Installation URB-40

Installation URB-40 designed for rotary drilling of structurally searching oil and gas wells, agricultural and industrial water supply wells and dewatering wells with direct flushing in soft and medium-hard rocks.

Installation designated for operation in moderate and cold (zone I2) climatic zones in compliance with State Standard 16350-80 of Russia, placement category – first, in accordance with State Standard 15150-69 of Russia.

Specifications

Characteristic	Unit	Hoisting unit URB–40
Rated load capacity	kN (ton-force)	400 (40)
Conditional well drilling depth - for drilling pipes with diameter 73 mm - for drilling pipes with diameter 89 mm	M	600 800
Drilling diameter (rated) - for final pipes with diameter 73 mm - for starting pipes with diameter 89 mm	mm	190,5 394
Mounting	Type	Trailer chassis 93626-010 (or OZTP-84702)
Lump in transport position	Kg	22800
Overall dimension in transport position	M	16,5x2,6x4,0
Drive mechanism	Deck-mounted diesel engine YaMZ-238 (243 kW)	
Winch	Single-drum geared drawworks with oil-filled transmission drive, with lifting height limiter of travelling block, band brake and pneumatic single-disk friction clutch	
Drum tructive effort	kN (ton-force)	80(8)
Hook speed in the round-trip process	M/sec	0,15...0,95
Mast	Single-sectional with open face and with remote raising arrangement system	
Mast height up to crown block	M	19
Length of lifting stand	M	12
Reeving of traveling block system		2x3
Operated and fitting hydraulic system	Pump model – axial-piston 310.3.112	
Number	Pieces	2

Characteristic	Unit	Hoisting unit URB–40
Maximum pressure in hydro clearer and auxiliary winch line	MPa(kgs/cm2)	1,18 (12)
Pipeline	Supply by compressor	
Rated pressure	MPa(kgs/cm2)	1,18 (12)
Package contents		Drill motor rotor P400 Drill pump NB-125 Drilling swivel B40 Kelly bar Generator N=30 kW Hydro clearer Auxiliary hydro winch Bit load feed mechanism (up to 100 kN) Elevators Drilling power tongs Blind box Manifold Link Pipe setback