



**AIR  
DRILL**

## SCHRAMM 450WS

US BUILT, ADAPTED FOR AUSTRALIAN CONDITIONS

- ◆ COMPACT AND MANOEUVRABLE
- ◆ WATER WELLS AND MINERAL EXPLORATION
- ◆ MOUNTING ON TRUCKS OR TRACKS
- ◆ EXPLORATION JIB BOOM
- ◆ SULLAIR 900/350 W/CLUTCH

# SCHRAMM 450WS



## ENGINE

- MODEL: CATERPILLAR 3406C DITA
- HORSE POWER: 465HP
- RPM: 1800
- INCLUDES 681LTR FUEL TANK

## AIR AND MUD LINES

- RATED AT 1000PSI
- FULL LENGTH HOSE SOCKS ON HIGH PRESSURE AIR LINES

## DIMENSION & WEIGHT

- OA LENGTH - TRANSPORT: 11,300MM
- OA WIDTH: 2,430MM
- OA HEIGHT - TRANSPORT: 3,810MM
- OA HEIGHT - MAST UP: 11,500MM
- WEIGHT: 34,000KGS

## COMPRESSOR

- SULLAIR 900/350 W/CLUTCH

## MAST & FEED SYSTEM

- 28.6' MAST
- HEAD TRAVEL: 8,680MM
- PULLUP CAPACITY: 30,000LB (13,605 KG)  
@ 216 FPM (65.8 MPM)
- PULLDOWN CAPACITY: 17,500 LB (7,938 KG)  
@ 161 FPM (49 MPM)
- SLOW FEED DRILL-UP VALVE
- SLIDING ANGLE DUMP MAST

## CONTROL PANEL

- LOCATED ON THE LEFT HAND SIDE INCLUDES FULL INSTRUMENTATION AND FOLD-UP OPERATOR'S AND HELPER'S PLATFORMS.

## TOP HEAD ROTATION

- DUAL MOTOR, 28.5'
- TOP HEAD DRIVE
- TWO 10,000 SERIES SINGLE SPEED MOTORS IN SERIES/PARALLEL
- 0-74 & 0-146 RPM, 106,610 & 53,305 IN-LB
- ROTATION TORQUE LIMITER

## JIB BOOM

- JIB BOOM, HYDR SWING & EXTEND
- WINCH, 15,000 LB (150' x 5/8")

## COOLING

- THREE CORE, SIDE BY SIDE, 130°F (54.4°C) AMBIENT RATING, 48" (1,219 MM) HYDRAULICALLY DRIVEN FAN.

## OUTRIGGERS

- REAR OUTRIGGERS AND MAST TILT - TWO REAR OUTRIGGERS ARE INTEGRAL MEMBERS OF THE DRILL RIG FRAME. THE TWO MAST TILT CYLINDERS ARE CUSHIONED.
- DUAL FRONT INBOARD OUTRIGGERS

## HYDRAULIC SYSTEM

- FIVE HYDRAULIC PUMPS, TWO FIXED DISPLACEMENT TYPE AND THREE VARIABLE VOLUME PISTON TYPE, PROVIDE HYDRAULIC POWER FOR ALL RIG FUNCTIONS. ALL HYDRAULIC CIRCUITS ARE FULLY FILTERED, PROTECTED BY RELIEF VALVES AND INCLUDE AN OIL COOLER. SHUTOFF VALVES ARE PROVIDED AT EACH TANK SUCTION OUTLET FOR EASE OF SERVICE.

## WATER INJECTION

- WATER INJECTION, BEAN 18 GPM

## ANCILLARIES

- TOOL BOX - A LOCKABLE TOOL BOX IS LOCATED ON THE LEFT HAND SIDE OF THE RIG. CAPACITY - 9 CU FT (.25 CU M).
- ELECTRICAL SYSTEM - 24V DC, 75 AMP ALTERNATOR, TWO 12V BATTERIES, MAST AND WORK LIGHTS, CIRCUIT BREAKERS.
- HYD TABLE ASSEMBLY, 4-1/2"
- TOOL LUBRICATOR, PISTON PUMP
- HYDRAULIC SLIDING TOP HEAD
- FULL WALKWAYS EXTEND/JUNK BOX

## OPTIONS

- FIT TO CUSTOMER SUPPLIED TRUCK.
- SUPPLY AND FIT KL STYLE ROD HANDLER AND MATCHING TILTING ROD BIN
- DIAMOND DRILLING ROTARY HEAD

SPECS ARE SUBJECT TO CHANGE WITHOUT NOTICE.



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