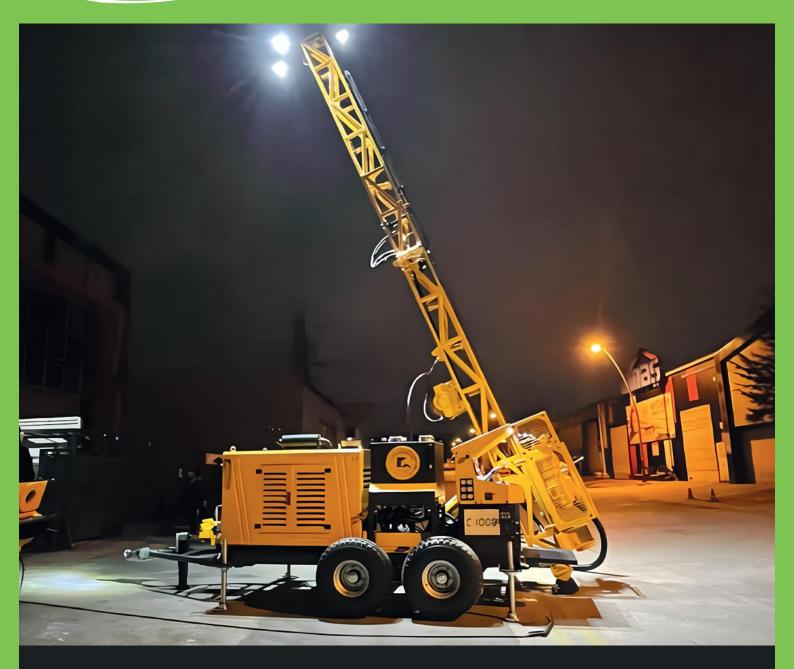


SOLID DRILLING SOLUTIONS



SDS

DRILL RIG C1000



- MOBILITY The C1000 Underground Drilling Rig is equipped with a 360-degree drilling mast. Options are available for skid or crawler travel. Also, as an addition to the crawler, it is possible to equip it with a stand-alone diesel engine.
- •
- RELIABILITY Ease of operation and maintenance maximizes plant convenience and efficiency
- SAFETY The C1000 Underground Drilling Rig is designed for long-term operations, taking into account the prevention of possible safety risks.



DRILL RIG C1000



CONTROL PANEL - FUNCTIONAL PANEL DESIGN, PROVIDES EASY OPERATION.

HYDRAULIC DESIGN - LOAD-SENSITIVE HYDRAULIC SYSTEM SUPPORTS ENERGY SAVING.

MAST - 360° DRILLING CAPABILITY
IN ANY PART OF THE MINE WORKINGS.

SYNCHRONIZATION - THE PIPE HOLDER AND ROTATOR WORK SYNCHRONOUSLY THANKS TO THE VALVE BLOCK DESIGN. THIS FEATURE ENSURES FAST AND SAFE DRILLING.





ROTATION UNIT - THE FUNCTIONAL DESIGN OF THE ROTATOR ALLOWS WORKING WITH DIAMETERS FROM B TO N

CATERPILLAR BASE - WITH OPTION TO DRIVE INDEPENDENT DIESEL ENGINE TO POWER THE TRACK YOU GET MORE FREEDOM OF MOVEMENT IN UNDERGROUND CONDITIONS.



DRILLING RECOMMENDATIONS		
BR0/B0	1540м	
NRO/NO	1000м	
NROV-WALL™	1200м	
HRO/HO	700м	
HR0V-WALL™	800м	
PHD/P0	375м	
PHDV-WALL™	475м	

THE VALUES GIVEN IN THESE TABLES ARE CALCULATED BASED ON THE PULLING FORCE OF THE MAIN WINCH IN WELLS WITH FLUSHING FLUID AND A ROCK STRENGTH OF 5 MPa. THE ACTUAL DRILLING RESULTS DEPEND ON THE DOWNHOLE TOOL USED, ITS CONDITION, THE EQUIPMENT USED, THE FLUID LEVEL IN THE WELL AND THE DRILLING TECHNIQUES.

DISEL ENGINE	CUMMINS, FORD, VOLVO, DEUTZ
POWER (AT 1800RPM)	153kW (203 hp.)

RATED TORQUE AND SPEED			
1ST GEAR	117-196 RPM	5513-3051 Nm	
2ND GEAR	245-410 RPM	2445-1459 Nm	
3RD GEAR	451-756 RPM	1326-792 Nm	
4TH GEAR	776-1300 RPM	771-460 Nm	

ACCORDING TO THE INFORMATION GIVEN, THE SPEED AND TORQUE AT THE OUTPUT OF THE HEAD IS ADJUSTED STEPLESSLY IN EACH GEAR RANGE. THE ACTUAL SPEED IS DETERMINED BY THE ENGINE SPEED AND THE VOLUME SETTING OF THE HYDRAULIC MOTOR.

HYDRAULIC SYSTEM	
MAIN PUMP	VARIABLE DISPLACEMENT AXIAL PISTON PUMP WITH LOAD SENSING, PRESSURE COMPENSATION AND LOW PRESSURE IDLE
MAX. FUEL CONSUMPTION	190l/m
MAX. PRESSURE (FACTORY	/ SETTING) 28MPa
SERVICE PUMP	VARIABLE DISPLACEMENT AXIAL PISTON PUMP WITH LOAD SENSING, PRESSURE COMPENSATION AND LOW PRESSURE IDLE
MAX. CONSUMPTION	65l/m
MAX. PRESSURE	20MPa
AUXILIARY PUMP	VARIABLE DISPLACEMENT AXIAL PISTON PUMP WITH LOAD SENSING, PRESSURE COMPENSATION AND LOW PRESSURE IDLE
MAX. CONSUMPTION	90l/m
MAX. PRESSURE	18MPa
TANK CAPACITY	2431
DRILLING MAS	T AND FEED SYSTEM
FEED WAY	3,35m
FEED FORCE (MAX.)	213.7Kn
FEED POINT (MAX.)	108,4Kn
DRILL ROD LENGHT	3m or 6m
DRILLING ANGLE 45 ⁰ FROM HOR	ZIZONTAL TO 90 ⁰ VERTICAL DOWNWARD
LOWERING THE MAST (QUI	CK FEED) 2,34m
TELESCOPIC MAST	RELATED



ROTAYION UNIT MODULE ROTATION ENGINE REXROTH or PARKER TRANSMISSION NUMBERS **1ST GEAR** 6.63:1 2ND GEAR 3.17:1 3RD GEAR 1.72:1 4TH GEAR 1.00:1 **GEAR ACTUATOR WITH** FINAL GEAR GEARBOX IN OIL BATH NUMBER OF GEARS LATERAL DISPLACEMENT **HEAD OPENING** METHOD - HYDRAULIC DRIVE HYDRAV. SPRING-OPERATED HYDRAULIC CLAMPING OPENING. AXIAL LOAD CHUCK PQ CAPACITY 18,143kg NUMBER OF GEARS 1-2,5 HYDRAV. SPRING-OPERATED DRILL HEAD OPENING. AXIAL LOAD CAPACITY 18,143kg SUCTION OIL FILTER FILTERS OIL FILTRATION FOR DRILL HEAD OUT PARTICLES AS SMALL AS LUBRICATION 25micron **MAIN WINCH** FREIGHT WINCH SINGLE-SPEED ENGINE. HOOK LOAD (ONE-PIECE ROPE) **EMPTY DRUM** 35m/sec

NOTE: DO NOT USE MULTI-COMPONENT ROPES ON THE MAIN WINCH, USE	
SINGLE-COMPONENT ROPES ONLY	

15mm or 18mm

226.0 kN

MAIN WINCH ROPE

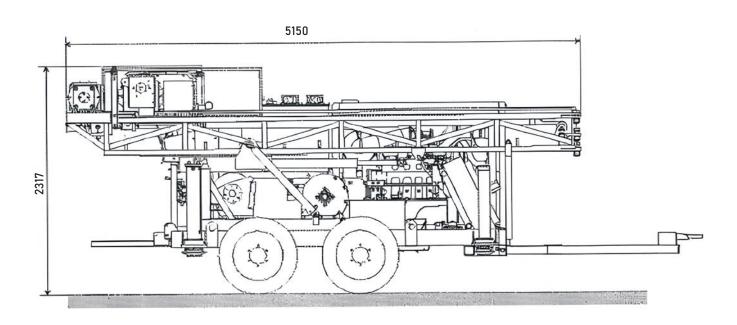
MIN. BREAKING POWER

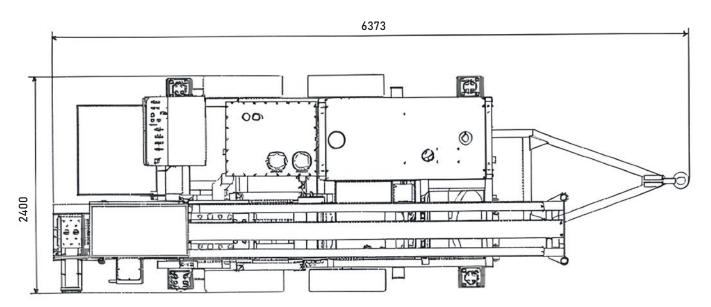
ROD HOLDER	
TYPE	HYDRAV. OPENING, CLOSING WITH GAS SPRINGS
MAX. INNER DIAMETER	210мм (8,3in)
LOAD CAPACITY	13,000kg (28,660lb)
ROPE PULLING FORCE	EMPTY DRUM 11.9 kN
ROPE PULLING FORCE	FULL DRUM 3.0 kN
ROPE SPEED	EMPTY DRUM 114m/sec
ROPE SPEED	FULL DRUM 453m/sec
DRUM 4.8mm (3/16") STAMPED	1830m
NOTE: THE ROPE LENGTH IS SPECIFIED WHEN ORDERING	
	CIVID EDAME

ADDITIONAL	SKID FRAME,
ADDITIONAL	WHEELED FRAME, REMOTE
EQUIPMENT AND	CONTROL PANEL, HYDRAULIC
AUXILIARY	GENERATOR,
EQUIPMENT	DRILLING MUD MIXER,
Laci Meliti	

DIMENSIONS AND WEIGHT	
CRAWLER WEIGHT	10 000kg
OVERALL WIDTH	2400мм
OVERALL LENGTH	6900мм
GENERAL EIGHT	2300мм
TANK CAPACITY	243l
BATTERY	24V
MAX. SPEED	2.2 km/h

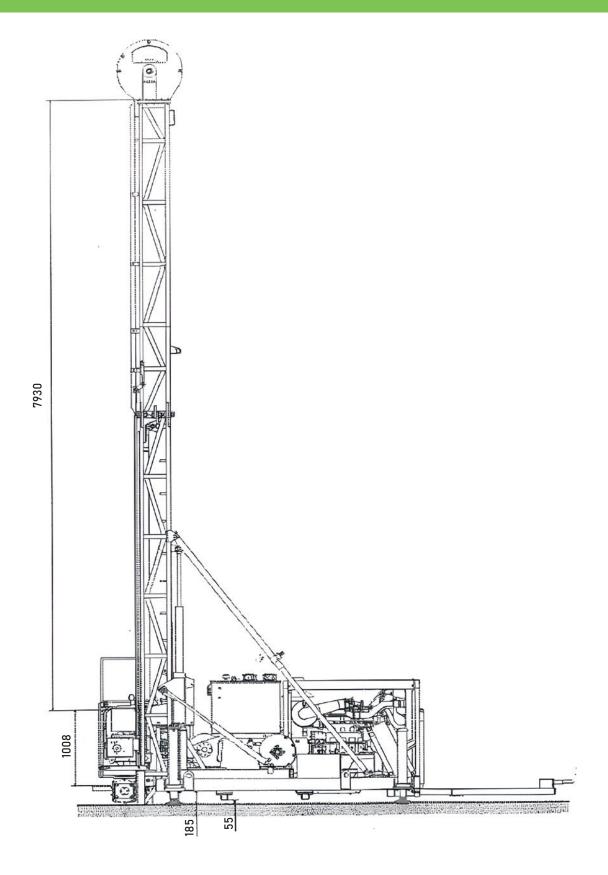






SCHEMATICS AND DIMENSIONS





SCHEMATICS AND DIMENSIONS



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