

APPLICATION

Centrifugal console one-step with horizontal axial intake of a liquid to the driving wheel the pumps type C are intended for pumping in stationary conditions of pure water (except for sea water) with pH= 6-9, temperature from 0 up to 85°C (when double sealing with stuffing boxes is applied - the delivered water from may have temperature up to 105°C) and other liquids similar to water on density, to viscosity and chemical activity containing firm inclusions on volume no more of 0,1 % and the size up to 0,2 mm.

Are used in systems of a water municipal services, for irrigation and drainage.



DESCRIPTION

The console monoblock pump represents, from the point of view of hydraulics, characteristic type of the centrifugal pump, which working body is the centrifugal wheel.

The centrifugal wheel consists of two disks, between which, connecting them in a uniform design, there are blades smoothly bent in the party, opposite to a direction of rotation of a wheel.

At rotation of a wheel on each particle of a liquid which is taking place inside a wheel, the centrifugal force directly proportional to distance of a particle from the centre of a wheel and a square of angular speed of rotation of a wheel works.

Under action of this force the liquid is thrown out in the pressure head pipeline from the driving wheel, therefore at the centre of a wheel is created vacuum, and other of this part - the raised pressure.

The pressure of a liquid on the soaking up pipeline occurs owing to a difference of pressure above a free surface of a liquid in the reception tank and in the central area of a wheel, where is present vacuum.

To find out technical characteristics of the model you need, just click on the mark of the pump

The mark of the pump	Flow, m ³ h	Head, m	The mark of the pump	Flow, m ³ h	Head, m
KM 80-50-200	50	50	KM 100-65-200	100	50
KM 100-80-160	100	32	KM 150-125-250	200	20
KM 50-32-125	12,5	20	KM 65-50-160	25	32

Centrifugal, horizontal, mono-block, single-stage pumps with a closed working wheel, mounted directly on the shaft of a special asynchronous motor with an elongated end of the shaft.

The purposes and specifications of the pump parts of the type K and KM are identical, but the KM pump units have smaller dimensions and mass.

Flow, m ³ /h	50
Head, m	50
Frequency, Hz	48,33
Frequency, rpm	2900
Power, kWt	11
Height of self-suction, m	-

KM 100-80-160

Centrifugal, horizontal, mono-block, single-stage pumps with a closed working wheel, mounted directly on the shaft of a special asynchronous motor with an elongated end of the shaft.

The purposes and specifications of the pump parts of the type K and KM are identical, but the KM pump units have smaller dimensions and mass.

Flow, m ³ /h	100
Head, m	32
Frequency, Hz	48,33
Frequency, rpm	2900
Power, kWt	11,6
Height of self-suction, m	-

Centrifugal, horizontal, mono-block, single-stage pumps with a closed working wheel, mounted directly on the shaft of a special asynchronous motor with an elongated end of the shaft.

The purposes and specifications of the pump parts of the type K and KM are identical, but the KM pump units have smaller dimensions and mass.

Flow, m ³ /h	12,5
Head, m	20
Frequency, Hz	48,33
Frequency, rpm	2900
Power, kWt	1,24
Height of self-suction, m	-

KM 100-65-200

Centrifugal, horizontal, mono-block, single-stage pumps with a closed working wheel, mounted directly on the shaft of a special asynchronous motor with an elongated end of the shaft.

The purposes and specifications of the pump parts of the type K and KM are identical, but the KM pump units have smaller dimensions and mass.

Flow, m ³ /h	100
Head, m	50
Frequency, Hz	48,33
Frequency, rpm	2900
Power, kWt	19
Height of self-suction, m	

Centrifugal, horizontal, mono-block, single-stage pumps with a closed working wheel, mounted directly on the shaft of a special asynchronous motor with an elongated end of the shaft.

The purposes and specifications of the pump parts of the type K and KM are identical, but the KM pump units have smaller dimensions and mass.

Flow, m ³ /h	200
Head, m	20
Frequency, Hz	24,17
Frequency, rpm	1450
Power, kWt	13,5
Height of self-suction, m	-

KM 65-50-160

Centrifugal, horizontal, mono-block, single-stage pumps with a closed working wheel, mounted directly on the shaft of a special asynchronous motor with an elongated end of the shaft.

The purposes and specifications of the pump parts of the type K and KM are identical, but the KM pump units have smaller dimensions and mass.

Flow, m ³ /h	25
Head, m	32
Frequency, Hz	48,33
Frequency, rpm	2900
Power, kWt	3,4
Height of self-suction, m	-

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