



**AIR
DRILL**

SCHRAMM 685SP

HIGH CAPACITY DEEP HOLE ROTADRILL

- ◆ CATERPILLAR C18 ACERT, 630BHP
- ◆ 42,500KG PULLBACK CAPACITY
- ◆ 55°C AMBIENT COOLER
- ◆ AIR DRILL 8T/4T JIB BOOM, M18 WINCH
- ◆ CAT330L TRACK CARRIER
- ◆ ZONE 1 RATING

SCHRAMM 685SP



ENGINE

- MODEL: CATERPILLAR C18 ACERT
- HORSE POWER: 630 BHP
- 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: 13.7M
- OA LENGTH – MAST UP: 8.9M
- OA WIDTH: 3.2M
- OA HEIGHT – TRANSPORT: 4.7M
- OA HEIGHT – MAST UP: 13.7M
- WEIGHT: 45,000KGS

TRACKS

- MOUNTED ON CAT330L, CRAWLER TRACKS WITH WALKING BEAM FRAME

TOP HEAD ROTATION

- FLOATING SUB 3 1/2" API REG PIN TO 2 7/8" API IF PIN
- SCHRAMM DUAL HEAD ROTARY BOX, 3" SPINDLE THRU HOLE 5 1/2" API FH BOX
- 2 X 40.6 CU IN CHAR-LYNN 10,000 SERIES ROTATION MOTORS
- HD NYLON HEAD SLIDERS

MAST & FEED SYSTEM

- OPERATING ANGLE: 0 - 45° FROM VERICAL
- MANUALLY LOCKS IN 5° INCREMENTS
- MAST SLIDE TRAVEL: 2.44M
- HEAD TRAVEL: 11.5M
- SLIPS TABLE: 4 1/2", 22" MAX
- FEED CYLINDER: (2) 6" BORE X 2 3/4" ROD X 228" STROKE (150MM X 70MM X 5,792MM)
- TOP HEAD DRIVEN BY HYDRAULIC CYLINDERS THROUGH HEAVY ROLLER CHAIN
- PULLUP CAPACITY: 42,500KGS
- RAPID FEED SPEED: 65M/MIN
- PULLDOWN CAPACITY: 17,900KGS

JIB BOOM - DUAL PULL

- AIR DRILL 8T / 4T JIB BOOM, M18 WINCH
- 1000M SURVEY WINCH
- 2T AUX WINCH

COOLING

- AHTI HEAT EXCHANGER PACKAGE TO SUIT CAT C18 AND HYDRAULICS
- DESIGN TEMPERATURE: 55°C AMBIENT

BREAKOUT

- AIR DRILL SINGLE BREAKOUT, 3" TO 7" RANGE
- 16,000 FT.LB TORQUE AVAILABLE

OUTRIGGERS

- FRONT AND BACK DUAL OUTRIGGERS - SWIVEL FOOT

HYDRAULIC SYSTEM

- FUNK 59000
- 2 X REXROTH A11 V 260 PUMPS & DECELERATION VALVES
- ROTATION TORQUE LIMITER
- 650L HYDRAULIC TANK

WATER INJECTION

- HP HIGH FLOW PUMP 60GPM @ 1500PSI

LIGHTING & ELECTRICAL SYSTEM

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

CONTROLS

- SCHRAMM CONTROL PANEL, PIVOTING

COAL BED METHANE

- ZONE 1 IN 3M VICINITY OF BOREHOLE

OPTIONS

- MUD PUMP
- HANDS FREE HYDRAULIC ROD LOADER
- COLD START HEATER

SPECS ARE SUBJECT TO CHANGE WITHOUT NOTICE.



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