## APPLICATION

Submersible electric pump unit of ECV type for wells are intended for the rise of water of general mineral content (dry constituent) not more than 1500 mg/l, pH 6,5-9,5, the temperature 25°C, with a mass share of hard mechanical admixtures not more than 350 mg/l, of sulphate - not more than 500 mg/l, hydrogen sulphide - not more than 1,5 mg/l.

— Version1. Pump with the working wheels fixed on the shaft. Axial hydraulic stress is taken in by the supporting device, located in the electric motor. The casing of blade taps are formed.

— Version2. The casing of blade taps are cylindrical, made of pipes with disks, which fix the taps in the axial direction, separate the inter-stage chambers and form slotted sealing of the working wheels.

— Version3. Pumps with cast (trap) blade taps. The stages of the pumps are of a semi-axle type. The working wheels are fixed on the shaft. — Version4. Mono-block electric pump units (the working wheel is located on the shaft of the electric motor).

— Version H, G, Tr and their combinations can be applied in tougher working conditions, determined in the every concrete case in the specifications for a concrete unit.

They are used for the rise of pure water for urban, industrial and agricultural water supply from artesian wells.

## DESCRIPTION

The unit consists of the centrifugal pump and deep-well of the electric motor. The shaft pumps and engine are connected to the muft of a rigid type.

The axial forces arising at work of the pump, are perceived in unit electric motor. The valve, located in the top part of the pump, serves for deduction of a pole of a liquid in pipes at stops of the pump and provides smooth start at repeated start-up.

Deep-well the electric motor three-phase asynchronous with squirrel-cage rotor. The internal cavity before work is filled distilled or clear drinking water. The inclusion of the engine not filled with water will result in an out of operation.

The winding of the engine is executed by a waterproof wire, the places of connection are isolated by a waterproof sticky tape. The rotor of the engine rotates in rubber-metal bearings and bases on unit electric motor, which is executed from rubber or grafitftoroplast. The filter in the top part of the engine serves for protection against hit of sand in an internal cavity, and also for indemnification of thermal expansion of water filling the engine.

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

| The mark of the pump | Flow, m³/h | Head, m | The mark of the pump | Flow, m³/h | Head, m |
|---|---|---|---|---|---|
| ECV4-10-115 | 10 | 115 | ECV5-4-125 | 4 | 125 |
| ECV5-6,3-80 | 6,3 | 80 | ECV6-4-130 | 4 | 130 |
| ECV6-4-190 | 4 | 190 | ECV6-6,3-85 | 6,3 | 85 |
| ECV6-6,3-125 | 6,3 | 125 | ECV6-10-80 | 10 | 80 |
| ECV6-10-110 | 10 | 110 | ECV6-10-140 | 10 | 140 |
| ECV6-10-185 | 10 | 185 | ECV6-10-235 | 10 | 235 |
| ECV6-16-75 | 16 | 75 | ECV6-16-110 | 16 | 110 |
| ECV6-16-140 | 16 | 140 | ECV8-25-100 | 25 | 100 |
| ECV8-25-150 | 25 | 150 | ECV8-25-300 | 25 | 300 |
| ECV8-40-60 | 40 | 60 | ECV8-40-90 | 40 | 90 |
| ECV8-40-120 | 40 | 120 | ECV8-40-180 | 40 | 180 |
| ECV10-63-65 | 63 | 65 | ECV10-63-110 | 63 | 110 |
| ECV10-63-150 | 63 | 150 | ECV10-63-270 | 63 | 270 |
| ECV10-120-60 | 120 | 60 | ECV10-160-35 | 160 | 35 |
| ECV12-160-65 | 160 | 65 | ECV12-160-100 | 160 | 100 |
| ECV12-160-140 | 160 | 140 | ECV12-210-25 | 210 | 25 |
| ECV12-255-30 | 255 | 30 | | | |

Submersible electric pump units of ECV type for wells are intended for the rise of water of general mineral content (dry constituent) not more than 1500 mg/l, pH= 6,5-9,5, the temperature 25° C, with a mass share of hard mechanical admixtures not more than 350 mg/l, of sulphates - not more than 500mg/l, hydrogen sulphide - not more than 1,5 mg/l.

Version 1. Pumps with the working wheels fixed on the shaft. Axial hydraulic stress is taken in by the supporting device, located in the electric motor. The casings of blade taps are formed.

Version 2. The casings of blade taps are cylindrical, made of pipes with disks, which fix the taps in the axial direction, separate the inter-stage chambers and form slotted sealing of the working wheels.

Version 3. Pumps with cast (trap) blade taps. The stages of the pumps are of a semi-axle type. The working wheels are fixed on the shaft.

Version 4. Mono-block electric pump units (the working wheel is located on the shaft of the electric motor).

They are used for the rise of pure water for urban, industrial and agricultural water supply from artesian wells.

| | |
|---|---|
| Flow, $m^3/h$ | 10 |
| Head, m | 115 |
| Frequency, Hz | 50 |
| Frequency, rpm | 3000 |
| Power, kWt | 5,5 |
| Height of self-suction, m | - |

# OVERALL AND MOUNTING DIMENSIONS OF THE PUMP UNIT

| **Length, mm** | Diametr max, mm | Weight, kG |
|---|---|---|
| 2630 | 100 | 41 |

Submersible electric pump units of ECV type for wells are intended for the rise of water of general mineral content (dry constituent) not more than 1500 mg/l, pH= 6,5-9,5, the temperature 25° C, with a mass share of hard mechanical admixtures not more than 350 mg/l, of sulphates - not more than 500mg/l, hydrogen sulphide - not more than 1,5 mg/l.

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Version 4. Mono-block electric pump units (the working wheel is located on the shaft of the electric motor).

They are used for the rise of pure water for urban, industrial and agricultural water supply from artesian wells.

| | |
|---|---|
| Flow, m3/h | 6,3 |
| Head, m | 80 |
| Frequency, Hz | 50 |
| Frequency, rpm | 3000 |
| Power, kWt | 2,8 |
| Height of self-suction, m | - |

# OVERALL AND MOUNTING DIMENSIONS OF THE PUMP UNIT

| **Length, mm** | Diametr max, mm | Weight, kG |
|---|---|---|
| 1650 | 125 | 59 |

Submersible electric pump units of ECV type for wells are intended for the rise of water of general mineral content (dry constituent) not more than 1500 mg/l, pH= 6,5-9,5, the temperature 25° C, with a mass share of hard mechanical admixtures not more than 350 mg/l, of sulphates - not more than 500mg/l, hydrogen sulphide - not more than 1,5 mg/l.

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| | |
|---|---|
| Flow, $m^3/h$ | 4 |
| Head, m | 190 |
| Frequency, Hz | 50 |
| Frequency, rpm | 3000 |
| Power, kWt | 4,5 |
| Height of self-suction, m | - |

# OVERALL AND MOUNTING DIMENSIONS OF THE PUMP UNIT

| **Length, mm** | Diametr max, mm | Weight, kG |
|---|---|---|
| 2000 | 145 | 95 |

Submersible electric pump units of ECV type for wells are intended for the rise of water of general mineral content (dry constituent) not more than 1500 mg/l, pH= 6,5-9,5, the temperature 25° C, with a mass share of hard mechanical admixtures not more than 350 mg/l, of sulphates - not more than 500mg/l, hydrogen sulphide - not more than 1,5 mg/l.

Version 1. Pumps with the working wheels fixed on the shaft. Axial hydraulic stress is taken in by the supporting device, located in the electric motor. The casings of blade taps are formed.

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Version 4. Mono-block electric pump units (the working wheel is located on the shaft of the electric motor).

They are used for the rise of pure water for urban, industrial and agricultural water supply from artesian wells.

| | |
|---|---|
| Flow, $m^3/h$ | 6,3 |
| Head, m | 125 |
| Frequency, Hz | 50 |
| Frequency, rpm | 3000 |
| Power, kWt | 4,5 |
| Height of self-suction, m | - |

# OVERALL AND MOUNTING DIMENSIONS OF THE PUMP UNIT

| **Length, mm** | Diametr max, mm | Weight, kG |
|---|---|---|
| 1910 | 145 | 73 |

Submersible electric pump units of ECV type for wells are intended for the rise of water of general mineral content (dry constituent) not more than 1500 mg/l, pH= 6,5-9,5, the temperature 25° C, with a mass share of hard mechanical admixtures not more than 350 mg/l, of sulphates - not more than 500mg/l, hydrogen sulphide - not more than 1,5 mg/l.

Version 1. Pumps with the working wheels fixed on the shaft. Axial hydraulic stress is taken in by the supporting device, located in the electric motor. The casings of blade taps are formed.

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Version 4. Mono-block electric pump units (the working wheel is located on the shaft of the electric motor).

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| | |
|---|---|
| Flow, $m^3/h$ | 10 |
| Head, m | 110 |
| Frequency, Hz | 50 |
| Frequency, rpm | 3000 |
| Power, kWt | 5,5 |
| Height of self-suction, m | - |

# OVERALL AND MOUNTING DIMENSIONS OF THE PUMP UNIT

| **Length, mm** | Diametr max, mm | Weight, kG |
|---|---|---|
| 1700 | 145 | 85 |

Submersible electric pump units of ECV type for wells are intended for the rise of water of general mineral content (dry constituent) not more than 1500 mg/l, pH= 6,5-9,5, the temperature 25° C, with a mass share of hard mechanical admixtures not more than 350 mg/l, of sulphates - not more than 500mg/l, hydrogen sulphide - not more than 1,5 mg/l.

Version 1. Pumps with the working wheels fixed on the shaft. Axial hydraulic stress is taken in by the supporting device, located in the electric motor. The casings of blade taps are formed.

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Version 4. Mono-block electric pump units (the working wheel is located on the shaft of the electric motor).

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| | |
|---|---|
| Flow, $m^3/h$ | 10 |
| Head, m | 185 |
| Frequency, Hz | 50 |
| Frequency, rpm | 3000 |
| Power, kWt | 8 |
| Height of self-suction, m | - |

# OVERALL AND MOUNTING DIMENSIONS OF THE PUMP UNIT

| **Length, mm** | Diametr max, mm | Weight, kG |
|---|---|---|
| 2280 | 145 | 110 |

Submersible electric pump units of ECV type for wells are intended for the rise of water of general mineral content (dry constituent) not more than 1500 mg/l, pH= 6,5-9,5, the temperature 25° C, with a mass share of hard mechanical admixtures not more than 350 mg/l, of sulphates - not more than 500mg/l, hydrogen sulphide - not more than 1,5 mg/l.

Version 1. Pumps with the working wheels fixed on the shaft. Axial hydraulic stress is taken in by the supporting device, located in the electric motor. The casings of blade taps are formed.

Version 2. The casings of blade taps are cylindrical, made of pipes with disks, which fix the taps in the axial direction, separate the inter-stage chambers and form slotted sealing of the working wheels.

Version 3. Pumps with cast (trap) blade taps. The stages of the pumps are of a semi-axle type. The working wheels are fixed on the shaft.

Version 4. Mono-block electric pump units (the working wheel is located on the shaft of the electric motor).

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| | |
|---|---|
| Flow, $m^3/h$ | 16 |
| Head, m | 75 |
| Frequency, Hz | 50 |
| Frequency, rpm | 3000 |
| Power, kWt | 5,5 |
| Height of self-suction, m | - |

# OVERALL AND MOUNTING DIMENSIONS OF THE PUMP UNIT

| **Length, mm** | Diametr max, mm | Weight, kG |
|---|---|---|
| 1700 | 145 | 86 |

Submersible electric pump units of ECV type for wells are intended for the rise of water of general mineral content (dry constituent) not more than 1500 mg/l, pH= 6,5-9,5, the temperature 25° C, with a mass share of hard mechanical admixtures not more than 350 mg/l, of sulphates - not more than 500mg/l, hydrogen sulphide - not more than 1,5 mg/l.

Version 1. Pumps with the working wheels fixed on the shaft. Axial hydraulic stress is taken in by the supporting device, located in the electric motor. The casings of blade taps are formed.

Version 2. The casings of blade taps are cylindrical, made of pipes with disks, which fix the taps in the axial direction, separate the inter-stage chambers and form slotted sealing of the working wheels.

Version 3. Pumps with cast (trap) blade taps. The stages of the pumps are of a semi-axle type. The working wheels are fixed on the shaft.

Version 4. Mono-block electric pump units (the working wheel is located on the shaft of the electric motor).

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| | |
|---|---|
| Flow, $m^3/h$ | 16 |
| Head, m | 140 |
| Frequency, Hz | 50 |
| Frequency, rpm | 3000 |
| Power, kWt | 11 |
| Height of self-suction, m | - |

# OVERALL AND MOUNTING DIMENSIONS OF THE PUMP UNIT

| **Length, mm** | Diametr max, mm | Weight, kG |
|---|---|---|
| 1765 | 145 | 146 |

Submersible electric pump units of ECV type for wells are intended for the rise of water of general mineral content (dry constituent) not more than 1500 mg/l, pH= 6,5-9,5, the temperature 25° C, with a mass share of hard mechanical admixtures not more than 350 mg/l, of sulphates - not more than 500mg/l, hydrogen sulphide - not more than 1,5 mg/l.

Version 1. Pumps with the working wheels fixed on the shaft. Axial hydraulic stress is taken in by the supporting device, located in the electric motor. The casings of blade taps are formed.

Version 2. The casings of blade taps are cylindrical, made of pipes with disks, which fix the taps in the axial direction, separate the inter-stage chambers and form slotted sealing of the working wheels.

Version 3. Pumps with cast (trap) blade taps. The stages of the pumps are of a semi-axle type. The working wheels are fixed on the shaft.

Version 4. Mono-block electric pump units (the working wheel is located on the shaft of the electric motor).

They are used for the rise of pure water for urban, industrial and agricultural water supply from artesian wells.

| | |
|---|---|
| Flow, $m^3/h$ | 25 |
| Head, m | 150 |
| Frequency, Hz | 50 |
| Frequency, rpm | 3000 |
| Power, kWt | 16 |
| Height of self-suction, m | - |

# OVERALL AND MOUNTING DIMENSIONS OF THE PUMP UNIT

| **Length, mm** | Diametr max, mm | Weight, kG |
|---|---|---|
| 2128 | 186 | 160 |

Submersible electric pump units of ECV type for wells are intended for the rise of water of general mineral content (dry constituent) not more than 1500 mg/l, pH= 6,5-9,5, the temperature 25° C, with a mass share of hard mechanical admixtures not more than 350 mg/l, of sulphates - not more than 500mg/l, hydrogen sulphide - not more than 1,5 mg/l.

Version 1. Pumps with the working wheels fixed on the shaft. Axial hydraulic stress is taken in by the supporting device, located in the electric motor. The casings of blade taps are formed.

Version 2. The casings of blade taps are cylindrical, made of pipes with disks, which fix the taps in the axial direction, separate the inter-stage chambers and form slotted sealing of the working wheels.

Version 3. Pumps with cast (trap) blade taps. The stages of the pumps are of a semi-axle type. The working wheels are fixed on the shaft.

Version 4. Mono-block electric pump units (the working wheel is located on the shaft of the electric motor).

They are used for the rise of pure water for urban, industrial and agricultural water supply from artesian wells.

| | |
|---|---|
| Flow, m3/h | 40 |
| Head, m | 60 |
| Frequency, Hz | 50 |
| Frequency, rpm | 3000 |
| Power, kWt | 11 |
| Height of self-suction, m | - |

# OVERALL AND MOUNTING DIMENSIONS OF THE PUMP UNIT

| **Length, mm** | Diametr max, mm | Weight, kG |
|---|---|---|
| 163 | 186 | 145 |

Submersible electric pump units of ECV type for wells are intended for the rise of water of general mineral content (dry constituent) not more than 1500 mg/l, pH= 6,5-9,5, the temperature 25° C, with a mass share of hard mechanical admixtures not more than 350 mg/l, of sulphates - not more than 500mg/l, hydrogen sulphide - not more than 1,5 mg/l.

Version 1. Pumps with the working wheels fixed on the shaft. Axial hydraulic stress is taken in by the supporting device, located in the electric motor. The casings of blade taps are formed.

Version 2. The casings of blade taps are cylindrical, made of pipes with disks, which fix the taps in the axial direction, separate the inter-stage chambers and form slotted sealing of the working wheels.

Version 3. Pumps with cast (trap) blade taps. The stages of the pumps are of a semi-axle type. The working wheels are fixed on the shaft.

Version 4. Mono-block electric pump units (the working wheel is located on the shaft of the electric motor).

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| | |
|---|---|
| Flow, m3/h | 40 |
| Head, m | 120 |
| Frequency, Hz | 50 |
| Frequency, rpm | 3000 |
| Power, kWt | 22 |
| Height of self-suction, m | - |

# OVERALL AND MOUNTING DIMENSIONS OF THE PUMP UNIT

| **Length, mm** | Diametr max, mm | Weight, kG |
|---|---|---|
| 163 | 186 | 145 |

Submersible electric pump units of ECV type for wells are intended for the rise of water of general mineral content (dry constituent) not more than 1500 mg/l, pH= 6,5-9,5, the temperature 25° C, with a mass share of hard mechanical admixtures not more than 350 mg/l, of sulphates - not more than 500mg/l, hydrogen sulphide - not more than 1,5 mg/l.

Version 1. Pumps with the working wheels fixed on the shaft. Axial hydraulic stress is taken in by the supporting device, located in the electric motor. The casings of blade taps are formed.

Version 2. The casings of blade taps are cylindrical, made of pipes with disks, which fix the taps in the axial direction, separate the inter-stage chambers and form slotted sealing of the working wheels.

Version 3. Pumps with cast (trap) blade taps. The stages of the pumps are of a semi-axle type. The working wheels are fixed on the shaft.

Version 4. Mono-block electric pump units (the working wheel is located on the shaft of the electric motor).

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| | |
|---|---|
| Flow, m3/h | 63 |
| Head, m | 65 |
| Frequency, Hz | 50 |
| Frequency, rpm | 3000 |
| Power, kWt | 22 |
| Height of self-suction, m | - |

# OVERALL AND MOUNTING DIMENSIONS OF THE PUMP UNIT

| **Length, mm** | Diametr max, mm | Weight, kG |
|---|---|---|
| 1618 | 235 | 200 |

Submersible electric pump units of ECV type for wells are intended for the rise of water of general mineral content (dry constituent) not more than 1500 mg/l, pH= 6,5-9,5, the temperature 25° C, with a mass share of hard mechanical admixtures not more than 350 mg/l, of sulphates - not more than 500mg/l, hydrogen sulphide - not more than 1,5 mg/l.

Version 1. Pumps with the working wheels fixed on the shaft. Axial hydraulic stress is taken in by the supporting device, located in the electric motor. The casings of blade taps are formed.

Version 2. The casings of blade taps are cylindrical, made of pipes with disks, which fix the taps in the axial direction, separate the inter-stage chambers and form slotted sealing of the working wheels.

Version 3. Pumps with cast (trap) blade taps. The stages of the pumps are of a semi-axle type. The working wheels are fixed on the shaft.

Version 4. Mono-block electric pump units (the working wheel is located on the shaft of the electric motor).

They are used for the rise of pure water for urban, industrial and agricultural water supply from artesian wells.

| | |
|---|---|
| Flow, m3/h | 63 |
| Head, m | 150 |
| Frequency, Hz | 50 |
| Frequency, rpm | 3000 |
| Power, kWt | 45 |
| Height of self-suction, m | - |

# OVERALL AND MOUNTING DIMENSIONS OF THE PUMP UNIT

| **Length, mm** | Diametr max, mm | Weight, kG |
|---|---|---|
| 2281 | 235 | 295 |

Submersible electric pump units of ECV type for wells are intended for the rise of water of general mineral content (dry constituent) not more than 1500 mg/l, pH= 6,5-9,5, the temperature 25° C, with a mass share of hard mechanical admixtures not more than 350 mg/l, of sulphates - not more than 500mg/l, hydrogen sulphide - not more than 1,5 mg/l.

Version 1. Pumps with the working wheels fixed on the shaft. Axial hydraulic stress is taken in by the supporting device, located in the electric motor. The casings of blade taps are formed.

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Version 4. Mono-block electric pump units (the working wheel is located on the shaft of the electric motor).

They are used for the rise of pure water for urban, industrial and agricultural water supply from artesian wells.

| | |
|---|---|
| Flow, m3/h | 120 |
| Head, m | 60 |
| Frequency, Hz | 50 |
| Frequency, rpm | 3000 |
| Power, kWt | 32 |
| Height of self-suction, m | - |

# OVERALL AND MOUNTING DIMENSIONS OF THE PUMP UNIT

| **Length, mm** | Diametr max, mm | Weight, kG |
|---|---|---|
| 2030 | 235 | 270 |

Submersible electric pump units of ECV type for wells are intended for the rise of water of general mineral content (dry constituent) not more than 1500 mg/l, pH= 6,5-9,5, the temperature 25° C, with a mass share of hard mechanical admixtures not more than 350 mg/l, of sulphates - not more than 500mg/l, hydrogen sulphide - not more than 1,5 mg/l.

Version 1. Pumps with the working wheels fixed on the shaft. Axial hydraulic stress is taken in by the supporting device, located in the electric motor. The casings of blade taps are formed.

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Version 3. Pumps with cast (trap) blade taps. The stages of the pumps are of a semi-axle type. The working wheels are fixed on the shaft.

Version 4. Mono-block electric pump units (the working wheel is located on the shaft of the electric motor).

They are used for the rise of pure water for urban, industrial and agricultural water supply from artesian wells.

| | |
|---|---|
| Flow, m3/h | 160 |
| Head, m | 65 |
| Frequency, Hz | 50 |
| Frequency, rpm | 3000 |
| Power, kWt | 45 |
| Height of self-suction, m | - |

# OVERALL AND MOUNTING DIMENSIONS OF THE PUMP UNIT

| **Length, mm** | Diametr max, mm | Weight, kG |
|---|---|---|
| 2000 | 281 | 360 |

Submersible electric pump units of ECV type for wells are intended for the rise of water of general mineral content (dry constituent) not more than 1500 mg/l, pH= 6,5-9,5, the temperature 25° C, with a mass share of hard mechanical admixtures not more than 350 mg/l, of sulphates - not more than 500mg/l, hydrogen sulphide - not more than 1,5 mg/l.

Version 1. Pumps with the working wheels fixed on the shaft. Axial hydraulic stress is taken in by the supporting device, located in the electric motor. The casings of blade taps are formed.

Version 2. The casings of blade taps are cylindrical, made of pipes with disks, which fix the taps in the axial direction, separate the inter-stage chambers and form slotted sealing of the working wheels.

Version 3. Pumps with cast (trap) blade taps. The stages of the pumps are of a semi-axle type. The working wheels are fixed on the shaft.

Version 4. Mono-block electric pump units (the working wheel is located on the shaft of the electric motor).

They are used for the rise of pure water for urban, industrial and agricultural water supply from artesian wells.

| | |
|---|---|
| Flow, m3/h | 160 |
| Head, m | 140 |
| Frequency, Hz | 50 |
| Frequency, rpm | 3000 |
| Power, kWt | 90 |
| Height of self-suction, m | - |

# OVERALL AND MOUNTING DIMENSIONS OF THE PUMP UNIT

| **Length, mm** | Diametr max, mm | Weight, kG |
|---|---|---|
| 2618 | 281 | 610 |

Submersible electric pump units of ECV type for wells are intended for the rise of water of general mineral content (dry constituent) not more than 1500 mg/l, pH= 6,5-9,5, the temperature 25° C, with a mass share of hard mechanical admixtures not more than 350 mg/l, of sulphates - not more than 500mg/l, hydrogen sulphide - not more than 1,5 mg/l.

Version 1. Pumps with the working wheels fixed on the shaft. Axial hydraulic stress is taken in by the supporting device, located in the electric motor. The casings of blade taps are formed.

Version 2. The casings of blade taps are cylindrical, made of pipes with disks, which fix the taps in the axial direction, separate the inter-stage chambers and form slotted sealing of the working wheels.

Version 3. Pumps with cast (trap) blade taps. The stages of the pumps are of a semi-axle type. The working wheels are fixed on the shaft.

Version 4. Mono-block electric pump units (the working wheel is located on the shaft of the electric motor).

They are used for the rise of pure water for urban, industrial and agricultural water supply from artesian wells.

| | |
|---|---|
| Flow, m3/h | 255 |
| Head, m | 30 |
| Frequency, Hz | 50 |
| Frequency, rpm | 3000 |
| Power, kWt | 32 |
| Height of self-suction, m | - |

# OVERALL AND MOUNTING DIMENSIONS OF THE PUMP UNIT

| **Length, mm** | Diametr max, mm | Weight, kG |
|---|---|---|
| 1490 | 281 | 254 |

Submersible electric pump units of ECV type for wells are intended for the rise of water of general mineral content (dry constituent) not more than 1500 mg/l, pH= 6,5-9,5, the temperature 25° C, with a mass share of hard mechanical admixtures not more than 350 mg/l, of sulphates - not more than 500mg/l, hydrogen sulphide - not more than 1,5 mg/l.

Version 1. Pumps with the working wheels fixed on the shaft. Axial hydraulic stress is taken in by the supporting device, located in the electric motor. The casings of blade taps are formed.

Version 2. The casings of blade taps are cylindrical, made of pipes with disks, which fix the taps in the axial direction, separate the inter-stage chambers and form slotted sealing of the working wheels.

Version 3. Pumps with cast (trap) blade taps. The stages of the pumps are of a semi-axle type. The working wheels are fixed on the shaft.

Version 4. Mono-block electric pump units (the working wheel is located on the shaft of the electric motor).

They are used for the rise of pure water for urban, industrial and agricultural water supply from artesian wells.

| | |
|---|---|
| Flow, m3/h | 4 |
| Head, m | 125 |
| Frequency, Hz | 50 |
| Frequency, rpm | 3000 |
| Power, kWt | 2,8 |
| Height of self-suction, m | - |

# OVERALL AND MOUNTING DIMENSIONS OF THE PUMP UNIT

| **Length, mm** | Diametr max, mm | Weight, kG |
|---|---|---|
| 1812 | 125 | 63 |

Submersible electric pump units of ECV type for wells are intended for the rise of water of general mineral content (dry constituent) not more than 1500 mg/l, pH= 6,5-9,5, the temperature 25° C, with a mass share of hard mechanical admixtures not more than 350 mg/l, of sulphates - not more than 500mg/l, hydrogen sulphide - not more than 1,5 mg/l.

Version 1. Pumps with the working wheels fixed on the shaft. Axial hydraulic stress is taken in by the supporting device, located in the electric motor. The casings of blade taps are formed.

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They are used for the rise of pure water for urban, industrial and agricultural water supply from artesian wells.

| | |
|---|---|
| Flow, m3/h | 4 |
| Head, m | 130 |
| Frequency, Hz | 50 |
| Frequency, rpm | 3000 |
| Power, kWt | 2,8 |
| Height of self-suction, m | - |

# OVERALL AND MOUNTING DIMENSIONS OF THE PUMP UNIT

| **Length, mm** | Diametr max, mm | Weight, kG |
|---|---|---|
| 1650 | 145 | 78 |

Submersible electric pump units of ECV type for wells are intended for the rise of water of general mineral content (dry constituent) not more than 1500 mg/l, pH= 6,5-9,5, the temperature 25° C, with a mass share of hard mechanical admixtures not more than 350 mg/l, of sulphates - not more than 500mg/l, hydrogen sulphide - not more than 1,5 mg/l.

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| | |
|---|---|
| Flow, m3/h | 6,3 |
| Head, m | 85 |
| Frequency, Hz | 50 |
| Frequency, rpm | 3000 |
| Power, kWt | 2,8 |
| Height of self-suction, m | - |

# OVERALL AND MOUNTING DIMENSIONS OF THE PUMP UNIT

| **Length, mm** | Diametr max, mm | Weight, kG |
|---|---|---|
| 1540 | 145 | 72 |

Submersible electric pump units of ECV type for wells are intended for the rise of water of general mineral content (dry constituent) not more than 1500 mg/l, pH= 6,5-9,5, the temperature 25° C, with a mass share of hard mechanical admixtures not more than 350 mg/l, of sulphates - not more than 500mg/l, hydrogen sulphide - not more than 1,5 mg/l.

Version 1. Pumps with the working wheels fixed on the shaft. Axial hydraulic stress is taken in by the supporting device, located in the electric motor. The casings of blade taps are formed.

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Version 3. Pumps with cast (trap) blade taps. The stages of the pumps are of a semi-axle type. The working wheels are fixed on the shaft.

Version 4. Mono-block electric pump units (the working wheel is located on the shaft of the electric motor).

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| | |
|---|---|
| Flow, m3/h | 10 |
| Head, m | 80 |
| Frequency, Hz | 50 |
| Frequency, rpm | 3000 |
| Power, kWt | 4,5 |
| Height of self-suction, m | - |

# OVERALL AND MOUNTING DIMENSIONS OF THE PUMP UNIT

| **Length, mm** | Diametr max, mm | Weight, kG |
|---|---|---|
| 1560 | 145 | 68 |

Submersible electric pump units of ECV type for wells are intended for the rise of water of general mineral content (dry constituent) not more than 1500 mg/l, pH= 6,5-9,5, the temperature 25° C, with a mass share of hard mechanical admixtures not more than 350 mg/l, of sulphates - not more than 500mg/l, hydrogen sulphide - not more than 1,5 mg/l.

Version 1. Pumps with the working wheels fixed on the shaft. Axial hydraulic stress is taken in by the supporting device, located in the electric motor. The casings of blade taps are formed.

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| | |
|---|---|
| Flow, m3/h | 10 |
| Head, m | 140 |
| Frequency, Hz | 50 |
| Frequency, rpm | 3000 |
| Power, kWt | 8 |
| Height of self-suction, m | - |

# OVERALL AND MOUNTING DIMENSIONS OF THE PUMP UNIT

| **Length, mm** | Diametr max, mm | Weight, kG |
|---|---|---|
| 1900 | 145 | 100 |

Submersible electric pump units of ECV type for wells are intended for the rise of water of general mineral content (dry constituent) not more than 1500 mg/l, pH= 6,5-9,5, the temperature 25° C, with a mass share of hard mechanical admixtures not more than 350 mg/l, of sulphates - not more than 500mg/l, hydrogen sulphide - not more than 1,5 mg/l.

Version 1. Pumps with the working wheels fixed on the shaft. Axial hydraulic stress is taken in by the supporting device, located in the electric motor. The casings of blade taps are formed.

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Version 4. Mono-block electric pump units (the working wheel is located on the shaft of the electric motor).

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| | |
|---|---|
| Flow, m3/h | 10 |
| Head, m | 235 |
| Frequency, Hz | 50 |
| Frequency, rpm | 3000 |
| Power, kWt | 11 |
| Height of self-suction, m | - |

# OVERALL AND MOUNTING DIMENSIONS OF THE PUMP UNIT

| **Length, mm** | Diametr max, mm | Weight, kG |
|---|---|---|
| 2684 | 145 | 145 |

Submersible electric pump units of ECV type for wells are intended for the rise of water of general mineral content (dry constituent) not more than 1500 mg/l, pH= 6,5-9,5, the temperature 25° C, with a mass share of hard mechanical admixtures not more than 350 mg/l, of sulphates - not more than 500mg/l, hydrogen sulphide - not more than 1,5 mg/l.

Version 1. Pumps with the working wheels fixed on the shaft. Axial hydraulic stress is taken in by the supporting device, located in the electric motor. The casings of blade taps are formed.

Version 2. The casings of blade taps are cylindrical, made of pipes with disks, which fix the taps in the axial direction, separate the inter-stage chambers and form slotted sealing of the working wheels.

Version 3. Pumps with cast (trap) blade taps. The stages of the pumps are of a semi-axle type. The working wheels are fixed on the shaft.

Version 4. Mono-block electric pump units (the working wheel is located on the shaft of the electric motor).

They are used for the rise of pure water for urban, industrial and agricultural water supply from artesian wells.

| | |
|---|---|
| Flow, m3/h | 16 |
| Head, m | 110 |
| Frequency, Hz | 50 |
| Frequency, rpm | 3000 |
| Power, kWt | 8 |
| Height of self-suction, m | - |

# OVERALL AND MOUNTING DIMENSIONS OF THE PUMP UNIT

| **Length, mm** | Diametr max, mm | Weight, kG |
|---|---|---|
| 1860 | 145 | 190 |

Submersible electric pump units of ECV type for wells are intended for the rise of water of general mineral content (dry constituent) not more than 1500 mg/l, pH= 6,5-9,5, the temperature 25° C, with a mass share of hard mechanical admixtures not more than 350 mg/l, of sulphates - not more than 500mg/l, hydrogen sulphide - not more than 1,5 mg/l.

Version 1. Pumps with the working wheels fixed on the shaft. Axial hydraulic stress is taken in by the supporting device, located in the electric motor. The casings of blade taps are formed.

Version 2. The casings of blade taps are cylindrical, made of pipes with disks, which fix the taps in the axial direction, separate the inter-stage chambers and form slotted sealing of the working wheels.

Version 3. Pumps with cast (trap) blade taps. The stages of the pumps are of a semi-axle type. The working wheels are fixed on the shaft.

Version 4. Mono-block electric pump units (the working wheel is located on the shaft of the electric motor).

They are used for the rise of pure water for urban, industrial and agricultural water supply from artesian wells.

| | |
|---|---|
| Flow, m3/h | 25 |
| Head, m | 100 |
| Frequency, Hz | 50 |
| Frequency, rpm | 3000 |
| Power, kWt | 11 |
| Height of self-suction, m | - |

# OVERALL AND MOUNTING DIMENSIONS OF THE PUMP UNIT

| **Length, mm** | Diametr max, mm | Weight, kG |
|---|---|---|
| 1832 | 186 | 140 |

Submersible electric pump units of ECV type for wells are intended for the rise of water of general mineral content (dry constituent) not more than 1500 mg/l, pH= 6,5-9,5, the temperature 25° C, with a mass share of hard mechanical admixtures not more than 350 mg/l, of sulphates - not more than 500mg/l, hydrogen sulphide - not more than 1,5 mg/l.

Version 1. Pumps with the working wheels fixed on the shaft. Axial hydraulic stress is taken in by the supporting device, located in the electric motor. The casings of blade taps are formed.

Version 2. The casings of blade taps are cylindrical, made of pipes with disks, which fix the taps in the axial direction, separate the inter-stage chambers and form slotted sealing of the working wheels.

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Version 4. Mono-block electric pump units (the working wheel is located on the shaft of the electric motor).

They are used for the rise of pure water for urban, industrial and agricultural water supply from artesian wells.

| | |
|---|---|
| Flow, m3/h | 25 |
| Head, m | 300 |
| Frequency, Hz | 50 |
| Frequency, rpm | 3000 |
| Power, kWt | 32 |
| Height of self-suction, m | - |

# OVERALL AND MOUNTING DIMENSIONS OF THE PUMP UNIT

| **Length, mm** | Diametr max, mm | Weight, kG |
|---|---|---|
| 3955 | 186 | 355 |

Submersible electric pump units of ECV type for wells are intended for the rise of water of general mineral content (dry constituent) not more than 1500 mg/l, pH= 6,5-9,5, the temperature 25° C, with a mass share of hard mechanical admixtures not more than 350 mg/l, of sulphates - not more than 500mg/l, hydrogen sulphide - not more than 1,5 mg/l.

Version 1. Pumps with the working wheels fixed on the shaft. Axial hydraulic stress is taken in by the supporting device, located in the electric motor. The casings of blade taps are formed.

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Version 3. Pumps with cast (trap) blade taps. The stages of the pumps are of a semi-axle type. The working wheels are fixed on the shaft.

Version 4. Mono-block electric pump units (the working wheel is located on the shaft of the electric motor).

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| | |
|---|---|
| Flow, m3/h | 40 |
| Head, m | 90 |
| Frequency, Hz | 50 |
| Frequency, rpm | 3000 |
| Power, kWt | 16 |
| Height of self-suction, m | - |

# OVERALL AND MOUNTING DIMENSIONS OF THE PUMP UNIT

| **Length, mm** | Diametr max, mm | Weight, kG |
|---|---|---|
| 1961 | 186 | 190 |

Submersible electric pump units of ECV type for wells are intended for the rise of water of general mineral content (dry constituent) not more than 1500 mg/l, pH= 6,5-9,5, the temperature 25° C, with a mass share of hard mechanical admixtures not more than 350 mg/l, of sulphates - not more than 500mg/l, hydrogen sulphide - not more than 1,5 mg/l.

Version 1. Pumps with the working wheels fixed on the shaft. Axial hydraulic stress is taken in by the supporting device, located in the electric motor. The casings of blade taps are formed.

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Version 4. Mono-block electric pump units (the working wheel is located on the shaft of the electric motor).

They are used for the rise of pure water for urban, industrial and agricultural water supply from artesian wells.

| | |
|---|---|
| Flow, m3/h | 40 |
| Head, m | 180 |
| Frequency, Hz | 50 |
| Frequency, rpm | 3000 |
| Power, kWt | 32 |
| Height of self-suction, m | - |

# OVERALL AND MOUNTING DIMENSIONS OF THE PUMP UNIT

| **Length, mm** | Diametr max, mm | Weight, kG |
|---|---|---|
| 3105 | 186 | 308 |

Submersible electric pump units of ECV type for wells are intended for the rise of water of general mineral content (dry constituent) not more than 1500 mg/l, pH= 6,5-9,5, the temperature 25° C, with a mass share of hard mechanical admixtures not more than 350 mg/l, of sulphates - not more than 500mg/l, hydrogen sulphide - not more than 1,5 mg/l.

Version 1. Pumps with the working wheels fixed on the shaft. Axial hydraulic stress is taken in by the supporting device, located in the electric motor. The casings of blade taps are formed.

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Version 4. Mono-block electric pump units (the working wheel is located on the shaft of the electric motor).

They are used for the rise of pure water for urban, industrial and agricultural water supply from artesian wells.

| | |
|---|---|
| Flow, m3/h | 63 |
| Head, m | 110 |
| Frequency, Hz | 50 |
| Frequency, rpm | 3000 |
| Power, kWt | 32 |
| Height of self-suction, m | - |

# OVERALL AND MOUNTING DIMENSIONS OF THE PUMP UNIT

| **Length, mm** | Diametr max, mm | Weight, kG |
|---|---|---|
| 1971 | 235 | 245 |

Submersible electric pump units of ECV type for wells are intended for the rise of water of general mineral content (dry constituent) not more than 1500 mg/l, pH= 6,5-9,5, the temperature 25° C, with a mass share of hard mechanical admixtures not more than 350 mg/l, of sulphates - not more than 500mg/l, hydrogen sulphide - not more than 1,5 mg/l.

Version 1. Pumps with the working wheels fixed on the shaft. Axial hydraulic stress is taken in by the supporting device, located in the electric motor. The casings of blade taps are formed.

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| | |
|---|---|
| Flow, m3/h | 63 |
| Head, m | 270 |
| Frequency, Hz | 50 |
| Frequency, rpm | 3000 |
| Power, kWt | 65 |
| Height of self-suction, m | - |

# OVERALL AND MOUNTING DIMENSIONS OF THE PUMP UNIT

| **Length, mm** | Diametr max, mm | Weight, kG |
|---|---|---|
| 3235 | 235 | 450 |

Submersible electric pump units of ECV type for wells are intended for the rise of water of general mineral content (dry constituent) not more than 1500 mg/l, pH= 6,5-9,5, the temperature 25° C, with a mass share of hard mechanical admixtures not more than 350 mg/l, of sulphates - not more than 500mg/l, hydrogen sulphide - not more than 1,5 mg/l.

Version 1. Pumps with the working wheels fixed on the shaft. Axial hydraulic stress is taken in by the supporting device, located in the electric motor. The casings of blade taps are formed.

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| | |
|---|---|
| Flow, m3/h | 160 |
| Head, m | 35 |
| Frequency, Hz | 50 |
| Frequency, rpm | 3000 |
| Power, kWt | 22 |
| Height of self-suction, m | - |

# OVERALL AND MOUNTING DIMENSIONS OF THE PUMP UNIT

| **Length, mm** | Diametr max, mm | Weight, kG |
|---|---|---|
| 1764 | 235 | 249 |

Submersible electric pump units of ECV type for wells are intended for the rise of water of general mineral content (dry constituent) not more than 1500 mg/l, pH= 6,5-9,5, the temperature 25° C, with a mass share of hard mechanical admixtures not more than 350 mg/l, of sulphates - not more than 500mg/l, hydrogen sulphide - not more than 1,5 mg/l.

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They are used for the rise of pure water for urban, industrial and agricultural water supply from artesian wells.

| | |
|---|---|
| Flow, m3/h | 160 |
| Head, m | 100 |
| Frequency, Hz | 50 |
| Frequency, rpm | 3000 |
| Power, kWt | 65 |
| Height of self-suction, m | - |

# OVERALL AND MOUNTING DIMENSIONS OF THE PUMP UNIT

| **Length, mm** | Diametr max, mm | Weight, kG |
|---|---|---|
| 2157 | 281 | 415 |

Submersible electric pump units of ECV type for wells are intended for the rise of water of general mineral content (dry constituent) not more than 1500 mg/l, pH= 6,5-9,5, the temperature 25° C, with a mass share of hard mechanical admixtures not more than 350 mg/l, of sulphates - not more than 500mg/l, hydrogen sulphide - not more than 1,5 mg/l.

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Version 4. Mono-block electric pump units (the working wheel is located on the shaft of the electric motor).

They are used for the rise of pure water for urban, industrial and agricultural water supply from artesian wells.

| | |
|---|---|
| Flow, m3/h | 210 |
| Head, m | 25 |
| Frequency, Hz | 50 |
| Frequency, rpm | 3000 |
| Power, kWt | 22 |
| Height of self-suction, m | - |

# OVERALL AND MOUNTING DIMENSIONS OF THE PUMP UNIT

| **Length, mm** | Diametr max, mm | Weight, kG |
|---|---|---|
| 1416 | 281 | 212 |

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