

## Pulling rig UPA-50-1U

Lifting unit UPA-50-1U is designed for drilling and lowering and lifting operations during development, overhaul and repair of oil and gas wells.

### *Main technical characteristics*

1. Mounting- and -transport base	chassis KrAZ -65101 (KrAZ -65053)
2. Carrying capacity, ton-force:	
- nominal	50
- maximum	60
3. Conventional depth of operations, m:	
- tubing Ø89 mm	3500
- drill pipe Ø89 mm	2700
4. Drive mechanisms	Chassis engine KrAZ
5. Hoist	single-drum with chain drive, double belt brake and friction coupling for starting of hosting reel with screw lift limiter of hook-block
6. Derrick	Telescopic, two-sectional
- height [from the ground level to the crown wheel], m	22
- length of stand of the lifted pipe string, m	16
7. Supporting thruster:	
- rear	hydraulic
- front	screw
8. Drill pump drive	Two-speed pneumatic clutch
9. Controlling of mechanisms operation	pneumatic, gidraulic, electrohydraulic
10. Auxiliary hoist	hydraulic drive
- lifting capacity, t	2
11. The lighting system	6 lanterns on the tower, 3 projectors
12. Hydrorotor	PT-50-01
- lifting capacity, t	50
- torque, kg / m	500
diameter tubing and drill pipe, mm	60, 76, 89
13. Hydraulic power tongs for tonguing of oil well tubing and drilling tubes	KIIP-12, hanger, split-type
torque, kg / m	
- lower geare	1200
- high gear	400
diameter tubing and drill pipe, mm	60, 76, 89, 95, 102, 114
14. Hydraulic slider	CT 50
- lifting capacity, t	50
diameter tubing and drill pipe, mm	60, 76, 89, 95, 102, 114
15. Total dimensions in run-in position, mm:	15930x3100x4200
16. Full mass, kg	29768

**To the Customer demand the followings parts can be delivered with the unit:**

- drilling pump unit БН230 on the trailer;
- operating swivel lifting capacity of 50 tons or 80 tons;
- stabbing board for a derrick man with stairs and shelter;
- drilling square 80x80x9000;
- power tongs and forks 2", 2,5", 3";
- elevator;
- mass indicator, type ГИВ 6;
- mechanical rotor P 360;
- working station with in taking bridge.

