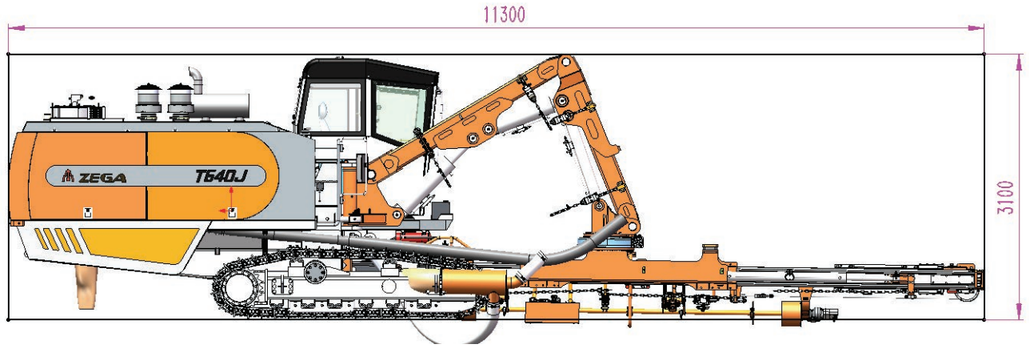
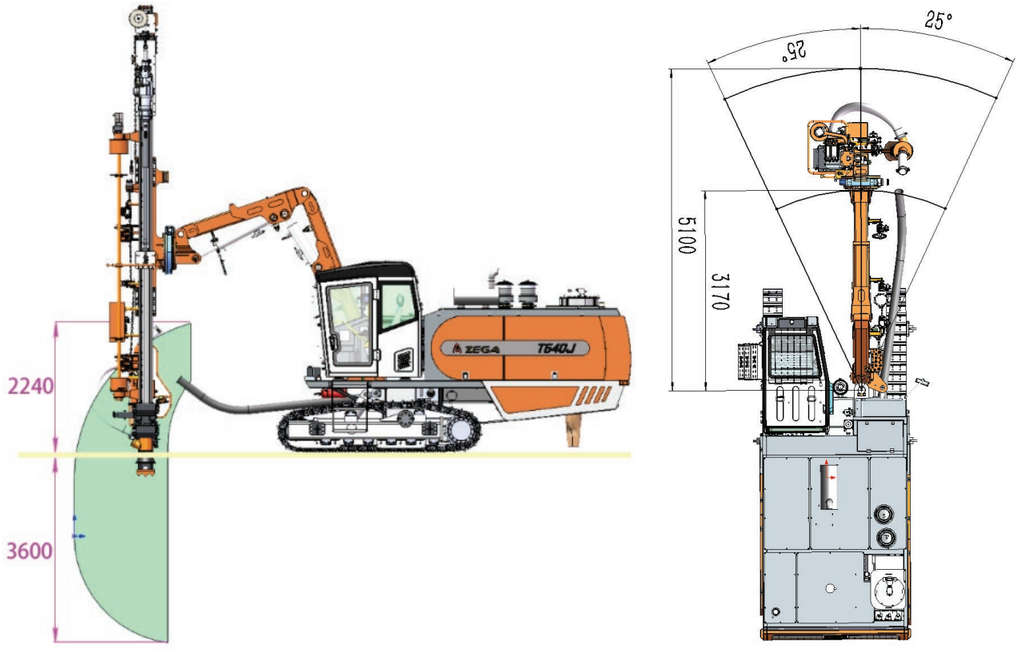
ZEGA Integrated Top hammer Surface Drill

ZEGA T640J

Dimensions



Drilling Coverage Area



The drill rig shown in the pictures / figures may be equipped with optional equipment. The specifications are subject to change without prior notice. Please consult your local Zhigao representatives for details.

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China “Core tech” , Zhigao (ZEGA) independent researched and developed core technology for higher productivity!

Recommended hole diameter:Φ76 - 102 mm

ZEGA T640J

ZEGA T640J series drilling rigs are used in quarries, open pit mining, hydro power construction, road construction and other rock excavation drilling operations. This series of hydraulic drills use 45 / 51 mm diameter connecting drill rods to drill vertical, inclined holes from 76 mm to 102 mm diameter. The maximum hole depth can reach 20 meters.

■ High efficiency and energy saving: The average pure penetration rate is 1 meter per minute within the range of the hole diameter, and the fuel consumption is less than 0.6 liters per drilled meter.

■ Maneuverability and flexibility: The design of the folding boom provides a large drilling coverage area and a more stable center of gravity, enabling the drilling rig to travel at a maximum speed of 3.1 kilometers per hour.

■ Life-cycle cost and maintenance convenience: Compared with the imported brand counterpart, the cost of purchasing, running and maintaining the drilling rig is greatly reduced. There is ample maintenance space in the machine compartment and all service points are within easy reach.

Auto Lubrication Function

The automatic lubrication function makes the tool life longer and easier to operate.

Electrical Control System

The electro hydraulic operating system make the adjustment and operation extremely convenient. Its intelligent controller and CAN communication simplifies the electrical circuits, and the real-time monitoring of input and output for easy maintenance and troubleshooting. A full range of automatic protection and maintenance reminder functions make the rig last longer.

Feeding System

A feeding system consisting of aluminum alloy feed beam, hydraulic cylinder-wire rope feeding and hoses auto tension follower is configured to realize fast and slow feeding and lifting. The automatic hose follower makes the feeding movement smoother.

Rod Handling System

Rod carousel with rotating hydraulic cylinder, manipulator, drill rod thread lubricator, and rod chuck constitute a simple and efficient RHS system.

Standard configuration

- Drill rod handling system
- Two-stage dry dust collector
- 20 kW high power rock drill
- Aluminum alloy feed beam
- Folding boom
- Air conditioning cab
- Dual-speed driven track carrier
- Electrical pump for oil refill
- Emergency safety shutdown device

Boom/Hydraulic cylinder

The high-strength folding boom design and enlarged hydraulic cylinder ensure the drill rig a larger effective drilling coverage area.

Optional components

- Water-mist system
- Remote intelligent management system
- Cold weather kit

Tramming Mechanism

The combination of heavy-duty track-chassis and oscillation cylinders make it extremely maneuverable.

Dual Drill Rod Supporter

Dual drill rod supporter design ensures drilling straightness and improves drilling completion rate.

Dust Collector

The two-stage dry dust collector design is environment friendly and helps improve productivity.



Technical Specifications

Hole range (mm)	64-102
Hole depth (m)	20
Rock drill	ZY 104H
Percussion power (kW)	20
Percussion rate (Hz)	60
Rotation rpm	0-135
Rotation torque (N.m)	1180
Drill rod carousel capacity	5+1(Auto rod changer)
Drill rod length (mm)	3,660
Drill rod size (mm)	45 / 51

Screw Compression Air Compressor

Air end manufacturer	ZEGA
Discharge air volume FAD (m^3 / min)	7
Working pressure (bar)	8

Engine

Model	6BTAA5.9-C205
Emission standard	China Stage II
Manufacturer	Cummins
Rated RPM	2,100
Rated power (kW)	152
Fuel tank capacity (L)	340

Boom

Boom type	Folding boom
Feeding method	Cylinder-wire rope
Feed total length (mm)	7,320
Travel length (mm)	4,420
Feed extension (mm)	1,200
Feeding speed (m/s)	0.9
Feeding force maxi (kN)	20
Pull up force (kN)	20

Chassis

Max Tramming speed (km/h)	3.1
Traction force (kN)	138
Max Slope climbing ability	25°
Track frame oscillation angle	± 10°
Ground clearance (mm)	360

Weight & Transport dimensions

Width (mm)	2,450
Height (mm)	3,100 mm
Length (mm)	11,300 mm
Weight (kg)	14,100 kg