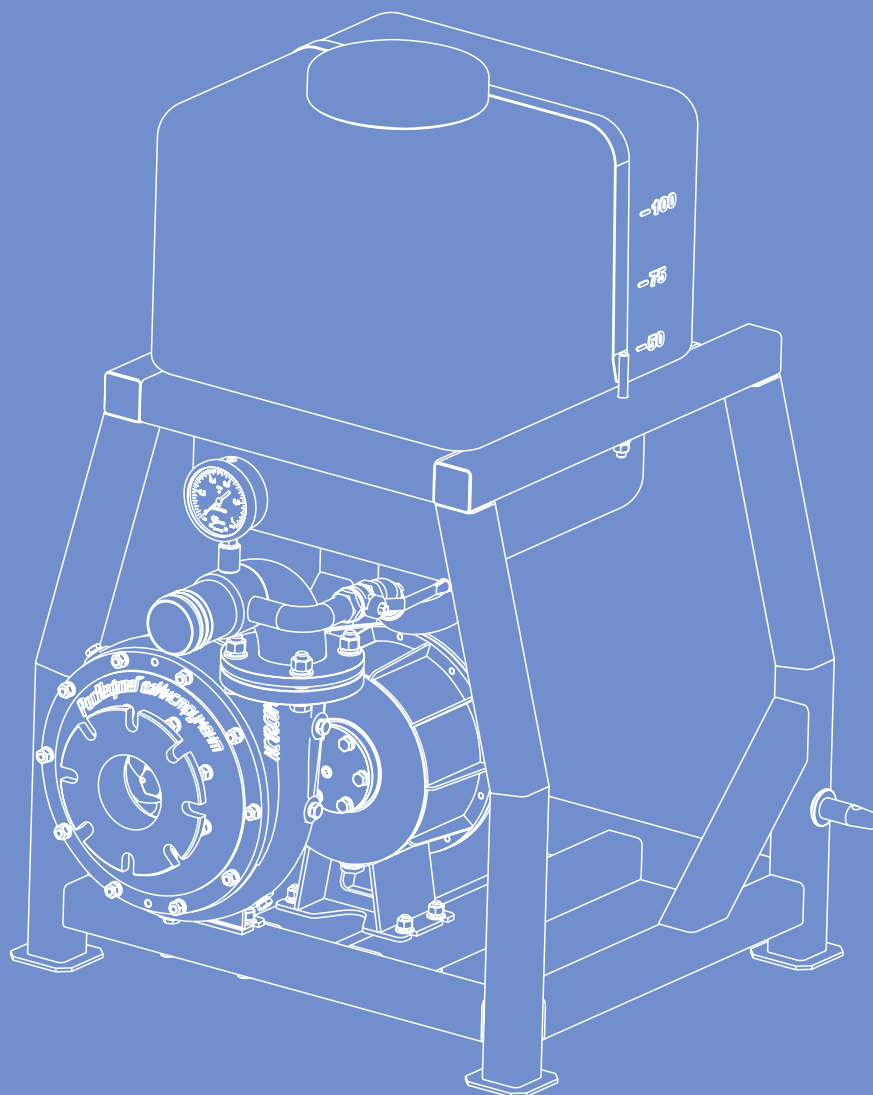


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Pumping station with a tractor PTO drive

SN-192.32.1,3R1-08.152.15.37

Technical proposal #2112

SN-192.32.1,3R1-08.152.15.37 SERIES PUMPING STATION WITH A TRACTOR PTO DRIVE

SN-192.32.1,3R1-08.152.15.37 Pumping station with a tractor PTO drive (figure 1) is installed using a three-point hitch and is designed:

- for jet and drip watering;
- for sprayers;
- for pumping water (from reservoirs and ponds);
- for fertilizer preparation solution units;
- for pumping manure;
- for irrigation systems, sprinklers, watering cannons, sprinkling systems.



Figure 1.

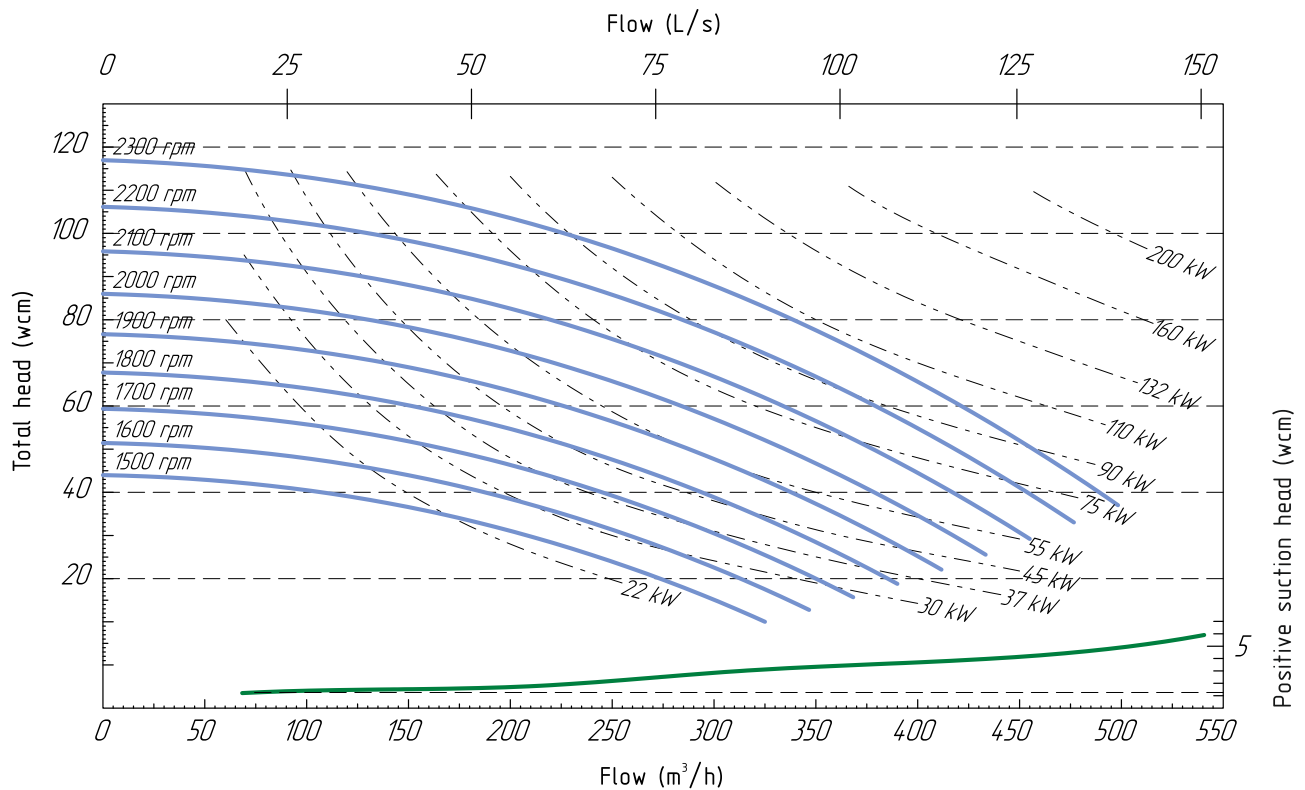


Chart 1 - Operating specifications of pumping station SN-192.32.1,3R1-08.152.15.37

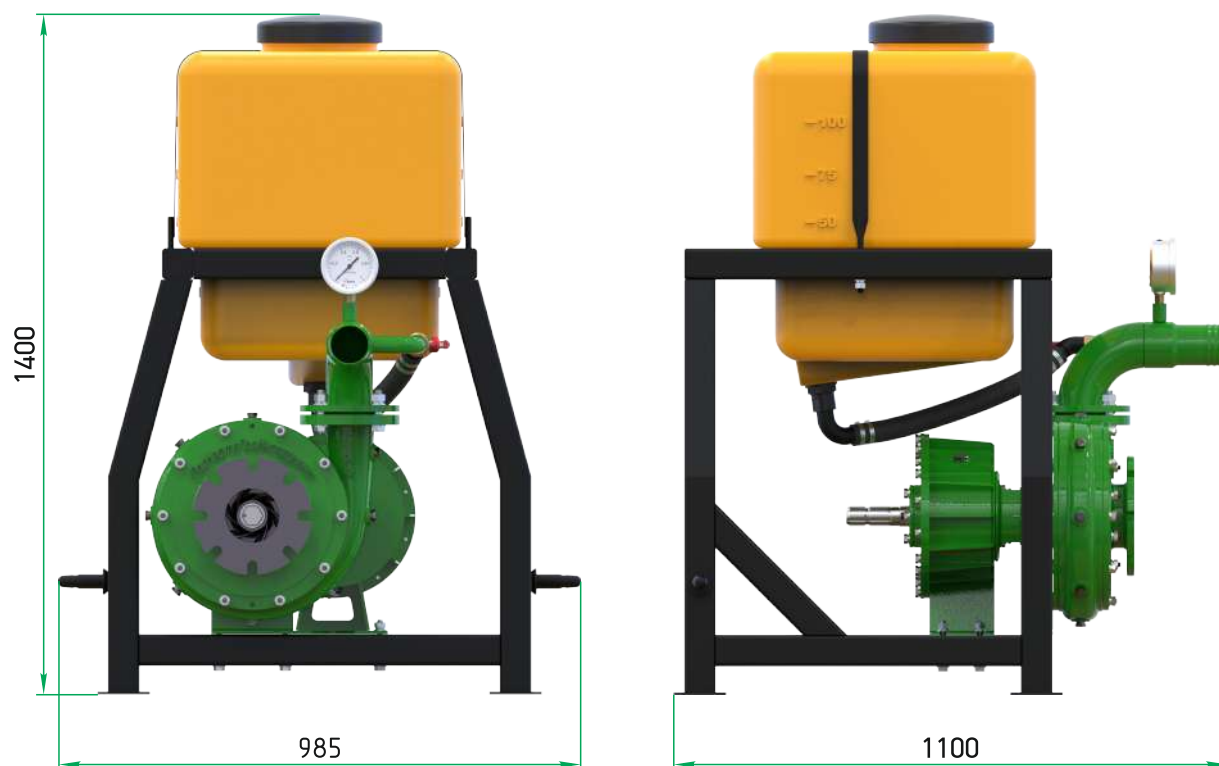


Figure 2 - SN-R1-08 Pumping station. Product dimensions.

Technical specifications of pumping station SN-R1-08

Pumped fluid properties:

Hydraulic fluid density, kg/m³
 Temperature, °C
 Solid particle content
 Solid particle maximal size, mm

SN-192.32.1,3R1-08.152.15.37

up to 1300
 +5 ... +40
 up to 15%
 at most 20

Attributes:

Max head, wcm (bar)
 Rated head, wcm (bar)
 Max flow, m³/h (lps)
 Rated flow, m³/h (lps)
 Pressure flange DN, mm
 Inlet flange Dn, mm
 Overall dimensions, LxBxH, max, mm
 Maximum suction depth, m
 Station weight, kg, ±3%
 Tank volume, l
 Power input, kW
 Speed of the pump, min⁻¹

44 (4,4)
 32 (3,2)
 360 (100)
 192 (53,33)
 150
 200
 1100x985x1400
 6
 345
 300
 37
 1500

Connection dimensions:

PTO power, kW
 PTO speed, rpm
 PTO shaft end GOST 3480-76
 Frame size at ISO 730-2019

60
 540
 Type 1 C (8 splines)
 2N

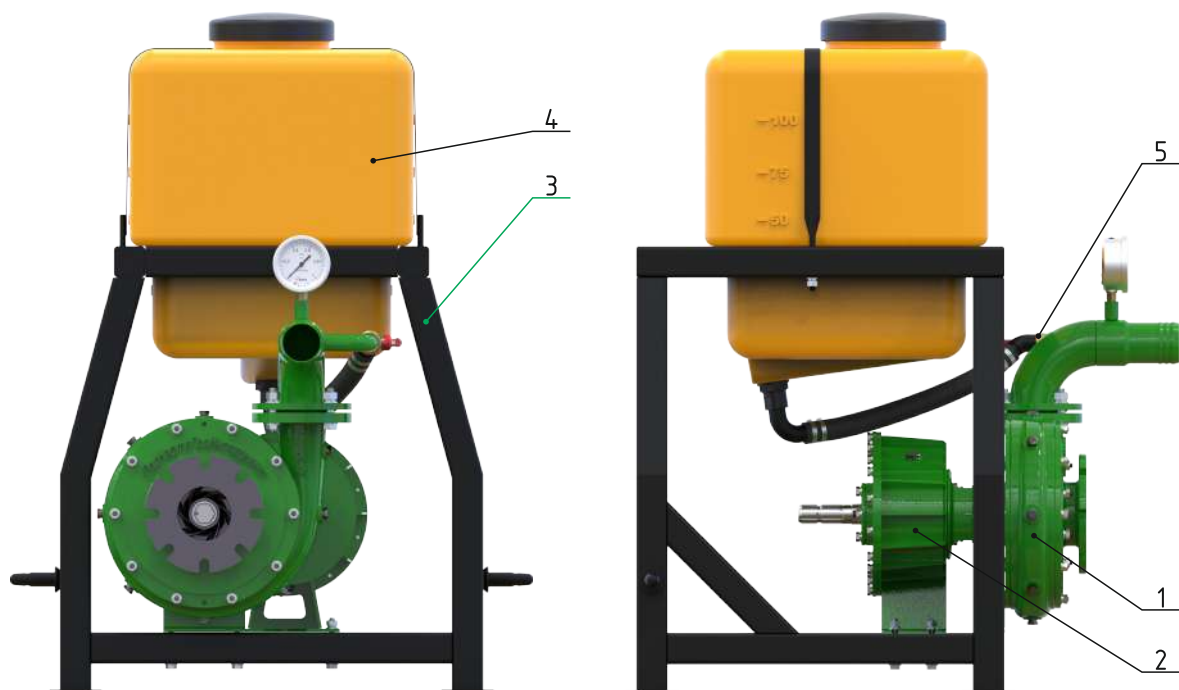


Figure 3 - SN-R1-08 Pumping station structure

The pumping station is lightweight, compact, requires minimal installation space, and is easy to maintain. It is designed for stationary operation with a tractor PTO drive. Its frame mounting dimensions comply with GOST 10677-2001 and the drive shaft complies with GOST 3480-76.

The pump body is made of AISI 5140 steel, and the impeller (blade) is made of heat-treated AISI 420 steel. Using these materials significantly increases the pump's service life.

The SN-192.32.1,3R1-08.152.15.37 pumping station (Figure 3) consists of an NC-152R1 centrifugal pump (Item 1) mounted in tandem with a multiplier (Item 2) on a frame (Item 3). A water tank (item 4) is installed on the frame, from which water is poured through a pipeline (item 5) into the pump's suction line.

SN-R1-08 Pumping station additional options

Suction hose with flange DN200 mm. Length 6 meters.	☐
Check valve Dn200 mm for connection to the hose	☐

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