

Product data sheet

Liquid ring vacuum pump

VI series

The water savers

Single-stage close-coupled pumps with internal water retention system with mechanical seal



Description

- » Liquid ring vacuum pump
- » Close-coupled pump
- » Mechanical seal
- » Single-stage
- » Inverted design
- » Internal water retention system
- » Specially selected materials and seals for application-specific designs
- » Oil-free vacuum generation
- » Use of condensed process medium as the operating liquid
- » Liquid carry over at a constant vacuum

Markets and applications

Chemical and pharmaceutical industry

- » Distillation
- » Evaporation
- » Degasification

Food and beverage industry

- » Aspiration
- » Degasification
- » Sterilisers

Medical technology

- » Steam sterilisation systems
- » Lab autoclaves

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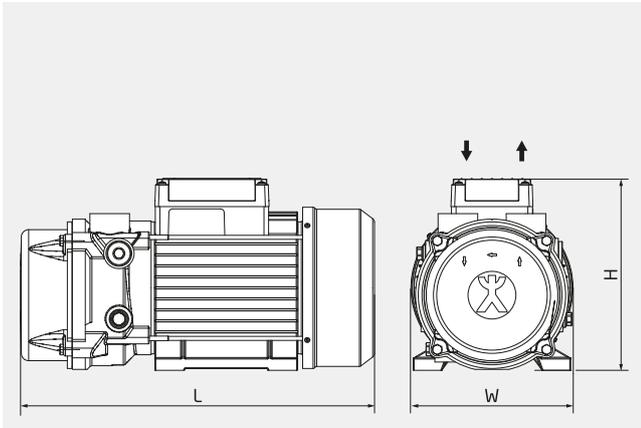
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Make a non-binding enquiry

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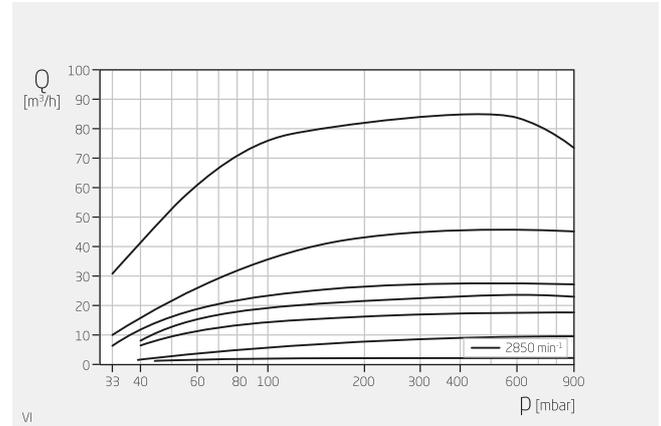
Technical data

International system of units, alternating current 50 Hz



| | |
|---|------------|
| H | 143-209 mm |
| W | 107-170 mm |
| L | 210-287 mm |

Dimensions may vary depending on the design.



Specifications apply for dry air at 20°C at nominal speed and operating water at 15°C.

| | |
|--------------|-------------------------|
| Product type | Liquid ring vacuum pump |
|--------------|-------------------------|

| | |
|--------|---|
| Stages | 1 |
|--------|---|

| | |
|---------------|-----------------|
| Shaft sealing | Mechanical seal |
|---------------|-----------------|

| | |
|-------------|--------------------|
| Pump design | Close-coupled pump |
|-------------|--------------------|

| | |
|---------------|---------------------|
| Typical media | Dry and moist gases |
|---------------|---------------------|

| | |
|----------------|---|
| Variable speed | Frequency-converter-compatible motor on request |
|----------------|---|

| | |
|-----------------------|-------------|
| Suction pressure ext. | 33-800 mbar |
|-----------------------|-------------|

| | |
|------------------|---------------|
| Suction capacity | 2.2-85.0 m³/h |
|------------------|---------------|

| | |
|--------------------|----|
| Motor current type | 3~ |
|--------------------|----|

| | |
|---------------|--------------------|
| Type of motor | Asynchronous motor |
|---------------|--------------------|

| | |
|---------------------|---------------|
| Nominal motor power | 0.12 - 3.0 kW |
|---------------------|---------------|

| | |
|---------------------|----------|
| Nominal motor speed | 2850 rpm |
|---------------------|----------|

| | |
|--------------------------------|----------|
| Suction-side connection design | Threaded |
|--------------------------------|----------|

| | |
|------------------------------|-----------|
| Suction-side connection size | G ¼"-G 1" |
|------------------------------|-----------|

| | |
|---------------------------------|----------|
| Pressure-side connection design | Threaded |
|---------------------------------|----------|

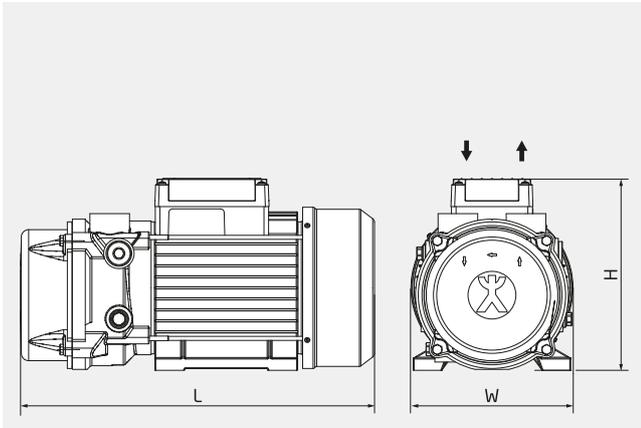
| | |
|-------------------------------|-----------|
| Pressure-side connection size | G ¼"-G 1" |
|-------------------------------|-----------|

| | |
|------------------|---|
| Material designs | Stainless steel Free of non-ferrous metals Grey cast iron |
|------------------|---|

| | |
|----------------------|---|
| Explosion protection | None II 3G, II 3D II 2G, II 2D II 2/2G |
|----------------------|---|

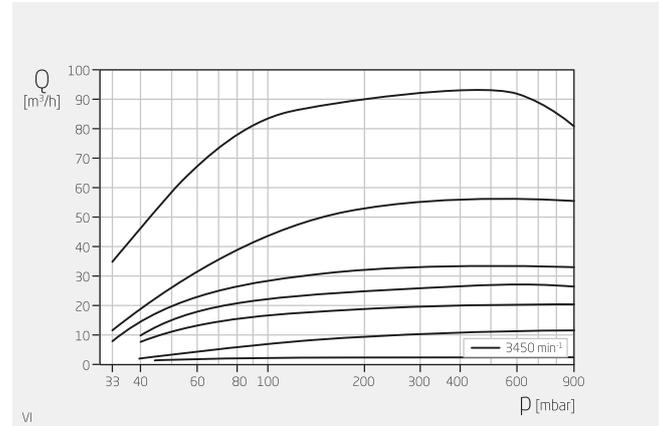
Technical data

International system of units, alternating current 60 Hz



| | |
|---|------------|
| H | 143-209 mm |
| W | 107-170 mm |
| L | 210-287 mm |

Dimensions may vary depending on the design.



Specifications apply for dry air at 20°C at nominal speed and operating water at 15°C.

| | |
|--------------|-------------------------|
| Product type | Liquid ring vacuum pump |
|--------------|-------------------------|

| | |
|--------|---|
| Stages | 1 |
|--------|---|

| | |
|---------------|-----------------|
| Shaft sealing | Mechanical seal |
|---------------|-----------------|

| | |
|-------------|--------------------|
| Pump design | Close-coupled pump |
|-------------|--------------------|

| | |
|---------------|---------------------|
| Typical media | Dry and moist gases |
|---------------|---------------------|

| | |
|----------------|---|
| Variable speed | Frequency-converter-compatible motor on request |
|----------------|---|

| | |
|-----------------------|-------------|
| Suction pressure ext. | 33-800 mbar |
|-----------------------|-------------|

| | |
|------------------|---------------|
| Suction capacity | 2.4-94.0 m³/h |
|------------------|---------------|

| | |
|--------------------|----|
| Motor current type | 3~ |
|--------------------|----|

| | |
|---------------|--------------------|
| Type of motor | Asynchronous motor |
|---------------|--------------------|

| | |
|---------------------|---------------|
| Nominal motor power | 0.18 - 4.0 kW |
|---------------------|---------------|

| | |
|---------------------|----------|
| Nominal motor speed | 3450 rpm |
|---------------------|----------|

| | |
|--------------------------------|----------|
| Suction-side connection design | Threaded |
|--------------------------------|----------|

| | |
|------------------------------|-----------|
| Suction-side connection size | G ¼"-G 1" |
|------------------------------|-----------|

| | |
|---------------------------------|----------|
| Pressure-side connection design | Threaded |
|---------------------------------|----------|

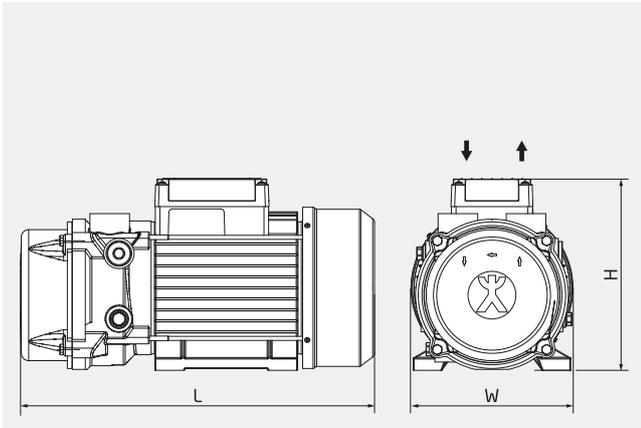
| | |
|-------------------------------|-----------|
| Pressure-side connection size | G ¼"-G 1" |
|-------------------------------|-----------|

| | |
|------------------|---|
| Material designs | Stainless steel Free of non-ferrous metals Grey cast iron |
|------------------|---|

| | |
|----------------------|---|
| Explosion protection | None II 3G, II 3D II 2G, II 2D II 2/2G |
|----------------------|---|

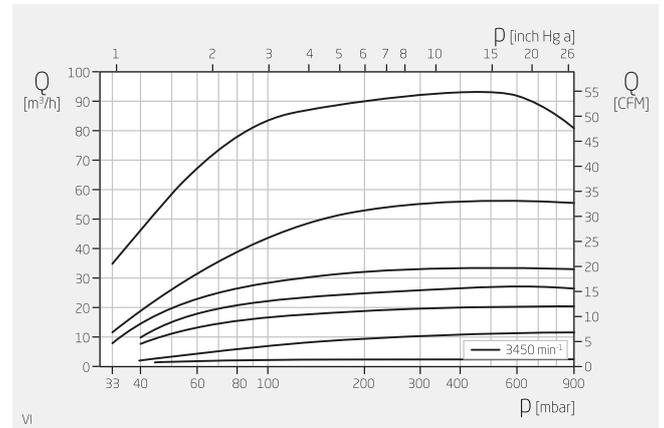
Technical data

Anglo-American system of measurement, alternating current 60 Hz



| | |
|---|-----------------|
| H | 5,63-8,23 inch |
| W | 4,21-6,69 inch |
| L | 8,27-11,30 inch |

Dimensions may vary depending on the design.



Specifications apply for dry air at 68 °F at nominal speed and operating water at 59 °F.

| | |
|--------------|-------------------------|
| Product type | Liquid ring vacuum pump |
|--------------|-------------------------|

| | |
|--------|---|
| Stages | 1 |
|--------|---|

| | |
|---------------|-----------------|
| Shaft sealing | Mechanical seal |
|---------------|-----------------|

| | |
|-------------|--------------------|
| Pump design | Close-coupled pump |
|-------------|--------------------|

| | |
|---------------|---------------------|
| Typical media | Dry and moist gases |
|---------------|---------------------|

| | |
|----------------|---|
| Variable speed | Frequency-converter-compatible motor on request |
|----------------|---|

| | |
|-----------------------|---------------|
| Suction pressure ext. | 1.0-23.6 inHg |
|-----------------------|---------------|

| | |
|------------------|--------------|
| Suction capacity | 1.4-55.3 CFM |
|------------------|--------------|

| | |
|--------------------|----|
| Motor current type | 3~ |
|--------------------|----|

| | |
|---------------|--------------------|
| Type of motor | Asynchronous motor |
|---------------|--------------------|

| | |
|---------------------|-------------|
| Nominal motor power | 0.24-5.4 HP |
|---------------------|-------------|

| | |
|---------------------|----------|
| Nominal motor speed | 3450 rpm |
|---------------------|----------|

| | |
|--------------------------------|----------|
| Suction-side connection design | Threaded |
|--------------------------------|----------|

| | |
|------------------------------|-----------|
| Suction-side connection size | G ¼"-G 1" |
|------------------------------|-----------|

| | |
|---------------------------------|----------|
| Pressure-side connection design | Threaded |
|---------------------------------|----------|

| | |
|-------------------------------|-----------|
| Pressure-side connection size | G ¼"-G 1" |
|-------------------------------|-----------|

| | |
|------------------|---|
| Material designs | Stainless steel Free of non-ferrous metals Grey cast iron |
|------------------|---|

| | |
|----------------------|---|
| Explosion protection | None II 3G, II 3D II 2G, II 2D II 2/2G |
|----------------------|---|