

APPLICATION

Centrifugal, vortex, cradle-mounted, horizontal, two-stage (the 1st stage is a centrifugal wheel, the 2nd stage is a vortex wheel) pumps are intended for pumping water and other neutral liquids with the temperature from -15° to 105°C , containing hard insertions of the size up to 0,05 mm, with the concentration in mass not more than 0,001%.

They are used in the systems of hot and cold water supply.



DESCRIPTION

Structurally they represent the console horizontal pump with two driving wheels. The driving wheel of the first step - centrifugal, second step - vortical. Such combination allows to receive with the help of the first step normal conditions suction (available height of self-suction - 7m), and with the help of the second step - high pressure.

Material of a flowing part - pig-iron, vortical wheel - steel 35L. Condensation of the shaft - face, the installation with soft stuffing is possible.

The pumps can be completed by electric motors in explosion-protective type design.

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

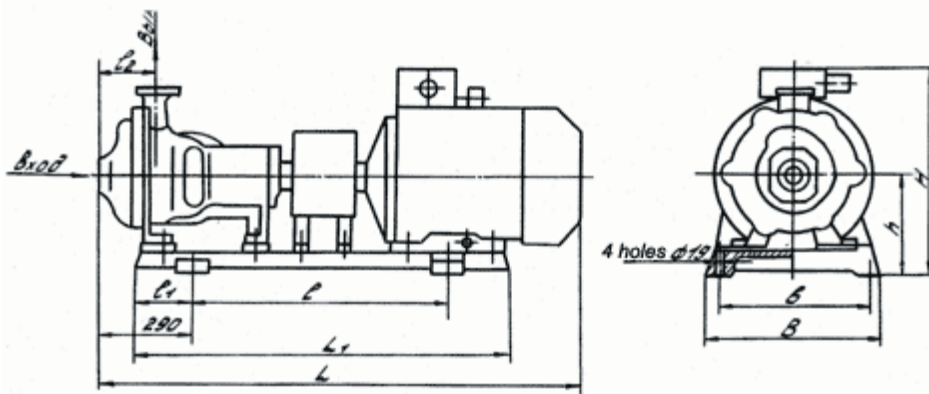
| The mark of the pump | Flow, m ³ h | Head, m | The mark of the pump | Flow, m ³ h | Head, m |
|-----------------------------|------------------------|---------|---------------------------|------------------------|---------|
| CVK 4/112 | 14,4 | 112 | CVK 5/125 | 18 | 125 |
| CVK 6,3/160 | 22,7 | 160 | | | |

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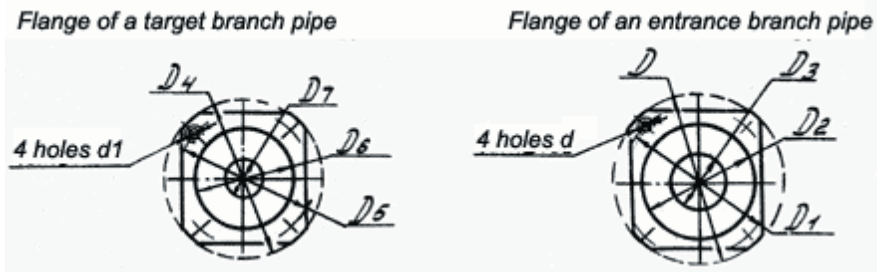
| | |
|---------------------------|-------|
| Flow, m ³ /h | 14,4 |
| Head, m | 112 |
| Frequency, Hz | 49,17 |
| Frequency, rpm | 2950 |
| Power, kWt | 18 |
| Height of self-suction, m | 2,6 |

OVERALL AND MOUNTING DIMENSIONS OF THE PUMP UNIT



| The mark of el. motor | Power, kW | L | L1 | l | l1 | l2 | B | b | H | h | Weight, kG |
|-----------------------|-----------|------|-----|-----|-----|-----|-----|-----|-----|-----|------------|
| 4AM160M2 | 18,5 | 1340 | 960 | 600 | 180 | 155 | 360 | 320 | 525 | 255 | 275 |
| AIR160M2 | 18,5 | 1225 | 960 | 600 | 180 | 155 | 360 | 320 | 480 | 255 | 215 |
| AIM160M2P | 18,5 | 1235 | 960 | 600 | 180 | 155 | 360 | 320 | 515 | 255 | 375 |
| 4AM180S2 | 22 | 1322 | 960 | 600 | 180 | 155 | 360 | 320 | 545 | 255 | 303 |
| AIR180S2 | 22 | 1195 | 960 | 600 | 180 | 155 | 360 | 320 | 515 | 255 | 295 |
| AIM180S2P | 22 | 1265 | 960 | 600 | 180 | 155 | 360 | 320 | 610 | 255 | 345 |

MOUNTING DIMENSIONS OF THE PUMP



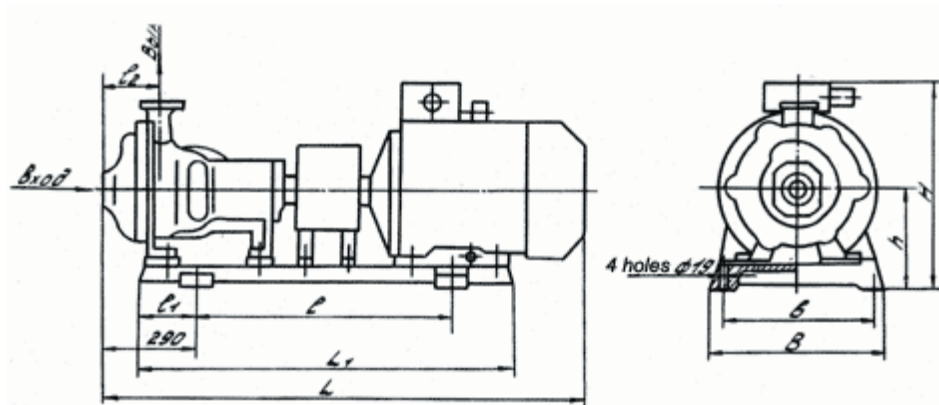
| D | D1 | D2 | D3 | D4 | D5 | D6 | D7 | d | d1 |
|-----|-----|-----|----|-----|-----|-----|----|----|----|
| 160 | 130 | 110 | 65 | 160 | 125 | 102 | 50 | 12 | 16 |

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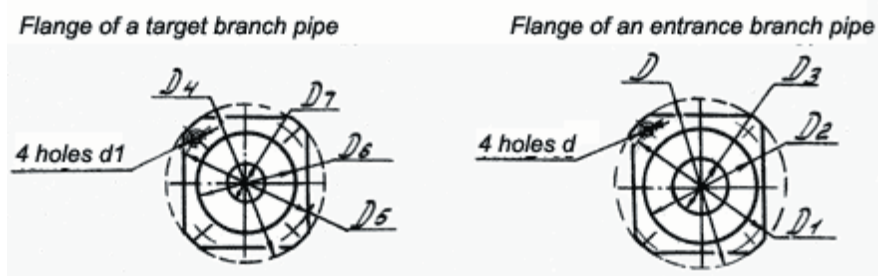
| | |
|---------------------------|-------|
| Flow, m ³ /h | 22,7 |
| Head, m | 160 |
| Frequency, Hz | 49,17 |
| Frequency, rpm | 2950 |
| Power, kWt | 29 |
| Height of self-suction, m | 3 |

OVERALL AND MOUNTING DIMENSIONS OF THE PUMP UNIT



| The mark of el. motor | Power, kW | L | L1 | l | l1 | l2 | B | b | H | h | Weight, kG |
|-----------------------|-----------|------|-----|-----|-----|-----|-----|-----|-----|-----|------------|
| 4AM180M2 | 30 | 1362 | 960 | 600 | 180 | 155 | 360 | 320 | 545 | 255 | 313 |
| AIR180M2 | 30 | 1245 | 960 | 600 | 180 | 155 | 360 | 320 | 615 | 255 | 315 |
| AIM180M2P | 30 | 1315 | 960 | 600 | 180 | 155 | 360 | 320 | 610 | 255 | 375 |
| 4AM200M2 | 37 | 1375 | 960 | 600 | 180 | 155 | 360 | 320 | 615 | 255 | 385 |

MOUNTING DIMENSIONS OF THE PUMP



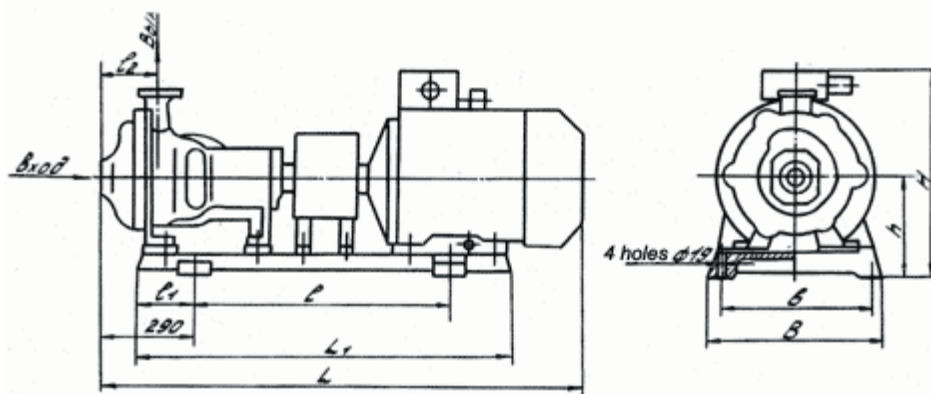
| D | D1 | D2 | D3 | D4 | D5 | D6 | D7 | d | d1 |
|-----|-----|-----|----|-----|-----|-----|----|----|----|
| 160 | 130 | 110 | 65 | 160 | 125 | 102 | 50 | 12 | 16 |

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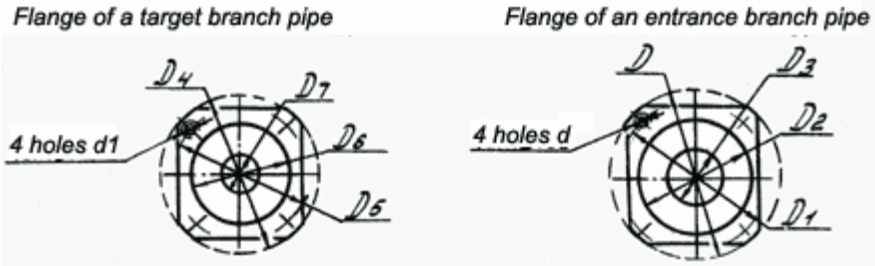
| | |
|---------------------------|-------|
| Flow, m ³ /h | 18 |
| Head, m | 125 |
| Frequency, Hz | 49,17 |
| Frequency, rpm | 2950 |
| Power, kWt | 21,5 |
| Height of self-suction, m | 2,8 |

OVERALL AND MOUNTING DIMENSIONS OF THE PUMP UNIT



| The mark of el. motor | Power, kW | L | L1 | l | l1 | l2 | B | b | H | h | Weight, kG |
|-----------------------|-----------|------|-----|-----|-----|-----|-----|-----|-----|-----|------------|
| 4AM180S2 | 22 | 1322 | 960 | 600 | 180 | 155 | 360 | 320 | 545 | 255 | 303 |
| AIR180S2 | 22 | 1195 | 960 | 600 | 180 | 155 | 360 | 320 | 515 | 255 | 345 |
| AIM180S2P | 22 | 1265 | 960 | 600 | 180 | 155 | 360 | 320 | 610 | 255 | 345 |
| 4AM180M2 | 30 | 1362 | 960 | 600 | 180 | 155 | 360 | 320 | 545 | 255 | 313 |
| AIR180M2 | 30 | 1245 | 960 | 600 | 180 | 155 | 360 | 320 | 515 | 255 | 315 |
| AIM180M2P | 30 | 1312 | 960 | 600 | 180 | 155 | 360 | 320 | 610 | 255 | 375 |

MOUNTING DIMENSIONS OF THE PUMP



| D | D1 | D2 | D3 | D4 | D5 | D6 | D7 | d | d1 |
|-----|-----|-----|----|-----|-----|-----|----|----|----|
| 160 | 130 | 110 | 65 | 160 | 125 | 102 | 50 | 12 | 16 |

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