

APPLICATION

Condensate removal pumps of Ks type are intended for the feed of the backpressure steam condensate of stationary steam turbines, of the condensate of heating steam from heat exchanges with the temperature up to 125°C, for pumps Ks32-150 and Ks80-155 - with the temperature up to 160°C.

The distinguishing characteristics of the condensate removal pumps are their good suction capabilities. According to the structural criterion the condensate removal pumps, depending on the place of their installation in the power block, can be of I or II rises.



DESCRIPTION

According to the structural criterion the condensate removal pumps, depending on the place of their installation in the power block, can be of I or II rises.

The pumps of I rise are subdivided into groups:

- horizontal, single-case, spiral type pumps, with one side intake;
- horizontal split, single-case pumps;
- vertical split, double-case pumps (KsV).

The pumps of II rise are single-stage, of spiral type, with the wheel of dual intake (horizontal and vertical). They are intended for the feed of the condensate with the temperature up to 60°C to deaerators of nuclear and heat power plants. They are used for pumping the condensate in steam networks of power plants.

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
Ks 32-150-2	32	150	Ks 50-55-2	50	55
Ks 50-110-2	50	110	Ks 80-155-2	80	155
KsV 90-155	90	155	KsV 90-220	90	220
KsV 120-85	120	85	KsV 125-55	125	55
KsV 125-55a	125	45	KsV 125-55b	125	40
KsV 125-140	125	140	KsV 125-140a	125	125
KsV 125-140b	125	100	KsV 200-130	200	130

The mark of the pump	Flow, m ³ h	Head, m	The mark of the pump	Flow, m ³ h	Head, m
KsV 200-130a	200	115	KsV 200-130b	200	99
KsV 200-220	200	220	KsV 200-250	200	250
KsV 320-85	320	85	KsV 320-125	320	125
KsV 320-50/160	320	50/160	KsV 320-160-2	320	160
KsV 500-85-1	500	85	KsV 500-150-1	500	150
KsV 500-220-1	500	220	KsV 1150-90	1150	90
KsV 1250-45	1250	45	KsV 1500-140	1500	140
KsV 125-71	125	71	KsV 125-140	125	140
KsV 125-140a	100	100	KsV 315-80	315	80
KsV 315-160	315	160	KsV 500-80	500	80
Ks 12-50	12	50	Ks 12-110	12	110
Ks 20-50	20	50	Ks 20-110	20	110

Condensate removal pumps of KStype are intended for the feed of the back-pressure steam condensate of stationary steam turbines, of the condensate of heating steam from heat exchangers with the temperature up to 125° C, for pumps Ks32-150 and Ks80-155 - with the temperature up to 160° C.

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Flow, m ³ /h	32
Head, m	150
Frequency, Hz	48,33
Frequency, rpm	2900
Power, kWt	22
Height of self-suction, m	-

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Flow, m ³ /h	90
Head, m	155
Frequency, Hz	49
Frequency, rpm	2940
Power, kWt	75
Height of self-suction, m	-

Condensate removal pumps of KStype are intended for the feed of the back-pressure steam condensate of stationary steam turbines, of the condensate of heating steam from heat exchangers with the temperature up to 125° C, for pumps Ks32-150 and Ks80-155 - with the temperature up to 160° C.

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Flow, m ³ /h	90
Head, m	155
Frequency, Hz	49
Frequency, rpm	2940
Power, kWt	75
Height of self-suction, m	-

Condensate removal pumps of KStype are intended for the feed of the back-pressure steam condensate of stationary steam turbines, of the condensate of heating steam from heat exchangers with the temperature up to 125° C, for pumps Ks32-150 and Ks80-155 - with the temperature up to 160° C.

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Flow, m ³ /h	120
Head, m	85
Frequency, Hz	49
Frequency, rpm	2940
Power, kWt	55
Height of self-suction, m	-

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Flow, m ³ /h	125
Head, m	45
Frequency, Hz	49,17
Frequency, rpm	2950
Power, kWt	30
Height of self-suction, m	-

Condensate removal pumps of KS type are intended for the feed of the back-pressure steam condensate of stationary steam turbines, of the condensate of heating steam from heat exchangers with the temperature up to 125° C, for pumps Ks32-150 and Ks80-155 - with the temperature up to 160° C.

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Flow, m ³ /h	125
Head, m	140
Frequency, Hz	49,17
Frequency, rpm	2950
Power, kWt	75
Height of self-suction, m	-

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Flow, m ³ /h	125
Head, m	100
Frequency, Hz	49,17
Frequency, rpm	2950
Power, kWt	110
Height of self-suction, m	-

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Flow, m ³ /h	200
Head, m	115
Frequency, Hz	49
Frequency, rpm	2940
Power, kWt	110
Height of self-suction, m	-

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Flow, m ³ /h	200
Head, m	220
Frequency, Hz	24,67
Frequency, rpm	1480
Power, kWt	250
Height of self-suction, m	-

Condensate removal pumps of KStype are intended for the feed of the back-pressure steam condensate of stationary steam turbines, of the condensate of heating steam from heat exchangers with the temperature up to 125° C, for pumps Ks32-150 and Ks80-155 - with the temperature up to 160° C.

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Flow, m ³ /h	320
Head, m	85
Frequency, Hz	24,67
Frequency, rpm	1480
Power, kWt	132
Height of self-suction, m	-

Condensate removal pumps of KStype are intended for the feed of the back-pressure steam condensate of stationary steam turbines, of the condensate of heating steam from heat exchangers with the temperature up to 125° C, for pumps Ks32-150 and Ks80-155 - with the temperature up to 160° C.

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Flow, m ³ /h	320
Head, m	50/160
Frequency, Hz	24,67
Frequency, rpm	1480
Power, kWt	315
Height of self-suction, m	-

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Flow, m ³ /h	500
Head, m	85
Frequency, Hz	16,42
Frequency, rpm	985
Power, kWt	200
Height of self-suction, m	-

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Flow, m ³ /h	500
Head, m	220
Frequency, Hz	24,67
Frequency, rpm	1480
Power, kWt	500
Height of self-suction, m	-

Condensate removal pumps of KStype are intended for the feed of the back-pressure steam condensate of stationary steam turbines, of the condensate of heating steam from heat exchangers with the temperature up to 125° C, for pumps Ks32-150 and Ks80-155 - with the temperature up to 160° C.

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Flow, m ³ /h	1250
Head, m	45
Frequency, Hz	24,67
Frequency, rpm	1480
Power, kWt	250
Height of self-suction, m	-

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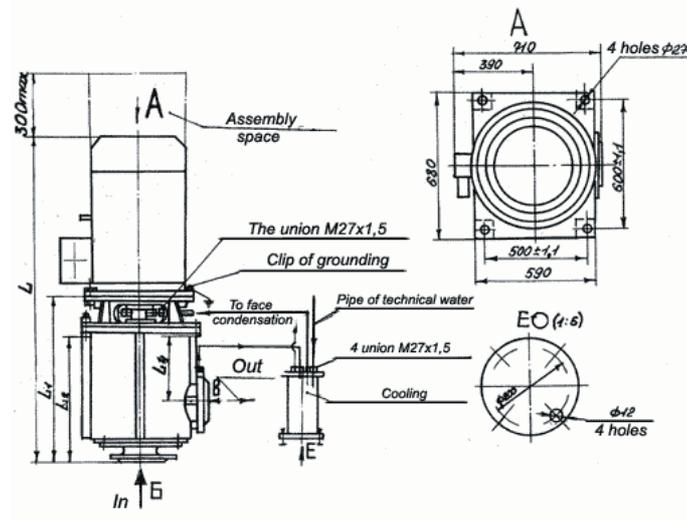
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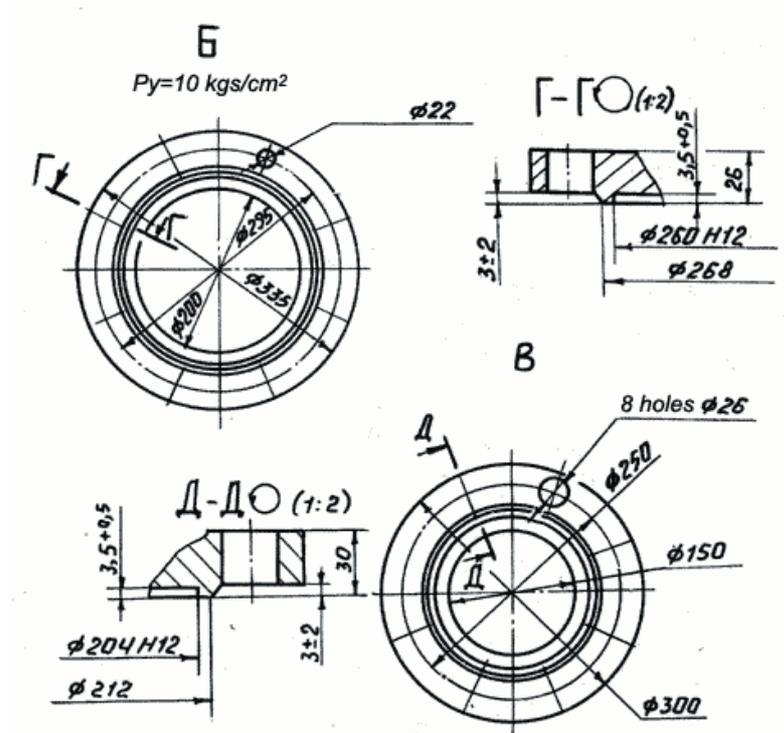
Flow, m ³ /h	125
Head, m	71
Frequency, Hz	48,33
Frequency, rpm	2900
Power, kWt	32
Height of self-suction, m	1

OVERALL AND MOUNTING DIMENSIONS OF THE PUMP UNIT



L	L1	L2	L3	L4	L5	L6	L7	Weight, kG
1365	665	520	-	225	-	-	-	1100

MOUNTING DIMENSIONS OF THE PUMP



Condensate removal pumps of KStype are intended for the feed of the back-pressure steam condensate of stationary steam turbines, of the condensate of heating steam from heat exchangers with the temperature up to 125° C, for pumps Ks32-150 and Ks80-155 - with the temperature up to 160° C.

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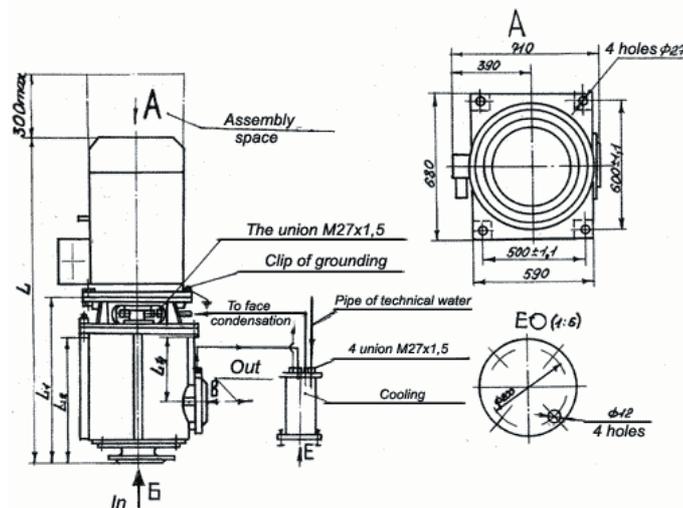
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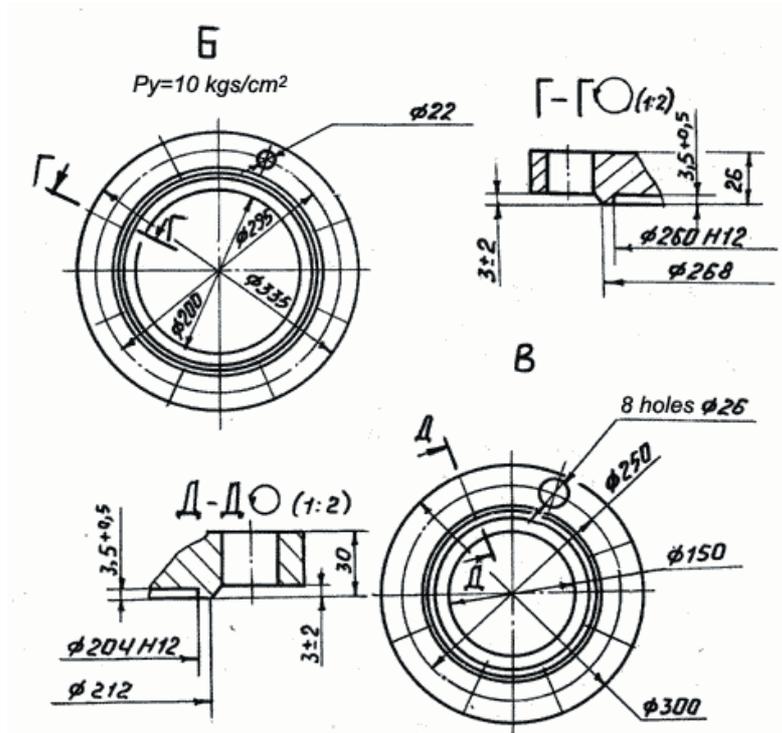
Flow, m ³ /h	100
Head, m	100
Frequency, Hz	48,33
Frequency, rpm	2900
Power, kWt	42
Height of self-suction, m	0,9

OVERALL AND MOUNTING DIMENSIONS OF THE PUMP UNIT



L	L1	L2	L3	L4	L5	L6	L7	Weight, kG
1590	765	620	-	325	-	-	-	1350

MOUNTING DIMENSIONS OF THE PUMP



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Flow, m ³ /h	315
Head, m	160
Frequency, Hz	48,33
Frequency, rpm	2900
Power, kWt	176
Height of self-suction, m	1,35

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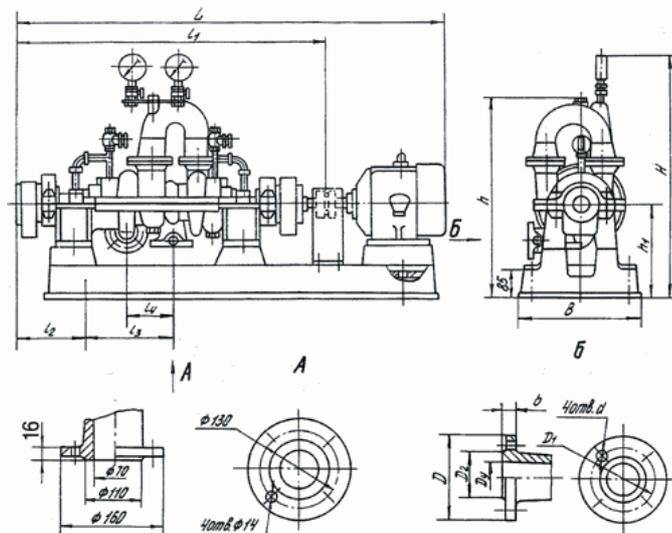
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Flow, m ³ /h	12
Head, m	50
Frequency, Hz	48,33
Frequency, rpm	2900
Power, kWt	5,5
Height of self-suction, m	1,6

OVERALL AND MOUNTING DIMENSIONS OF THE PUMP UNIT



el. motor	Power, kW	B	b	Dy	D	D1	D2	d	H	h	h1	L	l	l1	l2	l3	l4	l5	n	Weight, kG
AIR100L2	5,5	410	16	40	130	100	80	14	850	680	310	1400	1250	995	340	160	140	240	4	305

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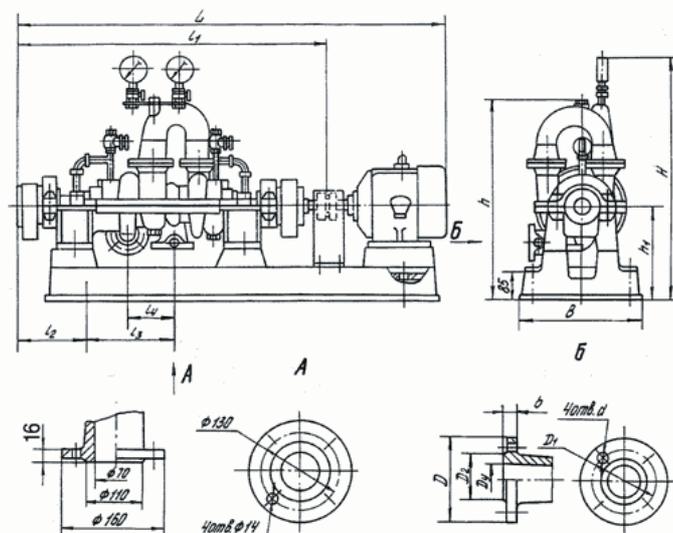
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Flow, m ³ /h	20
Head, m	50
Frequency, Hz	48,33
Frequency, rpm	2900
Power, kWt	7,5
Height of self-suction, m	1,8

OVERALL AND MOUNTING DIMENSIONS OF THE PUMP UNIT



el. motor	Power, kW	B	b	Dy	D	D1	D2	d	H	h	h1	L	l	l1	l2	l3	l4	l5	n	Weight, kG
AIR112M2, AIRM112M2	7,5	410	16	50	140	110	90	14	860	660	300	1455	1340	1013	345	155	145	250	4	320

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Flow, m ³ /h	50
Head, m	55
Frequency, Hz	48,67
Frequency, rpm	2920
Power, kWt	15
Height of self-suction, m	-

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Flow, m ³ /h	90
Head, m	220
Frequency, Hz	49
Frequency, rpm	2940
Power, kWt	110
Height of self-suction, m	-

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The pumps of II rise are single-stage, of spiral type, with the wheel of dual intake (horizontal and vertical). They are intended for the feed of the condensate with the temperature up to 60° C to deaerators of nuclear and heat power plans. They are used for pumping the condensate in steam networks of power plants.

Flow, m ³ /h	90
Head, m	220
Frequency, Hz	49
Frequency, rpm	2940
Power, kWt	110
Height of self-suction, m	-

Condensate removal pumps of KStype are intended for the feed of the back-pressure steam condensate of stationary steam turbines, of the condensate of heating steam from heat exchangers with the temperature up to 125° C, for pumps Ks32-150 and Ks80-155 - with the temperature up to 160° C.

The distinguishing characteristics of the condensate removal pumps are their good suction capabilities.

According to the structural criterion the condensate removal pumps, depending on the place of their installation in the power block, can be of I or II rises. The pupms of I rise are subdivided into group:

- horizontal, single-case, spiral type pumps, with one-side intake.
- horizontal split, single-case pumps.
- vertical split, double-case pumps (KsV).

The pumps of II rise are single-stage, of spiral type, with the wheel of dual intake (horizontal and vertical). They are intended for the feed of the condensate with the temperature up to 60° C to deaerators of nuclear and heat power plans. They are used for pumping the condensate in steam networks of power plants.

Flow, m ³ /h	125
Head, m	55
Frequency, Hz	49,17
Frequency, rpm	2950
Power, kWt	30
Height of self-suction, m	-

Condensate removal pumps of KStype are intended for the feed of the back-pressure steam condensate of stationary steam turbines, of the condensate of heating steam from heat exchangers with the temperature up to 125° C, for pumps Ks32-150 and Ks80-155 - with the temperature up to 160° C.

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Flow, m ³ /h	125
Head, m	40
Frequency, Hz	49,17
Frequency, rpm	2950
Power, kWt	75
Height of self-suction, m	

Condensate removal pumps of KStype are intended for the feed of the back-pressure steam condensate of stationary steam turbines, of the condensate of heating steam from heat exchangers with the temperature up to 125° C, for pumps Ks32-150 and Ks80-155 - with the temperature up to 160° C.

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Flow, m ³ /h	125
Head, m	125
Frequency, Hz	49,17
Frequency, rpm	2950
Power, kWt	55
Height of self-suction, m	-

Condensate removal pumps of KStype are intended for the feed of the back-pressure steam condensate of stationary steam turbines, of the condensate of heating steam from heat exchangers with the temperature up to 125° C, for pumps Ks32-150 and Ks80-155 - with the temperature up to 160° C.

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Flow, m ³ /h	200
Head, m	130
Frequency, Hz	49
Frequency, rpm	2940
Power, kWt	110
Height of self-suction, m	-

Condensate removal pumps of KStype are intended for the feed of the back-pressure steam condensate of stationary steam turbines, of the condensate of heating steam from heat exchangers with the temperature up to 125° C, for pumps Ks32-150 and Ks80-155 - with the temperature up to 160° C.

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Flow, m ³ /h	200
Head, m	99
Frequency, Hz	49
Frequency, rpm	2940
Power, kWt	250
Height of self-suction, m	-

Condensate removal pumps of KStype are intended for the feed of the back-pressure steam condensate of stationary steam turbines, of the condensate of heating steam from heat exchangers with the temperature up to 125° C, for pumps Ks32-150 and Ks80-155 - with the temperature up to 160° C.

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Flow, m ³ /h	200
Head, m	250
Frequency, Hz	24,75
Frequency, rpm	1485
Power, kWt	250
Height of self-suction, m	

Condensate removal pumps of KStype are intended for the feed of the back-pressure steam condensate of stationary steam turbines, of the condensate of heating steam from heat exchangers with the temperature up to 125° C, for pumps Ks32-150 and Ks80-155 - with the temperature up to 160° C.

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Flow, m ³ /h	320
Head, m	125
Frequency, Hz	24,67
Frequency, rpm	1480
Power, kWt	160
Height of self-suction, m	-

Condensate removal pumps of KStype are intended for the feed of the back-pressure steam condensate of stationary steam turbines, of the condensate of heating steam from heat exchangers with the temperature up to 125° C, for pumps Ks32-150 and Ks80-155 - with the temperature up to 160° C.

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Head, m	160
Frequency, Hz	24,67
Frequency, rpm	1480
Power, kWt	250
Height of self-suction, m	-

Condensate removal pumps of KStype are intended for the feed of the back-pressure steam condensate of stationary steam turbines, of the condensate of heating steam from heat exchangers with the temperature up to 125° C, for pumps Ks32-150 and Ks80-155 - with the temperature up to 160° C.

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Flow, m ³ /h	500
Head, m	150
Frequency, Hz	24,67
Frequency, rpm	1480
Power, kWt	315
Height of self-suction, m	

Condensate removal pumps of KStype are intended for the feed of the back-pressure steam condensate of stationary steam turbines, of the condensate of heating steam from heat exchangers with the temperature up to 125° C, for pumps Ks32-150 and Ks80-155 - with the temperature up to 160° C.

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- horizontal split, single-case pumps.
- vertical split, double-case pumps (CsV).

The pumps of II rise are single-stage, of spiral type, with the wheel of dual intake (horizontal and vertical). They are intended for the feed of the condensate with the temperature up to 60° C to deaerators of nuclear and heat power plants. They are used for pumping the condensate in steam networks of power plants.

Flow, m ³ /h	1150
Head, m	90
Frequency, Hz	24,67
Frequency, rpm	1480
Power, kWt	500
Height of self-suction, m	-

Condensate removal pumps of KStype are intended for the feed of the back-pressure steam condensate of stationary steam turbines, of the condensate of heating steam from heat exchangers with the temperature up to 125° C, for pumps Ks32-150 and Ks80-155 - with the temperature up to 160° C.

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- horizontal split, single-case pumps.
- vertical split, double-case pumps (KsV).

The pumps of II rise are single-stage, of spiral type, with the wheel of dual intake (horizontal and vertical). They are intended for the feed of the condensate with the temperature up to 60° C to deaerators of nuclear and heat power plans. They are used for pumping the condensate in steam networks of power plants.

Flow, m ³ /h	1500
Head, m	140
Frequency, Hz	24,67
Frequency, rpm	1480
Power, kWt	1000
Height of self-suction, m	-

Condensate removal pumps of KStype are intended for the feed of the back-pressure steam condensate of stationary steam turbines, of the condensate of heating steam from heat exchangers with the temperature up to 125° C, for pumps Ks32-150 and Ks80-155 - with the temperature up to 160° C.

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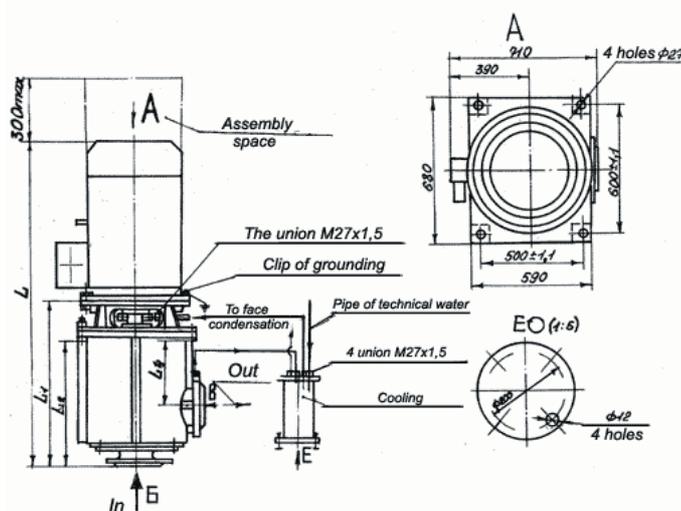
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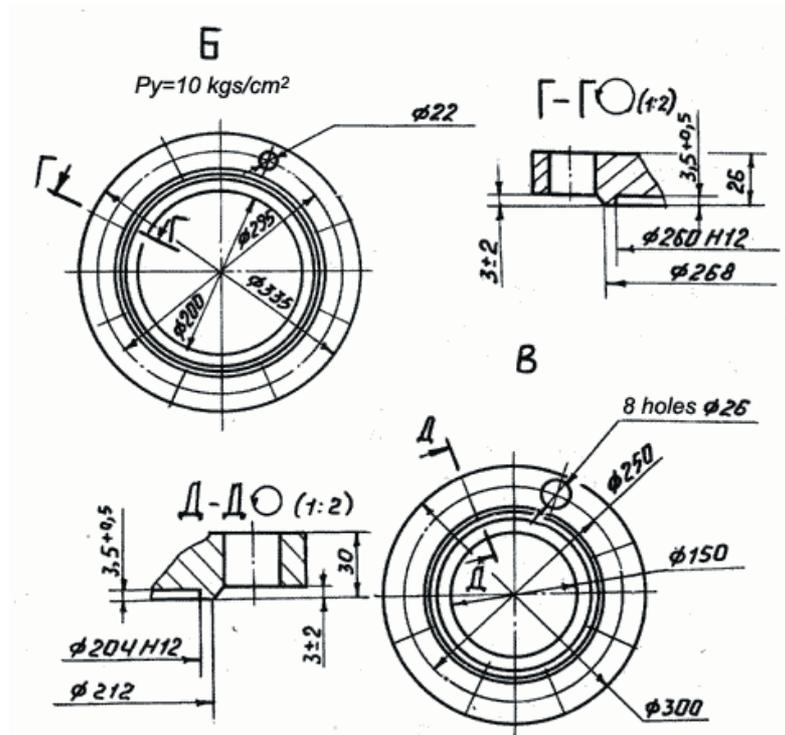
Flow, m ³ /h	125
Head, m	140
Frequency, Hz	48,33
Frequency, rpm	2900
Power, kWt	64
Height of self-suction, m	1

OVERALL AND MOUNTING DIMENSIONS OF THE PUMP UNIT



L	L1	L2	L3	L4	L5	L6	L7	Weight, kG
1590	765	620	-	325	-	-	-	1350

MOUNTING DIMENSIONS OF THE PUMP



Condensate removal pumps of KS type are intended for the feed of the back-pressure steam condensate of stationary steam turbines, of the condensate of heating steam from heat exchangers with the temperature up to 125° C, for pumps Ks32-150 and Ks80-155 - with the temperature up to 160° C.

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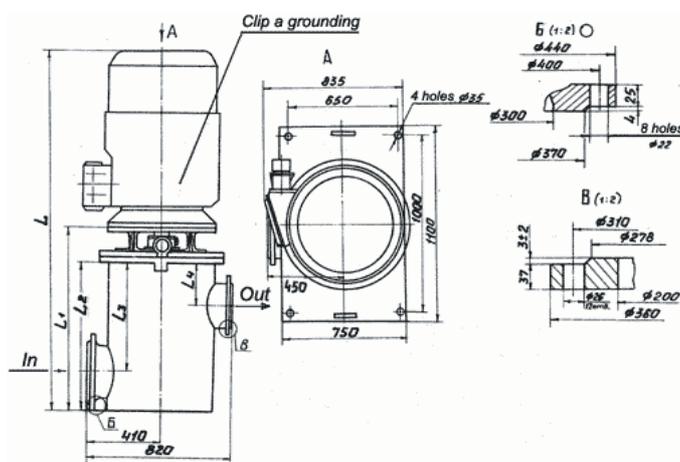
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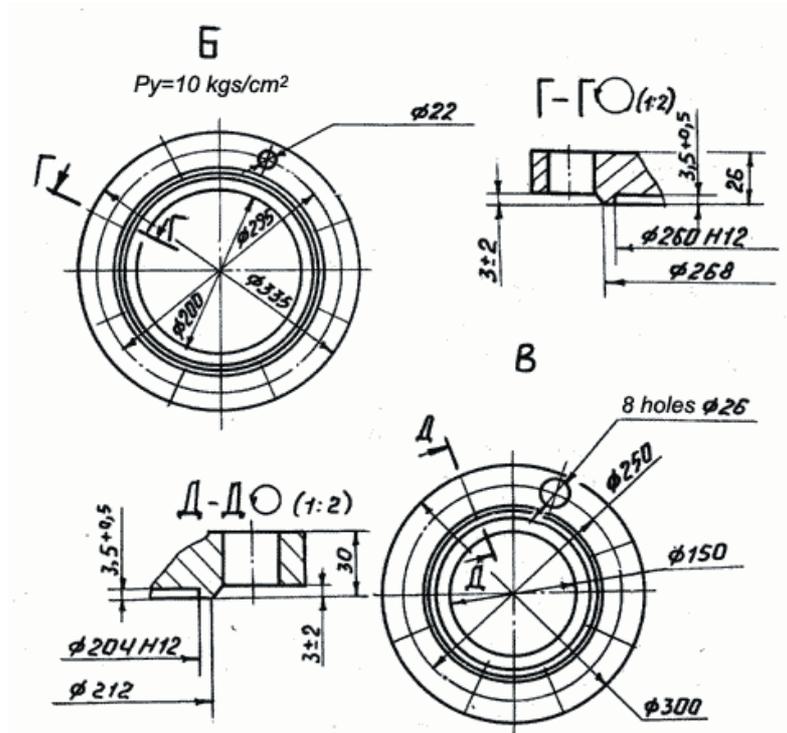
Flow, m ³ /h	315
Head, m	80
Frequency, Hz	48,33
Frequency, rpm	2900
Power, kWt	89
Height of self-suction, m	1,35

OVERALL AND MOUNTING DIMENSIONS OF THE PUMP UNIT



L	L1	L2	L3	L4	L5	L6	L7	Weight, kg
2150	1125	910	680	250	-	-	-	1700

MOUNTING DIMENSIONS OF THE PUMP



Condensate removal pumps of Ks type are intended for the feed of the back-pressure steam condensate of stationary steam turbines, of the condensate of heating steam from heat exchangers with the temperature up to 125° C, for pumps Ks32-150 and Ks80-155 - with the temperature up to 160° C.

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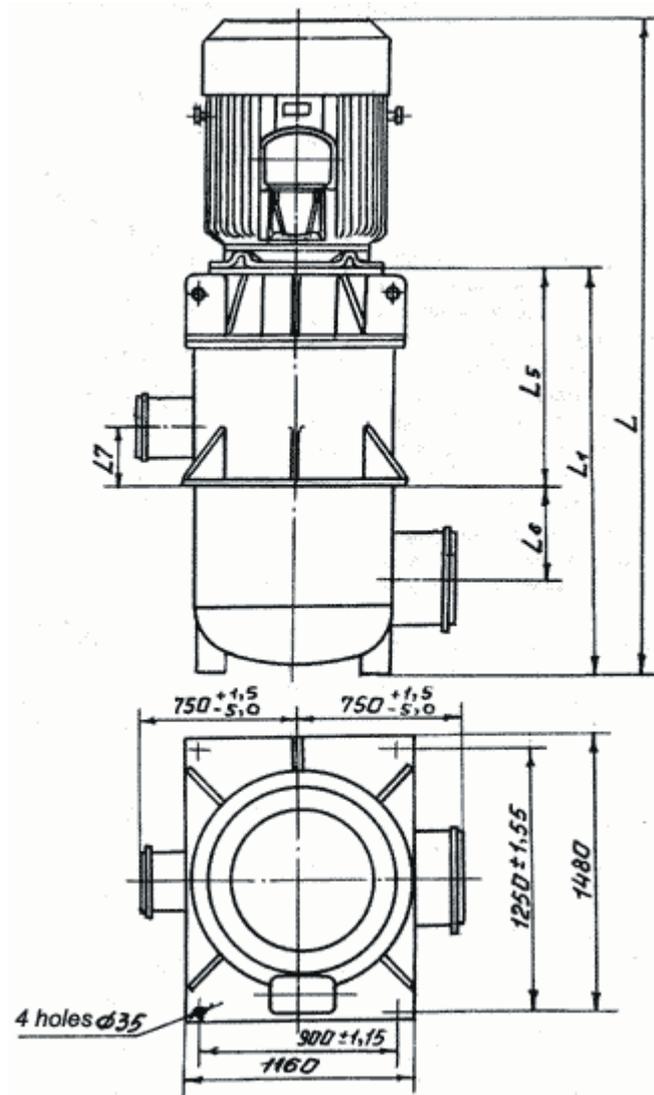
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The pumps of II rise are single-stage, of spiral type, with the wheel of dual intake (horizontal and vertical). They are intended for the feed of the condensate with the temperature up to 60° C to deaerators of nuclear and heat power plants. They are used for pumping the condensate in steam networks of power plants.

Flow, m ³ /h	500
Head, m	80
Frequency, Hz	24,17
Frequency, rpm	1450
Power, kWt	144
Height of self-suction, m	1,3

OVERALL AND MOUNTING DIMENSIONS OF THE PUMP UNIT



L	L1	L2	L3	L4	L5	L6	L7	Weight, kG
3180	1800	-	-	-	970	475	225	-

Condensate removal pumps of KStype are intended for the feed of the back-pressure steam condensate of stationary steam turbines, of the condensate of heating steam from heat exchangers with the temperature up to 125° C, for pumps Ks32-150 and Ks80-155 - with the temperature up to 160° C.

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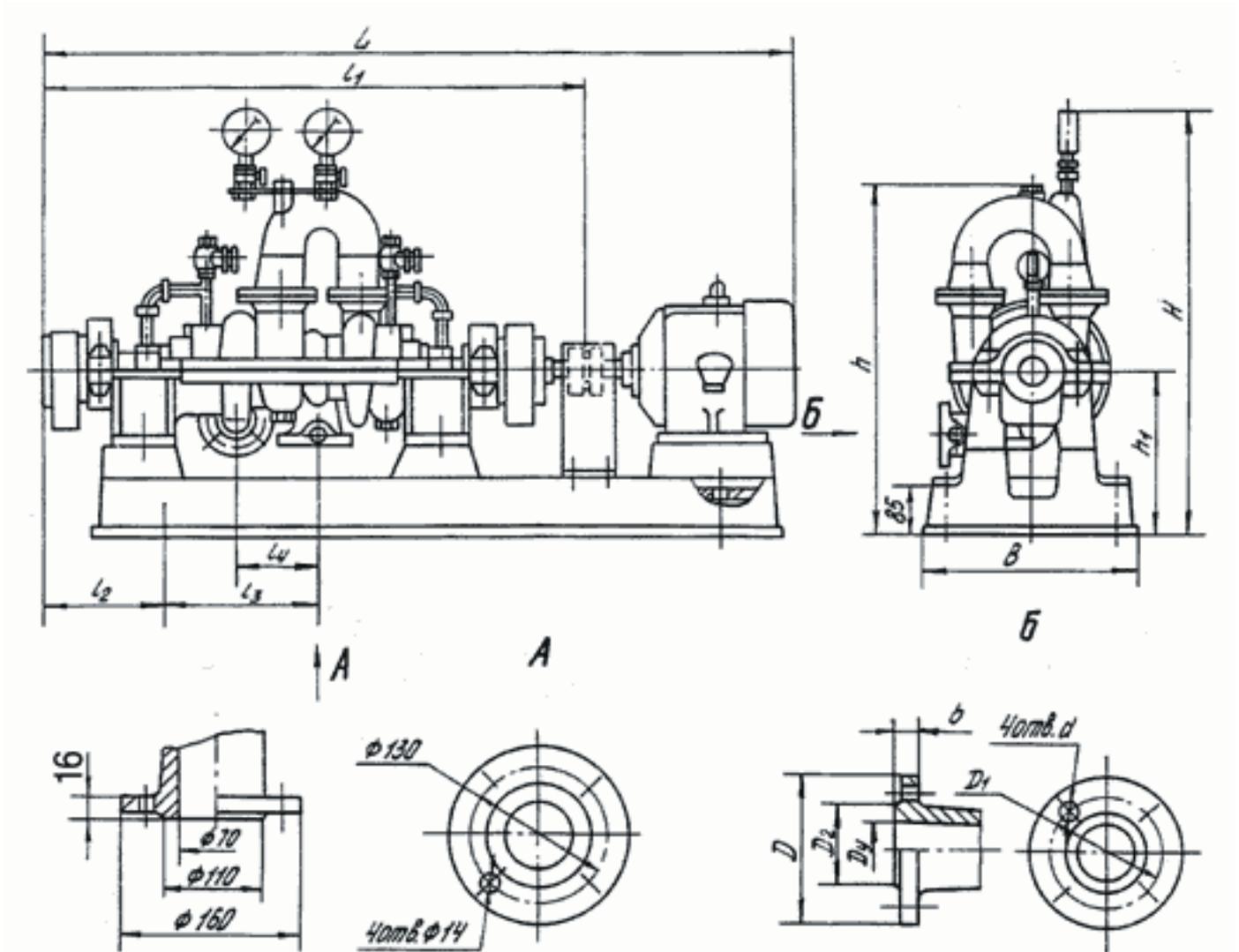
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Flow, m ³ /h	12
Head, m	110
Frequency, Hz	48,33
Frequency, rpm	2900
Power, kWt	11
Height of self-suction, m	1,6

OVERALL AND MOUNTING DIMENSIONS OF THE PUMP UNIT



el. motor	Power, kW	B	b	Dy	D	D1	D2	d	H	h	h1	L	l	l1	l2	l3	l4	l5	n	Weight, kG
AIR132M2, AIRM132M2	11	447	18	40	145	110	88	18	1020	860	310	1645	1455	1140	250	270	120	155	6	465
RA160MA2	11	447	18	40	145	110	88	18	1020	860	310	1745	1545	1140	250	270	120	155	6	515

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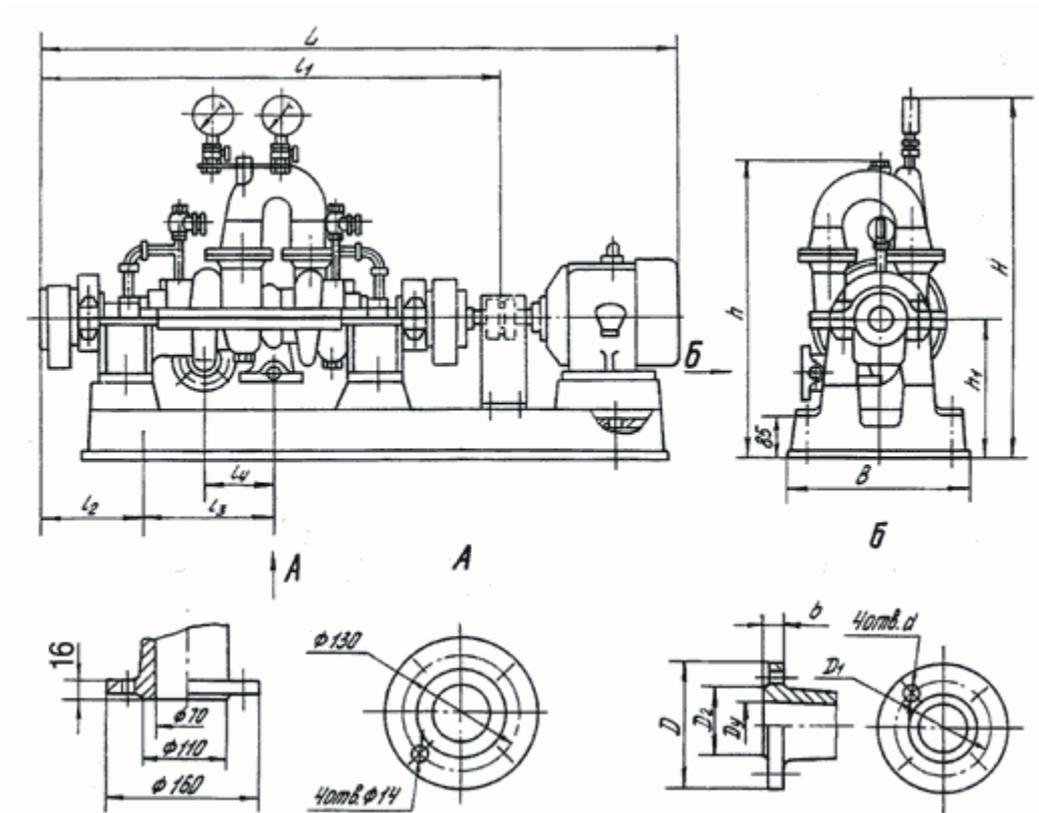
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Flow, m ³ /h	20
Head, m	110
Frequency, Hz	48,33
Frequency, rpm	2900
Power, kWt	18,5
Height of self-suction, m	1,8

OVERALL AND MOUNTING DIMENSIONS OF THE PUMP UNIT



el. motor	Power, kW	B	b	Dy	D	D1	D2	d	H	h	h1	L	l	l1	l2	l3	l4	l5	n	Weight, kG
AIR160M2	18,5	517	20	50	160	125	102	18	1025	880	320	1875	1630	1210	250	300	140	155	6	550

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