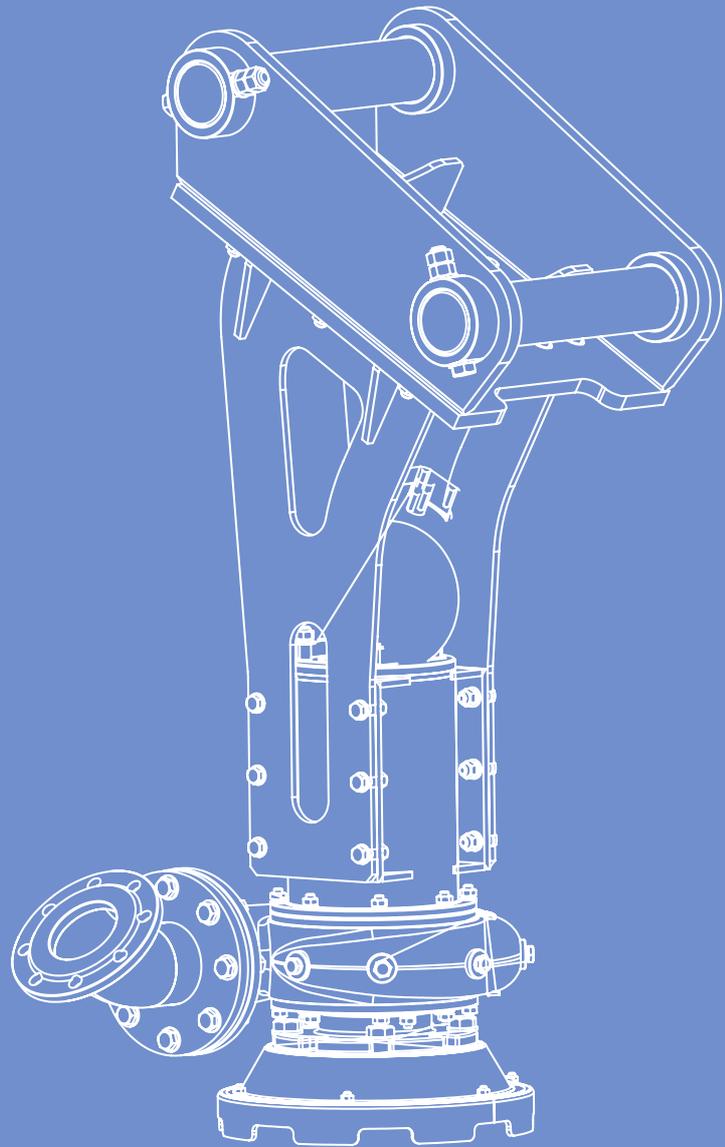


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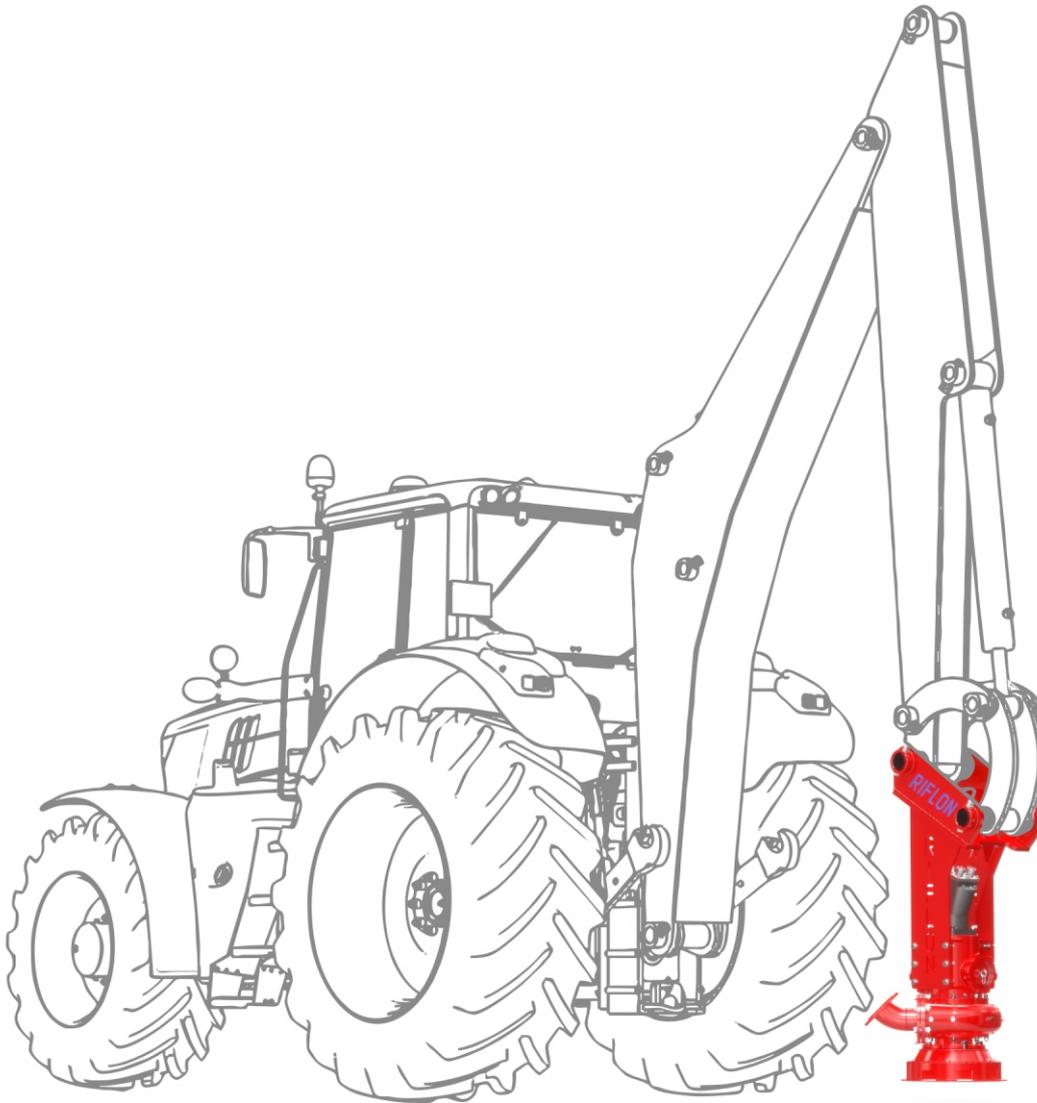
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**Submersible pumping station
for hitching on a tractor**

SN-160R1-02

An example of installing a pumping station SN-160R1 on a tractor boom.



Advantages of SN-160R1-02 series submersible pumping station for hitching on a tractor:

- the power of the station comes from the tractor hydraulic system, thereby reducing the cost of equipment;
- simple maintenance;
- light weight;
- compact size
- extreme durability;
- minimal installation space requirements;
- all parts are steel casted;
- impeller made of stainless steel;
- increased wearing resistance of pump components;
- versatile, modular design that allows customers to purchase only the parts necessary for repairs;
- exposed impeller.

SN-160R1-02 SERIES SUBMERSIBLE PUMPING STATION FOR HITCHING ON A TRACTOR

Pumping station SN-160R1-02 are intended to pump various liquids:

- abrasive hydraulic fluids (clay and gravel mortars, mixtures of water and sand, ore, etc.);
- flushing liquid used in the course of well drilling;
- household and industrial waste waters;
- spent flushing liquid into cyclone plant to clean it of drilled solids;
- cement mortars.

Pumped fluid properties:

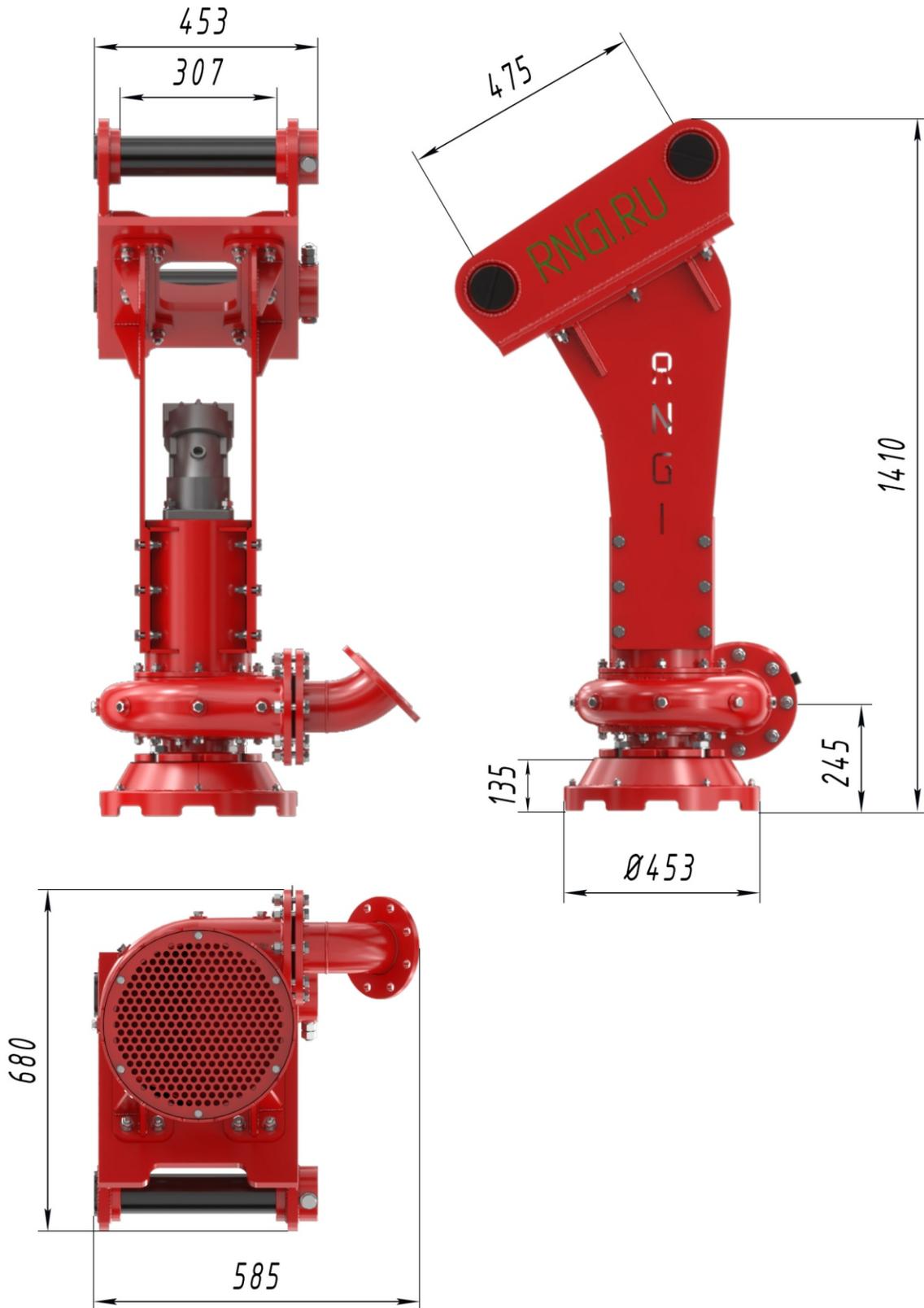
Hydraulic fluid density, kg/m ³	up to 2500
Temperature, °C	+5 ... +55
Solid particle content	up to 60%
Solid particle maximal size, mm	at most 8

Parameter name:

Nominal height of lift, Mpa	0,3
Nominal flow, m ³ /h	160
Rated speed, rpm	1400
Maximum rotations per minute	2400
Base pump model	NC-100R1
Hydromotor	
Brand	310.3(4).56
Motor displacement, cc/rev	56
Power, kW:	
nominal	33,6
full	58,8
Inlet pressure, Mpa:	
nominal	20
maximum	35
Flow, lpm:	
rated	84
full	210
Dn suction flange, mm	125
Dn pressure flange, mm	100
Dimensions LxWxH, max, mm	680x585x1410
Station weight, kg, ±3%	260

Pumping station SN-160R1-02. Dimensions.

Picture 1

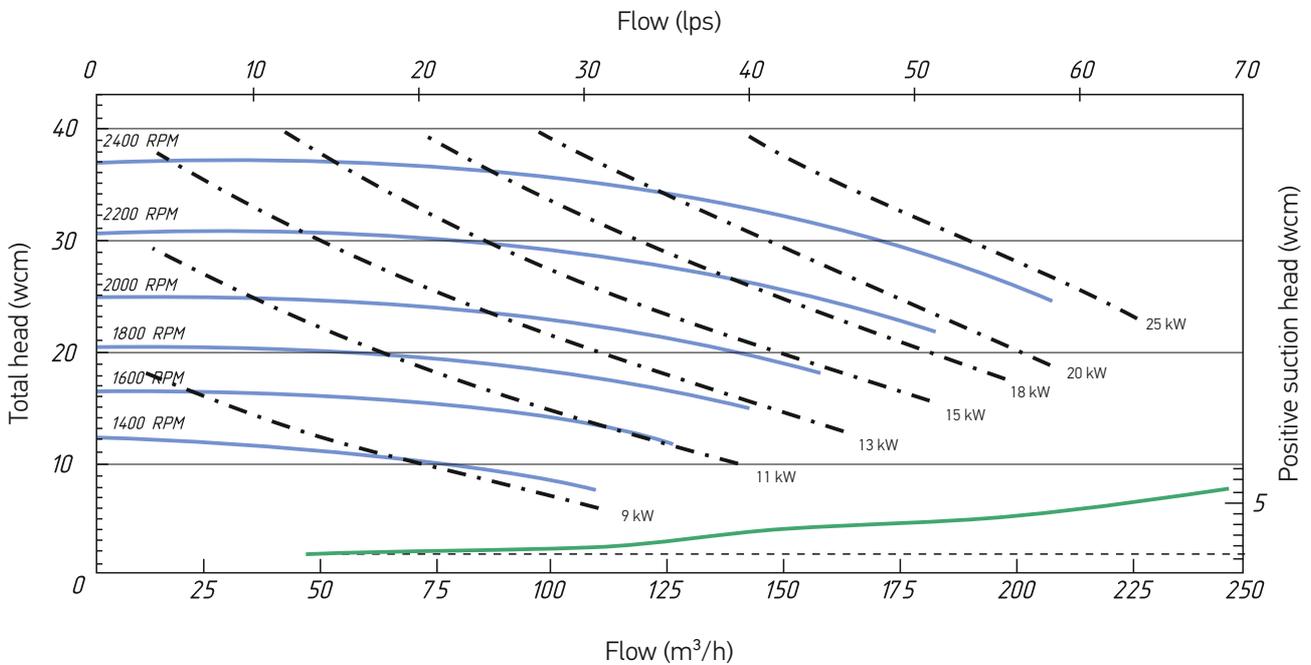


This pump station is intended for installation in the standard place on the shovel boom instead of the bucket.

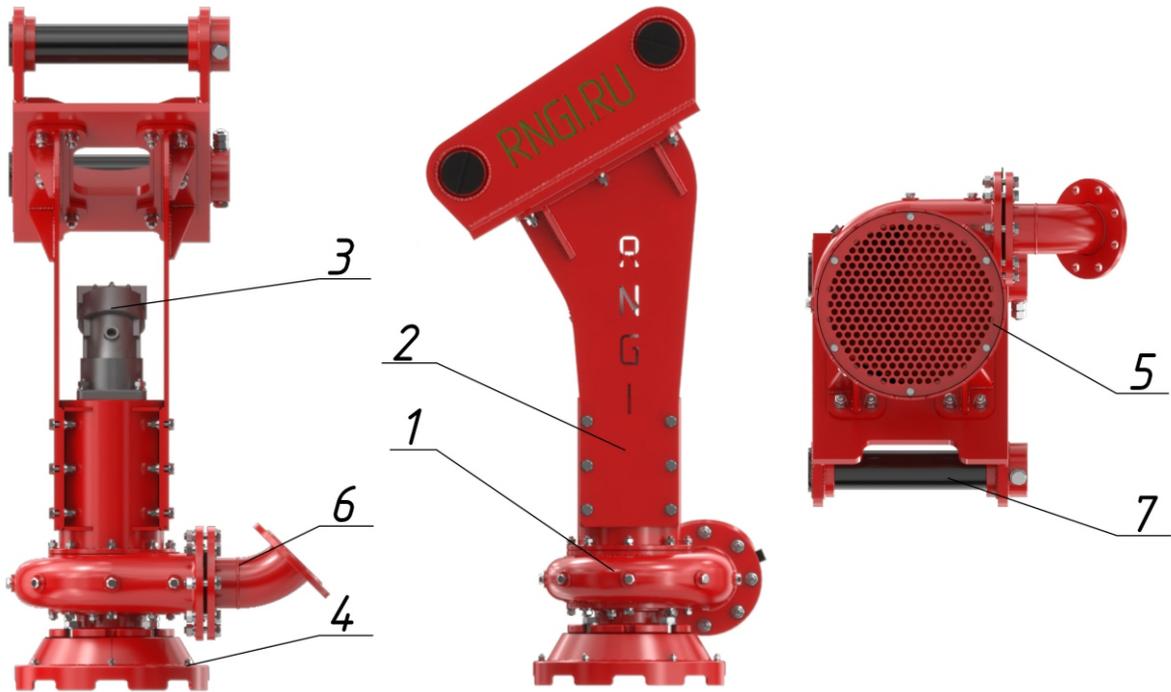
Pumping station SN-160R1-02 it consists of a suspension, in the lower part of which a centrifugal pump NC-100R1 of size 5"x4"x8" is installed. The centrifugal pump is driven by a hydraulic motor powered by the standard excavator hydraulic system. A skirt with a debris filter is connected to the upstream end of the centrifugal pump to the prevention large particles from entering.

The pumping station is attached to the shovel boom with load pins.

Pump body made of steel 40HL, impeller made of stainless steel 20H13. The use of these materials allows you to increase the pump life several times.



Pump card NC-100R1



Pumping station SN-160R1-02. Structure.

- | | |
|---|---|
| 1 | Centrifugal pump NC-100R1 (5"x4"x8") |
| 2 | Suspension |
| 3 | Hydromotor |
| 4 | Skirt |
| 5 | Debris filter |
| 6 | Branch for connecting the pressure hose |
| 7 | Pins |

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