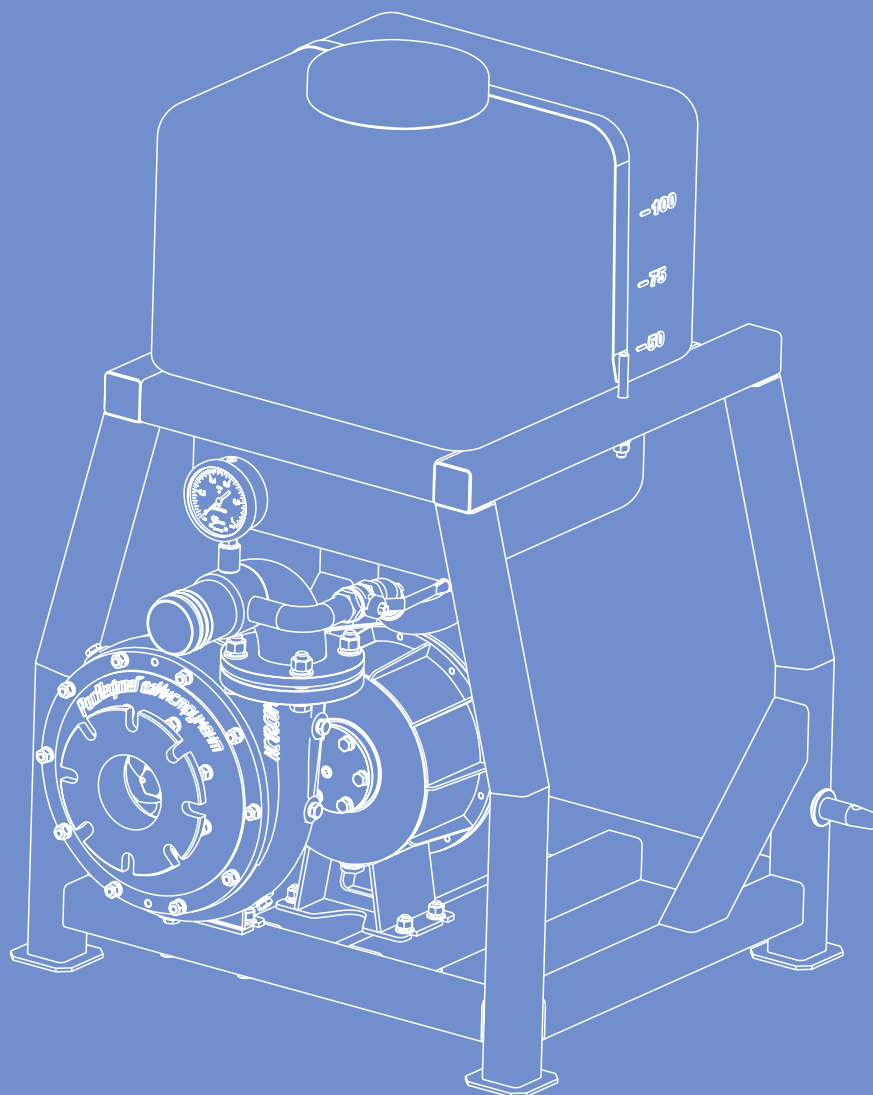


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Pumping station with a tractor PTO drive

SN-160.60.1,1.R1-08.76.M

Technical proposal #2446

SN-160.60.1,1.R1-08.76.M SERIES PUMPING STATION WITH A TRACTOR PTO DRIVE

SN-160.60.1,1.R1-08.76.M 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.

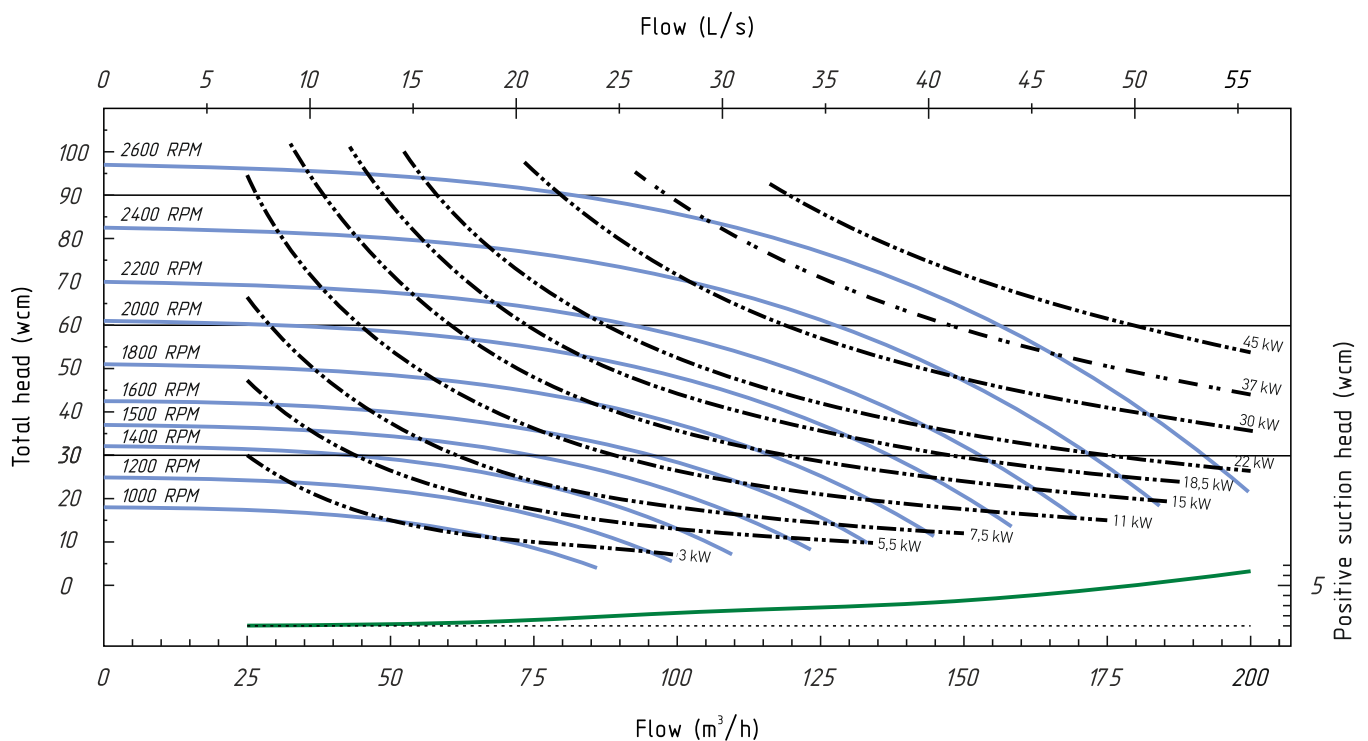


Chart 1 - Operating specifications of pumping station SN-160.60.1,1.R1-08.76.M

Technical specifications of pumping station SN-R1-08

Pumped fluid properties: Hydraulic fluid density, kg/m ³ Temperature, °C Solid particle content Solid particle maximal size, mm	SN-160.60.1,1.R1-08.76.M up to 1300 +5 ... +40 up to 15% at most 10
Attributes: Max head, wcm (bar) Rated head, wcm (bar) Max flow, m ³ /h (lps) Rated flow, m ³ /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	105 (10,5) 60 (6,0) 200 (55,5) 160 (44,4) 80 100 1055x985x1345 6 220 120 40 1500
Connection dimensions: PTO power, kW PTO speed, rpm PTO shaft end GOST 3480-76 Frame size at ISO 730-2019	60 370-1000 Type 1 C (8 splines) 2N

It is designed to operate in a stationary position powered by a tractor PTO. It has connecting frame dimensions according to GOST 10677-2001 and a power receiving shaft according to GOST 3480-76.

The pump body is made of AISI 5140 steel, the impeller (blade) is made of AISI 420 heat-treated steel. The use of these materials can significantly increase the life of the pump.

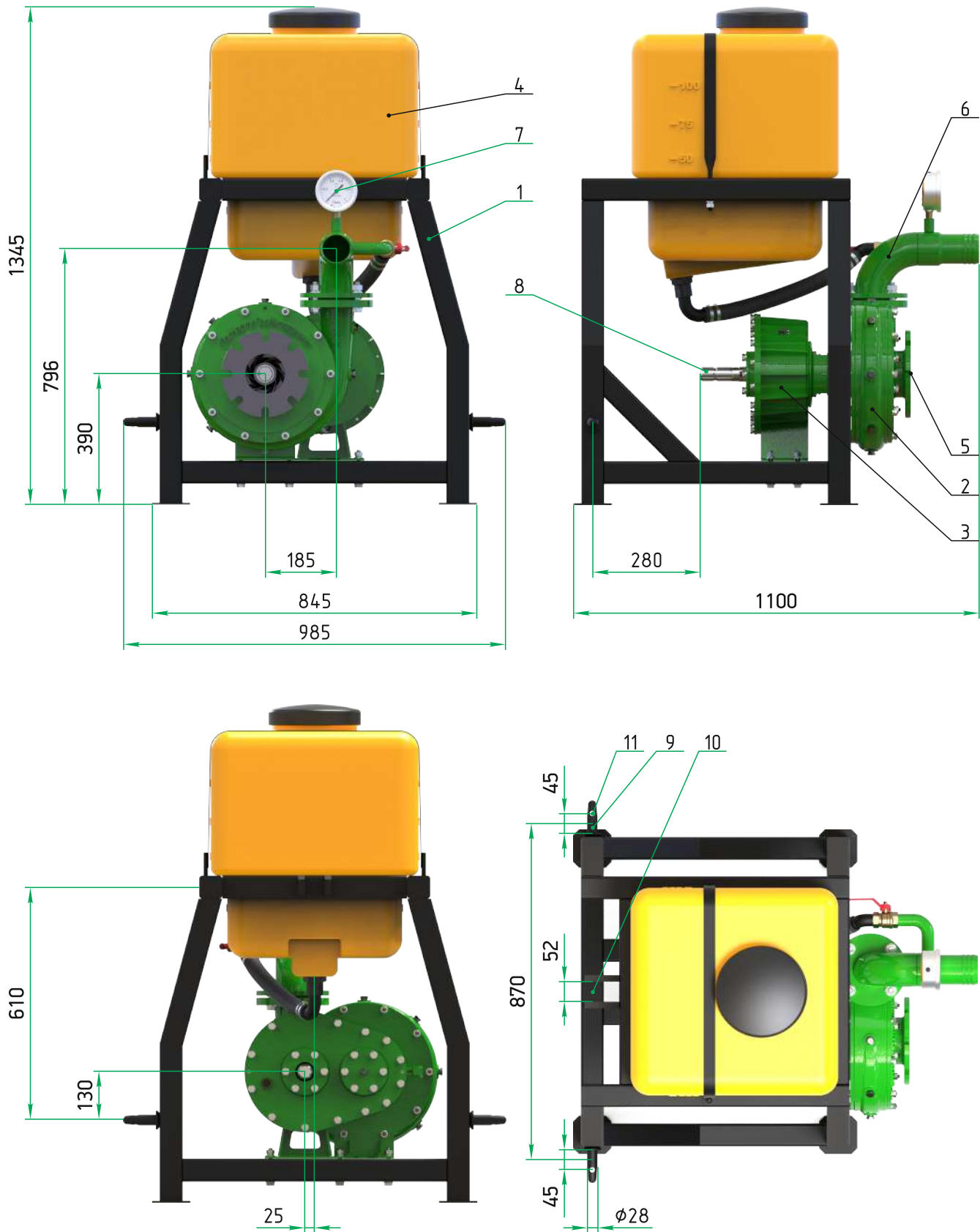


Figure 2 - SN-R1-08 Pumping station. Product dimensions and structure.

SN-R1-08 Pumping station structure

SN-160.60.1,1.R1-08.76.M the pumping station (Figure 2) is a device consisting of a frame (pos. 1), on which a centrifugal pump NC-76R1 of size 4"x3"x12" (pos. 2) is installed in tandem with a multiplier (pos. 3).

A plastic tank is installed above the pump on the frame for filling the suction line with water before starting work.

At the inlet and outlet of the pump, there are suction (pos. 5) and discharge (pos. 6) pipes with a brush for connecting the discharge and suction hoses.

A pressure gauge (pos. 7) is installed on the discharge pipe to monitor the centrifugal pump's operation. The centrifugal pump's power take-up shaft (pos. 8) is connected to the tractor's PTO via a cardan shaft (not included).

The three-point hitch linkage rods are attached to the pump station using the lower fixed (pos. 9) and upper removable (pos. 10) pins, and the pin (pos. 11).

SN-R1-08 Pumping station additional options

Suction hose DN100 mm. Length 6 meters.	☐
Check valve DN100 mm for connection to the hose	☐

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