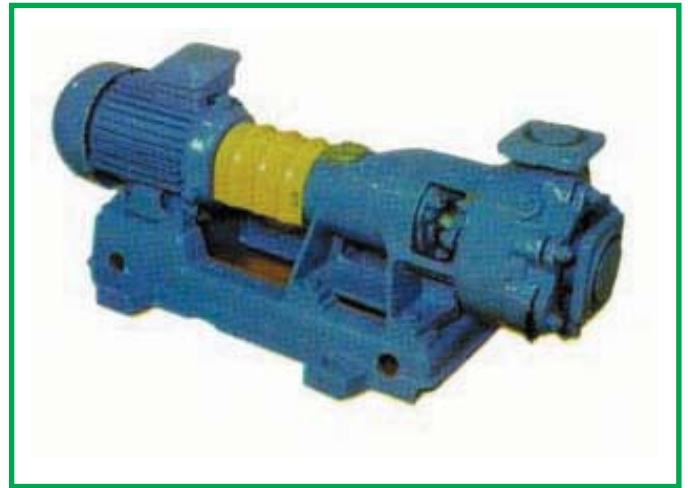


APPLICATION

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, m³h	Head, m	The mark of the pump	Flow, m³h	Head, m
K 8/18	8	18	K 20/30	20	30
K 45/30	45	30	K 45/30a	35	22,5
K 90/20	90	20	K 80-50-200	50	50
K 80-50-200a	45	50	K 80-65-160	50	32
K 100-80-160	100	32	K 100-80-160a	90	26
K 100-65-200	100	50	K 100-65-200a	90	40
K 100-65-250	100	80	K 100-65-250a	90	67
K 150-125-250	200	20	K 150-125-315	200	32
K 200-150-250	290	18	K 200-150-250a	260	16,5
K 200-150-315	315	32	K 200-150-315a	250	24

Centrifugal cradle-mounted, single-stage pumps of type K, with the horizontal axial delivery of the liquid to the working wheel are intended for pumping of pure water (except sea water) in stationary conditions, the water having pH= 6-9, temperature from 0° to 85° C (when double sealing with stuffing boxes is applied — the delivered water may have temperature up to 105° C), and other liquids analogous to water from the point of view of density, viscosity and chemical activity, containing hard insertions not more than 0,1% of the volume, the hard particles having the sizes up to 0,2mm.

They are used in the systems of communal water supply, for irrigation and drainage.

It is not permissible to install and use the pumps in explosion and fire hazardous production processes, as well as to place them in dwelling houses (with the exception of boosting pumps, tupe KMP).

Flow, m ³ /h	8
Head, m	18
Frequency, Hz	50
Frequency, rpm	3000
Power, kWt	1,5
Height of self-suction, m	-

K 45/30

Centrifugal cradle-mounted, single-stage pumps of type K, with the horizontal axial delivery of the liquid to the working wheel are intended for pumping of pure water (except sea water) in stationary conditions, the water having pH= 6-9, temperature from 0° to 85° C (when double sealing with stuffing boxes is applied — the delivered water may have temperature up to 105° C), and other liquids analogous to water from the point of view of density, viscosity and chemical activity, containing hard insertions not more than 0,1% of the volume, the hard particles having the sizes up to 0,2mm.

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Flow, m ³ /h	45
Head, m	30
Frequency, Hz	50
Frequency, rpm	3000
Power, kWt	7,5
Height of self-suction, m	-

Centrifugal cradle-mounted, single-stage pumps of type K, with the horizontal axial delivery of the liquid to the working wheel are intended for pumping of pure water (except sea water) in stationary conditions, the water having pH= 6-9, temperature from 0° to 85° C (when double sealing with stuffing boxes is applied — the delivered water may have temperature up to 105° C), and other liquids analogous to water from the point of view of density, viscosity and chemical activity, containing hard insertions not more than 0,1% of the volume, the hard particles having the sizes up to 0,2mm.

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Flow, m ³ /h	90
Head, m	20
Frequency, Hz	50
Frequency, rpm	3000
Power, kWt	7,5
Height of self-suction, m	-

K 80-50-200a

Centrifugal cradle-mounted, single-stage pumps of type K, with the horizontal axial delivery of the liquid to the working wheel are intended for pumping of pure water (except sea water) in stationary conditions, the water having pH= 6-9, temperature from 0° to 85° C (when double sealing with stuffing boxes is applied — the delivered water may have temperature up to 105° C), and other liquids analogous to water from the point of view of density, viscosity and chemical activity, containing hard insertions not more than 0,1% of the volume, the hard particles having the sizes up to 0,2mm.

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Flow, m ³ /h	45
Head, m	50
Frequency, Hz	50
Frequency, rpm	3000
Power, kWt	11
Height of self-suction, m	-

Centrifugal cradle-mounted, single-stage pumps of type K, with the horizontal axial delivery of the liquid to the working wheel are intended for pumping of pure water (except sea water) in stationary conditions, the water having pH= 6-9, temperature from 0° to 85° C (when double sealing with stuffing boxes is applied — the delivered water may have temperature up to 105° C), and other liquids analogous to water from the point of view of density, viscosity and chemical activity, containing hard insertions not more than 0,1% of the volume, the hard particles having the sizes up to 0,2mm.

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Flow, m ³ /h	100
Head, m	32
Frequency, Hz	50
Frequency, rpm	3000
Power, kWt	15
Height of self-suction, m	-

K 100-65-200

Centrifugal cradle-mounted, single-stage pumps of type K, with the horizontal axial delivery of the liquid to the working wheel are intended for pumping of pure water (except sea water) in stationary conditions, the water having pH= 6-9, temperature from 0° to 85° C (when double sealing with stuffing boxes is applied — the delivered water may have temperature up to 105° C), and other liquids analogous to water from the point of view of density, viscosity and chemical activity, containing hard insertions not more than 0,1% of the volume, the hard particles having the sizes up to 0,2mm.

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Flow, m ³ /h	100
Head, m	50
Frequency, Hz	50
Frequency, rpm	3000
Power, kWt	30
Height of self-suction, m	-

Centrifugal cradle-mounted, single-stage pumps of type K, with the horizontal axial delivery of the liquid to the working wheel are intended for pumping of pure water (except sea water) in stationary conditions, the water having pH= 6-9, temperature from 0° to 85° C (when double sealing with stuffing boxes is applied — the delivered water may have temperature up to 105° C), and other liquids analogous to water from the point of view of density, viscosity and chemical activity, containing hard insertions not more than 0,1% of the volume, the hard particles having the sizes up to 0,2mm.

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Flow, m ³ /h	100
Head, m	80
Frequency, Hz	50
Frequency, rpm	3000
Power, kWt	45
Height of self-suction, m	-

K 150-125-250

Centrifugal cradle-mounted, single-stage pumps of type K, with the horizontal axial delivery of the liquid to the working wheel are intended for pumping of pure water (except sea water) in stationary conditions, the water having pH= 6-9, temperature from 0° to 85° C (when double sealing with stuffing boxes is applied — the delivered water may have temperature up to 105° C), and other liquids analogous to water from the point of view of density, viscosity and chemical activity, containing hard insertions not more than 0,1% of the volume, the hard particles having the sizes up to 0,2mm.

They are used in the systems of communal water supply, for irrigation and drainage.

It is not permissible to install and use the pumps in explosion and fire hazardous production processes, as well as to place them in dwelling houses (with the exception of boosting pumps, tupe KMP).

Flow, m ³ /h	200
Head, m	20
Frequency, Hz	25
Frequency, rpm	1500
Power, kWt	18,5
Height of self-suction, m	-

Centrifugal cradle-mounted, single-stage pumps of type K, with the horizontal axial delivery of the liquid to the working wheel are intended for pumping of pure water (except sea water) in stationary conditions, the water having pH= 6-9, temperature from 0° to 85° C (when double sealing with stuffing boxes is applied — the delivered water may have temperature up to 105° C), and other liquids analogous to water from the point of view of density, viscosity and chemical activity, containing hard insertions not more than 0,1% of the volume, the hard particles having the sizes up to 0,2mm.

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Flow, m ³ /h	290
Head, m	18
Frequency, Hz	25
Frequency, rpm	1500
Power, kWt	22
Height of self-suction, m	-

K 200-150-315

Centrifugal cradle-mounted, single-stage pumps of type K, with the horizontal axial delivery of the liquid to the working wheel are intended for pumping of pure water (except sea water) in stationary conditions, the water having pH= 6-9, temperature from 0° to 85° C (when double sealing with stuffing boxes is applied — the delivered water may have temperature up to 105° C), and other liquids analogous to water from the point of view of density, viscosity and chemical activity, containing hard insertions not more than 0,1% of the volume, the hard particles having the sizes up to 0,2mm.

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Flow, m ³ /h	315
Head, m	32
Frequency, Hz	25
Frequency, rpm	1500
Power, kWt	45
Height of self-suction, m	-

Centrifugal cradle-mounted, single-stage pumps of type K, with the horizontal axial delivery of the liquid to the working wheel are intended for pumping of pure water (except sea water) in stationary conditions, the water having pH= 6-9, temperature from 0° to 85° C (when double sealing with stuffing boxes is applied — the delivered water may have temperature up to 105° C), and other liquids analogous to water from the point of view of density, viscosity and chemical activity, containing hard insertions not more than 0,1% of the volume, the hard particles having the sizes up to 0,2mm.

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Flow, m ³ /h	20
Head, m	30
Frequency, Hz	50
Frequency, rpm	3000
Power, kWt	4
Height of self-suction, m	

K 45/30a

Centrifugal cradle-mounted, single-stage pumps of type K, with the horizontal axial delivery of the liquid to the working wheel are intended for pumping of pure water (except sea water) in stationary conditions, the water having pH= 6-9, temperature from 0° to 85° C (when double sealing with stuffing boxes is applied — the delivered water may have temperature up to 105° C), and other liquids analogous to water from the point of view of density, viscosity and chemical activity, containing hard insertions not more than 0,1% of the volume, the hard particles having the sizes up to 0,2mm.

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Flow, m ³ /h	35
Head, m	22,5
Frequency, Hz	50
Frequency, rpm	3000
Power, kWt	5,5
Height of self-suction, m	-

Centrifugal cradle-mounted, single-stage pumps of type K, with the horizontal axial delivery of the liquid to the working wheel are intended for pumping of pure water (except sea water) in stationary conditions, the water having pH= 6-9, temperature from 0° to 85° C (when double sealing with stuffing boxes is applied — the delivered water may have temperature up to 105° C), and other liquids analogous to water from the point of view of density, viscosity and chemical activity, containing hard insertions not more than 0,1% of the volume, the hard particles having the sizes up to 0,2mm.

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Flow, m ³ /h	50
Head, m	50
Frequency, Hz	50
Frequency, rpm	3000
Power, kWt	15
Height of self-suction, m	-

K 80-65-160

Centrifugal cradle-mounted, single-stage pumps of type K, with the horizontal axial delivery of the liquid to the working wheel are intended for pumping of pure water (except sea water) in stationary conditions, the water having pH= 6-9, temperature from 0° to 85° C (when double sealing with stuffing boxes is applied — the delivered water may have temperature up to 105° C), and other liquids analogous to water from the point of view of density, viscosity and chemical activity, containing hard insertions not more than 0,1% of the volume, the hard particles having the sizes up to 0,2mm.

They are used in the systems of communal water supply, for irrigation and drainage.

It is not permissible to install and use the pumps in explosion and fire hazardous production processes, as well as to place them in dwelling houses (with the exception of boosting pumps, tupe KMP).

Flow, m ³ /h	50
Head, m	32
Frequency, Hz	50
Frequency, rpm	3000
Power, kWt	7,5
Height of self-suction, m	-

Centrifugal cradle-mounted, single-stage pumps of type K, with the horizontal axial delivery of the liquid to the working wheel are intended for pumping of pure water (except sea water) in stationary conditions, the water having pH= 6-9, temperature from 0° to 85° C (when double sealing with stuffing boxes is applied — the delivered water may have temperature up to 105° C), and other liquids analogous to water from the point of view of density, viscosity and chemical activity, containing hard insertions not more than 0,1% of the volume, the hard particles having the sizes up to 0,2mm.

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Flow, m ³ /h	90
Head, m	26
Frequency, Hz	50
Frequency, rpm	3000
Power, kWt	11
Height of self-suction, m	-

K 100-65-200a

Centrifugal cradle-mounted, single-stage pumps of type K, with the horizontal axial delivery of the liquid to the working wheel are intended for pumping of pure water (except sea water) in stationary conditions, the water having pH= 6-9, temperature from 0° to 85° C (when double sealing with stuffing boxes is applied — the delivered water may have temperature up to 105° C), and other liquids analogous to water from the point of view of density, viscosity and chemical activity, containing hard insertions not more than 0,1% of the volume, the hard particles having the sizes up to 0,2mm.

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Flow, m ³ /h	90
Head, m	40
Frequency, Hz	50
Frequency, rpm	3000
Power, kWt	18,5
Height of self-suction, m	-

Centrifugal cradle-mounted, single-stage pumps of type K, with the horizontal axial delivery of the liquid to the working wheel are intended for pumping of pure water (except sea water) in stationary conditions, the water having pH= 6-9, temperature from 0° to 85° C (when double sealing with stuffing boxes is applied — the delivered water may have temperature up to 105° C), and other liquids analogous to water from the point of view of density, viscosity and chemical activity, containing hard insertions not more than 0,1% of the volume, the hard particles having the sizes up to 0,2mm.

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Flow, m ³ /h	90
Head, m	67
Frequency, Hz	50
Frequency, rpm	3000
Power, kWt	37
Height of self-suction, m	-

K 150-125-315

Centrifugal cradle-mounted, single-stage pumps of type K, with the horizontal axial delivery of the liquid to the working wheel are intended for pumping of pure water (except sea water) in stationary conditions, the water having pH= 6-9, temperature from 0° to 85° C (when double sealing with stuffing boxes is applied — the delivered water may have temperature up to 105° C), and other liquids analogous to water from the point of view of density, viscosity and chemical activity, containing hard insertions not more than 0,1% of the volume, the hard particles having the sizes up to 0,2mm.

They are used in the systems of communal water supply, for irrigation and drainage.

It is not permissible to install and use the pumps in explosion and fire hazardous production processes, as well as to place them in dwelling houses (with the exception of boosting pumps, tupe KMP).

Flow, m ³ /h	200
Head, m	32
Frequency, Hz	25
Frequency, rpm	1500
Power, kWt	30
Height of self-suction, m	-

Centrifugal cradle-mounted, single-stage pumps of type K, with the horizontal axial delivery of the liquid to the working wheel are intended for pumping of pure water (except sea water) in stationary conditions, the water having pH= 6-9, temperature from 0° to 85° C (when double sealing with stuffing boxes is applied — the delivered water may have temperature up to 105° C), and other liquids analogous to water from the point of view of density, viscosity and chemical activity, containing hard insertions not more than 0,1% of the volume, the hard particles having the sizes up to 0,2mm.

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Flow, m ³ /h	260
Head, m	16,5
Frequency, Hz	25
Frequency, rpm	1500
Power, kWt	18,5
Height of self-suction, m	-

K 200-150-315a

Centrifugal cradle-mounted, single-stage pumps of type K, with the horizontal axial delivery of the liquid to the working wheel are intended for pumping of pure water (except sea water) in stationary conditions, the water having pH= 6-9, temperature from 0° to 85° C (when double sealing with stuffing boxes is applied — the delivered water may have temperature up to 105° C), and other liquids analogous to water from the point of view of density, viscosity and chemical activity, containing hard insertions not more than 0,1% of the volume, the hard particles having the sizes up to 0,2mm.

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Flow, m ³ /h	250
Head, m	24
Frequency, Hz	25
Frequency, rpm	1500
Power, kWt	30
Height of self-suction, m	-

How To Find Us

Oryol:

47 Poleskaya St

Oryol, Russia

302028

Phone: +7 (486 2) 43-73-22

Phone: +7 (486 2) 45-41-60

Fax: +7 (486 2) 45-86-56

E-mail: rgm@rgm1.ru

Moscow:

44 Bolshaya Academicheskaya St, apt. 115

Moscow, Russia

Phone/Fax: +7 (495) 153-20-05, 976-37-75

E-mail: m@rgm1.ru

St.Petersburg:

10 Sedova St, Floor 3

St.Petersburg, Russia

Phone/Fax: +7 (812) 265-15-02, 380-42-13

E-mail: spb@rgm1.ru

Voronezh:

54 Peshestreletskaya St

Voronezh, Russia

Phone/Fax: +7 (473 2) 63-59-81, 39-30-17

E-mail: v@rgm1.ru

Omsk:

115 Pushkina St

Omsk, Russia

Phone/Fax: +7 (381 2) 31-22-30

E-mail: omsk@rgm1.ru

Sophia:

96 Slatinska St, floor 5, office 21

Sophia, Bulgaria

Phone/Fax: (+3592) 971-56-70

Phone: (+3592) 971-56-71

E-mail: rgm1@homelan.bg