FM25X FLUID MANAGEMENT SYSTEM

DIMENSIONS	U.S.	METRIC
MIXING SYSTEM W/TWO 500-GALLON TANKS		
Length	175 in	4.45 m
Width	92 in	2.34 m
Height		
Tank assembly w/out fill pipe	68 in	1.73 m
Tank assembly w/fill pipe	75 in	1.91 m
Weight, empty	2,350 lb	1066 kg
Weight, full of water	10,700 lb	4853 kg
MIXING SYSTEM W/TWO 950-GALLON TANKS		
Length	205 in	5.21 m
Width	96 in	2.44 m
Height		
Tank assembly w/out fill pipe	72 in	1.83 m
Tank assembly w/fill pipe	80 in	2.03 m
Weight, empty	3,450 lb	1564 kg
Weight, full of water	19,315 lb	8762 kg

FLUID/MIXING SYSTEM

Centrifugal pumps		
Suction port diameter	3 in	76 mm
Discharge port diameter	3 in	76 mm
Fluid pressure, max	50 psi	3.4 bar
Pump discharge rate, max (each pump)	300 gpm	1100 l/min
Flow rate to boring unit	0-200 gpm	0-750 l/min
Drilling fluid tank capacity (nominal, each tank)	500/950 gal	1890/3596 L
Solids addition rate w/metering plate	30 lb/min	14 kg/m
Solids addition rate w/out metering plate	75 lb/min	34 kg/m
Mixing hopper capacity (each hopper)	1 ft^3	28 L
Typical tank mixing time	7-10 min	

POWER	U.S.	METRIC
Engine	Kubota® D1105	
Fuel	Diesel	
Cooling medium	Water	
Injection	Indirect	
Aspiration	Natural	
Number of cylinders	3	
Displacement	68.5 in^3	1.12 L
Bore	3.07 in	78 mm
Stroke	3.09 in	78.4 mm
Manufacturer's gross power rating (per SAE J1995)	24.8 hp	18.5 kW
Rated speed	3,000 rpm	
Emissions Compliance	EPA Tier 4	EU Stage IIIb

FLUID CAPACITIES

Fuel tank	9.2 gal	35 L
Engine lubrication oil, including filter	4.2 qt	4 L

NOISE LEVEL

Sound pressure	88 dbA
Sound power	101dbA

Specifications are general and subject to change without notice. If exact measurements are required, equipment should be weighed and measured. Due to selected options, delivered equipment may not necessarily match that shown.

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