



**AIR  
DRILL**

## SCHRAMM 685MTU

DESIGN FOR HARSH AUSTRALIAN CONDITIONS

- ◆ DDC/MTU 12V-2000TA DDEC, 850HP
- ◆ 42,500KG PULLBACK CAPACITY
- ◆ 55°C AMBIENT COOLER
- ◆ EXPLORATION JIB BOOM
- ◆ SULLAIR 20/12H STR (1350/500)

# SCHRAMM 685MTU



## ENGINE

- MODEL: DDC/MTU 12V-2000TA DDEC
- HORSE POWER: 850HP
- RPM: 1800
- FIRE SUPPRESSION

## AIR AND MUD LINES

- RATED AT 1500PSI
- FULL LENGTH HOSE SOCKS ON HIGH PRESSURE AIR LINES

## DIMENSION & WEIGHT

- OA LENGTH – TRANSPORT: 12,000MM
- OA WIDTH: 2,800MM
- OA HEIGHT – TRANSPORT: 4,590MM
- WEIGHT: 40,800KGS

## MOUNTING

- DRILL RIG MOUNTED ON CUSTOMER SUPPLIED MAN 8X8 TRUCK

## COMPRESSOR

- SULLAIR 20/12H STR (1350/500)
- VARIABLE INLET VALVE-SULLAIR, (BUTTERFLY)
- AUXILIARY AIR AND BOOSTER LINE
- AIR DRILL DISENGAGE CLUTCH

## MAST & FEED SYSTEM

- OPERATING ANGLE: 0 - 45° FROM VERTICAL
- MANUALLY LOCKS IN 5° INCREMENTS
- MAST SLIDE TRAVEL: 2,440MM
- HEAD TRAVEL: 9,100MM
- FEED CYLINDER: (2) 5½" BORE X 2¾" ROD X 180" STROKE (140MM X 70MM X 4,572MM)
- TOP HEAD DRIVEN BY HYDRAULIC CYLINDERS THROUGH HEAVY ROLLER CHAIN
- PULLUP CAPACITY: 42,500KGS
- PULLUP SPEED – RAPID FEED: 50.9M/MIN
- PULLDOWN CAPACITY: 18,000KGS
- HYDRAULIC SLIPS

## WALKWAYS AND SAFETY

- FOLD DOWN WALKWAYS ON LHS
- ACCESS PLATFORM TO MAST
- PLATE MAST AND SAFE CLIMB CONNECTION POINTS.

## TOP HEAD ROTATION

- AIR DRILL ROTARY HEAD
- 2 X OMVW 500 MOTORS
- HD NYLON HEAD SLIDES

## ROD HANDLING & STORAGE

- ROD TROUGH
- KL - ROD LOADER (HYDRAULIC PILOT)
- TILTING ROD BIN TO SUIT KL LOADER

## JIB BOOM

- EXPLORATION JIB BOOM, PL2 750KG CAP
- 1000M SURVEY WINCH

## COOLING

- ALUMINIUM COOLERS
- DESIGN TEMPERATURE: 55°C AMBIENT

## BREAKOUT

- AIR DRILL SINGLE BREAKOUT, 2-1/2" TO 5-1/2" RANGE
- 16,000 FT.LB TORQUE AVAILABLE

## OUTRIGGERS

- DUAL FRONT AND BACK OUTRIGGERS

## HYDRAULIC SYSTEM

- SIX HYDRAULIC PUMPS, TWO FIXED DISPLACEMENT TYPE AND FOUR 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.

## WATER INJECTION

- CAT 2520 WATER INJECTION

## LIGHTING & ELECTRICAL SYSTEM

- 3 X 60W MAST LIGHTS, 2 X CONTROL PANEL FLOOD LIGHTS, 3 X WORK AREA LIGHTS.

## OPTIONS

- REVERSE CIRCULATION (RC) SYSTEM
- SOUND SUPPRESSION CANOPY OVER ENGINE COMPRESSOR

SPECS ARE SUBJECT TO CHANGE WITHOUT NOTICE.



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