ZEGA D480RC 反循环勘探钻机

ZEGA D480RC Reverse-Circulation Sampling Drill Rig

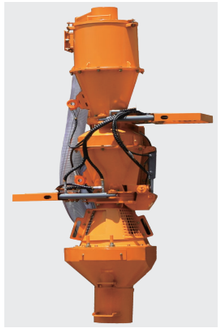
产品特点/Product Features

■ 本型特点：反循环钻探是一种经济高效的勘探方式，通过提取高品质的矿石样本，有效规划采矿和采石作业。反循环钻探不仅避免了交叉污染，而且能在短时间内采集到大量样本，进行深入分析后可快速得出与矿床相关的可靠信息，有助于选择适当的钻探和爆破位置，在更大程度上提高了矿石回采率和每吨收益率，并能减小对环境的影响。

■ Features: Reverse Circulation Sampling Exploration is a cost-effective approach to geological exploration that enables efficient planning of mining and quarrying operations through high-quality sampling. Reverse circulation drilling not only avoids or reduces dilution caused by ore and waste rock mixing, but also provides a large number of samples in a short period of time, and in-depth analysis can quickly derive reliable geological information related to the deposit, which helps to select appropriate drilling and blasting boundaries, maximizes ore recovery and yield per ton, and reduces environmental impact.

■ RC支座为多角度钻架，可满足各种复杂工况；The RC frame is a multi-angle drill stand, which can meet various complex working conditions;

■ 独立遥控控制系统，可远距离对反循环装置进行精确控制，使操作人员远离粉尘、碎屑及其他危险。The independent remote control system can accurately control the reverse circulation device from a distance, so that the operator can keep away from dust, debris and other hazards.



全系列产品特点 10

Features of the entire product series. NO.10

系列产品根据用户需要，可增加高海拔、高温、高寒、自动润滑、自动灭火、后支腿等功能配置。

To meet customer demands, the series products are designed with various options: high altitude, high ambient temperature, extremely cold areas, automatic lubrication system, automatic fire extinguishing system, hydraulic rear support leg and other functions.

技术规格/Technical Specifications

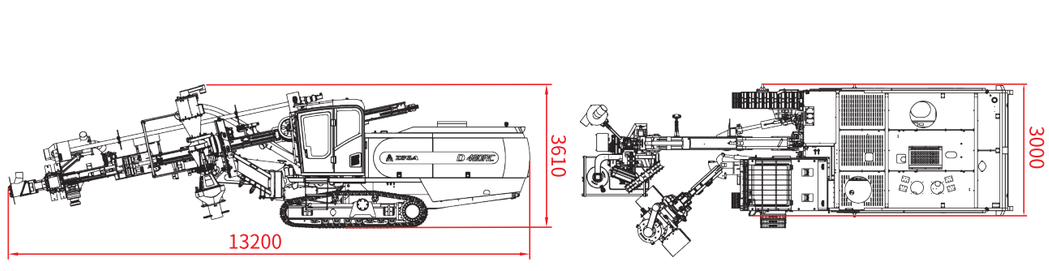
发动机 Engine				螺杆空压机 Screw Compressor	
品牌 Manufacturer	康明斯 Cummins	康明斯 Cummins		品牌 Manufacturer	ZEGA
型号 Model	QSZ13	M14CS4IV41C		型号 Model	ZGDA 184III
排放标准 Emission standards	国III China III	国IV China IV		工作风压 Air working pressure	25 bar
额定功率 Rated power	410kW(552hp)1,900rpm	412kW(552hp)2,100rpm		排风量 Air flow FAD	33 m^3 / min
钻臂和推进梁 Boom & Feed	("( )"内为油缸+钢丝绳参数 The data inside "( )" are parameters of drill rigs with "Hydraulic cylinder +Rope".)			重量及尺寸 Weight & Dimensions	
推进方式 Feed type: 马达+链条 Hydraulic motor + Chain (油缸+钢丝绳 Hydraulic cylinder +Rope)				长度 Length	13,200 mm
推进器总长度 Feed length	11,500 (11,000) mm	最大推进力 Feed force max.	40 (34.5) kN	宽度 Width	3,000 mm
推进补偿 Feed extension	1,300 mm	最大推进速度 Feed rate max.	0.9 (0.88) m/s	高度 Height	3,610 mm
推进行程 Feed travel length	7,600 mm	最大拉拔力 Pull up force max.	50 (67.6) kN	重量 Weight (不含选配件 w/o option)	27,000 kg
功能参数 Functional Specifications				底盘 Chassis	
储杆仓储杆数 Drill pipe handling capacity: 6+1				最大行走速度 Tramming speed.Max	3.0 km/h
孔径范围 Hole range	Φ120 - 150 mm	冲击器 DTH hammer	4"	最大爬坡能力 Max Gradeability	25°
钻杆直径 Drill pipe diameter	Φ102 mm	回转扭距 Rotation torque	5,600 Nm	离地间隙 Carrier ground clearance	420 mm
钻杆长度 Drill pipe length	6,000 mm	回转速度 Rotation rpm	0-80 rpm	履带架摆动 Track frame oscillation angle	±10°
最大孔深 Hole depth.Max	42 m	燃油箱容量 Fuel tank capacity	1000 L	最大驱动力 Traction force.Max	156.2 kN

适用工况/Working conditions

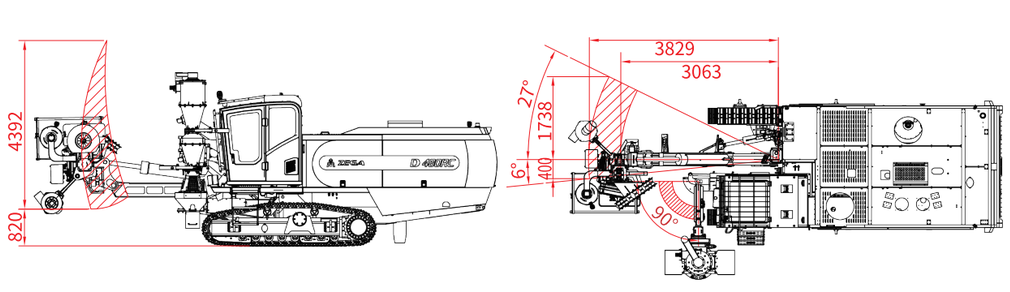
反循环钻进是初始勘探、矿体开发和品位控制的首选方法。广泛应用于露天矿品位控制、分散性矿体的勘探（如金矿）、大孔径的取样（如金刚石）等。

Reverse circulation sampling is preferred for initial exploration, orebody development and grade control. It is widely used in open-pit ore grade control, exploration of dispersed ore bodies (such as gold mines), sampling of large drilling holes (such as diamond mines), etc

工程建筑 Construction		绿色矿山 Green Mining		非爆破行业 Non-blasting Industry	
■ 公路 Highway	■ 水电 Hydropower	■ 水泥 Cement	■ 煤矿 Coal mine	□ 光伏 Photovoltaic	□ 水井地热 Well geothermal
■ 机场 Airport	■ 码头 Wharf	■ 采石 Quarrying	■ 铁矿 Iron mine	■ 房地产 Real estate	□ 边坡治理 Slope treatment



D480RC 运输尺寸 Transport dimensions



钻臂作业覆盖范围 Drilling Coverage Area