Technical Specifications

Hole range：Φ115 - 152 mm
Best DTH hammer sizes：4” / 5”
Drill pipe handling capacity：6 + 1
Drill pipe outer diameter：Φ102 mm
Drill pipe length：5 m (optional 6 m or 7 m)
Maximum hole depth w/ Automatic handling: 35 m
Hydraulic driven rotary head
Rotation speed：0 - 105 rpm
Maximum torque：4,435 N.m
Engine：Cummins L9CS4-400C
Rated power：294 kW (395 hp)
Emission standard: Tier IV / Euro stage IVA compliance
Fuel tank
Capacity：750 L
Air compressor: ZEGA ZGDB 138 III O-H
Maximum working pressure：21 bar (305 psi)
Rated FAD：19 m^3 / min
Boom type
Heavy duty single boom
Feed beam：High strength aluminum alloy
Hydraulic cylinder - steel rope feeding system
Total length：9,000 mm
Travel length：5,600 mm
Feed extension：1,300 mm
Maximum feeding rate：0.88 m / s
Maximum feed force：34.5 kN
Maximum pullback force：67.6 kN
Track frame：with oscillation
Max Tramming speed：3 km / h
Max Traction force：156.2 kN
Hill climbing ability：25°
Track frame oscillation angle：±10°
Ground clearance：420 mm
Transport dimensions（w/o options）, approx.
Weight：22,000 kg
Length：11,550 mm
Width：2,700 mm
Height：3,560 mm

Standard configuration

- Cummins engine L9CS4-400C Power 294 kW
- ZEGA air compressor 19 m^3 / min / 21 bar
- Cooling system up to 50 °C ambient temperature
- Automatic drill pipe handling system
- Retractable dust hood for hole collaring accuracy
- Dust pre-separator
- Dry dust collector with filter element automatic continuous cleaning
- Hydraulic motor driven rotary head
- Feed beam extension compensation mechanism
- High strength aluminum alloy feed beam
- DTH hammer lubricator
- Floating hose reel and follower
- Safety cab with air conditioning / heating, rear view mirrors and multi-angle adjustable operator seat, etc.
- Noise level ⩽ 80 dB (A), ergonomic designed operating joystick on the armrest of the seat
- Dual-speed hydraulic tramming motor
- Heavy-duty track frame with triple-grouser shoes
- Hydraulic drill pipe guide and break-out mechanical arm
- Fuel saving (automatic unloading during impact pressure idling, automatic engine rpm control, etc.)
- Backup alarm
- Working lights
- Automatic emergency shut-down
- Manual pump for hydraulic oil refill with filter
- Hydraulic drill pipe clamp

Optional components

- Auto anti-jamming system
- Water-mist dust collection system
- Remote intelligent management system
- High altitude package
- Cold weather kit
- Electrical pump for fuel refill

本文图片所示设备可能配有选装部件，设备规格如发生变化，恕不预先通知。具体情况请咨询您当地的志高掘进代理商。
Product pictures in this brochure may be equipped with options and all specifications are subject to change without prior notice. Please consult your local representatives of Zhigao.

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ZEGA Integrated DTH Surface Drill
D460A



Efficient and accurate blast hole drilling, for open pit mines,
quarries and various medium soft and medium hard rock bench excavation.

Recommended hole range：Φ115 - 152 mm

ZEGA

Reasonable choice for users with operation efficiency and stability concerns:

Top performer! Sound investment!

Floating hose reel 1

The patented floating hose reel avoiding deformation point of hose and for longer hose service life.

Hydraulic cylinder-steel wire rope feeding 3

Hydraulic cylinder - steel wire rope feeding for precision feed control and high torque rotary head for smooth movement.

New breakout table 4

New breakout table for pipe handling for better sight and operation convenience!



High-strength aluminum alloy feed beam 2

Standard configured 5 - meter drill pipe with high-strength aluminum alloy feed beam and stainless steel protective cover, light weight, durable and efficient.

User-friendly safety cab 5

Wide view, user-friendly cab for safety with optional front window guardrail.

Strong traction force 6



- Heavy duty track chassis, track frame hydraulic oscillation angle ±10°
- Strong traction force, high ground clearance and good off-road performance.

Dust collection system 7



- Zhigao（ZEGA）two-stage dust collection technology, industry leading . Large dust filter area and filter element automatic continuous self-cleaning.
- Dust filter elements easily removed with high efficient maintenance.
- Retractable dust collection hood for operator clear observation of collaring operation during collaring process.

CE certified.

Best in the field. Priced to value.