

More than 30years technology  
 Apply for water & core drilling

130-1400m drilling capacity  
 DTH Drilling available(Optional)

# JXY Series

## VERTICAL SPLINE DRILLING RIG

### 立轴式钻机

#### INTRODUCTION产品介绍

>> JXY series hydraulic drilling rig is a kind of widely used portable drill. It is suitable for drilling water well, geological survey, geological core drilling, small grouting holes, blasting holes of railway, water conservancy, bridges, dam foundation and other buildings. According to different strata, it drills by choosing diamond, composite films and alloy

>> The rig is in higher rotational speed and rational range of rotational speed; large torque in low speed.

>> The drill is suitable in the mountain area because of light weight for easy transport and convenient disassembly (to be disassembled into nine parts).

>> With compact structure and reasonable layout, and all exposed, non overlapped

#### >> CHARACTERISTICS产品特点

>> Multi-functional drilling rig, JXY Series Hydraulic Well Drill Machine Specially recommended.

>> Drilling depth can reach 30-1400m.2, Steels quality is good, big torque.

>> Easy operation, free-maintaining.

>> For various complex stratum, such as pebble bed, aggregate bed.

>> Saving money, compact construction, easy moving.

>> It is convenient for you to treat trouble with two reverse speeds. With low center of gravity, the rig is reliable and stable in high speed drilling.

>> It improves drilling efficiency and reduces labor intensity With hydraulic automatic feeding mechanism.

>> It can be achieved without stopping to change rods, easy to operate, safe and reliable with ball clip holding mechanism or hydraulic chuck.

### Application 产品应用



Wireline Diamond Core Drilling



SPT&amp;CPT Geological Exploration



Subgrade Grouting Hole Drilling



Engineering Exploration Drilling



Water Well Drilling



Concrete Inspection Hole Drilling

### Chassis Type 底盘形式



Skid 雪橇式



Crawler 履带式



Trailer 拖车式

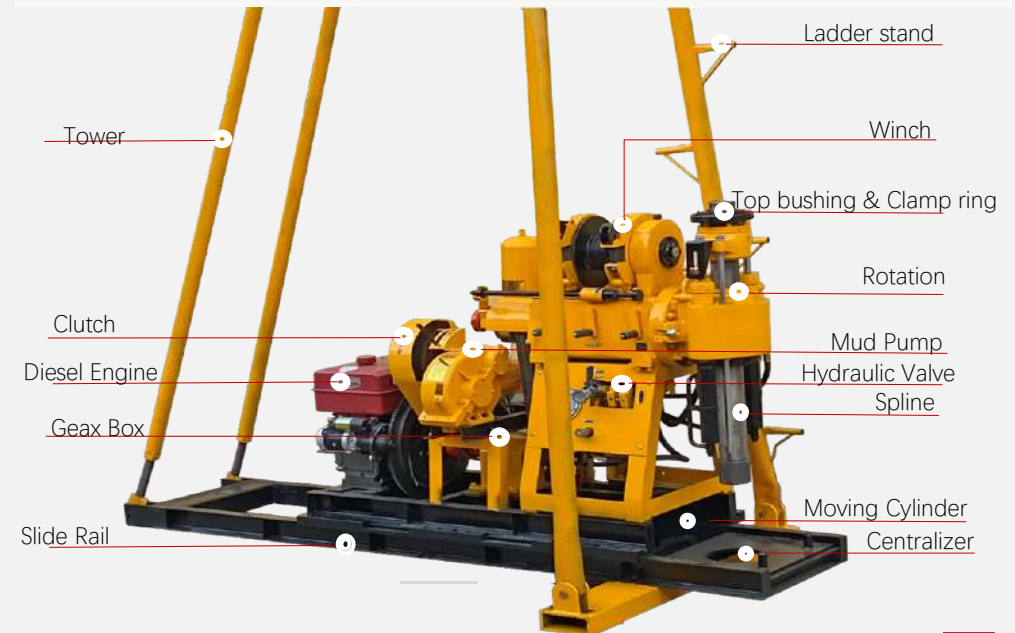


Truck 车载式

# JXY Series Drilling Rig

### Main Structure 主要结构

## JXY Series Vertical Spline Drilling Rig



# MUD Drilling Know How

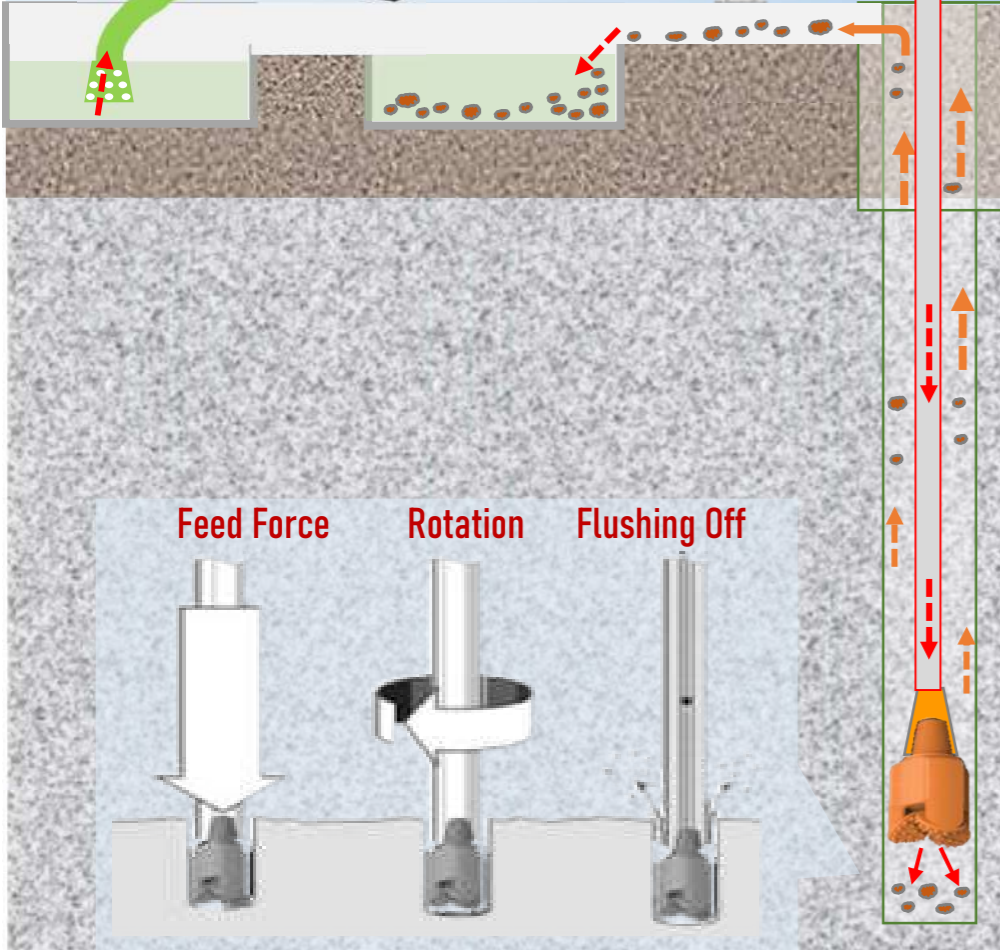
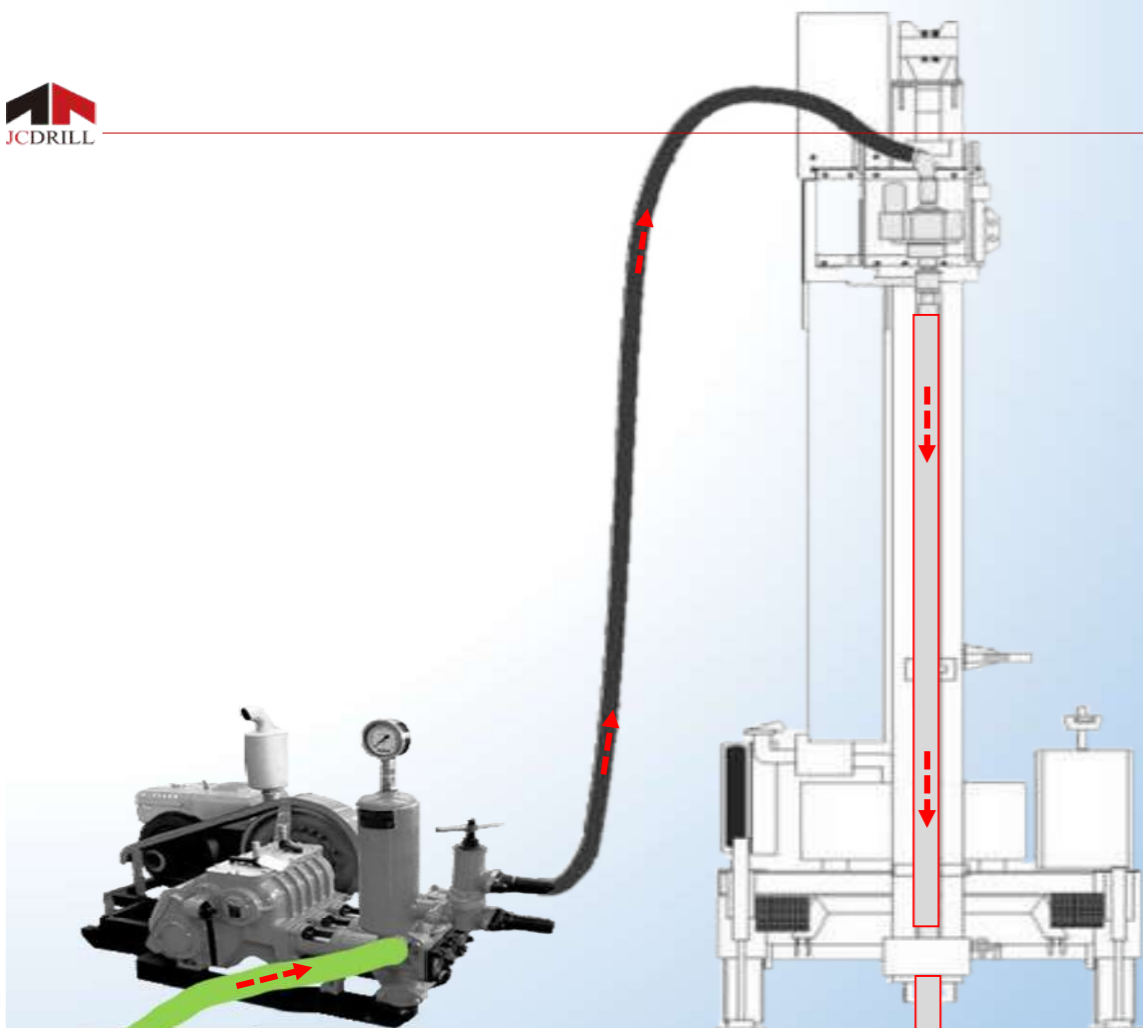
Mud rotary drilling is an open hole, fluid based recirculatory method of drilling. The bore hole is advanced in rock and/or sediments by rapid rotation of a drill bit mounted at the end of drill rods. Drilling fluid circulates in the bore-hole as it pumps down through the rod string, where it picks up drill cuttings and carries them to the surface. The drilling fluid also lubricates the drill bit and provides hydrostatic pressure in the borehole to keep the hole open and stable for sampling and installations. Mud rotary drilling is used in bedrock, dense sand or tight gravel formations.

## Benefits

Holes can be drilled in geology with water ingress, and can be used as the most accurate form of directional drilling at depth  
 Effective for difficult ground conditions

## Applications

Used for the drilling of utility, paste, de-watering and other infrastructure holes  
 Used for borehole development in the oil and gas industry  
 Used to drill pilot holes for the attachment of large reamers used during raise boring



## Characteristics 产品特点

The JXY100 core drilling rig is suitable for drilling projects such as general survey exploration, geophysical exploration, road and building exploration, and blasting holes.

- >> Equipped with an automatic hydraulic feeding mechanism and high drilling efficiency.
- >> The use of a ball clamping mechanism instead of a chuck allows for non-stop rod tilting.
- >> Centralized handle, easy to operate, safe and reliable
- >> The structure is compact, with the drilling rig, water pump, and diesel engine all installed on the same chassis, occupying a small area of the airport.
- >> Lightweight, highly decomposable, easy to relocate, suitable for working in plains or mountainous areas.

## Specification 技术参数

技术参数	Specification	Unit	JXY100
钻进深度	Drilling depth	m	100,70,50
开孔-终孔直径	Hole diameter	mm	110,75
钻杆直径	Drill pipe diameter	mm	50,42
钻孔倾斜角度	Inclination angle	°	90°-75°
钻机外廓尺寸	Size	mm	1640*690*1440
钻机重量除动力	Weight(Exclude power)	kg	500
最大起重量-单绳	Max lifting capacity	kn	10
卷筒直径	Drum diameter	mm	145
卷筒转速	Drum speed	r/min	220,110,55
卷筒圆周线速度	Roll Circumferential velocity	m/s	1.68,0.84,0.42
钢丝绳直径	Wire rope dia.	mm	9.3
钢丝绳最大容量	Rope max. capacity	m	27
抱闸直径	Brake diameter	mm	230
闸带宽度	Barrier width	mm	50
型号	Model	YBC-20/125	
排量	Displacement	ml/r	16
额定压力	Rated pressure	mpa	20
额定转速	Rated speed	r/min	2000

# JXY100



## Power Available 可选动力

Diesel Electric

## Chassis Available 可选底盘

Skid Trailer Crawler Truck

立轴转速三挡	Vertical shaft speed(3gear)	r/min	570,285,142
立轴行程	Spline stroke	mm	450
立轴空载向上最大移动速度	Spline feed stroke	m/min	3
立轴最大给进压力	Spline max.feed pressure	kn	15
立轴最大起重力	Spline max. lifting capacity	kn	25
型号	Model	ZS1105	
额定功率	Rated power	kw	13.2
额定转速	Rated speed	r/min	2200
型号	model	Y132M-4	
额定功率	Rated power	kw	7.5
额定转速	Rated speed	r/min	1440
型号	Model	Horizontal single cylinder double acting	
最大排量	Max. displacement	l/min	95,77
冲程次数	Number of strokes	min	120,96
最大许用压力	Max. allowable pressure	mpa	1.2
工作压力	Working pressure	mpa	0.7
缸套直径	Cylinder liner diameter	mm	80
活塞行程	Piston stroke	mm	100

### Characteristics 产品特点

The JXY150 drilling rig is a widely applicable hydraulic feed drilling rig with characteristics such as high power, high lifting force (2T), and large torque transmission. The hexagonal vertical shaft speed ranges from 71r/min to 620r/min, suitable for geological exploration, geological core drilling, small grouting holes, blasting holes, and small water well holes in buildings such as railways, water conservancy, bridges, and dam foundations. Diamond drill bits, alloy and steel grain drill bits can be selected according to different geological formations for drilling.

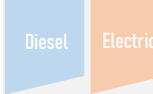
- >> Equipped with an oil pressure feeding mechanism, the drilling efficiency is high.
- >> The rotation torque is large and the diameter of the opening is large.
- >> Equipped with a ball card clamping mechanism, it can achieve non-stop pole tilting with high efficiency.
- >> The drilling rig has a compact structure, small volume, light weight, strong decomposability, and is easy to transport.

### Specification 技术参数

技术参数	Specification	Unit	JXY150
钻进深度	Drilling depth	m	150,100,70,50,30
开孔直径、终孔直径	Hole diameter	mm	150,130,110,91,75
钻杆直径	Drill pipe diameter	mm	50,42
钻孔倾斜角度	Inclination angle	°	90°-75°
钻机外廓尺寸	Size	mm	1433*697*1274
钻机重量除动力	Weight(Exclude power)	kg	500
最大起重量-速单绳	Max lifting capacity	kn	15
卷筒直径	Drum diameter	mm	140
卷筒转速	Drum speed	r/min	168,84,36,18
卷筒圆周线速度	Roll Circumferential velocity	m/s	1.403,0.703,0.351,0.176
钢丝绳直径	Wire rope dia.	mm	9.3
钢丝绳最大容量	Rope max. capacity	m	35
抱闸直径	Brake diameter	mm	252
闸带宽度	Barrier width	mm	50
型号	Model		YBC-20/125
排量	Displacement	ml/r	16
额定压力	Rated pressure	mpa	20
额定转速	Rated speed	r/min	2000

# JXY150

### Power Available 可选动力



### Chassis Available 可选底盘形式



立轴转速三挡	Vertical shaft speed(3gear)	r/min	620,310,142,71
立轴行程	Spline stroke	mm	450
立轴空载向上最大速度	Spline feed stroke	m/min	3
立轴最大给进压力	Spline max.feed pressure	kn	15
立轴最大起重力	Spline max. lifting capacity	kn	25
型号	Model	ZS1115	
额定功率	Rated power	kw	16.2
额定转速	Rated speed	r/min	2200
型号	model	Y160M-4	
额定功率	Rated power	kw	11
额定转速	Rated speed	r/min	1460
型号	Model	Horizontal single cylinder double acting	
最大排量	Max. displacement	l/min	95,77
冲程次数	Number of strokes	min	120,96
最大许用压力	Max. allowable pressure	mpa	1.2
工作压力	Working pressure	mpa	0.7
缸套直径	Cylinder liner diameter	mm	80
活塞行程	Piston stroke	mm	100

## Characteristics 产品特点

The JXY150A core drilling rig is a high-speed and lightweight drilling rig with hydraulic feed. This drilling rig is suitable for general exploration and engineering geological survey of solid mineral deposits, as well as various concrete structure inspection holes. According to the different geological structures, diamond, alloy, and steel grain drill bits can be selected for drilling.

- >> Equipped with an oil pressure feeding mechanism, it improves drilling efficiency and reduces labor intensity for workers.
- >> The drilling rig is equipped with an upper ball card clamping mechanism and a hexagonal active drill rod, which can perform non-stop rod tilting, with high work efficiency and safety. Damn it.
- >> Equipped with a bottom pressure gauge to indicate pressure, making it easy to grasp the situation inside the hole.
- >> The handle is centralized and easy to operate.
- >> The drilling rig has a compact structure, small volume, light weight, strong decomposability, easy relocation, and is suitable for working in plains or mountainous areas.

## Specification 技术参数

技术参数	Specification	Unit	JXY150A
钻进深度	Drilling depth	m	180,150,100
开孔直径、终孔直径	Hole diameter	mm	150,75,46
钻杆直径	Drill pipe diameter	mm	50,42
钻孔倾斜角度	Inclination angle	°	90°-75°
钻机外廓尺寸	Size	mm	1700*780*1274
钻机重量除动力	Weight(Exclude power)	kg	500
最大起重量-速单绳	Max lifting capacity	kn	15
卷筒直径	Drum diameter	mm	140
卷筒转速	Drum speed	r/min	121,76,36
卷筒圆周线速度	Roll Circumferential velocity	m/s	1.05,0.66,0.31
钢丝绳直径	Wire rope dia.	mm	9.3
钢丝绳最大容量	Rope max. capacity	m	35
抱闸直径	Brake diameter	mm	252
闸带宽度	Barrier width	mm	50
型号	Model		YBC-20/125
排量	Displacement	ml/r	16
额定压力	Rated pressure	mpa	20
额定转速	Rated speed	r/min	2000

# JXY150A



## Power Available 可选动力

Diesel Electric

## Chassis Available 可选底盘

Skid Trailer Crawler Truck

立轴转速五挡	Vertical shaft speed(5gear)	r/min	1,010,790,470,295,140
立轴行程	Spline stroke	mm	450
立轴空载行程	Spline feed stroke	m/min	3
立轴最大给进压力	Spline max.feed pressure	kn	15
立轴最大起重力	Spline max. lifting capacity	kn	25
型号	Model		ZS1105
额定功率	Rated power	kw	13.2
额定转速	Rated speed	r/min	2200
型号	model		Y160M-4
额定功率	Rated power	kw	11
额定转速	Rated speed	r/min	1460
型号	Model		出式半个上 双作田
最大排量	Max. displacement	l/min	95,77
冲程次数	Number of strokes	min	120,96
最大许用压力	Max. allowable pressure	mpa	1.2
工作压力	Working pressure	mpa	0.7
缸套直径	Cylinder liner diameter	mm	80
活塞行程	Piston stroke	mm	100

## Characteristics 产品特点

The JXY180 core drilling rig is suitable for drilling projects such as general survey exploration, geophysical exploration, road and building exploration, and blasting holes.

>> Equipped with an automatic hydraulic feeding mechanism and high drilling efficiency.

>> The use of a ball clamping mechanism instead of a chuck allows for non-stop rod tilting.

>> Centralized handle, easy to operate, safe and reliable

>> The structure is compact, with the drilling rig, water pump, and diesel engine all installed on the same chassis, occupying a small area of the airport.

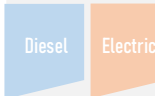
>> Lightweight, highly decomposable, easy to relocate, suitable for working in plains or mountainous areas.

## Specification 技术参数

技术参数	Specification	Unit	JXY180
钻进深度	Drilling depth	m	180;150;100;70;50;30
开孔直径、终孔直径	Hole diameter	mm	150,130,110,91,75
钻杆直径	Drill pipe diameter	mm	50,42
钻孔倾斜角度	Inclination angle	°	90°-75°
钻机外廓尺寸	Size	mm	1433*697*1274
钻机重量除动力	Weight(Exclude power)	kg	600
最大起重量-速单绳	Max lifting capacity	kn	20
卷筒直径	Drum diameter	mm	140
卷筒转速	Drum speed	r/min	170,85,39
卷筒圆周线速度	Roll Circumferential velocity	m/s	1.476,0.738,0.345,0.172
钢丝绳直径	Wire rope dia.	mm	12
钢丝绳最大容量	Rope max. capacity	m	40
抱闸直径	Brake diameter	mm	278
闸带宽度	Barrier width	mm	50
型号	Model		YBC-20/125
排量	Displacement	ml/r	16
额定压力	Rated pressure	mpa	20
额定转速	Rated speed	r/min	2000

# JXY180

## Power Available 可选动力



## Chassis Available 可选底盘形式



立轴转速四挡	Vertical shaft speed(4gear)	r/min	1010;505;236;118
立轴行程	Spline stroke	mm	450
立轴空载向上最大速度	Spline feed stroke	m/min	3
立轴最大给进压力	Spline max.feed pressure	kn	15
立轴最大起重力	Spline max. lifting capacity	kn	25
型号	Model	ZS1115	
额定功率	Rated power	kw	16.2
额定转速	Rated speed	r/min	2200
型号	model	Y160M-4	
额定功率	Rated power	kw	11
额定转速	Rated speed	r/min	1460
型号	Model	Horizontal single cylinder double acting	
最大排量	Max. displacement	l/min	95,77
冲程次数	Number of strokes	min	120,96
最大许用压力	Max. allowable pressure	mpa	1.2
工作压力	Working pressure	mpa	0.7
缸套直径	Cylinder liner diameter	mm	80
活塞行程	Piston stroke	mm	100

## Characteristics 产品特点

The JXY260 drilling rig is a mechanical transmission hydraulic feed vertical rotary, lightweight and multi-purpose engineering survey and construction drilling rig. It is suitable for engineering geological survey work such as handicrafts, civil buildings, highways, railways, bridge foundations, dam sites, water conservancy, water wells, and exploration, shallow oil and gas extraction, mine tunnel ventilation and drainage, and small-diameter foundation pile hole construction. According to different geological formations, diamond, hard alloy, spiral and other drill bits can be used for drilling.

- >> There are eight speed levels, centralized transmission, and mutual self-locking.
- >> Low speed, high torque, suitable for drilling rig sampling and pile hole construction.
- >> The drilling rig has two reverse speeds for safe handling of faults.
- >> The rotary chuck adopts a manual ball card chuck (optional automatic centering hydraulic chuck), which clamps reliably, does not damage the active drill rod, and can perform non-stop rod tilting.
- >> Oil pressure feeding, easy operation, high drilling efficiency, low labor intensity.
- >> Equipped with sufficient instruments, few control handles, reasonable layout, flexible and reliable operation.
- >> Adopting a dual disc normally closed friction clutch, it is flexible in opening and closing, easy to adjust and use.
- >> Equipped with a forward and backward moving cylinder, the rotator moves 465 millimeters backward.
- >> The drilling rig is lightweight, compact in structure, and easy to disassemble, making it suitable for drilling work in hilly or mountainous areas.

## Specification 技术参数

技术参数	Specification	Unit	JXY260
钻进深度	Drilling depth	m	0-260
钻孔直径	Hole Diameter	mm	75-330
钻杆直径	Pipe diameter	mm	Φ60,Φ50,Φ42
钻孔斜角	Drilling angle	°	0°-360°
钻机重量除动力	Weight(Exclude power)	kg	800
主动钻杆	Rotary drill rod	mm	53*59*4300
动力机转速	Power machine speed	r/min	1460/1800
正转低速	Forward rotation at low speed	r/min	43; 74; 117;162/53;92;145;200
正转高速	Forward to High Speed	r/min	203;352;556; 768/250;435; 668;947
反转	Reversal rotation	r/min	33; 159/41; 196
立轴行程	Spline Stroke	mm	500
立轴最大扭矩	Max. vertical torque	N/m	2500
立轴最大起拔力	Max. vertical lifting force	kn	49
立轴最大加压力	Feeding capacity	kn	36

# JXY260



## Power Available 可选动力

Diesel Electric

## Chassis Available 可选底盘形式

Skid Trailer Crawler Truck

最大起重能力	Max. lifting capacity	kn	25
卷筒转速	Drum speed	r/min	34,59,94,129
钢丝绳提升速度	Wire rope lifting speed	m/s	0.38;0.66;1.05;1.44
钢丝绳规格	Specification of steel wire rope	mm	12.5
卷筒容绳量	Capacity of the drum rope	m	30
移动油缸行程	Hydraulic cylinder stroke	mm	465
额定转速	Rated speed	mm	330
油泵规格	Oil pump model		CB32-T
转速	Speed	r/min	500-2000
排量	Displacement	L/min	32
柴油机	Diesel engine		常柴25L
功率	Power	kw	17
转速	Speed	r/min	2200
可选底盘形式	Optional chassis Type		Skid,trailer,crawler,truck

## Characteristics 产品特点

JXY360 drilling rig is a mechanical transmission hydraulic feed vertical rotary engineering drilling rig, which can be used for engineering geological exploration, solid deposit survey and exploration, dam grouting, and tunnel ventilation and drainage construction. According to different drilling formations, hard alloy, steel sand, spiral and other types of drill bits can be selected for drilling.

- >> Selected a more reasonable speed range, with eight speed stages, centralized transmission, mutual self-locking, high low-speed torque, and a wide range of applications
- >> The drilling rig has two reverse speeds for safe handling of faults.
- >> Adopting a manual ball card chuck (optional automatic centering hydraulic chuck), it is convenient to clamp and release the drill rod. And it has a hydraulic feeding mechanism with strong pressurization and lifting capabilities.
- >> Equipped with sufficient instruments, it is beneficial to grasp the situation inside the hole. There are fewer control handles, the layout is reasonable, and the operation is flexible and reliable.
- >> Adopting a dual disc normally closed friction clutch, it is flexible in opening and closing, easy to adjust and use.
- >> The drilling rig is lightweight, compact in structure, and easy to disassemble, making it suitable for drilling work in hilly or mountainous areas.

## Specification 技术参数

技术参数	Specification	Unit	JXY360
钻进深度	Drilling depth	m	0-360
钻孔直径	Hole Diameter		75-350
钻杆直径	Pipe diameter	mm	Φ60,Φ50,Φ42
钻孔斜角	Drilling angle	°	0°-360°
钻机重量除动力	Weight(Exclude power)	kg	1020
主动钻杆	Rotary drill rod	mm	53*59*4300
动力机转速	Power machine speed	r/min	1460/1800
正转低速	Forward rotation at low speed	r/min	56; 97; 153; 211/69; 119; 188; 259
正转高速	Forward to High Speed	r/min	264;458;722;966/323;560;884; 1220
反转	Reversal rotation	r/min	44; 206/54; 253
立轴行程	Spline Stroke	mm	500
立轴最大扭矩	Max. vertical torque	N/m	2500
立轴最大起拔力	Max. vertical lifting force	kn	60
立轴最大加压力	Feeding capacity	kn	36

# JXY360



## Power Available 可选动力

Diesel Electric

## Chassis Available 可选底盘形式

Skid Trailer Crawler Truck

最大起重能力	Max. lifting capacity	kn	25
卷筒转速	Drum speed	r/min	37; 65; 103; 141
钢丝绳提升速度	Wire rope lifting speed	m/s	0.41;0.73;1.15;1.58
钢丝绳规格	Specification of steel wire rope	mm	16
卷筒容绳量	Capacity of the drum rope	m	50
移动油缸行程	Hydraulic cylinder stroke	mm	465
额定转速	Rated speed	mm	330
油泵规格	Oil pump model		CB32-T
转速	Speed	r/min	500-2000
排量	Displacement	L/min	32
柴油机	Diesel engine		L32M-R08
功率	Power	kw	23
转速	Speed	r/min	2200
可选底盘形式	Optional chassis Type		Skid,trailer,crawler,truck

## Characteristics 产品特点

The JXY500 drilling rig is a medium shallow hole core drilling rig. It is not only suitable for drilling large and small diameter rock cores mainly using alloys and diamonds, but also for engineering geological exploration, hydrology, water wells, as well as large-diameter engineering construction drilling and anchor hole construction.

- >> The drilling rig has multiple speed levels (8 gears) and a reasonable speed range.
- >> The drilling rig has two reverse speeds, making it easy to handle accidents.
- >> The structure of the drilling rig is advanced, the layout is reasonable, and it is easy to maintain, upkeep, and repair.
- >> The drilling rig has a small volume, light weight, and good disassembly. Its total weight without power machine is only 950kg. It can be disassembled into eight components for handling, with a maximum component weight of 140kg. Convenient relocation and transportation.
- >> The vertical axis of the drilling rig has a feed stroke of up to 600mm, which is beneficial for improving drilling efficiency and reducing the occurrence of accidents such as drilling blockage and burning.
- >> Smooth vehicle movement, simple and reliable fixation, and good stability during high-speed drilling.
- >> The drilling rig adopts dual oil pumps for oil supply, with low power consumption and low hydraulic system oil temperature.
- >> The drilling pressure gauge is combined with the hydraulic system pressure gauge and adopts an oil filled shock-absorbing structure for drilling pressure.
- >> In addition to the normally closed hydraulic upper chuck, the drilling rig is also equipped with a mechanical manual lower chuck.

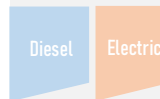
## Specification 技术参数

技术参数	Specification	Unit	JXY500
钻进深度	Drilling depth	m	0-500
钻孔直径	Hole Diameter	mm	75-350
钻杆直径	Pipe diameter	mm	Φ60,Φ50,Φ42
钻孔斜角	Drilling angle	°	90°-75°
钻机外型尺寸	Dimension	mm	2200*900*1800
钻机重量除动力	Weight(Exclude power)	kg	1200
主动钻杆	Rotary drill rod	mm	53*59
动力机转速	Power machine speed	r/min	1800
正低转速	Forward rotation at low speed	r/min	1172;894;538;310;248;180;114;65
反转	Reversal rotation	r/min	242;51
立轴行程	Spline Stroke	mm	560
立轴最大起拔力	Max. vertical lifting force	kn	60
立轴最大加压力	Feeding capacity	kn	45

# JXY500



## Power Available 可选动力



## Chassis Available 可选底盘形式



卷筒直径	Drum diameter	m	200
卷筒长度	Roll length	mm	160
钢丝绳提升速度	Wire rope lifting speed	m/s	0.618;1.073;1.694;2.337
钢丝绳规格	Specification of steel wire rope	12.5	
卷筒容绳量	Capacity of the drum rope	m	50
移动油缸行程	Hydraulic cylinder stroke	mm	400
额定转速	Rated speed	mm	243
油泵规格	Oil pump model		SCB32/12
转速	speed	r/min	1800
排量	displacement	L/min	32
柴油机	Diesel engine		Z4100K
功率	power	kw	30
转速	Speed	r/min	1500

## Characteristics 产品特点

The JXY-600 core drilling rig is mainly suitable for diamond and hard alloy exploration drilling in solid mineral deposits, and can also be used for engineering geology and groundwater exploration; And drilling holes for ventilation, drainage, etc. in mining tunnels. Its structure is simple and compact, with a reasonable layout, light weight, easy disassembly, and a reasonable speed range.

- >> The drilling rig has multiple speed levels (8 levels) and a reasonable speed range, with high low-speed torque. Therefore, the drilling rig has strong process adaptability and a wide range of applications. It is suitable for drilling small-diameter diamond cores, as well as meeting the requirements of large-diameter hard alloy core drilling and some engineering drilling.
- >> The drilling rig is lightweight and has good disassembly. It can be disassembled into nine components, making it easy to relocate and suitable for operations in mountainous areas.
- >> The structure is simple, the layout is reasonable, and it is easy to maintain, upkeep, and repair.
- >> The drilling rig has two reverse rotation speeds, which facilitates accident handling.
- >> The drilling rig has a low center of gravity, is firmly fixed, moves smoothly, and has good stability during high-speed drilling.
- >> The instruments are complete and convenient for observing various drilling parameters.
- >> The operation handle is centralized, easy to operate, simple and flexible.
- >> The mud pump is independently driven, with flexible power configuration and airport layout.
- >> According to user needs, circular slips can be configured to directly clamp rope drill rods for drilling, eliminating the need for active drill rods.

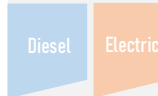
## Specification 技术参数

技术参数	Specification	Unit	JXY600
钻孔深度	Drilling depth	m	100,250,300,600
对应终孔直径	Final hole diameter	mm	300,200,150,75
最大开孔直径	Opening diameter	mm	300
终孔直径	Final hole diameter	mm	75
钻杆直径	Drill pipe diameter	mm	60
钻进倾角	Drilling inclination angle	°	90~65
主机尺寸	Host size	mm	2500* 900*1800
整机外形尺寸	Overall dimensions	Kgs	1600
立轴转速-低速	Spline speed - low speed	r/min	30,53,88,145,222
立轴转速-高速	Spline speed - high speed	r/min	143,250,414,684,1050
立轴转速-反转	Spline speed - reverse rotation	r/min	29, 137
立轴行程	Spline travel	mm	600
立轴通孔直径	Spline through-hole diameter	mm	96

# JXY600



## Power Available 可选动力



## Chassis Available 可选底盘形式



立轴最大提拉力	Max. Spline lifting force	kgs	6000
单绳最大起重量	Max. Rope lifting capacity	Ton	4.5
单绳提升速度	Rope lifting speed	m/s	0.5-1.9
钢丝绳直径	Wire rope dia.	mm	12.5
钢丝绳容量	Wire rope capacity	m	50
抱闸直径	Brake diameter	mm	300
闸带宽度	Barrier width	mm	90
油泵类型	Oil pump type		CBF-F63/25
油泵压力	Oil pump pressure	Mpa	20
油泵流量	Oil pump flow rate	L/min	25-63
柴油机	Diesel engine	Kw	42
额定转速	Rated speed	r/min	2400
可选底盘形式	Optional chassis Type		Skid,trailer,crawler,truck

## Characteristics 产品特点

The JXY-44A core drilling rig is mainly suitable for diamond and hard alloy exploration drilling in solid mineral deposits, and can also be used for engineering geology and groundwater exploration; And drilling holes for ventilation, drainage, etc. in mining tunnels. Its structure is simple and compact, with a reasonable layout, light weight, easy disassembly, and a reasonable speed range.

- >> The drilling rig has multiple speed levels (8 levels) and a reasonable speed range, with high low-speed torque. Therefore, the drilling rig has strong process adaptability and a wide range of applications. It is suitable for drilling small-diameter diamond cores, as well as meeting the requirements of large-diameter hard alloy core drilling and some engineering drilling.
- >> The drilling rig is lightweight and has good disassembly. It can be disassembled into nine components, making it easy to relocate and suitable for operations in mountainous areas.
- >> The structure is simple, the layout is reasonable, and it is easy to maintain, upkeep, and repair.
- >> The drilling rig has two reverse rotation speeds, which facilitates accident handling.
- >> The drilling rig has a low center of gravity, is firmly fixed, moves smoothly, and has good stability during high-speed drilling.
- >> The instruments are complete and convenient for observing various drilling parameters.
- >> The operation handle is centralized, easy to operate, simple and flexible.
- >> The mud pump is independently driven, with flexible power configuration and airport layout.
- >> According to user needs, circular slips can be configured to directly clamp rope drill rods for drilling, eliminating the need for active drill rods.

## Specification 技术参数

技术参数	Specification	Unit	JXY-44A
钻孔深度42mm钻杆	Drilling depth-42mm drill rod	m	1400
钻孔深度50mm钻杆	Drilling depth-50mm drill rod	m	1000
钻孔深度60mm钻杆	Drilling depth-60mm drill rod	m	830
钻孔深度BQ钻杆	Drilling depth-BQ drill rod	m	1300
钻孔深度NQ钻杆	Drilling depth-NQ drill rod	m	1000
钻孔深度HQ钻杆	Drilling depth-HQ drill rod	m	750
钻孔深度PQ钻杆	Drilling depth-PQ drill rod	m	420
钻孔角度	Drilling angle	°	0 ~ 360
立轴通孔直径	Spline through-hole diameter	mm	93
立轴转速-正转	Spline speed - forward rotation	r/min	60,90,166,272,379,481,183,296,514,835,1164,1476
立轴转速-反转	Spline speed - reverse rotation	r/min	63/198
立轴最大扭矩	Max.Spline torque	N·m	8000
立轴行程	Spline stroke	mm	600
立轴最大起重力	Max.spline lifting capacity	KN	125

# JXY-44A



## Power Available 可选动力

Diesel Electric

## Chassis Available 可选底盘形式

Skid Trailer Crawler Truck

立轴最大加压力	Spline feeding capacity	KN	90
钢丝绳直径	Wire rope diameter	mm	φ18.5
卷筒钢丝绳容量	Drum steel wire rope capacity	m	95
单绳最大提升力	Rope max. lifting force	KN	45
卷筒线速度(m/s)	Roll line speed	m/s	0.7-2.68
液压系统额定压力	Rated pressure of hydraulic system	Mpa	20
液压系统排量	Hydraulic system displacement	ml/r	20
钻机后退行程	Reverse travel of drilling rig	mm	460
让开孔口距离	Distance to hole	mm	260
外形尺寸 (长×宽×高)	Dimensions (L*W*H)	mm	3050*1100*1920
重量 (不含动力)	Weight (excluding power)	kgs	2300
柴油机	Diesel engine		CA4110
功率	Power	kw	81
转速	Speed	r/min	2800

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