

主要技术规格 Main Specifications	ZEGA D335	ZEGA D345	ZEGA D355
推进方式 Feeding method	油缸链条式 Hydraulic cylinder + chain	油缸链条式 Hydraulic cylinder + chain	马达链条式 Motor-chain
推进器总长度 Feed total length	5,500 mm	5,880 mm	5,930 mm
推进补偿 Feed extension	970 mm	970 mm	1,220 mm
推进行程 Feed travel length	3,670 mm	3,670 mm	3,875 mm
最大推进力 Feed force max.	15 kN	20 kN	15-25 kN
最大推进速度 Feed speed max.	26 m/s	26 m/s	30 m/s
最大拉拔力 Pullback force max.	25 kN	45 kN	25 kN
孔径范围 Hole range	Φ90-115 mm	Φ90-138 mm	Φ115-165 mm
最大孔深 Hole depth max.	30 m	30 m	30 m
钻杆规格 Drill pipe	Φ60 mm x 3 m	Φ76 mm x 3 m	Φ76 mm x 3 m
冲击器 Hammer	3.5"	4"	4"/5"
回转扭矩 Rotation torque	2,200 N·m	3,200 N·m	3,500 N·m
回转速度 Rotation speed	0-150 rpm	0-100 rpm	“低 L”65/“高 H”95 rpm
燃油箱容量 Fuel tank capacity	70 L	80 L	156 L
最大行走速度 Tramping speed max.	2.5 km/h	2.5 km/h	3 km/h
最大爬坡能力 Gradeability max.	25°	25°	25°
离地间隙 Ground clearance	310 mm	300 mm	350 mm
履带架摆动 Track frame oscillation angle	±10°	±10°	±10°
最大驱动力 Traction force max.	40 kN	54 kN	59 kN
重量(不含选配件) Weight (w/o Options)	4,620	6,230	7,460
外形尺寸 Dimensions (LxWxH)	5,700×2,130×2,300 mm	7,000×2,250×2,700 mm	7,000×2,300×2,800 mm

产品特点 / Product Features

■ 配置工程单筋履带, 柱塞马达及调平功能, 适应各工况越野需求。其中D355标配双速行走马达, 爬坡能力更强, 能更好地适应露天矿山的复杂地质和路面环境; 操作台底座集中控制, 操作方便, 提高工作效率的同时, 增加了安全性和舒适性。D345配置双工位活动式行走操作台, 行走视线更好; 采用双摆线马达回转头, 扭矩大, 转速快, 满足不同岩层的钻孔要求; 强大的多功能钻臂关节, 能够满足垂直孔、低位水平孔等各种施工要求; 配置大容量的粗滤桶和集尘箱, 结合志高公司自行研发的干式除尘系统, 达到更高环保要求; 高压铸铁油泵使得钻机的系统爆发力和稳定性更强; 拥有稳定可靠的液压系统, 大幅降低能耗。

■ This series of separated DTH drill rigs are equipped with single-grouser track, hydraulic piston driven motor and oscillation frame. ZEGA D355 configured with the dual-speed tramping motor as standard, which greatly achieves the gradeability and is more suitable for complicated terrains of surface mines; centralized operator's console, facilitating the operation efficiency, safety and comfort. D345 equipped with a double-station movable tramping console, which makes the operator's sight better; rotary head driven by the dual cycloid motor, with large torque and high rotation rpm, ZEGA D345 is capable to satisfy drilling requirements of various rock formations; powerful multi-functional drill boom joints enable ZEGA D345 to drill vertical holes and bottom horizontal holes; enlarged pre-separator and dust collector with large capacity, which were independently developed by ZHIGAO is in compliance with global environmental regulations; High-pressure hydraulic oil pump contribute stable and reliable hydraulic system in turn it greatly reduces energy consumption.

适用工况 / Working conditions

■ 该系列分体式潜孔钻机, 主要面向小型采石场、水泥矿山、露天煤矿作业、大型露天矿山的前期场地整理, 以及修路、房地产等基础设施建设应用。配置3.5或4英寸冲击器, 主打Φ90mm、Φ115mm、Φ138mm孔径, 钻孔效率高, 集尘效果优。具有灵活机动的特点, 特别适用于小工作面的施工, 产品广泛应用于矿山及国防、交通、水利、石方等工程。

■ This series of separated DTH drill rigs had been mainly operating at small-sized quarries, cement mine, open-pit coal mines and preliminary site preparation for large-scale open-pit mines, as well as infrastructure construction for highways, real estate and other industries. Equipped with 3.5-inch or 4-inch hammers, the optimum hole ranges are Φ90mm, Φ115mm and Φ138mm with high drilling efficiency and outstanding dust collection performance. The flexibility and mobility of this series are especially suitable for the construction of restricted working areas, and have been successfully applied to mining and military projects, road construction, water conservancy, rock excavation and other applications, and have been widely recognized by customers at home and abroad.

ZEGA D335 分体式露天潜孔钻机 Separated DTH Surface Drill Rig

最佳孔径范围 Optimal Hole Range: Φ90-115 mm

配套空压机方案推荐 Recommended air compressors:

电移螺杆式空压机 Electrical Portable Screw Compressors: SPE460S-14.5

柴移螺杆式空压机 Diesel Portable Screw Compressors: SPD500S-12-15/SPD510D-15-18

发动机品牌 Engine manufacturer	康明斯 Cummins	康明斯 Cummins	康明斯 Cummins
型号 Model	4BTA3.9-C80	QSB3.9-C80	B3.9CS4-C80
排放标准 Emission standard	国 II China II	国 III China III	国 IV China IV
额定功率 Rated power	60 kW (80 hp)	60 kW (80 hp)	60 kW (80 hp)
转速 RPM	2,200 rpm	2,000 rpm	2,500 rpm



ZEGA D345 分体式露天潜孔钻机 Separated DTH Surface Drill Rig

最佳孔径范围 Optimal Hole Range: Φ90-138 mm

配套空压机方案推荐 Recommended air compressors:

电移螺杆式空压机 Electrical Portable Screw Compressors: SPE615D-19

柴移螺杆式空压机 Diesel Portable Screw Compressors: SPD670D-18-22 / SPD600D-15-18

发动机品牌 Engine manufacturer	康明斯 Cummins	康明斯 Cummins	康明斯 Cummins
型号 Model	4BTA3.9-C80	QSB3.9-C80	B3.9CS4-C80
排放标准 Emission standards	国 II China II	国 III China III	国 IV China IV
额定功率 Rated power	60 kW (80 hp)	60 kW (80 hp)	60 kW (80 hp)
转速 RPM	2,200 rpm	2,000 rpm	2,500 rpm



ZEGA D355 分体式露天潜孔钻机 Separated DTH Surface Drill Rig

最佳孔径范围 Optimal Hole Range: Φ115-165 mm

配套空压机方案推荐 Recommended air compressors:

电移螺杆式空压机 Electrical Portable Screw Compressors: SPE680D-24

柴移螺杆式空压机 Diesel Portable Screw Compressors: SPD670D-18-22/SPD750-18-22

发动机品牌 Engine manufacturer	康明斯 Cummins	康明斯 Cummins	康明斯 Cummins
型号 Model	4BTA3.9-C100	QSB3.9-C100	B3.9CS4-C110
排放标准 Emission standards	国 II China II	国 III China III	国 IV China IV
额定功率 Rated power	74 kW (100 hp)	74 kW (100 hp)	81 kW (110 hp)
转速 RPM	2,200 rpm	2,400 rpm	2,500 rpm

