

UNITIZED F-100 MUD PUMP W/CAT 3512 ENGINE (REF#1920N)



No.	Description
1	<p>PUMP UNITIZATION</p> <ul style="list-style-type: none"> -F-1000 mud pump is built to API specs under API 7K license. -Master skid is standard oilfield three runner skid. Skid extended beyond engine approx 2'-0", for protection at loading and unloading. -Loading hitch is 7'-10" long for winch truck loading and unloading. -F-1000 mud pump is driven by diesel engine (Caterpillar 3512DITA, 1250 HP @ 1200rpm) through WPT power grip 321. The unit is complete with a bull wheel, a set of V-belts, belt guard, a drive assembly and screw devices for tightening belts. -The unitization includes an electric motor powered supercharging pump piped to the suction of the mud pump, an electric powered liner wash pump mounted and piped, engine and WPT power grip 321 controls at area of engine arrangement, industrial coating on all parts and labor to clean & make ready for shipment.
2	<p>F-1000 MUD PUMP</p> <ul style="list-style-type: none"> -Model: F-1000 -Type: Triplex liner single-action -Input power: 1000 HP -Maximum stroke: 10" (254mm) -Maximum working pressure: 5,000 PSI (35 MPa) -Gear type: Integral herringbone -Valve pots: API 6 # -Intake: 12" (305 mm) -Discharge: 4" (102 mm) -Pulsation dampener Model: KB-75 -Strainer: Mounted on discharge manifold out let.
3	<p>CAT 3512DITA DIESEL ENGINE</p> <ul style="list-style-type: none"> -Model: CAT 3512DITA-Air start -Rated power: 1250 HP -Rated speed: 1200 RPM -Rotation direction: Contra clockwise (facing flywheel) -Outfitted w/ muffler & expansion joint.
4	<p>CLUTCH – WPT POWER GRIP 321</p> <ul style="list-style-type: none"> -Max. speed: 1,525 RPM -Static torque: 3,434,400 FT-LBS -Dynamic torque: 2,574,000 FT-LBS -Net weight: 738 LBS

UNITIZED F-100 MUD PUMP W/CAT 3512 ENGINE (REF#1920N) CONTINUED



No.	Description
5	<p>CHARGING PUMP SYSTEM Charging pump assembly includes explosion proof motor (dII BT4, IP55, class 4) and centrifugal pump.</p> <ul style="list-style-type: none">-Type: SB6 X 5-14-Displacement: 779 GPM-Head: 105'-Speed: 1750 RPM-Seal type: Mechanical seal-Motor power: 75 HP-Motor voltage: 460V, 60Hz
6	<p>MANIFOLD</p> <ul style="list-style-type: none">-Pump suction manifold is 12", and intake flange diameter is 12". A 12" valve is used in suction manifold. And two suction solutions are alternative, pump charging and self-suction.-The intake diameter of charging pump is 6".-The outtake diameter of charging pump is 5".-Discharging manifold includes gages, relief valve, and discharge flange.
7	<p>TESTING & COMMISSIONING</p> <ul style="list-style-type: none">- Install and secure major equipment and miscellaneous equipment- Furnish lube products for testing- Run diesel engine to test the unitization & pump, will run at full load 2 hours.
8	<p>OVERALL DIMENSION AND GROSS WEIGHT</p> <ul style="list-style-type: none">-Overall dimension(LxWxH): 315"x170"x114"-Master skid dimension(LxW): 315"x120"-Unitization gross weight: 79,000 LBS

UNITIZED F-100 MUD PUMP W/CAT 3512 ENGINE (REF#1920N) PHOTOS



UNITIZED F-100 MUD PUMP W/CAT 3512 ENGINE (REF#1920N) PHOTOS

