun brakes.
WEIGHT	150 kg	260 Kg	770 Kg	2100 Kg
Dimension	58 x 120 x 65 cm.	83 x 128 x 83 cm.	172 x 326 x 144 cm.	192x442x190 cm.
NOTES*	All centrifugal pumps reduce output flow as output pressure rises. When mud drilling, The biggest cause of increased pump outlet pressure is caused by pressure lost to friction inside the drill pipe.			Piston pump - fixed displaced constant flow - through drill

NOTES**	Final depth that can be reached depends on the exact nature of formation being drilled, the type & mix of drill mud and the condition of the mud pump
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TYPICAL ACCESSORIES	Mud viscosity measuring 'Marsh Funnel & Cup' Mud Density - Mud Balance PH Meter Polymer Drill Mud Bentonite - For drilling Soda Ash to raise PH for drilling muds Mud Pump Spares sets - to replace worn seals, shafts, impellers (<i>centrifugal only</i>) piston, seal, liners, seat valve (<i>Piston pump only</i>) Bare Pump' to replace complete pumping unit worn through use (<i>centrifugal only</i>)
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