



PACKSACK

DIAMOND DRILL RIG

FL - 200



Operational Versatility

It is designed to adapt to a variety of mining applications, from geological exploration to access drilling in underground and surface mining. Its ability to adjust to different types of terrain and environments makes it a perfect tool for those seeking operational flexibility.

Easy Assembly and Transport

Our Packsack FL-200 diamond drill features an optimized design for easy assembly and transport. This is invaluable for mining projects in remote or difficult-to-access locations. The efficient assembly and disassembly process allows the equipment to be ready for operation quickly, maximizing productivity and minimizing downtime.

Compact Design

This equipment stands out for its adaptability to confined spaces. Its compact design allows it to operate in limited areas such as underground tunnels or medium-sized and demanding work environments. This is especially useful for underground mining projects where maneuvering space requires robust yet compact machinery.

ABOUT OUR EQUIPMENT

This rig has a drilling range of 150 meters in line BQ and 200 meters in line AQ. With sample diameters of 36mm and 27mm, it is characterized by its operational versatility. Furthermore, it features easy assembly, efficient transport, and adaptability to any type of space or requirement.



POWER UNIT

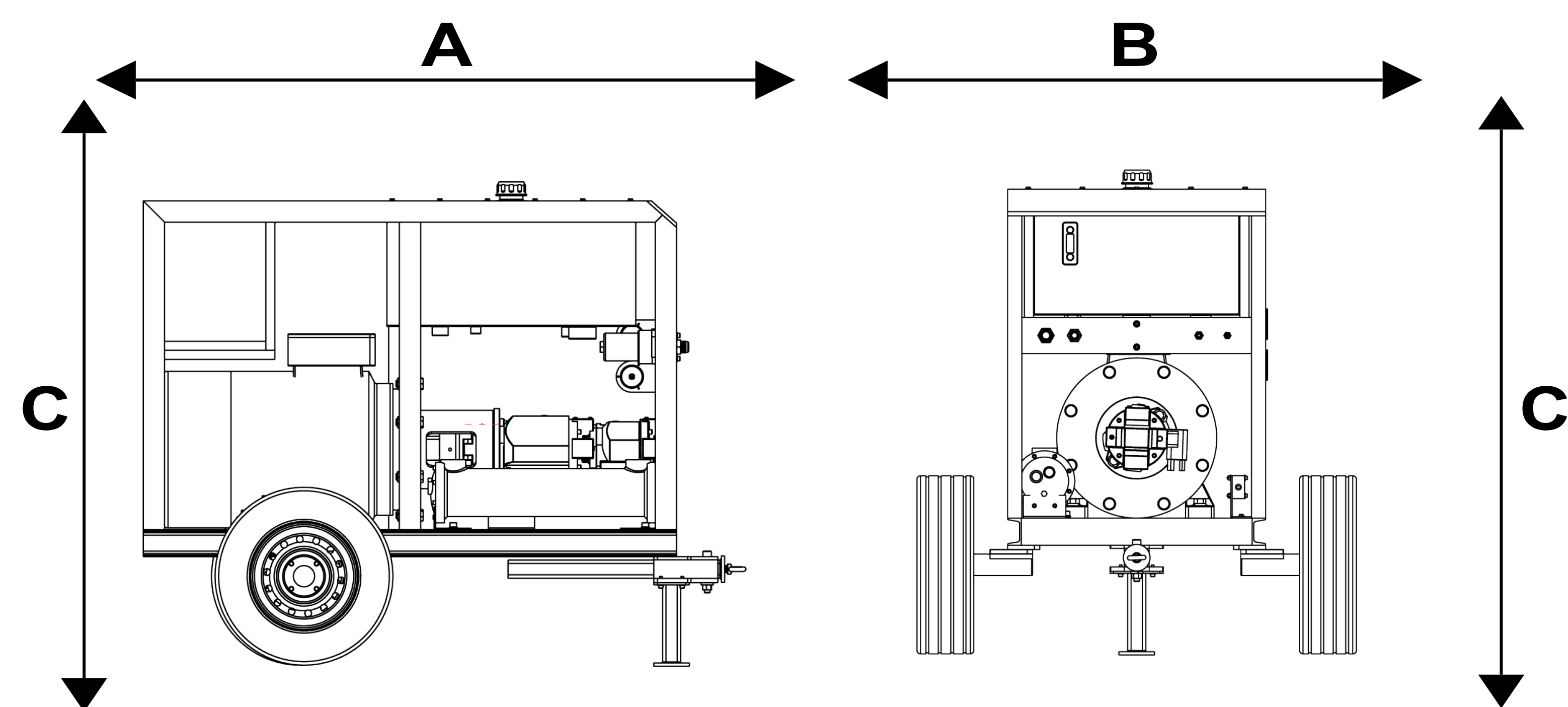
UNIDAD DE POTENCIA

It is the component that generates and distributes energy to the machine's systems. There are two versions of the power unit: one electric and one diesel. Both versions efficiently perform the same task, but various conditions or requirements may necessitate using one in particular.

SPECIFICATIONS

• ELECTRIC MOTOR	: 40 HP 440 V - 60 Hz
• PRIMARY HYDRAULIC PUMP	: 45 CC 220 BAR, 3000 PSI
• SECONDARY HYDRAULIC PUMP	: 18 CC 150 BAR 1800 PSI
• COOLER	: 50 - 120 L/m
• HYDRAULIC TANK	: High Pressure
• MAXIMUM OPERATING PRESSURE	: 20 gallons of grade 68 hydraulic oil
• HYDRAULIC FILTER	: 220 BAR / 3000 PSI
• ELECTRICAL PANEL	: Star-delta starter. Includes instruments for measuring voltage, amperage, frequency, thermocouple, and hour meter.

MEASURES



MACHINE MEASUREMENTS

• MEASURE “A”	:	1500 mm	59.05 in
• MEASURE “B”	:	1100 mm	43.30 in
• MEASURE “C”	:	1200 mm	47.24 in

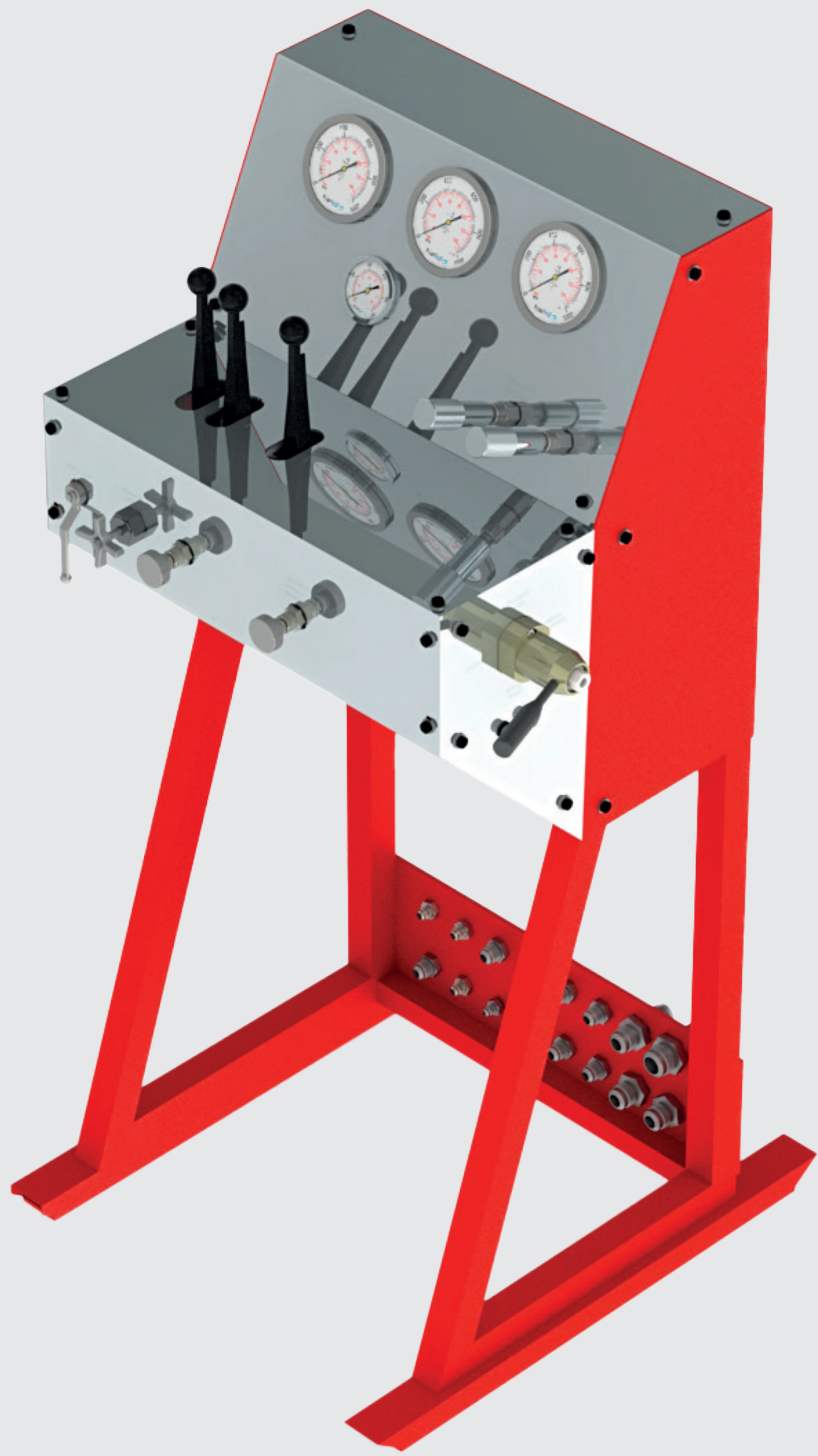
CHOICE RECOMMENDATIONS

ELECTRIC VERSION:

- LOWER MAINTENANCE
- GREATER ENERGY EFFICIENCY
- IDEAL IF YOU ALREADY HAVE POWER SOURCES

DIESEL VERSION:

- IDEAL FOR MOBILE AND REMOTE OPERATIONS
- ENERGY AUTONOMY AND FLEXIBILITY
- FOR MORE FLEXIBLE DRILLING



CONTROL UNIT

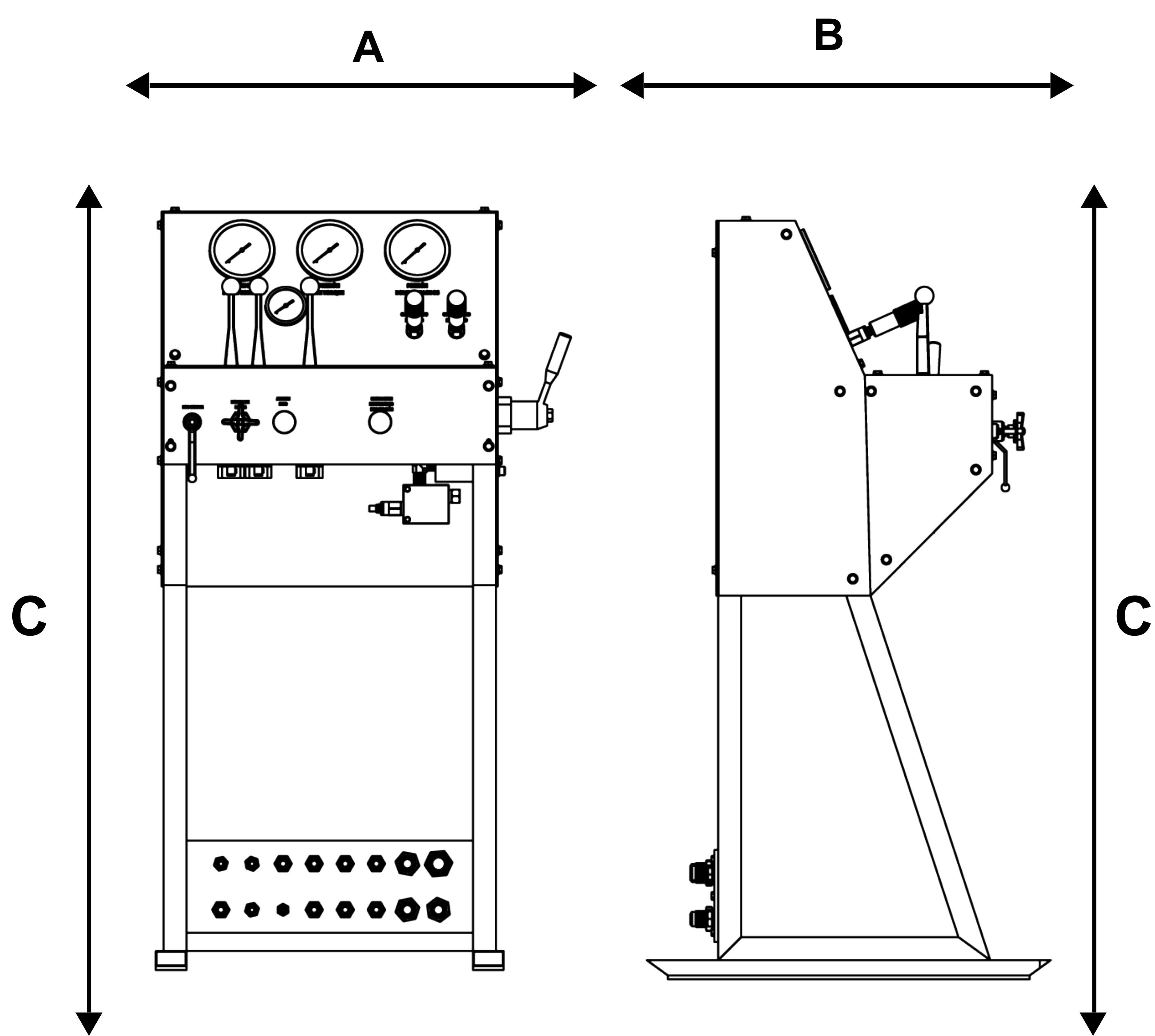
UNIDAD DE CONTROL

The control unit is a system that measures and monitors key parameters such as the pressure in the mining drill. Through gauges, it provides information to the operator to ensure that operating conditions are within optimal ranges.

SPECIFICATIONS

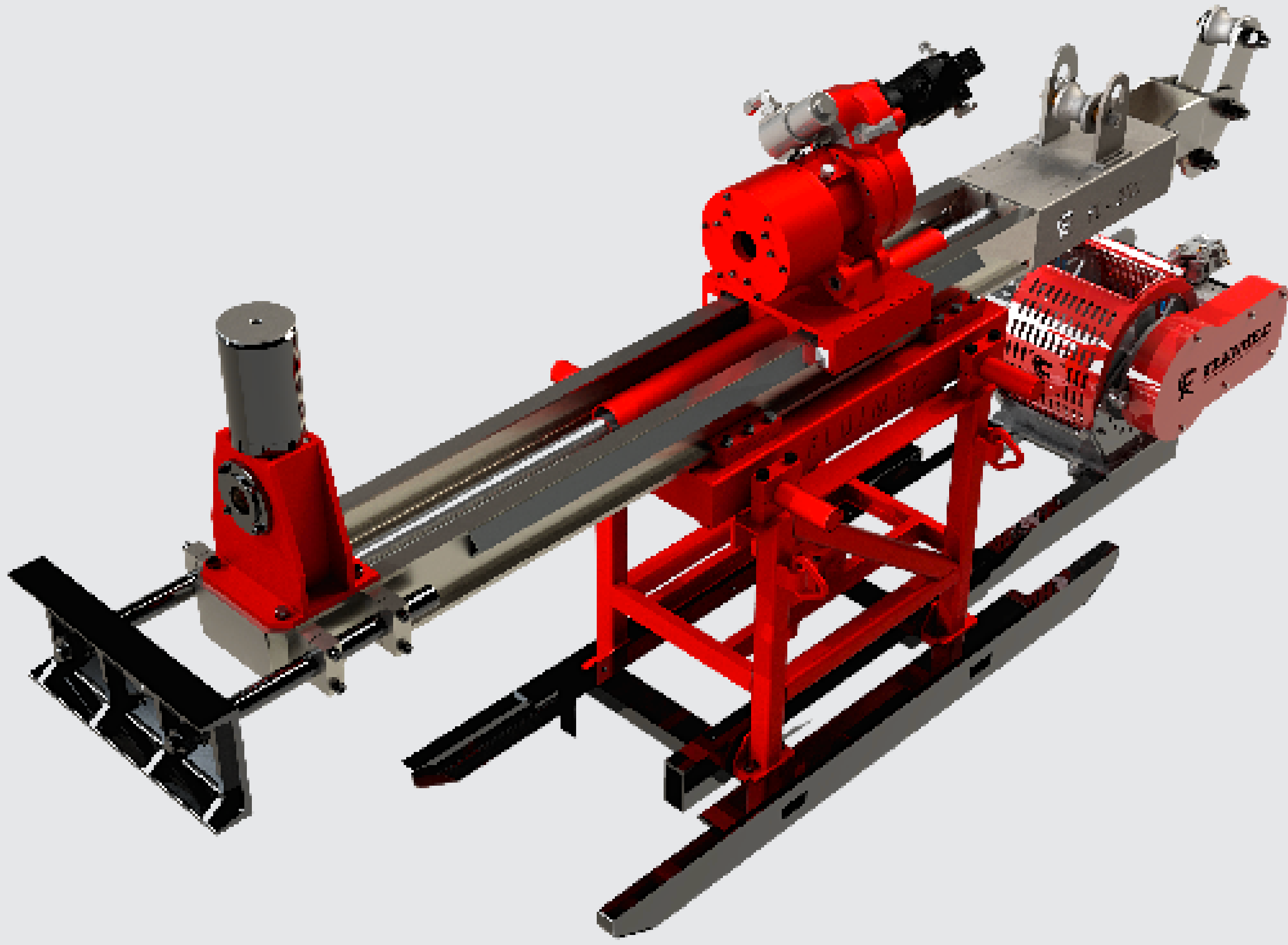
• HYDRAULIC VALVE	:	4/3 Open Center 4 block
• FLOW CONTROL VALVE	:	25 GPM 3/4
• WATER CONTROL VALVE	:	1/2
• ROD HOLDER CONTROL	:	60 L/MIN R 3:170 280 BAR
• BACK PRESSURE VALVE WITH CHECK	:	Winters - 3000 PSI - 220BAR

MEASURES



MACHINE MEASUREMENTS

• MEASURE “A”	:	650 mm	25.59 in
• MEASURE “B”	:	500 mm	19.68 in
• MEASURE “C”	:	1300 mm	51.18 in



DRILL UNIT

UNIDAD DE PERFORACIÓN

The drilling unit is the set of components and systems of a mining drill that work together to carry out the drilling process in hard or rocky terrain. This unit includes various systems, such as the rotation system, the feed system, the power unit, and the control unit, among others.

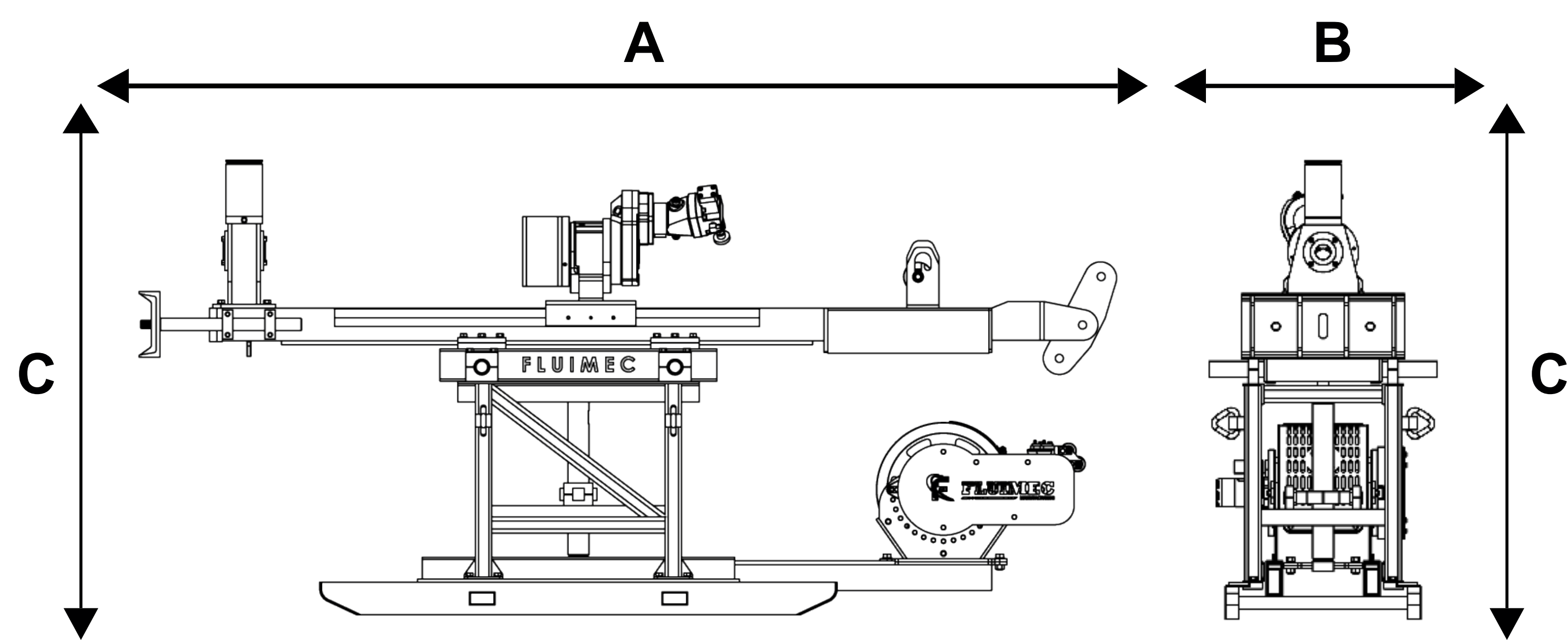
SPECIFICATIONS

• HEAD HYDRAULIC MOTOR	: 55 CC variable hydraulic motor
• HYDRAULIC PISTON	: Double effect
• ROD HOLDER WITH NITROGEN	: For line BQ-AQ for Model FL-200
• ASSEMBLY	: On table and bench
• DRILLING ANGLE	: -90° a + 90°
• EFFECTIVE CAREER	: 600 mm Feed length per press
• MAXIMUM SPEED	: 3" / min
• TRACTION CAPACITY	: 550 Kg - 130 bar / 1212 lb - 3000 PSI
• PUSHING CAPACITY	: 550 Kg - 130 bar / 1212 lb - 3000 PSI
• MODEL	: Intern BQ - AQ
• SPEED RANGE	: 0 - 1500 RPM
• MAXIMUM TORQUE	: 122 Nm. / 90 ft.lb
• WORKING PRESSURE	: 220 bar / 3000 psi

DRILLING RANGE

• LINE BQ	: 150 m	• LINE AQ	: 200 m
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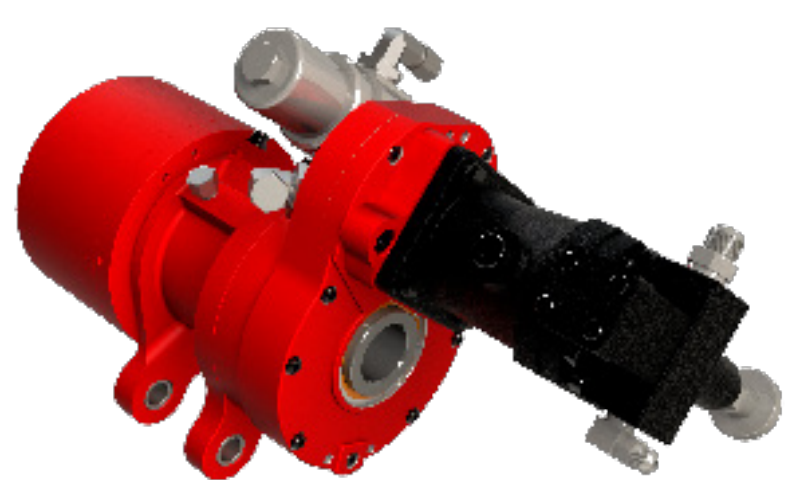
MEASURES



MACHINE MEASUREMENTS

• MEASURE “A”	:	3000 mm	118.11 in
• MEASURE “B”	:	700 mm	27.55 in
• MEDIDA “C”	:	1400 mm	55.11 in

DRILLING UNIT COMPONENTS



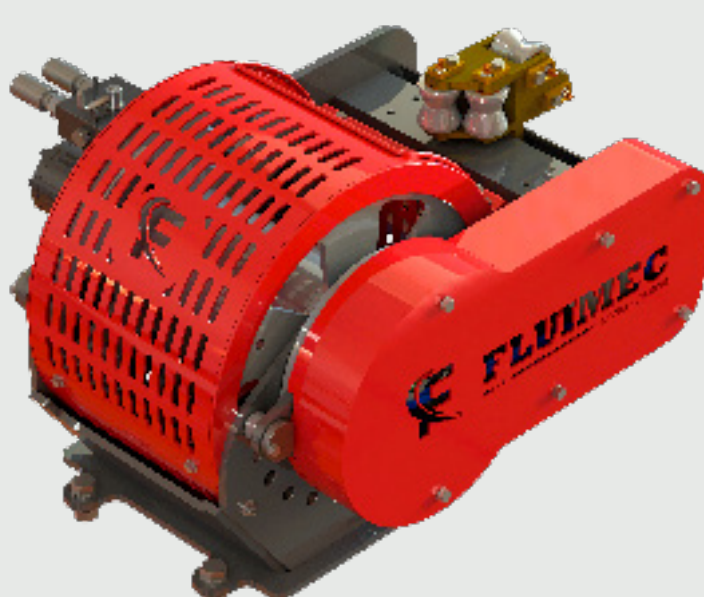
ROTATION UNIT



PROGRESS FRAME



ROD HOLDER



ELEVATOR WIRE-LINE