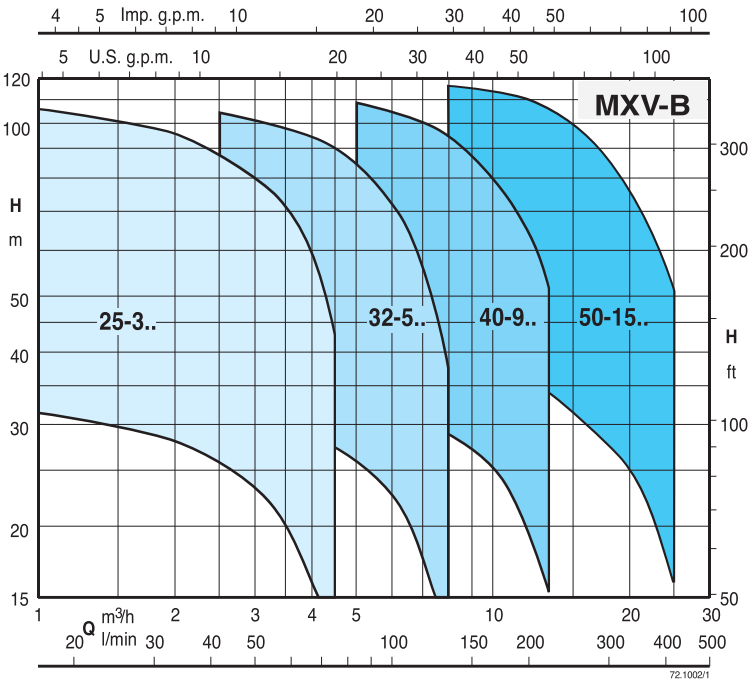
# MXV-B

## Vertical Multi-Stage Close Coupled Pumps

**The electropumps MXV-B.. series comply with the European Regulation no. 547/2012.**

## Coverage chart n ≈ 2900 rpm




## Construction

Vertical multi-stage close coupled pumps with suction and delivery connections of the same diameter and arranged along the same axis (in-line).
All parts that come into contact with the liquid, are in chrome-nickel stainless steel with corrosion-resistant bearing sleeves lubricated by the pumped liquid.

**Version with frequency converter** (on request)

## Applications

For water supply systems.
For clean non-explosive liquids, without solid, filamentary or abrasive matter and non-aggressive for stainless steel (with adaptation of sealing materials on request).
A universal pump for civil and industrial use, for pressure-boosting systems, high-pressure washing plants, irrigation, agricultural uses and sport installations.

## Operating conditions

Temperature of liquid: from -15 °C to +90 °C.
Operating environment temperature: up to 40 °C.
Maximum permissible pressure in pump casing: 16 bar.
Continuous duty (S3 60% for 1,5 kW).

## Motor

2-pole induction motor, 50 Hz (n ≈ 2900 rpm).
**MXV-B**: three-phase 230/400 V ± 10% up to 3 kW;
400/690 V ± 10% from 3,7 to 7,5 kW.
**MXV-BM**: single-phase 230 V ± 10%, with thermal protector.
Capacitor inside the terminal box.
Insulation class F.
Protection IP 54.
Three-phase motor suitable for operation with frequency converter.
**IE2 efficiency class for single-phase motors up to 1,1 kW.**
**IE3 efficiency class for three-phase motors.**
Constructed in accordance with: EN 60034-1, EN 60034-30-1.
EN 60335-1, EN 60335-2-41.

## Materials (wetted parts)

| Component | Material |
|---|---|
| External jacket<br>Suction casing<br>Delivery casing<br>Stage casing<br>Impeller<br>Lower cover<br>Upper cover<br>Spacer sleeve | Chrome-nickel steel<br>1.4301 EN 10088 (AISI 304) |
| Pump shaft<br>Plug | Chrome-nickel steel<br>1.4301 EN 10088 (AISI 304) |
| Mechanical seal<br>ISO 3069 - KU | Ceramic alumina/Carbon/EPDM |
| Wear ring | PPS |
| O-ring | NBR |
| Oval Counterflanges | AISI 304 (galvanized steel for MXV-B 50) |

## Special features on request

- Other voltages. - Frequency 60 Hz.
- Protection IP 55. - Special mechanical seal
- Pump casing seal rings in FPM.
- Higher or lower liquid or ambient temperatures.

## Designation

MXV-B M EI 25-305 O

- Series
- Single-phase motor (up to 2.2 kW)
- With frequency converter I-MAT
- DN ports in mm
- Rated capacity in m³/h
- Number of stages
- Oval Flanges

# MXV-B EI

**Vertical Multi-Stage In-Line Pumps**

## Pumps with frequency converter

The **MXV-B EI** pumps are available with power from 0,75 kW up to 7,5 kW, the pumps are equipped with **I-MAT** installed on board which allows to realize a variable-speed system extremely compact and efficient, ideal in applications of water supply and in the distribution of hot and cold water.
The pump is equipped with transducers suitable for operation and is already programmed at the factory.

### Advantages
- Energy saving
- Compact design
- Easy to use
- Programmable to suit the system requirements
- Reliability

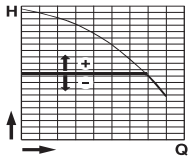
### Costruction
The system comprises of:
- Pump
- Induction motor
- I-MAT Frequency converter
- Motor adapter for the motor mounting of the frequency converter
- Connection cable between frequency converter and induction motor
- Transducers

### Main features
Rated motor power output from 0,75 kW to 7,5 kW
Control range from 1750 to 2900 rpm (2-pole)
Protection against dry running
Protection against operations with closed connection ports
Protection against system leakages
Protection against overcurrent in the motor
Protection agains overvoltage and undervoltage of the power supply
Protection against current unbalances between phases

## Operating modes

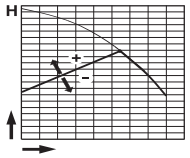
**Constant pressure mode**
with pressure transducer

In this mode, the system maintains the preset pressure when the flow required by the installation changes.



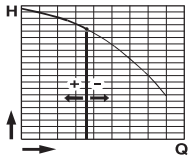

**Proportional pressure mode**
with pressure transducer

In this mode the system changes the working pressure according to the required flow rate.



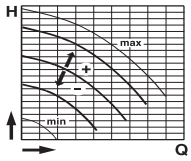

**Constant flow mode**
with flow meter

In this mode the system maintains a constant flow rate value in a point of the installation according to the required pressure.




**Fixed speed mode**
with setting of the speed preferential rotation.

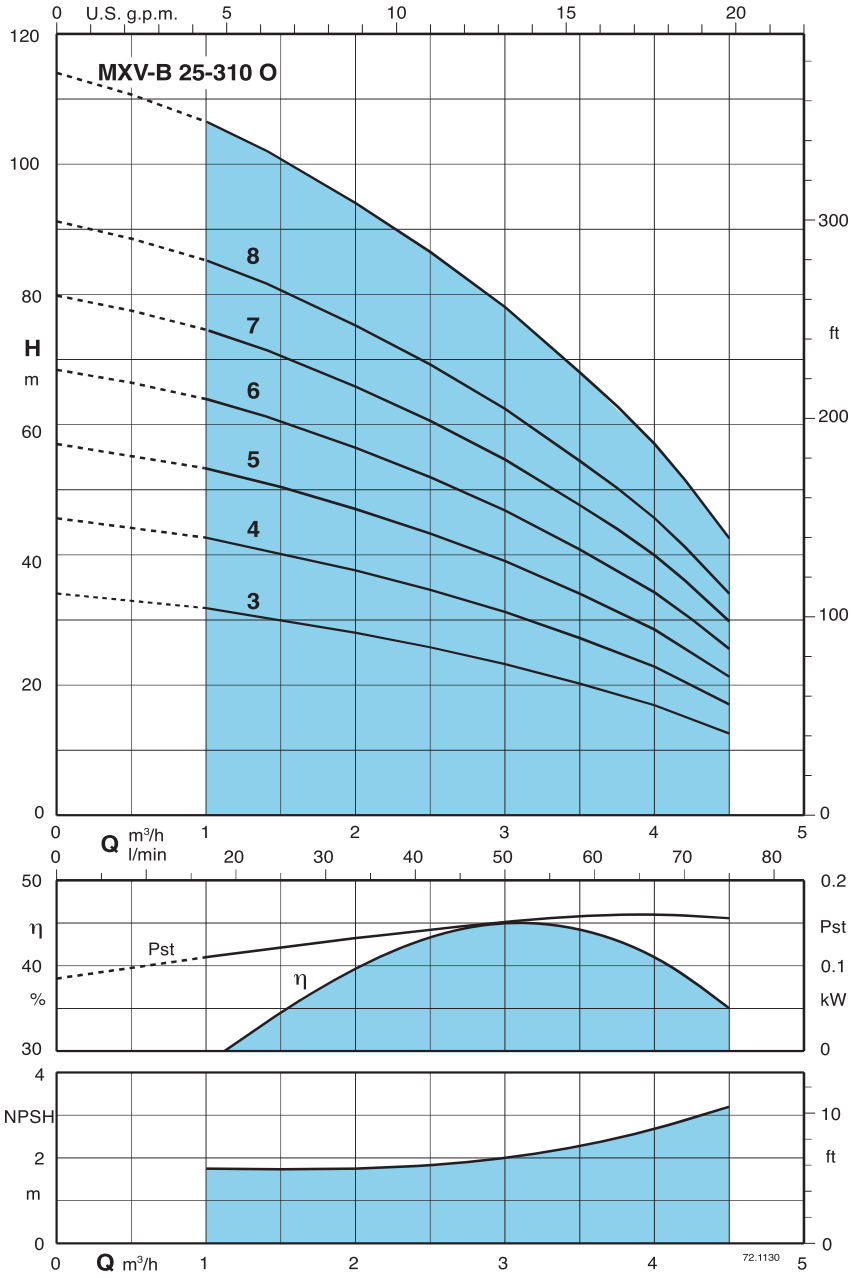
In this mode, by changing the working frequency, you may choose any operational curve included within the working range.




**Constant temperature mode**
with temperature transducer

In this mode the system keeps the temperature constant inside a system by changing the speed of the pump.

## Characteristic curves and performance n ≈ 2900 rpm



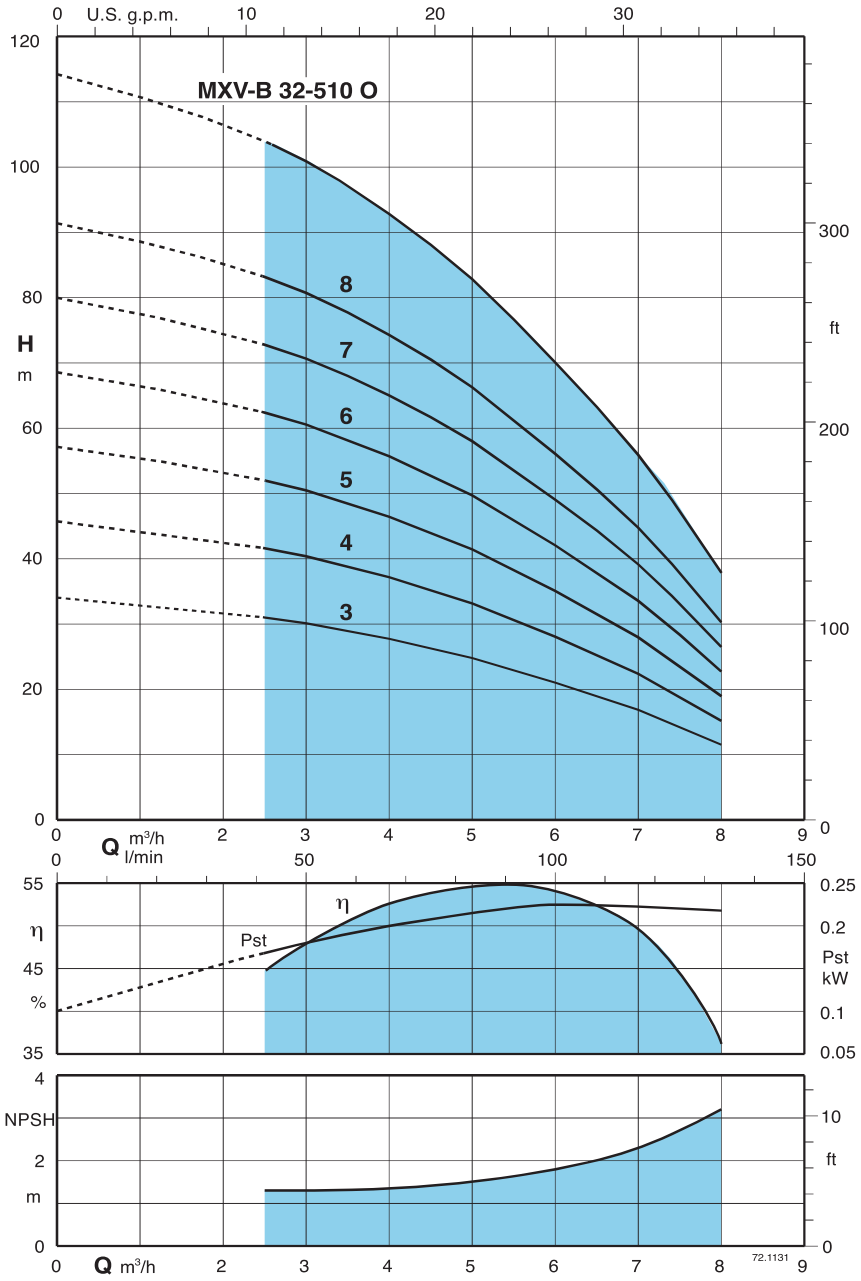

Test results with clean cold water, without gas content.
A safety margin of + 0.5 m is recommended for the NPSH value.
Tolerances in accordance with UNI EN ISO 9906:2012

Head and power values valid for liquids with density ρ = 1,0 kg/dm³ and kinematic viscosity ν = max 20 mm²/sec.

Pst = Power with reference to one stage.
$P_1$ Max. power input.
$P_2$ Rated motor power output.

| 3 ~ | 230 V | 400 V | 1 ~ | 230 V | $P_1$ | $P_2$ | | Q m³/h | 0 | 1 | 1,5 | 2 | 2,5 | 3 | 3,5 | 4 | 4,5 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | A | A | | A | kW | kW | HP | Q l/min | 0 | 16,6 | 25 | 33,3 | 41,6 | 50 | 58,3 | 66,6 | 75 |
| MXV-B 25-303 O | 4 | 2,3 | MXV-BM 25-303 O | 5,8 | 1,1 | 0,75 | 1 | | 34 | 32 | 30 | 28 | 26 | 23,5 | 20,5 | 17 | 12,5 |
| MXV-B 25-304 O | 4 | 2,3 | MXV-BM 25-304 O | 5,8 | 1,1 | 0,75 | 1 | | 44 | 42,5 | 40 | 37,5 | 34,5 | 31 | 27 | 22,5 | 17 |
| MXV-B 25-305 O | 4 | 2,3 | MXV-BM 25-305 O | 5,8 | 1,1 | 0,75 | 1 | | 56 | 53 | 50 | 47 | 43 | 39 | 34 | 28 | 21 |
| MXV-B 25-306 O | 4,7 | 2,7 | MXV-BM 25-306 O | 7,4 | 1,5 | 1,1 | 1,5 | H | 68 | 63,5 | 60,5 | 56 | 51,5 | 46,5 | 40,5 | 34 | 25 |
| MXV-B 25-307 O | 4,7 | 2,7 | MXV-BM 25-307 O | 7,4 | 1,6 | 1,1 | 1,5 | m | 79,5 | 74 | 70,5 | 65,5 | 60 | 54,5 | 47,5 | 39,5 | 30 |
| MXV-B 25-308 O | 7,5 | 4,3 | MXV-BM 25-308 O | 9,2 | 2 | 1,5 | 2 | | 91 | 85 | 80,5 | 75 | 69 | 62 | 54 | 45,5 | 34 |
| MXV-B 25-310 O | 7,5 | 4,3 | MXV-BM 25-310 O | 9,2 | 2,3 | 1,5 | 2 | | 114 | 106 | 101 | 94 | 86 | 78 | 68 | 57 | 42 |

## Characteristic curves and performance n ≈ 2900 rpm




Test results with clean cold water, without gas content.
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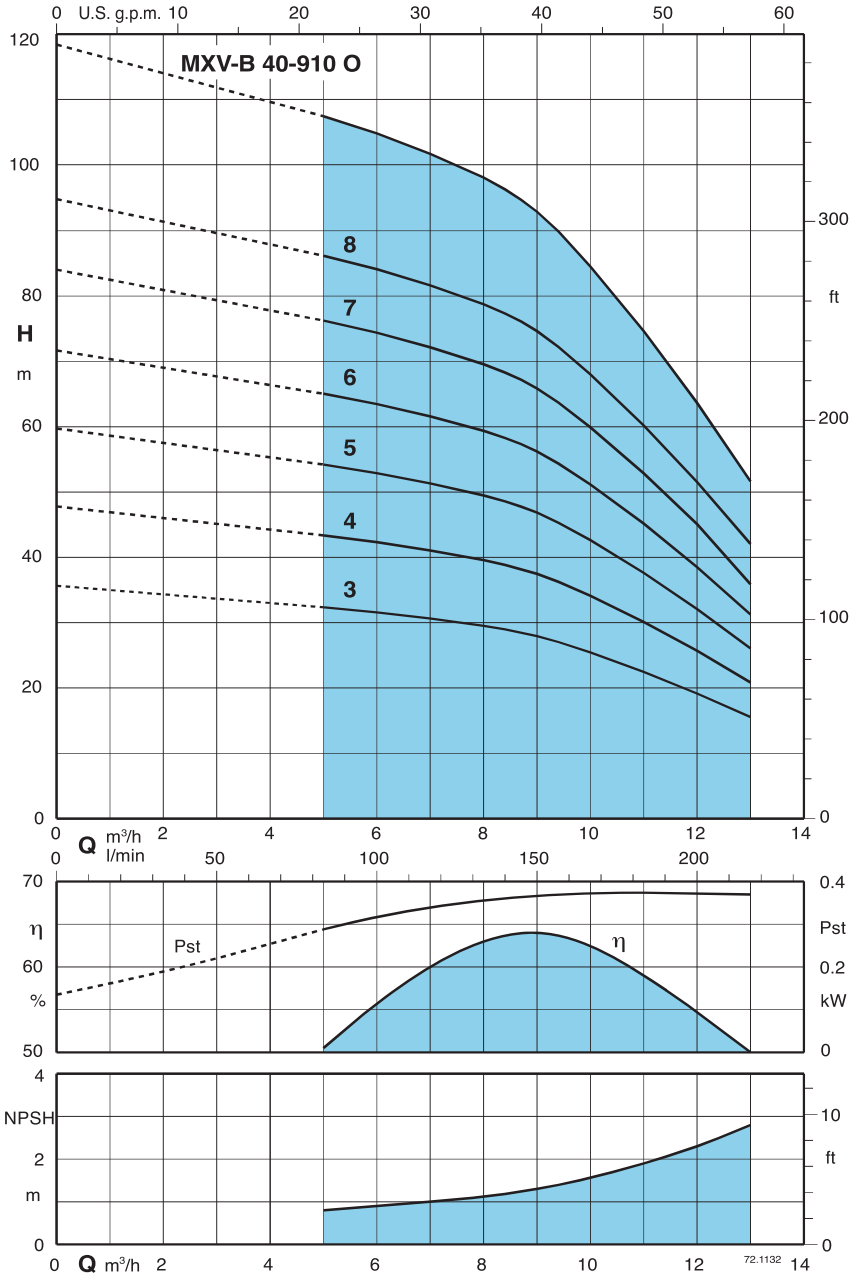
Tolerances in accordance with UNI EN ISO 9906:2012

Head and power values valid for liquids with density ρ = 1,0 kg/dm³ and kinematic viscosity ν = max 20 mm²/sec.

Pst = Power with reference to one stage.
$P_1$ Max. power input.
$P_2$ Rated motor power output.

| 3 ~ | 230 V | 400 V | 1 ~ | 230 V | $P_1$ | $P_2$ | | m³/h | 0 | 2,5 | 3 | 3,5 | 4 | 4,5 | 5 | 6 | 7 | 8 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | A | A | | A | kW | kW | HP | Q l/min | 0 | 41,6 | 50 | 58,3 | 66,6 | 75 | 83,3 | 100 | 116,6 | 133,3 |
| MXV-B 32-503 O | 4 | 2,3 | MXV-BM 32-503 O | 5,8 | 1,1 | 0,75 | 1 | | 34 | 31 | 30,5 | 29 | 28 | 26,5 | 25 | 21 | 17 | 11,5 |
| MXV-B 32-504 O | 4,7 | 2,7 | MXV-BM 32-504 O | 7,4 | 1,5 | 1,1 | 1,5 | | 45 | 41,5 | 40 | 38,5 | 36,5 | 34,5 | 32,5 | 27,5 | 22 | 14,5 |
| MXV-B 32-505 O | 4,7 | 2,7 | MXV-BM 32-505 O | 7,4 | 1,6 | 1,1 | 1,5 | | 56 | 51,5 | 50 | 48 | 46 | 43,5 | 41 | 34,5 | 27,5 | 18,5 |
| MXV-B 32-506 O | 7,5 | 4,3 | MXV-BM 32-506 O | 9,2 | 2 | 1,5 | 2 | H m | 68 | 62 | 60 | 58 | 55,5 | 52,5 | 49,5 | 42 | 33,5 | 22,5 |
| MXV-B 32-507 O | 7,5 | 4,3 | MXV-BM 32-507 O | 9,2 | 2,3 | 1,5 | 2 | | 79,5 | 72,5 | 70,5 | 68 | 65 | 61,5 | 58 | 49 | 39 | 26,5 |
| MXV-B 32-508 O | 9,15 | 5,3 | | | | 2,2 | 3 | | 91 | 83 | 80,5 | 78 | 74 | 70 | 66 | 56 | 44,5 | 30 |
| MXV-B 32-510 O | 9,15 | 5,3 | | | | 2,2 | 3 | | 114 | 104 | 101 | 97,5 | 93 | 88 | 83 | 70 | 56 | 38 |

## Characteristic curves and performance n ≈ 2900 rpm

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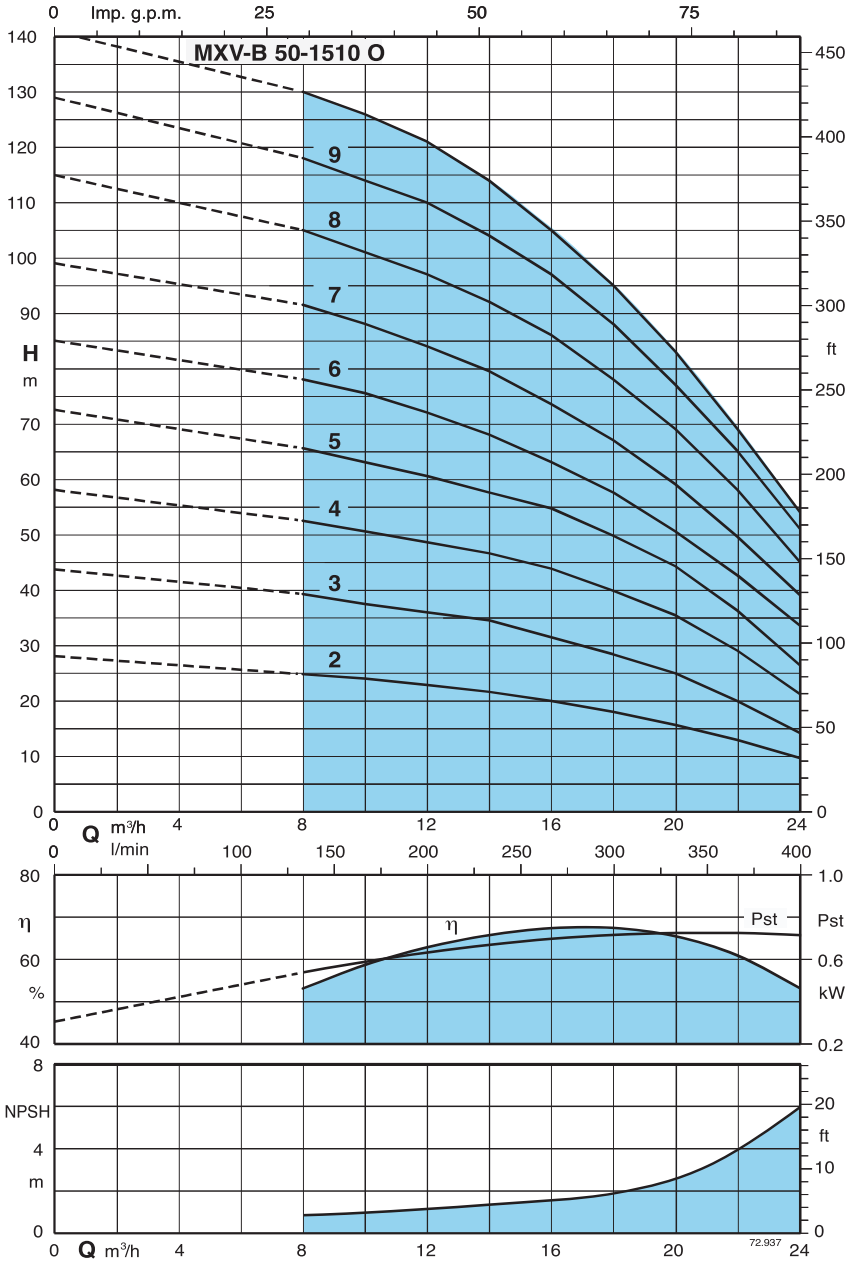
Tolerances in accordance with UNI EN ISO 9906:2012

Head and power values valid for liquids with density ρ = 1,0 kg/dm³ and kinematic viscosity ν = max 20 mm²/sec.

Pst = Power with reference to one stage.
$P_1$ Max. power input.
$P_2$ Rated motor power output.

| 3 ~ | 230 V | 400 V | 1 ~ | 230 V | $P_1$ | $P_2$ | | m³/h | 0 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | A | A | | A | kW | kW | HP | Q l/min | 0 | 83,3 | 100 | 116,6 | 133,3 | 150 | 166,6 | 183,3 | 200 | 216,6 |
| MXV-B 40-903 O | 4,7 | 2,7 | MXV-BM 40-903 O | 7,4 | 1,6 | 1,1 | 1,5 | | 35,5 | 32,5 | 31,5 | 31 | 29,5 | 28 | 25,5 | 22,5 | 19,5 | 15,5 |
| MXV-B 40-904 O | 7,5 | 4,3 | MXV-BM 40-904 O | 9,2 | 2,3 | 1,5 | 2 | | 47 | 43 | 42 | 41 | 40 | 37 | 34 | 30 | 26 | 21 |
| MXV-B 40-905 O | 9,15 | 5,3 | | | | 2,2 | 3 | | 59 | 54 | 53 | 51 | 50 | 47 | 43 | 38 | 32 | 26 |
| MXV-B 40-906 O | 9,15 | 5,3 | | | | 2,2 | 3 | H m | 71 | 65 | 63 | 62 | 59 | 56 | 51 | 45 | 39 | 31 |
| MXV-B 40-907 O | 11,5 | 6,6 | | | | 3 | 4 | | 83 | 76 | 74 | 72 | 69 | 66 | 60 | 53 | 45 | 36 |
| MXV-B 40-908 O | 11,5 | 6,6 | | | | 3 | 4 | | 95 | 87 | 85 | 82 | 79 | 75 | 69 | 60 | 51 | 42 |
| MXV-B 40-910 O | | 9,6 | | | | 3,7 | 5 | | 119 | 109 | 106 | 103 | 99 | 94 | 86 | 75 | 64 | 52 |

## Characteristic curves and performance n ≈ 2900 rpm

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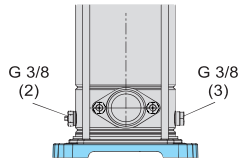
Tolerances in accordance with UNI EN ISO 9906:2012

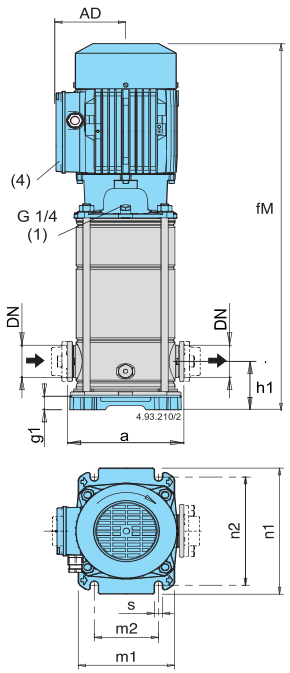
Head and power values valid for liquids with density ρ = 1,0 kg/dm³ and kinematic viscosity ν = max 20 mm²/sec.

Pst = Power with reference to one stage.
$P_1$ Max. power input.
$P_2$ Rated motor power output.

| 3 ~ | 230 V | 400 V | | | | | Q m³/h | 0 | 8 | 10 | 12 | 14 | 16 | 18 | 20 | 22 | 24 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | A | A | | | | kW | HP | Q l/min | 0 | 133,3 | 166,6 | 200 | 233 | 266 | 300 | 333 | 366 | 400 |
| MXV-B 50-1502 O | 7,4 | 4,3 | | | | 1,5 | 2 | | 27,9 | 24,6 | 23,8 | 22,7 | 21,4 | 19,8 | 17,8 | 15,4 | 12,7 | 9,5 |
| MXV-B 50-1503 O | 9,2 | 5,3 | | | | 2,2 | 3 | | 43,6 | 39,1 | 37,3 | 35,8 | 34,3 | 31,3 | 28,2 | 24,8 | 19,7 | 14,0 |
| MXV-B 50-1504 O | 11,4 | 6,6 | | | | 3 | 4 | | 58,0 | 52,4 | 50,5 | 48,5 | 46,5 | 43,7 | 39,8 | 35,3 | 28,9 | 21,1 |
| MXV-B 50-1505 O | | 9,6 | | | | 4 | 5,5 | H | 72,5 | 65,5 | 63,0 | 60,5 | 57,5 | 54,7 | 49,7 | 44,1 | 36,1 | 26,3 |
| MXV-B 50-1506 O | | 10,9 | | | | 5,5 | 7,5 | m | 85 | 78 | 75,5 | 72 | 68 | 63 | 57,5 | 50,5 | 42,5 | 33,5 |
| MXV-B 50-1507 O | | 10,9 | | | | 5,5 | 7,5 | | 99 | 91,5 | 88 | 84 | 79,5 | 73,5 | 67 | 59 | 49,5 | 39 |
| MXV-B 50-1508 O | | 10,9 | | | | 5,5 | 7,5 | | 115 | 105 | 101 | 97 | 92 | 86 | 78 | 69 | 58 | 45 |
| MXV-B 50-1509 O | | 14,3 | | | | 7,5 | 10 | | 129 | 118 | 114 | 110 | 104 | 97 | 88 | 77 | 65 | 51 |
| MXV-B 50-1510 O | | 14,3 | | | | 7,5 | 10 | | 141 | 130 | 126 | 121 | 114 | 105 | 95 | 83 | 69 | 54 |

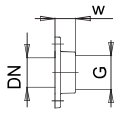
## Dimensions and weights



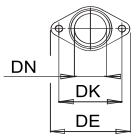

(1) Filling
(2) Air vent suction side
(3) Draining
(3) Standard position of terminal box

**Oval Counterflanges** PN 16



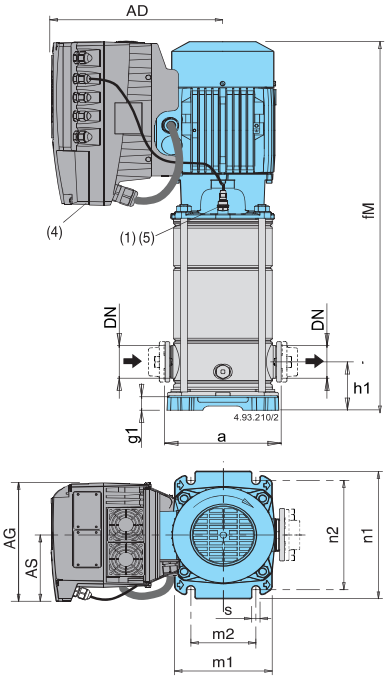

| DN | G | w | Holes N. | Holes Ø |
|---|---|---|---|---|
| 25 | 1 | 23 | 2 | 12 |
| 32 | 1 1/4 | 23 | 2 | 12 |
| 40 | 1 1/2 | 26 | 2 | 15 |
| 50 | 2 | 34 | 2 | 15 |

**Oval Flanges** PN 16




| DN | DE | DK | Holes N. | Holes Ø |
|---|---|---|---|---|
| 25 | 95 | 75 | 2 | M10 |
| 32 | 95 | 75 | 2 | M10 |
| 40 | 125 | 100 | 2 | M12 |
| 50 | 125 | 100 | 2 | M12 |

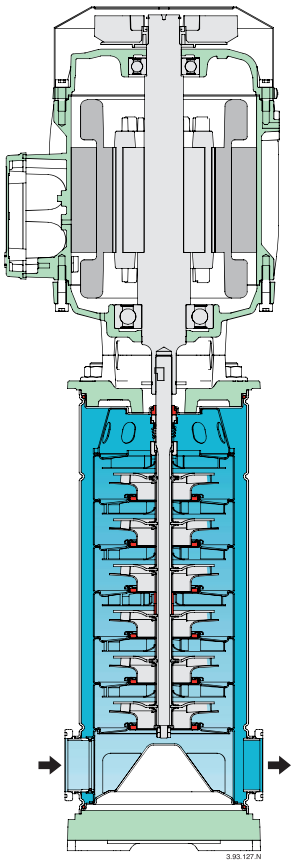
| Pump | Motore P2 kW | Motore P2 HP | mm DN | a | h1 | fM | AD | n1 | n2 | m1 | m2 | s | g1 | Net weight 3 ~ kg | Net weight 1 ~ kg |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MXV-B(M) 25-303 O | 0,75 | 1 | 25 | 160 | 50 | 553 | 128 | 205 | 180 | 165 | 100 | 13 | 20 | 22.6 | 23.3 |
| MXV-B(M) 25-304 O | 0,75 | 1 | 25 | 160 | 50 | 553 | 128 | 205 | 180 | 165 | 100 | 13 | 20 | 22.8 | 23.5 |
| MXV-B(M) 25-305 O | 0,75 | 1 | 25 | 160 | 50 | 577 | 128 | 205 | 180 | 165 | 100 | 13 | 20 | 23.5 | 25.6 |
| MXV-B(M) 25-306 O | 1,1 | 1,5 | 25 | 160 | 50 | 601 | 128 | 205 | 180 | 165 | 100 | 13 | 20 | 26.3 | 26 |
| MXV-B(M) 25-307 O | 1,1 | 1,5 | 25 | 160 | 50 | 625 | 128 | 205 | 180 | 165 | 100 | 13 | 20 | 26.9 | 26.8 |
| MXV-B(M) 25-308 O | 1,5 | 2 | 25 | 160 | 50 | 649 | 128 | 205 | 180 | 165 | 100 | 13 | 20 | 29 | 29 |
| MXV-B(M) 25-310 O | 1,5 | 2 | 25 | 160 | 50 | 697 | 128 | 205 | 180 | 165 | 100 | 13 | 20 | 30 | 29.8 |
| MXV-B(M) 32-503 O | 0,75 | 1 | 32 | 160 | 50 | 553 | 128 | 205 | 180 | 165 | 100 | 13 | 20 | 22.5 | - |
| MXV-B(M) 32-504 O | 1,1 | 1,5 | 32 | 160 | 50 | 553 | 128 | 205 | 180 | 165 | 100 | 13 | 20 | 24.8 | - |
| MXV-B(M) 32-505 O | 1,1 | 1,5 | 32 | 160 | 50 | 577 | 128 | 205 | 180 | 165 | 100 | 13 | 20 | 25.5 | 24.3 |
| MXV-B(M) 32-506 O | 1,5 | 2 | 32 | 160 | 50 | 601 | 128 | 205 | 180 | 165 | 100 | 13 | 20 | 27.7 | 27.6 |
| MXV-B(M) 32-507 O | 1,5 | 2 | 32 | 160 | 50 | 625 | 128 | 205 | 180 | 165 | 100 | 13 | 20 | 28 | 27.7 |
| MXV-B 32-508 O | 2,2 | 3 | 32 | 160 | 50 | 689 | 128 | 205 | 180 | 165 | 100 | 13 | 20 | 32 | |
| MXV-B 32-510 O | 2,2 | 3 | 32 | 160 | 50 | 737 | 128 | 205 | 180 | 165 | 100 | 13 | 20 | 33.4 | |
| MXV-B(M) 40-903 O | 1,1 | 1,5 | 40 | 200 | 80 | 601 | 128 | 250 | 215 | 190 | 130 | 14 | 30,5 | 28.5 | - |
| MXV-B(M) 40-904 O | 1,5 | 2 | 40 | 200 | 80 | 601 | 128 | 250 | 215 | 190 | 130 | 14 | 30,5 | 30.5 | 30.3 |
| MXV-B 40-905 O | 2,2 | 3 | 40 | 200 | 80 | 671 | 128 | 250 | 215 | 190 | 130 | 14 | 30,5 | 34.3 | |
| MXV-B 40-906 O | 2,2 | 3 | 40 | 200 | 80 | 701 | 128 | 250 | 215 | 190 | 130 | 14 | 30,5 | 35.2 | |
| MXV-B 40-907 O | 3 | 4 | 40 | 200 | 80 | 755 | 138 | 250 | 215 | 190 | 130 | 14 | 30,5 | 42.5 | |
| MXV-B 40-908 O | 3 | 4 | 40 | 200 | 80 | 789 | 138 | 250 | 215 | 190 | 130 | 14 | 30,5 | 43.3 | |
| MXV-B 40-910 O | 3,7 | 5 | 40 | 200 | 80 | 849 | 138 | 250 | 215 | 190 | 130 | 14 | 30,5 | 48.3 | |
| MXV-B 50-1502 O | 1,5 | 2 | 50 | 200 | 90 | 598 | 128 | 250 | 215 | 196 | 130 | 13 | 25 | - | - |
| MXV-B 50-1503 O | 2,2 | 3 | 50 | 200 | 90 | 686 | 128 | 250 | 215 | 196 | 130 | 13 | 25 | | |
| MXV-B 50-1504 O | 3 | 4 | 50 | 200 | 90 | 762 | 138 | 250 | 215 | 196 | 130 | 13 | 25 | | |
| MXV-B 50-1505 O | 4 | 5,5 | 50 | 200 | 90 | 810 | 138 | 250 | 215 | 196 | 130 | 13 | 25 | | |
| MXV-B 50-1506 O | 5,5 | 7,5 | 50 | 200 | 90 | 886 | 160 | 250 | 215 | 196 | 130 | 13 | 25 | | |
| MXV-B 50-1507 O | 5,5 | 7,5 | 50 | 200 | 90 | 934 | 160 | 250 | 215 | 196 | 130 | 13 | 25 | | |
| MXV-B 50-1508 O | 5,5 | 7,5 | 50 | 200 | 90 | 982 | 160 | 250 | 215 | 196 | 130 | 13 | 25 | | |
| MXV-B 50-1509 O | 7,5 | 10 | 50 | 200 | 90 | 1030 | 160 | 250 | 215 | 196 | 130 | 13 | 25 | | |
| MXV-B 50-1510 O | 7,5 | 10 | 50 | 200 | 90 | 1078 | 160 | 250 | 215 | 196 | 130 | 13 | 25 | | |




(1) Filling
(2) Air vent suction side
(3) Draining
(4) Standard position of I-MAT
(5) Pressure transducer

| Pump | Motor P2 kW | Motor P2 HP | mm DN | a | h1 | fM | AD | AG | AS | n1 | n2 | m1 | m2 | s | g1 | Net weight kg |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MXV-B EI 25-303 O | 0,75 | 1 | 25 | 160 | 50 | 553 | 286 | 190 | 105 | 205 | 180 | 165 | 100 | 13 | 20 | - |
| MXV-B EI 25-304 O | 0,75 | 1 | 25 | 160 | 50 | 553 | 286 | 190 | 105 | 205 | 180 | 165 | 100 | 13 | 20 | 29.6 |
| MXV-B EI 25-305 O | 0,75 | 1 | 25 | 160 | 50 | 577 | 286 | 190 | 105 | 205 | 180 | 165 | 100 | 13 | 20 | 30.3 |
| MXV-B EI 25-306 O | 1,1 | 1,5 | 25 | 160 | 50 | 601 | 286 | 190 | 105 | 205 | 180 | 165 | 100 | 13 | 20 | - |
| MXV-B EI 25-307 O | 1,1 | 1,5 | 25 | 160 | 50 | 625 | 286 | 190 | 105 | 205 | 180 | 165 | 100 | 13 | 20 | 32.4 |
| MXV-B EI 25-308 O | 1,5 | 2 | 25 | 160 | 50 | 649 | 286 | 190 | 105 | 205 | 180 | 165 | 100 | 13 | 20 | - |
| MXV-B EI 25-310 O | 1,5 | 2 | 25 | 160 | 50 | 697 | 286 | 190 | 105 | 205 | 180 | 165 | 100 | 13 | 20 | 36.6 |
| MXV-B EI 32-503 O | 0,75 | 1 | 32 | 160 | 50 | 553 | 286 | 190 | 105 | 205 | 180 | 165 | 100 | 13 | 20 | - |
| MXV-B EI 32-504 O | 1,1 | 1,5 | 32 | 160 | 50 | 553 | 286 | 190 | 105 | 205 | 180 | 165 | 100 | 13 | 20 | 25.3 |
| MXV-B EI 32-505 O | 1,1 | 1,5 | 32 | 160 | 50 | 577 | 286 | 190 | 105 | 205 | 180 | 165 | 100 | 13 | 20 | - |
| MXV-B EI 32-506 O | 1,5 | 2 | 32 | 160 | 50 | 601 | 286 | 190 | 105 | 205 | 180 | 165 | 100 | 13 | 20 | 35 |
| MXV-B EI 32-507 O | 1,5 | 2 | 32 | 160 | 50 | 625 | 286 | 190 | 105 | 205 | 180 | 165 | 100 | 13 | 20 | 35.2 |
| MXV-B EI 32-508 O | 2,2 | 3 | 32 | 160 | 50 | 689 | 286 | 210 | 118 | 205 | 180 | 165 | 100 | 13 | 20 | - |
| MXV-B EI 32-510 O | 2,2 | 3 | 32 | 160 | 50 | 737 | 286 | 210 | 118 | 205 | 180 | 165 | 100 | 13 | 20 | - |
| MXV-B EI 40-903 O | 1,1 | 1,5 | 40 | 200 | 80 | 601 | 286 | 190 | 105 | 250 | 215 | 190 | 130 | 14 | 30,5 | - |
| MXV-B EI 40-904 O | 1,5 | 2 | 40 | 200 | 80 | 601 | 286 | 190 | 105 | 250 | 215 | 190 | 130 | 14 | 30,5 | - |
| MXV-B EI 40-905 O | 2,2 | 3 | 40 | 200 | 80 | 671 | 286 | 210 | 118 | 250 | 215 | 190 | 130 | 14 | 30,5 | - |
| MXV-B EI 40-906 O | 2,2 | 3 | 40 | 200 | 80 | 701 | 286 | 210 | 118 | 250 | 215 | 190 | 130 | 14 | 30,5 | 41 |
| MXV-B EI 40-907 O | 3 | 4 | 40 | 200 | 80 | 755 | 294 | 210 | 118 | 250 | 215 | 190 | 130 | 14 | 30,5 | - |
| MXV-B EI 40-908 O | 3 | 4 | 40 | 200 | 80 | 789 | 294 | 210 | 118 | 250 | 215 | 190 | 130 | 14 | 30,5 | 42.4 |
| MXV-B EI 40-910 O | 3,7 | 5 | 40 | 200 | 80 | 849 | 294 | 210 | 118 | 250 | 215 | 190 | 130 | 14 | 30,5 | - |
| MXV-B EI 50-1502 O | 1,5 | 2 | 50 | 200 | 90 | 598 | 286 | 210 | 118 | 250 | 215 | 196 | 130 | 13 | 25 | - |
| MXV-B EI 50-1503 O | 2,2 | 3 | 50 | 200 | 90 | 686 | 286 | 210 | 118 | 250 | 215 | 196 | 130 | 13 | 25 | - |
| MXV-B EI 50-1504 O | 3 | 4 | 50 | 200 | 90 | 762 | 294 | 210 | 118 | 250 | 215 | 196 | 130 | 13 | 25 | - |
| MXV-B EI 50-1505 O | 4 | 5,5 | 50 | 200 | 90 | 810 | 294 | 210 | 118 | 250 | 215 | 196 | 130 | 13 | 25 | - |
| MXV-B EI 50-1506 O | 5,5 | 7,5 | 50 | 200 | 90 | 886 | 321 | 210 | 118 | 250 | 215 | 196 | 130 | 13 | 25 | - |
| MXV-B EI 50-1507 O | 5,5 | 7,5 | 50 | 200 | 90 | 934 | 321 | 210 | 118 | 250 | 215 | 196 | 130 | 13 | 25 | - |
| MXV-B EI 50-1508 O | 5,5 | 7,5 | 50 | 200 | 90 | 982 | 321 | 210 | 118 | 250 | 215 | 196 | 130 | 13 | 25 | - |
| MXV-B EI 50-1509 O | 7,5 | 10 | 50 | 200 | 90 | 1030 | 368 | 281 | 153 | 250 | 215 | 196 | 130 | 13 | 25 | - |
| MXV-B EI 50-1510 O | 7,5 | 10 | 50 | 200 | 90 | 1078 | 368 | 281 | 153 | 250 | 215 | 196 | 130 | 13 | 25 | - |

## Features



### Wider Range of Application
All parts that come into contact with the liquid, including wet-end covers, are in chrome-nickel stainless steel.
With corrosion-resistant seal rings and guide ring.

### Low Cost Installation
Vertical construction with reduced pump height for installation in small spaces.
In-line connections to simplify the piping layout with the possibility of inserting the pump in straight pipe-lines.
Disassembly, inspection or cleaning of internal parts without removal of piping.

### Robust and Reliable
The suction and discharge nozzles arranged in-line absorb the forces of the piping on the pump without the creation of distorting loads causing local friction and early wears.
The lantern brackets compact and robust design maintains a sure alignment between rotating and fixed parts, reducing vibration.
The upper cover design prevents entrapment of air around the mechanical seal.

### Low-Noise Operation
The water filled shroud around the stages and thick external walls, work together for low-noise operation.