

# RIG 20S

## RIG

Schramm TXD Range III  
Rig Motor: Detroit Diesel Motor – DDC/MTU 760 hp Static Hook  
Load: 200,000lb/91,000 daN  
GVW: 45,800kg

## MAST

Schramm TXD Telemast  
Top Drive: Schramm – torque rate 0- 33,895 N-m  
(0-25,000 ft. lbs.)  
Tilting top drive head  
Iron rough neck – up to 9 5/8”  
Rotation 0-100 rpm  
Floating cushion connector sub Hydraulic mud saver  
Swivel Rated to 20,700 kPa (3,000 psi)

## HYDRAULICS

6 pumps with variable displacement of 0-190L/min (0-50gal/min)  
Open loop load sensing system 798L (210gal) system capacity

## PIPE HANDLING

Loadsafe pipe handling system  
Automated pipe handling system permits a “hands off” policy for the rig crew  
Range III pipe capable – 89- 768mm (3 1/2”-30”)  
2 x range 3 pipe tubs  
GVW: 28,580kg, 15.6m L x 3.4m W x 2.3m H Pipe Skate

## SUBSTRUCTURE

I beam constructed  
12” pony sub  
Class 3 capable  
GVW: 58,970kg, 17.2m L x 3.8m W x 3.6m H

## MUD PUMP

Bomco F-800 Triplex  
Powered by C-27 Caterpillar – 1100hp  
Two speed transmission  
Max strokes – 175spm  
Min strokes – 20spm  
Pressure rating – 3958psi w/ 5” liners  
Belt driven  
GVW: 49,890kg, 12.2m L x 3.8m W x 3.6m H (Second mud pump available upon request)

## MUD TANK

Mud System Total Volume: 60m<sup>3</sup> Water Tank Volume: 35m<sup>3</sup>  
Agitators in every tank  
Degasser in tank  
2 –Mission 50hp electric mixing pumps (5”x6”x11” centrifugal)  
1 – 3”x2” water pump  
Dual Shale Shakers: Mongoose linear motion GVW: 54,530kg,  
16.8m L x 3.8m W x 3.7m H

## WATER TANK/DOGHOUSE/ COMBINATION BUILDING

Generator: C-15 Caterpillar – 450KW Generator  
Fuel Storage: 10,000 litres  
GVW: 45,360kg, 15.2m L x 3.6m W x 3.9m H

## RIG MANAGER SHACK

56’ skid trailer complete with office GVW:  
26,250kg

## WELL CONTROL

BOP’s:9” double gate 3000 psi  
13 5/8” Double gate 3000 psi (available upon request)  
4 1/2” Pipe ram dies (3 1/2”, 5” available upon request)

## WINTERIZATION

100HP Saskatoon Boiler Water Tank Volume:  
13m<sup>3</sup> Fuel Tank Storage: 4,000L

## TUBULARS

Pipe Connections: Top drive – 4” FH  
Drill pipe – 4” FH  
Drill collars – 4 1/2” XH Core pipe – 4 1/2” CDP



