



## **ENERGY & TECHNOLOGY Corp.**

3639 Ambassador Caffery Pkwy. Petroleum Tower Suite 530, Lafayette LA 70503

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Ph: 337-984 2000 Fax: 337-988 1777

Email: [ENGT@ENGT.com](mailto:ENGT@ENGT.com) Website: [www.ENGT.com](http://www.ENGT.com)

### Main Parts and Quotation for XJ550 Workover Rig

Item	Descriptions	Model	Technical Specification	Qty /Unit	Remark
	Workover Rig	XJ550			
<b>I</b>	<b>Main part</b>		<p>The main unit is self-propelled structure, including: self-propelled carrier, power system, double engines, transmission system consists of two hydraulic torque converters, angle gear, transfer case, double drum drawworks, three sets of clutches, rotary table, auxiliary brake, chain driving device, mast and crown block assembly, double telescoping cylinders, hydraulic cat, double raising cylinders, double hydraulic winches, hydraulic system, pneumatic system, operation system, crown saver device, electrical system, substructure and Mud boat etc.</p> <p>Max. hook load: 1350kN            Traveling system: 5x4            Hook up speed: 0.2-1.3m/s            wireline diameter: Φ26mm            mast height:33m            substructure height: 3.7m            move way: self-propelled            max. road speed: 45km/h            overall dimension: 19000x2910x3100mm</p>	1 set	
1	Carrier		<p>Drive way 10 x 8            Max. road speed 45km/h            Slope gradient 30%            Approach angle/departure angle: 33°/18°            Max. ground clearance 311mm            Turning radius 16.5m            Max. width 3m</p> <p>Including: cab, axles, suspension, frame, sub frame, four hydraulic jacks and steering mechanism, steering hydraulic system, double fuel tanks, air bag, transmission system, tool kit, mud fender and safety guardrail, electrical system and lighting system, back alarm device</p>	1 set	
1.1	Frame	CJ-01B	<p>Including crossbeam assembly, front boarding, mud-guard, raising cylinder bracket and beam of hydraulic jack</p>		



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Item	Descriptions	Model	Technical Specification	Qty /Unit	Remark
1.2	Suspension system		First axle to seventh axle suspension device	1 Set	
1.3	Axle	CQ	The axle is 13-ton axle, with four driving axle, one suspending axle with brake cylinders of single/double air chamber	1 Set	
1.4	Wheel	18-22.5 12-20	The front two axles are singlewheel, the rear three axles are double-wheel	1 Set	With two spare wheels
1.5	Steering mechanism		Including steering pump, steering cylinder, steering rod and steering lines, steering auxiliary pump and pipelines etc.	1 Set	Part of this imported
1.6	Steering Hydraulic System		Including: double steering pumps, check valve, overflow valve, oil pipeline, joint, sucking filter and back filter assembly etc.	1 Set	
1.7	Suspension			1 Set	
1.8	Cab		Single driver, single door	1pcs	
1.9	Hydraulic Jack	Y3030		4pcs	
1.10	Shaft	CDZ		1 Set	
1.11	Oil Tank and Air Bag		Double fuel tanks and air bags, max pressure of the air bag is 1.2Mpa	1 Set	
1.12	DC Electrical System		Including: starter circuit, instrument circuit, lighting circuit, steering and controlling circuit, rain wiper circuit, fog light, instrument light etc.	1 Set	
1.13	Lighting system		Including: front lights assembly, fog light, steering light, back small light, instrument light etc.	1 Set	
2	Engine	C15	Power:540HP Rotating speed:2100r/min	1unit	Imported
3	Transmission	S5610H R	Six forward and one reverse Power: 470HP	1unit	Imported
4	PTO assembly	PTO		1set	
5	Drawworks	JC21B/1 1	Rated input power: 450kw Rated input rotating speed: 450r/min Max. fast line pull force: 210kn Drum diameter x width: 450 x 912 mm(spoiled)	1set	



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Item	Descriptions	Model	Technical Specification	Qty /Unit	Remark
			Brake type: band+auxiliary brake Crown saver: crown- o- matic Inner circulation cooling brake Including: crown saver, crown-o-matic, electric saver, digital display, including drawworks fame assembly, main drum assembly, push disc clutch assembly, chain, line stabilizer, sand drum assembly, guard, auxiliary brake water tank, inner circulating water pump, pipeline, main drum brake balance device, chain sheel etc. inner circulating cooling brake		
6	Angle Gear Box	JCX110B	Max Torque:11kM.m	1unit	
7	Transfer Case	FDX140C	Max, torque: 14kN.m Max. input rotating speed: 2100r/min	1unit	
8	Auxiliary Brake	WPT224	Max speed: 1500RPM Braking force: 402.7KW Forced water cooling, with cooling water tank and motor pump etc.	1 set	
9	Mast	JJ135/33	Including: mast upper and lower section, racking platform, raising mechanism load mechanism guiding device, wind and load guy line, ladders and escaping device, anti-falling device, standpipe centralizing device Type tow section, front open, tilting, 3.5° tilting angle, conform to API Spec 4F Max. hook load: 1350 kN Height : 33m Raking platform height: 17.5, 21, 22m Wind-proof capacity: (no load, no setback) 110km/h Setback capacity: 2000m (4 <sup>1/2</sup> "DP)	1set	
10	Mast Raising Mechanism		Double raising cylinders and telescoping cylinders	4 set	
11	Single Standpipes		3" 35 Mpa with union	1 set	
12	Substructure	DZ160	Max. load: 1580KN Height: 3.7m	1 set	



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Item	Descriptions	Model	Technical Specification	Qty /Unit	Remark
			Floor size: 5 x 6 m Working area under rotary table beam: 2.7 m Six vertical shafts, telescoping type. Rotary table seat and setback seat separated		
13	Rotary table	ZP175	Conform to API Spec 7K Open hole diameter: 17 <sup>1/2</sup> " Max. load: 2250 Kn Max. rotating speed: 300r/min	1 set	
14	Rotary Table Drive Box	XDP60-00	Max. torque: 6KN.M	1 set	
15	Pneumatic System		Max. pressure: 0.85 MPa Including: all types of valves and pipelines	1 set	Imported
16	Hydraulic System		Max. pressure: 14MPa Including: pipelines and joints	1 set	Imported
17	Operation System		Including: cab operation device, engine operation device, driller console operation device, hydraulic system operation device	1 set	
18	Hydraulic Winch	YJ5, YJ3	Rated hoisting weight: 50kN/30kN Rated wireline capacity: 100m/80m Wireline diameter: Φ15mm, Φ13mm	1 set	
19	AC Electrical System		Electrical components, mast lamps and sockets and switches are all ex-proof, main rig substructure and lamp bracket and seat	1 set	
20	Traveling System		Wireline diameter: Φ26mm Max. hook load: 1350kN Traveling system: 5 x 4	1 set	
20.1	Crown block	TC135B	OD and No. of crown block pulleys: Φ760 x 5	1 set	
20.2	Block	YG135B	OD and No. of traveling block pulleys: Φ760 x 4 Max. hook load: 1350 KN	1 set	
21	Wireline	Φ26	380m length, comply to API Spec 9A	1pcs	
22	Swivel	SL135	Swivel max. static load: 1350kN	1 set	
23	Hose	3"	17m length Working pressure : 35Mpa	1pcs	
24	Hydraulic Cathead	Y15160	Connecting force of cat head: 50kN Disconnecting force of cat head: 100kN Stroke: 1600mm	2 set	
25	Weight Indicator	JZ150		1 set	
26	DP Slid Track			1 set	



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Item	Descriptions	Model	Technical Specification	Qty /Unit	Remark
27	Driller Console			1 set	
28	Mud Boat			1 set	
<b>II</b>	<b>Painting</b>			1 set	
<b>III</b>	<b>Assembling and Test</b>		Perform max. load test	1 set	
<b>IV</b>	<b>Documentation</b>		Chinese & English	1 set	
<b>V</b>	<b>Tools Along With The Rig</b>			1 set	
<b>VI</b>	<b>Quick Wear Parts Coming With Rig</b>			1 set	
<b>Subtotal:</b>					<b>\$ 895,730.00</b>

<b>VII</b>	<b>Auxiliary Equipment</b>				
1	Independent Triplex Pump Unit	F-500	Type: Triplex Single acting Piston Pump Rated Power: 800HP (597KW) Rated Speed: 130 SPM Gear Ratio: 3.483 Stoke Length: 273 mm Suction Inlet: Φ254 mm Discharge outlet: Φ102mm	2	
<b>Subtotal:</b>					<b>\$ 176,902.00</b>
2	Independent CAT Engine	CAT C15	Power: 540HP Rotating speed: 2100r/min	2	
<b>Subtotal:</b>					<b>\$ 219,318.00</b>
3	Double Ram BOP	2FZ18-35	Work Pressure 5MPa (5000PSI) Nominal OD 11" Top Connection 11"-5000PSI 6B R45 Flanged Bottom Connection 11"-5000PSI 6B R45 Flanged Top End Full Sealed Ram Bottom End 5" Ram	1	



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4	BOP Control System	FKDQ640-6	BOP control system includes remote control panel, driller's control panel and Cable. Remote control system is equipped with both electric and air power resources. Oil tank of the system is equipped with electric heating device NPTQ" hydraulic connection	1	
5	Choke Manifold			1	
6	HP Lines		Work Pressure 35 MPa(5000PST) Hole Dia. 1"	1	
<b>Subtotal:</b>				<b>\$ 53,020.00</b>	
7	Hexagonal Kelly		3 1/2"	1	
8	Kelly Bushing			1	
<b>Subtotal:</b>				<b>\$ 18,150.00</b>	
9	Mud tank system		3 active tanks, 81m <sup>3</sup> each, 2 water tanks, 40 m <sup>3</sup> each, and 1 diesel tank, 20m <sup>3</sup>	1	
10	Agitator		NJ 7.5 7.5 KW motor, impeller: 650mm, rotating @72 RPM NJ 5.5 5.5 KW motor, impeller: 600 mm, rotating @ 72 RPM	1	
11	Shale Shanker		Amplitude of vibration: 3 mm Excited motor: 2 x 1.75KW Screen: 250/20 mesh Type of vibrating: linear Area of screen: 4-1053 x 697mm <sup>2</sup> Max Handling Capacity: 60L/S	1	
<b>Subtotal:</b>				<b>\$ 135,300.00</b>	
VIII	In Factory Commission			1	



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IX	Inband Transportation		1	
<b>Subtotal:</b>		<b>\$ 99,000.00</b>		
<b>Total (FOB China Port):</b>		<b>\$ 1,597,420.00</b>		









