

WATSON CORSAIR 500/550

DRAWWORKS

Model Corsair 500/550
 Single Line Pull 56,400 lbs.

Hoisting Drum Information

Main Barrel Dimensions 18.75 in. x 36.375 in.
 Wire Line Size 1 in.
 Wire Line 675 ft.
 Drum Clutch 24 in. 3-Plate
 Gearing 6 Forward / 1 Reverse
 Drive Chain Double 160
 Brake System Parmac 202 / 42 x 12 Blocks
 Brake Cooling Spray Water

Sand Drum Information

Sand Drum Diameter 12.75 in.
 Standard Sand Line Size 9/16 in.
 Sand Line (included) 16,000 ft.
 Drive Chain Single 140
 Brake System 42 x 8 Blocks
 Brake Cooling Spray Water

MAST

Model 104 / 250; 108 / 300
 Mast Height 104 ft. / 105 ft.
 No. of Lines to the Block 4, 6 or 8
 API Capacity 250,000 lbs. / 300,000 lbs.
 Drill Line Size 1 in.
 Racking Board Height 55 ft. 7 in. / 66 ft. 7 in.
 Rod Basket Height 78 ft. 7 in.
 Traveling Block 100 ton 83A non-weighted

Mast Raising System

Raising Rams Double 3-stage, double acting
 Telescoping Ram (1) single stage

Guy Lines (2) with Ratcheting Turnbuckles
 Wind Guys (1) Set
 Tubing Board Guys (1) Set

POWER SYSTEM

Engine Cummins / Det 5-60
 Cylinders / Type 6 / 4 -Stroke
 Horsepower 550 hp.
 Governed Speed 2,100 rpm.
 Air Cleaner Single Dry Type
 Emergency Stop Standard

Transmission

Type Allison M5610-Drop Box
 Gearing 6 Forward / 1 Reverse

AIR ELECTRICAL & HYDRAULIC

Compressor 27 CFM
 Electric System 12 Volt
 Alternator 115 Amp
 Starter 12 Volt
 Batteries (3) BCI-31
 Hydraulic System 50 gpm / 2,000 psi

CAB

Type Single Person
 Heater / Defroster 40,000 BTU
 Drivers Seat Air Ride
 Mirrors West Coast Style

RIG LEVELING SYSTEM

Leveling Jacks (4) 12 in. Hyd. w/Manual Back-up
 Screw Down Derrick Legs

CARRIER

Type 5 Axle, 10 x 4 Drive
 Length with Mast 66 ft. 6 in.
 Overhang, Front / Rear 20 ft. 6 in. / 1 ft. 7 in.
 Axle to Front Bumper 5 ft.
 Bridge Span 18 ft. 3 in.
 Rear Axle Spacing 55 in.
 Rear Axle to Back of Rig 5 ft. 7 in.
 Height (OTR) 14 ft. 4 in.
 Estimated Rig Weight .. 100,000 lbs. w Blocks & Drill Line

AXLES & SUSPENSION

Front Tandem / Steerable
 Axle Capacity 20,000 lbs Per Axle
 Suspension Type Spring
 Rear Tandem
 Axle Capacity 26,000 lbs.
 Tag Axle Capacity 20,000 lbs.
 Drive Ratio 6.17:1

Brakes

ABS System Standard Drum
 Park Brake Air

Tires & Wheels

Front Tires 425/65 R22.5 in.
 Wheels 13 in. / 22.5 in.
 Rear Tires 11R x 22.5 in.

Frame

Main Rails 21 in. 57 lbs./ft.
 Frame Deck 3/16 in. Diamond Plate
 Tow Points Front & Rear
 Front Bumper Slant Type

Paint


Standard Paint 2 Non-Metallic Colors

WATSON CORSAIR 550

This heavy duty unit can be outfitted to do applications from drilling to workovers to routine maintenance. The Watson Corsair 550 can service wells up to 20,000 feet. Optional derrick height of up to 108 feet. The Corsair brand is well-known and respected in the oilpatch and this unit will not be outdone.



WATSON HOPPER (575) 397-2411 • (800) 992-8766 • www.watsonhopper.com
 1700 West Marland • Hobbs, NM 88240 • raustin@watsonhopper.com

 API 4F-0160 (Hobbs, NM)
 API 4F-0161 (Delta, CO)
 API Q1: Q1-0473, Q1-0474
 ISO 9001:2008: ISO 0734, ISO 0735
 ISO/TS 29001: TS-0285, TS-0286