

Mobile Drilling Rig and Workover Rig





ZJ30/1700CZ Mobile Rig

NO.	ITEM AND SPECIFICATIONS	UOM	QTY.
I	Parts Main unit		
1	mastJJ18038	set	1
	Open front, with guyline, pack with two sections Max. load: 1800KN Effective height: 38m Capacity of wing:100km/h Including upper section, lower section,monkey board,guyline Hoisting and telescoping hydraulic cylinder		
2	Crown block TC180	set	1
	fast line sheave:1- ϕ 915mm dead line sheave:1- ϕ 760mm dead pulleys:4- ϕ 760mm sand line pulley:1- ϕ 500mm		
3	Travelling Block YG180	set	1
	Max. load:1800KN Wierope diameter: ϕ 32mm pulley diameter:5- ϕ 760mm		
4	wirerope ϕ 32	set	1
	dextro rotation, Core structure:6 $\times$ 19S+IWRC grade:EIPS length:600m		
5	Swivel SL225	set	1
	Max. dead load:2250KN Max. working pressure:35MPa Max. rotating speed:300r/min		
6	hydraulic cathead Y15160	set	2
	Max. pulling force:150KN Effective travel:1600mm System pressure:14 Mpa		
7	Drawworks JC28/11	set	1
	JC28/11 Input rotating speed:450r/min Fastline pulling force:280KN Dimension of the main roller: ϕ 560 $\times$ 1045mm braking:hydraulic disc brake + auxiliary brake Dimension of brake rim: ϕ 1168 $\times$ 267mm Crown block saver:overwind valve type Main drum clutch: TPQ330H Line pulling force of the sand roller:110KN Dimension of the sand roller: ϕ 314 $\times$ 912mm Wireline of the sand roller: ϕ 14.5mm Brake rim of the sand reel: ϕ 970 $\times$ 210mm Clutch of the sand reel:ATD124-H internal recycle brake rim cooling Including main drum, sand reel, pusher clutch,Chain, safeguard, water tank, water circulating pump line and brake system		
8	auxiliary brake EATON WCB324	set	1
	Max. sliding rotary speed:715r/min Max. free wheel rotary speed:1190r/min Brake torque:33900N $\cdot$ m (Pressure:0.55MPa) Heating power:604kW Discharge capacity of cooling water:307L/min		

ZJ30/1700CZ Mobile Rig

NO.	ITEM AND SPECIFICATIONS	UOM	QTY.
9	hydraulic disc brake PZ40	set	1
	Working tong: Max. positive pressure on one side:45kN Effective stroke:30mm Safety tong: Max. positive pressure on one side:50kN Max. working clearance of brake pad:1mm		
10	Compounding gear box BZX180B	set	1
	Max. input rotate speed:2100r/min Max. output torque: Driving shaft of draw works:18KN.m Driving shaft of rotary shaft:5.5KN.m Driving shaft of base:9KN.m		
11	angle gear box JX240	set	1
	Max output torque: 24kN·m Transmission ratio: $i=35/26=1.346$ Max input rotate speed:2100r/min		
12	rotary drive box ZJ30CZ-04	set	1
	Max. output torque:14KN..m Transmission ratio: $i=1.36: 1$ Positive reverse gear, with reaction torque releasing device Model of clutch:ATD318 Axial thrust disc		
13	rotary table ZP275	set	1
	Diameter:698.5mm(27 1/2") Max.net load:4500KN Max.working torque:27.5KN.m Max.rotary speed:300r/min		
14	drill floor ZZT180	set	1
	Structure:parallelogram Acreage:7.2×6m Max. load: 1800kN Working height: 6m Height of handrail :1200mm Racking capacity of tribble : (φ114mmDP, 19m tribble) 3000m (φ127mmDP, 19m tribble) 2500m Headroom :4.8m		
15	Accessories of Drill floor	set	1
	Including DP slideway,Catwalk way,Escaping slideway,Ladder and handrail,Rig base,etc.		
16	pneumatic system	set	1
	Max.working pressure:0.8MPa All kinds of valves and pipelines are included.(Main parts are imported)		
17	hydraulic system	set	1
	System pressure:14MPa All kinds of valves and pipelines,oil tank are included.		
18	hydraulic winch (YJ3C)	set	1
	Rated pressure:14MPa Max. lifting power:30kN		
19	hydraulic winch (YJ5B)	set	2
	Rated pressure:14MPa Max. lifting power:50kN		

ZJ30/1700CZ Mobile Rig

NO.	ITEM AND SPECIFICATIONS	UOM	QTY.
20	Driller's house and frame	set	1
II	carrier XD70/14X8		
1	engine CAT C15	set	2
	Net power:540Hp,Rotary speed:2100rpm dehydration,lower oil pressure,high water temperature and protection.		
2	transmission ALLISON S5610	set	2
	Max. net input power :410kW (550hp) Max. input rotary speed :2500r/min Max. net input torque:2732N·m (2015 lbfft) Transmiaaion ratio of gears : 0.67:1 1:1 1.35:1 2.01:1 2.68:1 4:1 5.12:1(reverse)		
3	truck frame CJ-01	set	1
	II -shape beam welded by 16Mn steel plate		
4	Axle & Suspending system CQ	set	7
	Wholly forging and high intensity axle		
5	tire 18-22.5 12-20	set	24
	Front single tire, rear double tire.		
6	Drilling cab	set	1
	Single cab, oil drop prevented brim, door glass able to move up and down, seats able to be adjusted back and forth, up and down, equipped with air condition, sun visor, safety belt, fire extinguisher.		
7	hydraulic jack Y3030	set	4
	Working length : 300mm System pressure :14MPa		
8	Steering system	set	1
	steering through the front three axles, hydraulic driving		
9	Electric system	set	1
	Electrical equipment: AC generator,DC motor,Accumulator,Lighting(head light, front small light, fog light, rear light, side light, cab top light, instrument light, variant indicate light, warning light),Electric horn,Inserted fuse box,etc.		
10	brake system	set	1
	Main brake system: single-circuit foot-control pneumatic brake, impact on all five axles, working pressure 0.8MPa. Stopping brake: impact the fourth and fifth axles, sixth and seventh. Auxiliary brake: hydraulic speed reducer operated by foot		
III	Wellhead equipment and instruments		
1	Weight indicator JZ250	set	1
2	drilling parameter analyzer	set	1
3	hydraulic drill pipe tong ZQ-100	set	1
4	hydraulic casing pipe tong TQ340-35	set	1
5	elevator links DH250	set	1
6	elevatorDD4-1/2	set	1
	250T		
7	elevator DD5	set	1
	250T		
8	B-type tongs	set	1
9	roller kelly bushing	set	1
10	pneumatic slip QQP60-127	set	1
11	Safety slip	set	1
IV	mud pump unit		

ZJ30/1700CZ Mobile Rig

NO.	ITEM AND SPECIFICATIONS	UOM	QTY.
1	mud pump 1000 HP rated input power:1000HP rated stroke:140stroke/min stroke:254mm max work pressure:35MPa	set	2
2	Diesel engine G12V190PZL-3 power:1000 kW	set	2
3	hydraulic torque convertor positive decelerating box	set	2
4	transmission device	set	2
5	Control system	set	2
6	Sled holer and tool box	set	2
7	Compounding pump manifold	set	1
8	pump room shade shed	set	2
9	other accessories	set	2
V	well control system		
1	double ram BOP 2FZ35-35	set	1
2	spool FS35-35	set	1
3	FH35-35 annular BOP	set	1
4	BOP control device	set	1
	remote console FKQ6406	set	
5	choke manifold JG 35	set	1
6	kill manifold YG 35	set	1
7	high pressure flameproof control pipe	set	1
8	BOP driller's control panel	set	1
9	Pneumatic pressure test station	set	1
10	a set of 3 1/2 in and 5 ram for ram BOP; a set of rubber core for the annular BOP; a set of seals	set	1
VI	Solid control system		
1	drill fluid tank total capacity200m3 total useful capacity 120m3	set	4
2	medicament Tank 2m3	set	1
3	high density weighting hopper	set	1
4	weight pump	set	2
5	shaker	set	1
6	feeding pump	set	2
7	shearing Pump	set	1
8	combination shaker	set	1
9	mixer 11kw	set	12
10	mixer 5.5kw	set	1
11	sand pump	set	2
12	charging pump	set	2
13	mud gun	set	12
14	vacuum degasser	set	1
15	rat hole	set	1
16	mouse hole	set	1
17	mud centrifuge	set	1
18	mud test room	set	1
19	other accessories	set	1
20	awning on the tank	set	1
VII	generator unit		
1	generator room, cable	set	1

ZJ30/1700CZ Mobile Rig

NO.	ITEM AND SPECIFICATIONS	UOM	QTY.
	locate generator unit,air system,MCC, parallel operation cabinet (380V/220V/50HZ)	set	
2	diesel generator unit	set	1
VIII	Air source and clean device	set	
1	air compressor 12-50HH	set	1
2	2*1.5m3 air tank	set	1
3	drier	set	1
IX	Auxiliary equipment		
1	pipe racking	set	6
2	hydraulic cathead	set	2
3	mast mud standpipe	set	1
4	derrick pose	set	1
5	tongs hydraulic balance device	set	1
6	climbing helper	set	1
7	monkey board escaper	set	1
8	water tank 40m3	set	1
9	Elevated diesel tank 35m3+5m3	set	1

XJ350 WORKOVER RIG



A Parts Main unit			
1	mastJJ9029	set	1
	Face open, hydraulic raising and telescoping,with guyline. Height: 31.4m/104' Max. net load: 900KN Allowable wind speed: 60 Knot Conform to API Spec 4F		
2	Crown block TC90	set	1
	Model: TC90 Max. load: 900KN Sheave quantity : 3 Conform to API Spec 4F		
3	Travelling Block YG90	set	1
	*Hook Block: Model: YG90 Max. load: 900KN Sheave quantity : 3 Conform to API Spec 8A		
4	wirerope $\phi 26$	set	1
	length:320m		
5	Drawworks JC18/11	set	1
	Model: JC18 Drum diameter: 15.9" ϕ (406mm) Drum length: 35" (890mm) Effectual clutch area: 17.2ft ² 1.6m ² Brake rim length $\times$ width: $\phi 1070\text{mm} \times 264\text{mm}$ ($\phi 42.1" \times 10.4"$) Max. Fast line pull: 39680lb (180kN) Max. Rotating speed: 290r/min Wire line diameter: 1" ϕ (26mm) Main wire line length: 885ft (270m) There is no brake crank lockup on the main drum, manually operation is needed. Brake belt diameter $\times$ width: $\phi 42.1" \times 10"$ ($\phi 1070\text{mm} \times 254\text{mm}$) Brake wrap angle: 340° Brake crank strength: 55lb (250N) Bailing specifications:Type: JC11 Brake rim length $\times$ width: $\phi 38" \times 10.4"$ ($\phi 965\text{mm} \times 264\text{mm}$) Max. Fast line pull: 24750lbf (110kN) Bailing wire line diameter: 9/16" Drum capacity: 9842ft (3000m) (9/16"wireline) Brake belt length $\times$ width: $\phi 38" \times 10"$ ($\phi 965\text{mm} \times 254\text{mm}$) Brake wrap angle: 340° Brake crank strength: 55lb (250N)		
6	Hydromatic break system	set	1
	Hydromatic Model: SSC502 brake Max. brake torque: 1691KW (2300HP) Max. Speed: 2100rpm Max. water temperature: 82oC		
7	Drop Box FD100	set	1
	Max. input rotate speed:2100r/min		
8	angle gear box JX90	set	1
	Max output torque: 9kN·m Transmission ratio:I=35/26=1.346 Max input rotate speed:2500r/min		
9	drill floor ZZT90	set	1
	Model: ZZT90 Max. Static load: 198410lb (900kN) Net height: 31.7m (104ft) Crown block: TC90 (3 $\times$ 4)		

A Parts Main unit			
	Racking platform capacity: 13123ft (4000m) (27/8"EUE tubing) Racking platform height: 16.76m, 20.46m(55×67.1ft) Finger form: Portrait Sucker rod basket height: 78×90ft (23.77m, 27.45) Wind resistance: 98ft/s (full stand、no hook load)		
10	Accessories of Drill floor	set	1
	Including DP slideway,Catwalk way,Escaping slideway,Ladder and handrail,Rig base,etc.		
11	pneumatic system	set	1
	Max.working pressure:0.8MPa All kinds of valves and pipelines are included.(Main parts are imported)		
12	hydraulic system	set	1
	System pressure:14MPa All kinds of valves and pipelines,oil tank are included.		
13	Travelling Block Complete with Hook YG150		1
	Number of Sheaves and Diameter : 4 x 24" Groove Size : 1" Rated Capacity : 150 Ton		
14	Drilling Line		1
	Size : 1" IWPS ; Length : 3,500 Ft.		
B	carrier XD40/8X6		
1	engine CAT C9	set	1
	Net power:350Hp,Rotary speed:2100rpm dehydration,lower oil pressure,high water temperature and protection.		
2	transmission Allison 4700 OFS	set	1
	Torque converter type: TC-521 Max. Torque ratio: 2.42 Max. Input torque: 2500r/min Max. Static Input torque: 2508 N·m(1851lb.ft) Transmission ratio: 7.63:1 3.51:1 1.91:1 1.43:1 1:1 0.74:1 0.64:1 -4.8:1		
3	truck frame CJ-01	set	1
	II -shape beam welded by 16Mn steel plate		
4	Axle & Suspending system CQ	set	4
	Wholly forging and high intensity axle		
5	tire 18-22.5 12-20	set	24
	Front single tire, rear double tire.		
6	cab	set	1
	Single cab, oil drop prevented brim, door glass able to move up and down, seats able to be adjusted back and forth, up and down, equipped with air condition, sun visor, safety belt, fire extinguisher.		
7	hydraulic jack Y3030	set	4
	Working length : 300mm System pressure :14MPa		
8	Steering system	set	1
	steering through the front three axles, hydraulic driving		
9	Electric system	set	1
	Electrical equipment: AC generator,DC motor,Accumulator,Lighting(head light, front small light, fog light, rear light, side light, cab top light, instrument light, variant indicate light, warning light),Electric horn,Inserted fuse box,etc.		
10	brake system	set	1
	Main brake system: single-circuit foot-control pneumatic brake, impact on all five axles, working pressure 0.8MPa.		

A Parts Main unit

Stopping brake: impact the fourth and fifth axles, sixth and seventh.
Auxiliary brake: hydraulic speed reducer operated by foot

C	Rotation system		
1	rotary drive box ZPX 60	set	1
	Max. output torque:6KN..m		
2	rotary table ZP135	set	1
	Diameter:350mm(13 1/2") Max Load 900 KN Max.rotary speed:300r/min		
3	Swivel SL90	set	1
	Max. dead load:900KN Max. working pressure:21MPa Max. rotating speed:300r/min		
D	well control system		
1	double ram BOP 2FZ18-21 7-1/16" x 3000 Psi	set	1
2	spool FS18-21 7-1/16" x 3000 Psi	set	1
3	FH18-21 annular BOP 7-1/16" x 3000 Psi	set	1
4	remote console FKQ125-3	set	1
5	choke manifold JG 35	set	1
6	kill manifold YG 35	set	1
7	high pressure flameproof control pipe	set	1
E	Tools		
	Tubing Elevator DD 2.3/8"/150T EVE	sets	1
	Tubing Elevator DD 2.7/8"/150T EVE	sets	1
	Sucker Rod Elevator DD 5/8"/150T EVE	sets	1
	Sucker Rod Elevator DD 3/4 "/150T EVE	sets	1
	Sucker Rod Elevator DD 7/8 "/150T EVE	sets	1
	Sucker Rod Elevator DD 1 "/150T EVE	sets	1
	Tubing tong	sets	1
	Sucker rod tong	sets	1

Rig Parts and Components

Drilling Rig Parts and Consumables

创新，为了更好的世界



tell us to get
drilling rig parts
and spare parts
of your need

email: xiemohuahl@163.com