



(330) 725-4949
(330) 273-3700 Cleve.
(330) 239-4949 Akron
(330) 725-6730 Fax
(800) 433-5608

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TIGER GENERAL SWABMASTER RIG SPECIFICATIONS **16,000-FOOT CAPACITY**

MAIN DRAW WORKS:

4" SQUARE TUBING, BRACED WITH 3/4" END PLATES STAINLESS DRIP TRAY. CENTRALLY LOCATED 4" DRAIN. STANDARD REEL SHEILD IS INCLUDED. WINCH FRAME AND REEL GUARD SAND BLASTED AND COATED WITH TWO STAGE EPOXY PRIMER AND URETHANE PAINT SYSTEM.

DRUM: HYDRAULICALLY POWERED DIRECT DRIVE DRUM. DRUM HAS 40" DIAMETER 1" FLANGES WITH 8 REINFORCEMENT GUSSETS ON EACH END WITH A 10" OD X 8" I.D. BARREL. TOTAL WIDTH 50". BRAKE END AND DRIVE END STUB SHAFTS 3-15/16" DIAMETERS ARE SUPPORTED IN FRAME WITH BLUE BRUTE QAF20A315 SPERICAL BEARINGS. THE DRUM HAS A CABLE CAPACITY OF 17,000 FT. OF 9/16" CABLE ENABLING NORMAL OPERATING DEPTH OF 16,000 FT.

***NOTE:** CABLE SIZE AND LENGTH EFFECT PERFORMANCE. OUR SYSTEM CAN BE CUSTOMIZED TO ALLOWS FOR CHANGES TO DELIVER THE POWER & SPEED YOU REQUIRE.

BRAKES: HYDROSTATIC DISC BRAKE FOR DOWN HOLE CONTROL. TWO CARLISLE BRAND M-4 SERIES 4 PISTON CALIPERS WORKING ON 20" ROTOR THAT ARE AIR ACTUATED FOR HOLDING & EMERGENCY.

SANDLINE DRUM DRIVE:

HYDRAULIC DIRECT DRIVE TO DRUM AND POWERED BY A SAI 3600 RADIAL PISTON MOTOR. THE SAI MOTOR IS A 221.9 CUBIC INCH DISPLACEMENT THAT PRODUCES 16,780 FT. LBS. AT 6,000 PSI AND A RATED SPEED OF 200 RPM'S. THE PUMPS ARE TWIN 10.1 CUBIC INCH/REV SUNSTRAND "H" SERIES EACH FOR A TOTAL DISPLACEMENT OF 20.1 CU.IN./REV THAT PROVIDES 180 GPM @ 2,100 RPM.

CABLE SPOOLING: FLEET ANGLE AUTO SPOOLING DEVICE USING A ENCLOSED 20" SHEAVE ON A CHROMED 4" SHAFT WITH DRIP OILIER

16,000 FT CAPACITY

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MAIN HYDRAULIC PLUMBING SYSTEM:

HYDRAULIC STEEL TUBING UTILIZED ON THE MAIN DRIVE WITH CODE 62 FLANGE FITTINGS, SAE "O" RING, SAE 37 DEGREE AND JIC FITTINGS WHEREVER REQUIRED. PREMIUM HIGH PRESSURE HOSE IS USED IN OTHER AREAS. PIPE FITTINGS ARE USED ON THE SUCTION SIDE. RESERVOIR IS A STEEL 60 GALLON CAPACITY WITH CLEAN OUT DOOR. ANTI-SWIRL INTERNAL PLATE, FILTERED VENT, AND A SITE GAUGE WITH THERMOMETER. HYDRAULIC SYSTEM COOLING IS ACHIEVED BY USING RUST FREE ALUMINUM CORED GRILLED GUARD COOLER WITH FAN THAT IS RATED AT A HEAT EXCHANGE RATE OF 290,000 BTU@110F. AUTO COOLER BYPASS VALVE. PATENTED "FREE-FALL" BYPASS VALVE. SYSTEM FILTRATION HAS 2 SUCTION FILTERS ON PUMPS AND 65 GPM RETURN LINE FILTER TO RESERVOIR.

AUXILIARY HYDRAULIC: HYDRAULIC CYLINDERS ARE ACTUATED BY A 2.6 GPM AUXILIARY PIGGYBACK PUMP ON BACK OF MAIN PUMP AND MULTI-BANK 1/2" PORTED SPOOL VALVES WITH INTEGRATED LOCK VALVES FOR ALL CYLINDERS.

BODY; DIMENSIONS ARE 222" LONG x 102" WIDE. BODY HAS 5" CHANNEL MAIN FRAME WITH 3" CHANNEL CROSSMEMBERS, 3/16" DIAMOND PLATE DECK, HEAVY DUTY 5" CHANNEL HEADBOARD REINFORCED FOR MAST REST AND A 24" x 101" GALVANIZED GRATING - W19 X 2 REAR WORK PLATFORM. LEFT SIDE FOLD DOWN 24" X 72" SIDE OPERATOR PLATFORM OPTION. SWING FRAME 6" X 4" x 1/4" RECTANGLE TUBING CONSTRUCTION WITH 4" X 3/8" WALL MAST HINGE WITH GREASE FITTINGS ON HINGE & MAST LATCH. BODY IS OF UNITIZED CONSTRUCTION AND BOLTED TO TRUCK FRAME.

TWO 3" X 25" STROKE PREMIUM HYDRAULIC TWIN POST REAR STABILIZERS WITH CHROME CYLINDER SHAFTS ON STABILIZERS. SEALED TRUCK LIGHT SYSTEM. BODY STEPS AND GRAB HANDLES TO FACILITATE ACCESS. (1) 60" AND (1) 48" TOOL BOX ARE LOCATED UNDER BODY. BODY IS SAND-BLASTED, PRIMED WITH 2 STAGE EPOXY PRIMER AND PAINTED ONE COLOR INDUSTRIAL URETHANE PAINT. FRONT BUMPER IS A HEAVY DUTY OIL FIELD BUMPER SWEEP BACK DESIGN WITH TOW FLAP.

MAST: 8" x 8" x 1/4" SQUARE STEEL TUBING, 42' UNDER THE 20" ENCLOSED CROWN SHEAVE. MAST STICK OUT FROM SWING FRAME APPROXIMATELY 48". QUICK TILT MAST ADJUST ON REINFORCED BASE AT REAR OF BODY. OPERATING LOAD 30,000# WHEN PROPERLY GUYED. HYDRAULICALLY RAISED WITH 5" x 30" CYLINDER WITH CHROMED SHAFT.

TELESCOPIC MAST- 55' UNDER 20" CROWN SHEAVE - MAST 8" X 8" X 1/4"W OUTER/ 7" X 7" X 3/8" INNER
STAINLESS STEEL INNER MAST 7 X 7 X 3/8"
TELESCOPIC MAST- 55' UNDER 20" CROWN SHEAVE - MAST 8" X 8" X 1/4"W OUTER/ 7" X 7" X 3/8" INNER

CONTROLS: ALUMINUM CONTROL PANEL HAS ELECTRONIC THROTTLE & PUMP CONTROLS, LIQUID FILLED GAUGES FOR SYSTEM PRESSURE AND 2 CHARGE PRESSURES, HOUR METER, ENGINE START STOP SWITCH. HYDRAULIC STABILIZERS AND MAST RAISE CYLINDER VALVE BANK CONTROLS LOCATED IN REAR TAILBOARD AND OFFSET TO THE LEFT.

*** TIGER GENERAL RESERVES THE RIGHT TO UPDATE OR CHANGE SPECIFICATIONS AS REQUIRED WITHOUT NOTICE.***