

ZEGA R8100H/R8100L

产品特点/Product Features

■ 本型特点: ZEGA R8100系列钻机设计采用牙轮/潜孔两种钻进方式, 满足直径Φ149-270 mm孔径的钻孔需求, 并配置10.7米钻杆, 最大孔穿孔深度至62.5米。

■ ZEGA R8100 series drilling rigs are designed with two drilling methods: rotary and down-the-hole hammer, to meet the drilling requirements of Φ149-270 mm diameter, and are equipped with 10.7 meters long drill pipe with a maximum hole depth of 62.5 meters.



牙轮钻机标配先进功能

Rotary Drill rig configured advanced functions as below

- 推进器定位和行走回落位置检测互锁功能
 - 4方位视频影像显示
 - 自动反吹空滤
 - 支腿位置报警功能
 - 车身水平角度显示和行走超范围报警提示
 - 推进器打孔角度显示+未回落行走报警提示
 - 环境温度检测和显示
 - 风速检测和报警
 - 自动润滑
 - 风防卡系统
 - 孔深测量和显示控制
- Drill mast positioning and tramping and lowering position detection interlock functions
 - 4-zone split-screen video display
 - Automatic compressed air back-flush cleaning air filter
 - Leveling jack position indication and alarm
 - Rig body Inclination angle display and tramping out-of-range alarm/prompt
 - Drill mast drill angle display + when not lowered tramping alarm/prompt
 - Ambient temperature detection and alarm
 - Wind speed detection and alarm
 - Automatic lubrication
 - Pneumatic anti-jam system
 - Hole depth measurement and display control

技术规格/Technical Specifications

发动机 Engine			类型 Type		潜孔(R8100H)	牙轮(R8100L)
品牌 Manufacturer	康明斯 Cummins	卡特彼勒 CAT	螺杆空压机 Screw Compressor	品牌 Manufacturer	ZEGA	ZEGA
型号 Model	QSK19-C800	CATC 18		型号 Model	ZGDA 225 III	ZGDA 225 III
排放标准 Emission standards	国III China III	国III China III		工作压力 Air working pressure	24 bar	8 bar
额定功率 Rated power	597kW(800hp)1,800rpm	571kW(770hp)2,100rpm		排风量 Air flow FAD	43 m ³ / min	54 m ³ / min
功能参数 Functional Specifications						
储杆仓储杆数 Drill pipe handling capacity: 5+1			钻臂和推进梁 Boom & Feed	推进方式 Feed type: 油缸+钢丝绳 Hydraulic cylinder +Rope		
孔径范围 Hole range	Φ149 - 270 mm			推进器总长度 Feed length	14,672 mm	14,672 mm
钻杆直径 Drill pipe diameter	Φ178 / 159 / 140 mm			推进行程 Feed travel length	1,2059 mm	1,2059 mm
钻杆长度 Drill pipe length	10,700 mm			最大推进力 Feed force max.	270 kN	340 kN
最大孔深 Hole depth.Max	62.5 m		最大推进速度 Feed rate max.	0.81 m/s	0.81 m/s	
冲击器 DTH hammer	10"		最大拉拔力 Pull up force max.	93.8 kN	125 kN	
回转扭矩 Rotation torque	11,800 Nm		重量及尺寸 Weight & Dimensions	长度 Length	15,600 mm	
回转速度 Rotation rpm	0-160 rpm			宽度 Width	5,443 mm	
燃油箱容量 Fuel tank capacity	2,700 L			高度 Height	5,962 mm	
底盘 Chassis						
最大行走速度 Tramping speed.Max	2.0 km/h		履带架摆动 Track frame oscillation angle	两边各5°, 总计10° 5° each side, total 10°		
最大爬坡能力 Max Gradeability	20°		最大驱动力 Traction force.Max	156.2 kN		
离地间隙 Carrier ground clearance	326 mm					

适用工况/Working conditions



工程建筑 Construction

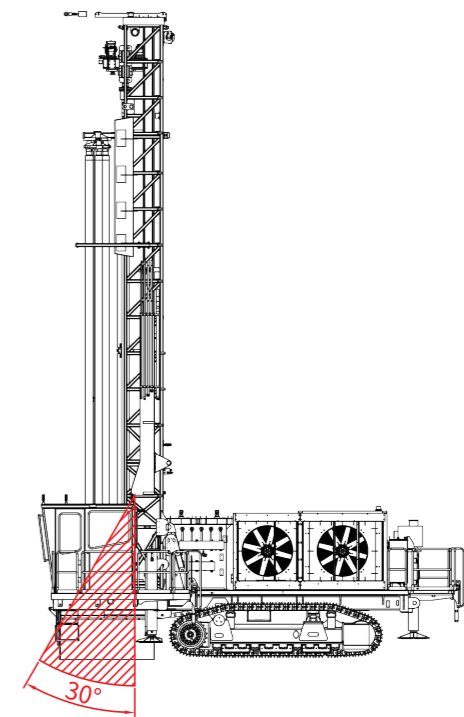
- 公路 Highway 铁路 Railway
- 机场 Airport 码头 Wharf

绿色矿山 Green Mining

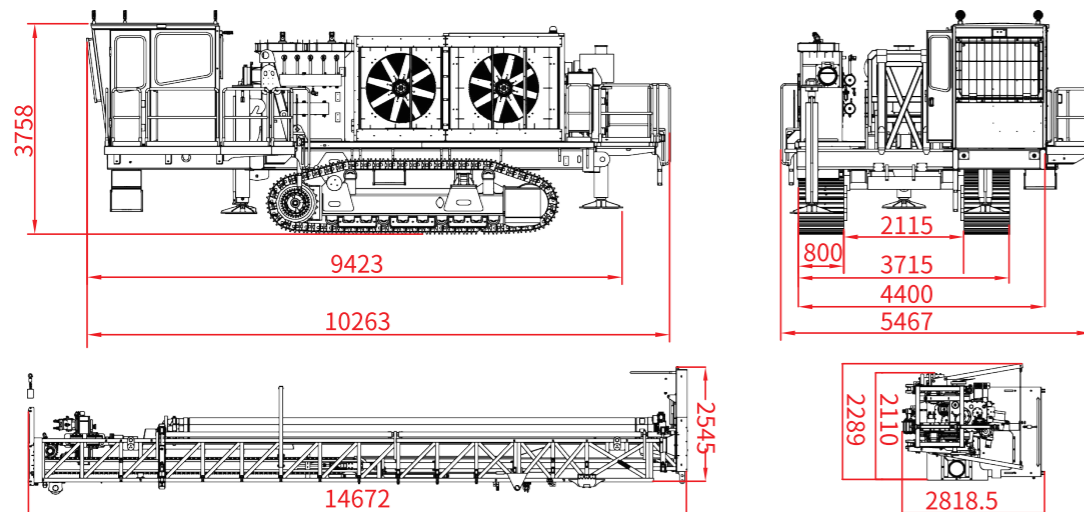
- 水泥 Cement 煤矿 Coal mine
- 采石 Quarrying 铁矿 Iron mine
- 大型露天矿 big scale surface mine

非爆破行业 Non-blasting Industry

- 光伏 Photovoltaic 水井地热 Well geothermal
- 房地产 Real estate 边坡治理 Slope treatment



钻臂作业覆盖范围 Drilling Coverage Area



R8100 运输尺寸 Transport dimensions