

Assembly Hoist PM-32 Hydro Burlak 320 Hydro

The assembly hoist PM-32 hydro with a hydraulic drive of boom luffing and round trip hook assembly is designed for materials-handling mechanization at mounting of drilling and oil-field equipment, well site construction and other hoisting operations and loads shifting (using a hook) within closely located erection areas.

The base for transport, installation and load-carrying of the hoist can be a tractor T-10M, TM10.00E or other types of tractors. By desire of a customer, the tractor can be completed with double glazing, an extra cabin heater, heat preparation system equipped with a starting preheater, conditioner and other. The gearing system can be mechanical, hydromechanical or hydrostatic, as agreed with a customer.

Winches locate on the drawbar. Between the drawbar and tractor, arms are separated by quickrelease connections. The backweight load is located on the drawbar.

- Metal work production was updated: new changes were made aimed at the requirement strengthening to boom, drawbar and other hoist elements' resistance and hardness;
- Overload winches used;
- A 310.3.112 hydraulically driven pump and hydraulic tank in the standard equipment (and PM-25 hydro has an option) are used in the hydraulic system.
- More carrying capacity wheels used;
- Increased weight of counterweight load.

Specifications

Assembly hoist type	Boom, tractor trailed, hydraulic, nonrotative with tiltable boom
Hoist erection and power base	Tractor T10M
Mechanism classification group according to ISO 4301/1	M3
Load carrying capacity, t	32
Load moment, txm	80
Boom outreach, m:	
- min.	2.5
- max.	7
Hook hoisting height, m	8.5
Hook hoisting speed, m/min	5.7
Hook lowering speed, m/min	5.7
Hoist traveling speed, km/h, max.:	
- with load	3.7
- without load	5.3
Way climb grade, degr., max.	3
Winch	Double-drum planetary, with radial grooving on the drum and a holddown roll
Number of winches, pcs	2
Rope diameter, mm	19.5
Winch axial-piston hydraulic motor	310.3.112
Winches brake	Multidisk frictional with hydraulic releasing of brake
Axial-piston pump	310.3.112
Nominal pressure in hydraulic system, MPa	16
Sheave blocks rate:	
- load sheave block rate	8
- boom sheave block rate	6

Rope sheave diameter, mm

350

Safety devices:

- Load limiter	Electromechanical
- Hook hoisting height limiter	Electrically driven
- Boom min. outreach limiter	Electrically driven
- Boom stop	Mechanical

- Acceptable carrying capacity indicator (depending on the boom outreach) Visual

- Swing indicator Visual

Electrical equipment:

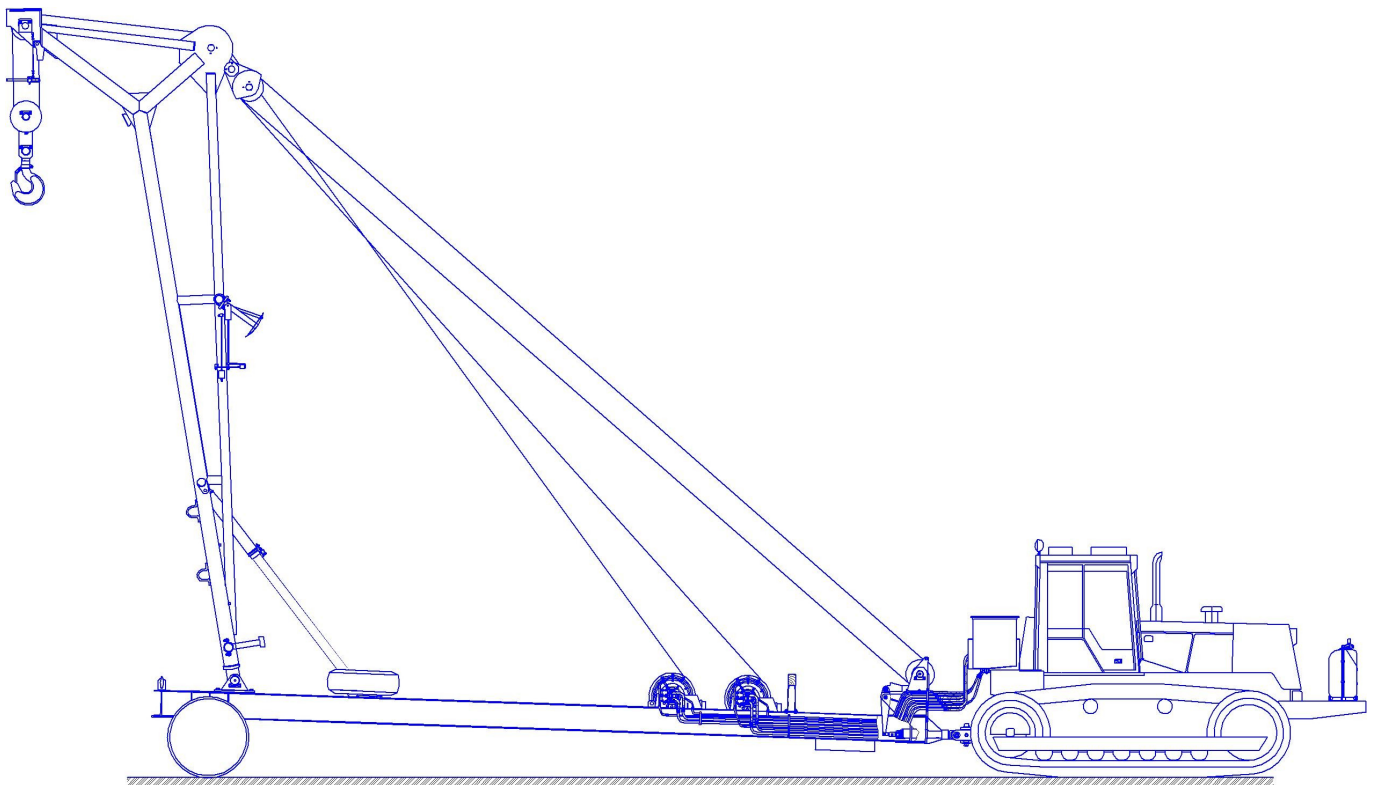
- Electric tension of the main power supply source, V 24

Overall dimensions in transit condition with folded boom

length, mm	17,000
width, mm	4660
height, mm	4520

Mass, t

34





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