



Manufacturing & Service, LTD.



550 Rig Specifications

	“550 MD”	“550 SD”
DRAW WORKS	Main Drum	Sand Drum
Barrel Diameter	18 ¾”	10”
Inside Barrel Width	38”	38”
Brake Rim Diameter	42”	42”
Brake Rim Width	12”	8”
Brake Cooling Water	Splash	Splash
Drum Clutch	324	224
Drum Shaft Diameter	5 ¾”	5 ¾”
Drive Chain	Double 140	Triple 100
Drive Chain - Oil Bath	Yes	Yes
Right Angle Box (2:1 Ratio)	Triple 100	750 bhp Rating
Wire Line Size	1”	9/16”
Line Capacity	9/16”	16,000
Brake Assist	Parmac 22” Single Rotor	

Detroit “60 SERIES” – TIER II

CARRIER MODEL: (43 FT)	“550”	
Horsepower	@ 575 HP (capable of 630 HP)	
Axles	Five	
Type Frame	18” I-Beam	
Front Axle	42,000 lb.	
Front Axle Suspension	Leaf Spring	
Rear Axle	70,500 lb.	
Front Tires: Bridgestone	425/65/24.5	
Rear Tires: Bridgestone	11R/24.5	
Transmission (NEW)	Allison 6610	
Transmission	With Drop Box	
Winches (2)	Load Rating of 12,000# each	

MAST SPECIFICATIONS: API Certified - API License # 4F-0170

DERRICK MODEL:	“550”	
Height	104’	
Hook Load Rating (6-Lines)	300,000 lbs	
Raising Cylinder	Double	
Telescoping Cylinder	Single	
Tubing Board Capacity: (Doubles)		
2-3/8”		
2-7/8”		
3-1/2”		
4-1/2”		
Rod Hanger Capacity		
Depth Rating		

SUBSTRUCTURE SPECIFICATIONS:

API Certified - API License # 4F-0170

Gross Nominal Capacity	525,000#
Setback Capacity	275,000#
Casing Capacity	250,000#
Floor Height	12'7"
Clear Height	9'9"
Floor Length	16'6"
Floor Width	11'3"
Sub Base Length	25'5"
Sub Base Width	10'10"

Mast Support Frame:

Length	25'5"
Width	4'5"

Mud Boat:

Length	39'0"
Width	10'8"
Height	12"

Accepts Rotary Tables:

- 17 ½" x 44" Centers with Chain Drive
- 20 ½" x 44" Centers with Chain Drive