

TAIYE-X45-DTH Technical parameters		
Engine	Type	YC07A260-301
	Emmission standard	National Stage-III
	Power	191KW
	Fuel tank capacity	550L
Propulsion	Stroke	4115mm
	Fast pushing speed	Max 60m/min
	Lifting force	20KN
Rotary Power	Rotate speed	0-140 Rpm
	Torque	3400N.m
Working Angle	Drill boom Up/Down	56°/23°
	Drill boom Left/Right	15°/35°
	Carriage Left/Right	90°/31°
Hole range	Diameter	90-140mm
	Diameter	76/89mm
Rod	Lenght	3000mm (optional 4000mm)
	Rod Number	5+1
Transportation Clearance	Length	9400mm
	Width	2400mm
	Height	3500mm
	Weight	13500kg
Walking system parameter	Track width	350mm
	Gradeability	30°
	Speed	0-2.5km/h
	Ground clearance	420mm
Dust removal	Body floating	±6°
	Motor rotation speed	3700rpm
	Filter area	20m²
Compressor	Manufacturer	BSC/Sullivan-Palatek
	Flow	14m³/min
	pressure	1.7Mpa
Working condition	Environment temperature	-35/50℃
	Altitude	≤3000m



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 泰业钻机

# TAIYE

Integrated hydraulic DTH drilling rig

# X45

# DTH

Used for quarry, open-pit mine  
Hole diameter range : 90-130mm



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# TAIYE DRILL X45 DTH

TAIYE DRILL has focused on the manufacture of surface drilling rigs for more than 25 years. The TAIYE-X45-DTH hydraulic down-the-hole drilling rig integrates the performance advantages of many models, high efficiency, energy saving, and environmental protection. It is suitable for blasting operations in open-pit mines and quarries with various hardness rocks in the diameter range of 90-130mm.

This machine can be equipped with BSC or imported Sullivan-Palatek two-stage screw air compressor, with abundant flow, stable pressure, fast perforation speed, energy-saving and fuel-saving; it adopts Yuchai EFI engine of National stage-III emission standard. The automatic hydraulic rod changer is simple and easy to operate. Adopt Eton imported propulsion and lifting motor, integrated design of motor and brake, large output torque, compact structure, safe and reliable; imported hydraulic components are reliable, durable, low failure rate and easy to maintain. The shock absorber installed in front of the rotary power head extends the service life of the rotary mechanism and the impactor, and reduces the wear and tear of the drill thread; the high manganese steel slide rail has better wear resistance and more durable.



## Automatic rod-changer

Automatic rod-changer, the number of storage rods is 5+1 pieces. The standard configuration is 3m drill rod. (Optional 4m drill rod)  
It adopts the Maltese structure. The action is simple and easy to use, and the failure rate is low. It saves you the trouble of frequent manual changing of rods, simple and flexible control, reduces auxiliary manpower, eliminates safety hazards, and directly reduces investment costs.



## Cab

The cab provides a spacious, comfortable and safe operating environment for the operator. It has a good drilling vision, an intensive design of electronic control buttons and hydraulic handles, a reasonable layout, and simple and easy-to-control.



## Air compressor

The air compressor is matched with BSC or Sullivan-Palatek imported two-stage screw air compressor. The output air pressure is 1.7Mpa and the displacement is 14m<sup>3</sup>/Min. When drilling 90-140mm holes, it has low energy consumption and high speed. It is equipped with unloading automatic control technology to reduce fuel consumption.

## Engine

The engine adopts Guangxi Yuchai EFI engine with a power of 191Kw and national three emission standards. The engine speed automatic adjustment technology is characterized by fuel saving and environmental protection. The injection system is automatically controlled.

## Walking motor

The high-quality walking motor is matched with 350mm widened single-reinforced track shoes, which has strong power and gradeability and stable walking mechanism. The chassis adopts a hydraulic leveling mechanism, which has strong adaptability to working conditions and is durable.

## Dust removal device

It is 16-filter two-stage dry high-efficiency dust removal system (optional high-pressure water dust removal system). The pulse controller can accurately control the blowing time of the filter element, and the built-in high-quality filter material improves the dust collection ability.