

Assembly Hoist PM-6.3 Hydro Burlak 63 Hydro

Assembly hoist PM-6.3 hydro with the hydraulic drive of boom pitch and round trip hook block is designed for loading-uploading operations at mounting and dismounting of drilling and operational equipment, wells construction, and other operations and loads shifting (using a hook) within closely located erection sites.

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

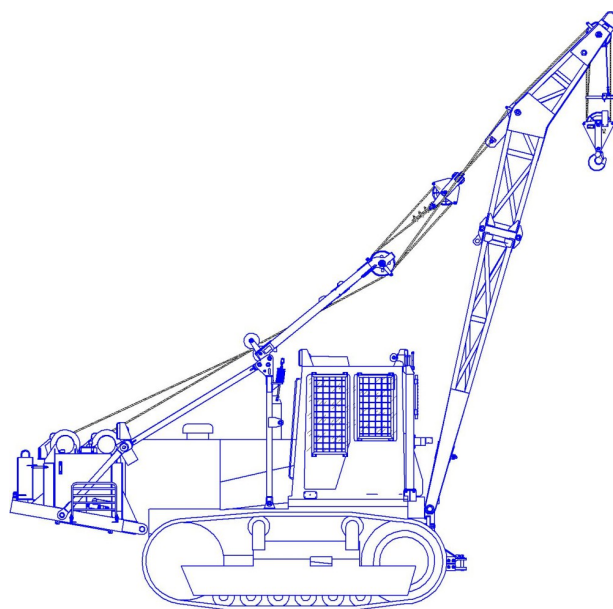
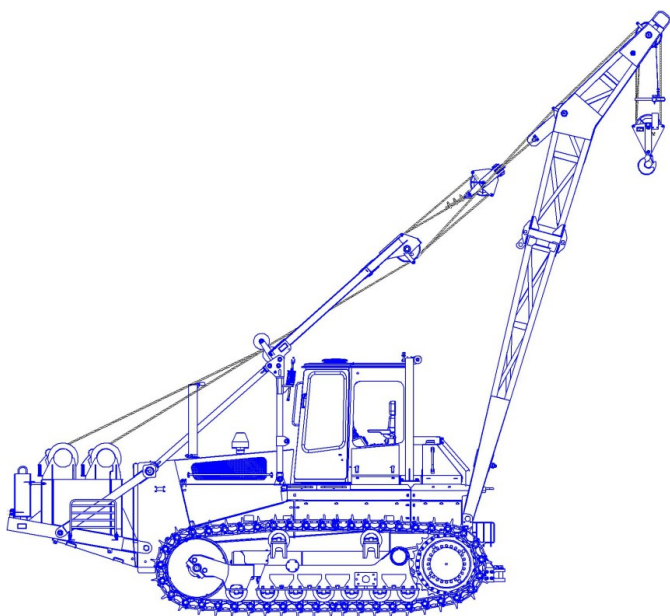
The boom in its bare bones basic consists of two sections – the lower and upper parts, the maximum boom outreach is 6 m. One can complete the hoist with a boom with an insert. The maximum boom outreach with an insert is 9 m and the carrying capacity is 5 t.

- Winches locate at the front part of the tractor hood. The winch drum has radial grooving and a hold-down to ensure uniform rope laying. The winch brake is normally closed frictional.
- The hydraulic-circuit system of rigging is powered by a separate hydraulic tank.
- The hoist is equipped with an electronic safety device OGM-240.
- Crane operations are controlled by a joystick.

Specifications

Assembly hoist type	Boom, tractor trailed, nonrotative, with tiltable boom
Hoist erection and power base	Tractor T10M, TM10.00E
Engine power, kW (h.p.)	132 (180) - engine D180, 176 (240) - engine YaMZ-238
Boom length, m	6.7
Boom outreach from the axis of tractor driving sprocket, m:	
min.	2.5
max.	6.3
Load carrying capacity, max., (kN)	6.3 (63)
Load moment, t _m	15.75
Hook hoisting height, m	6.3
Hook hoisting speed, max., m/min	16.8
Hoist speed control	Soft, continuous with proportional hydraulic control valve
Hoist traveling speed, km/h, max.	
- with load	3.5
- without load	4.9
Winch	Double-stage planetary, with radial grooving on the drum and a holddown roll
Number of winches, pcs.	2
Drum diameter, mm	320
Line-carrying capacity of the drum, m	35
Winch brake	Multidisk frictional with selfoperative hydraulic and backup manual brake release
Rope diameter, mm	14.0
Winch drive motor	310.3.56

Pump	NSh 100
Nominal pressure in hydraulic system, MPa	16
Peak rated pulling capacity on the line, kN	20
Boom sheave block rate	5
Load sheave block rate	4
	270
Diameter of traction blocks on depressions, mm	
Safety devices:	
Load limiter	OGM-240-32
Hook hoisting height limiter	Kickout device
Boom outreach limiter	Kickout device
Safety devices and lighting power supply	On-board power network of tractor, U=24 V
Overall dimensions in transit condition with folded boom	
length, mm	9000
height, mm	3300
width, mm	2500
Mass (max.), t	21





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