

# MVCP-0100-515

Claw compressors



## Predictable

- Stable behaviour under real operating conditions.
- Fewer adjustments. Fewer deviations.
- Costs under control from day one.



## Accessible

- Quick, straightforward maintenance.
- Direct access to critical components.
- No unnecessary dependencies.



## Direct response

- Direct intervention, no middlemen.
- We act on the complete system to reduce downtime and ensure continuity.

## BUILT FOR RELIABLE PLANT OPERATION

### Design built around real-world operation

Optimised for continuous duty

Stability under process conditions

### Hassle-free maintenance

Direct access to key components

Fewer points of failure

### Components built to last

Thermal stability

Less operational wear

### Configured to the application

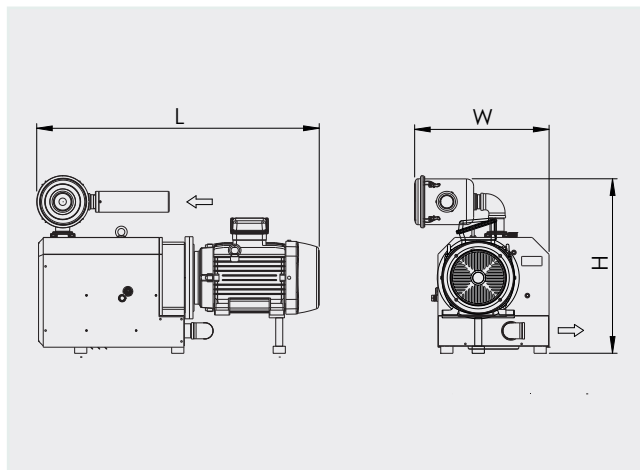
Variable speed drives, monitoring, versions (ATEX, Aqua, O2), tailored filtration

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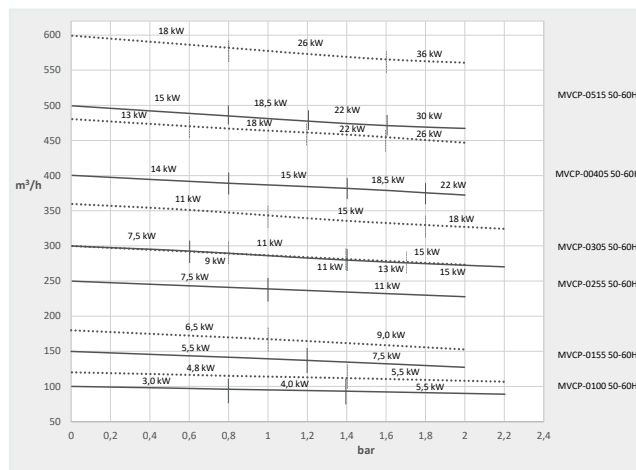
Claw compressors



## DIMENSIONS



## PERFORMANCE CURVE



## TECHNICAL SPECIFICATIONS

|                               | MVCP-0100                                                                                                                                     | MVCP-0155                                                                                                 | MVCP-0255                                                                                                                                                                              |
|-------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Nominal pumping speed</b>  | 100 / 120 m³/h (50 / 60 Hz)                                                                                                                   | 150 / 180 m³/h (50 / 60 Hz)                                                                               | 250 / 300 m³/h (50 / 60 Hz)                                                                                                                                                            |
| <b>Operating pressure</b>     | 0.8 bar (50 / 60 Hz) 1.4 bar (50 / 60 Hz) 2.2 bar (50 / 60 Hz)                                                                                | 1.0 / 1.0 bar (50 / 60 Hz) 2.0 / 2.0 bar (50 / 60 Hz)                                                     | 1.0 / 0.8 bar (50 / 60 Hz) – / 1.4 bar (50 / 60 Hz) 2.0 / 1.8 bar (50 / 60 Hz) – / 2.2 bar (50 / 60 Hz)                                                                                |
| <b>Nominal motor rating</b>   | 3 / – kW (50 / 60 Hz) 4 / 4.8 kW (50 / 60 Hz) 5.5 / 6.5 kW (50 / 60 Hz)                                                                       | 6.5 / 6.5 kW (50 / 60 Hz) 7.5 / 9 kW (50 / 60 Hz)                                                         | 7.5 / 9 kW (50 / 60 Hz) – / 11 kW (50 / 60 Hz) 11 / 13 kW (50 / 60 Hz) – / 15 kW (50 / 60 Hz)                                                                                          |
| <b>Nominal motor speed</b>    | 2850 / 3450 rpm (50 / 60 Hz)                                                                                                                  | 2850 / 3450 rpm (50 / 60 Hz)                                                                              | 2850 / 3450 rpm (50 / 60 Hz)                                                                                                                                                           |
| <b>Noise level (ISO 2151)</b> | 81 / 83 dB(A) (50 / 60 Hz)                                                                                                                    | 80 / 82 dB(A) (50 / 60 Hz)                                                                                | 73 / 82 dB(A) (50 / 60 Hz)                                                                                                                                                             |
| <b>Approx. weight</b>         | 108 kg 120 kg 140 kg                                                                                                                          | ≈ 131 kg                                                                                                  | ≈ 233 kg                                                                                                                                                                               |
| <b>Dimensions (L x W x H)</b> | 717 × 488 × 618 mm / – (50 / 60 Hz) 742 × 488 × 673 mm / 778 × 488 × 673 mm (50 / 60 Hz) 778 × 488 × 673 mm / 778 x 488 × 673 mm (50 / 60 Hz) | 903 × 431 × 403 mm / 903 x 431 × 403 mm (50 / 60 Hz) 903 × 431 × 403 mm / 941 x 431 × 403 mm (50 / 60 Hz) | 961 × 573 × 757 mm / 1001 x 573 × 757 mm (50 / 60 Hz) – / 1171 × 573 × 757 mm (50 / 60 Hz) 1171 × 573 × 757 mm / 1171 x 573 × 757 mm (50 / 60 Hz) – / 1171 × 573 × 757 mm (50 / 60 Hz) |
| <b>Gas inlet / outlet</b>     | G 1 1/2" / G 1 1/2"                                                                                                                           | G 1 1/2" / G 1 1/2"                                                                                       | G 2" / G 2"                                                                                                                                                                            |

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|                               | MVCP-0305                                              | MVCP-0405                                                | MVCP-0515                                                |
|-------------------------------|--------------------------------------------------------|----------------------------------------------------------|----------------------------------------------------------|
| <b>Nominal pumping speed</b>  | 300 / 360 m <sup>3</sup> /h (50 / 60 Hz)               | 400 / 480 m <sup>3</sup> /h (50 / 60 Hz)                 | 500 / 600 m <sup>3</sup> /h (50 / 60 Hz)                 |
| <b>Operating pressure</b>     | 0.6 / – bar (50 / 60 Hz)                               | 0.8 / 0.6 bar (50 / 60 Hz)                               | 0.8 / 0.8 bar (50 / 60 Hz)                               |
|                               | 1.4 / 1.2 bar (50 / 60 Hz)                             | 1.4 / 1.2 bar (50 / 60 Hz)                               | 1.2 / – bar (50 / 60 Hz)                                 |
|                               | 2.2 / 2.2 bar (50 / 60 Hz)                             | 1.8 / 1.6 bar (50 / 60 Hz)                               | 1.6 / 1.6 bar (50 / 60 Hz)                               |
|                               |                                                        | 2.0 / 2.0 bar (50 / 60 Hz)                               | 2.0 / 2.0 bar (50 / 60 Hz)                               |
| <b>Nominal motor rating</b>   | 7.5 / – kW (50 / 60 Hz)                                | 11 / 13 kW (50 / 60 Hz)                                  | 15 / 18 kW (50 / 60 Hz)                                  |
|                               | 11 / 13 kW (50 / 60 Hz)                                | 15 / 18 kW (50 / 60 Hz)                                  | 18.5 / – kW (50 / 60 Hz)                                 |
|                               | 15 / 18 kW (50 / 60 Hz)                                | 18.5 / 22 kW (50 / 60 Hz)                                | 22 / 26 kW (50 / 60 Hz)                                  |
|                               |                                                        | 22 / 26 kW (50 / 60 Hz)                                  | 30 / 36 kW (50 / 60 Hz)                                  |
| <b>Nominal motor speed</b>    | 2850 / 3450 rpm (50 / 60 Hz)                           | 2850 / 3450 rpm (50 / 60 Hz)                             | 2850 / 3450 rpm (50 / 60 Hz)                             |
| <b>Noise level (ISO 2151)</b> | 73 / 82 dB(A) (50 / 60 Hz)                             | 81 / 83 dB(A) (50 / 60 Hz)                               | 81 / 83 dB(A) (50 / 60 Hz)                               |
| <b>Approx. weight</b>         | ≈ 255 kg                                               | ≈ 364 kg                                                 | ≈ 450 kg                                                 |
| <b>Dimensions (L x W x H)</b> | 973 × 573 × 757 mm / – (50 / 60 Hz)                    | 1274 × 672 × 1003 mm / 1274 x 672 × 1003 mm (50 / 60 Hz) | 1289 × 672 × 1003 mm / 1289 x 672 × 1003 mm (50 / 60 Hz) |
|                               | 1183 × 573 × 757 mm / 1183 x 573 × 757 mm (50 / 60 Hz) | 1274 × 672 × 1003 mm / 1274 x 672 × 1003 mm (50 / 60 Hz) | 1289 × 672 × 1003 mm / – (50 / 60 Hz)                    |
|                               | 1183 × 573 × 757 mm / 1183 x 573 × 757 mm (50 / 60 Hz) | 1274 × 672 × 1003 mm / 1340 x 672 × 1003 mm (50 / 60 Hz) | 1355 × 672 × 1003 mm / 1410 x 672 × 1003 mm (50 / 60 Hz) |
|                               |                                                        | 1340 × 672 × 1003 mm / 1395 x 672 × 1003 mm (50 / 60 Hz) | 1410 × 672 × 1003 mm / 1410 x 672 × 1003 mm (50 / 60 Hz) |
|                               |                                                        |                                                          |                                                          |
|                               |                                                        |                                                          |                                                          |
| <b>Gas inlet / outlet</b>     | G 2" / G 2"                                            | G 3" / G 3"                                              | G 3" / G 3"                                              |

**NEED INFORMATION ABOUT MVCP-0100-515?**  
**FULL DETAILS ON OUR WEBSITE**

[marpavacuum.com/en](http://marpavacuum.com/en)

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by scanning this QR code

