

Boxer Pumps > Products > Diaphragm Pump

3K diaphragm pump with DC Motor.

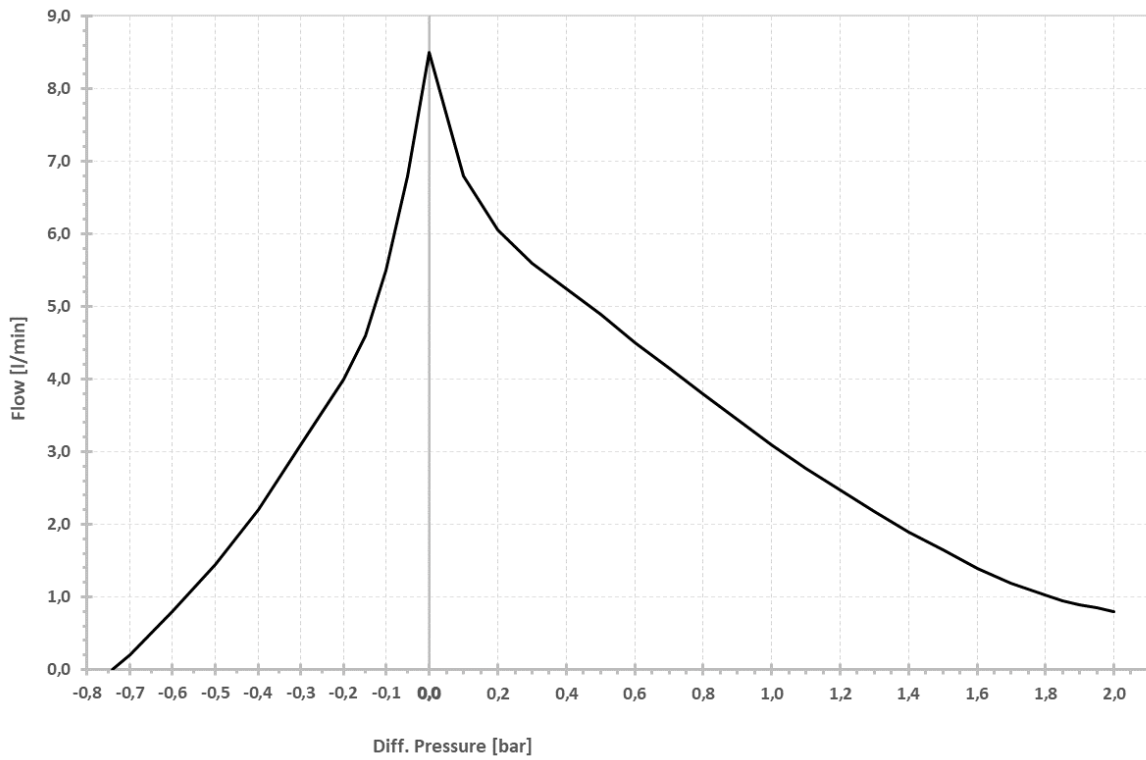


## Technical Data

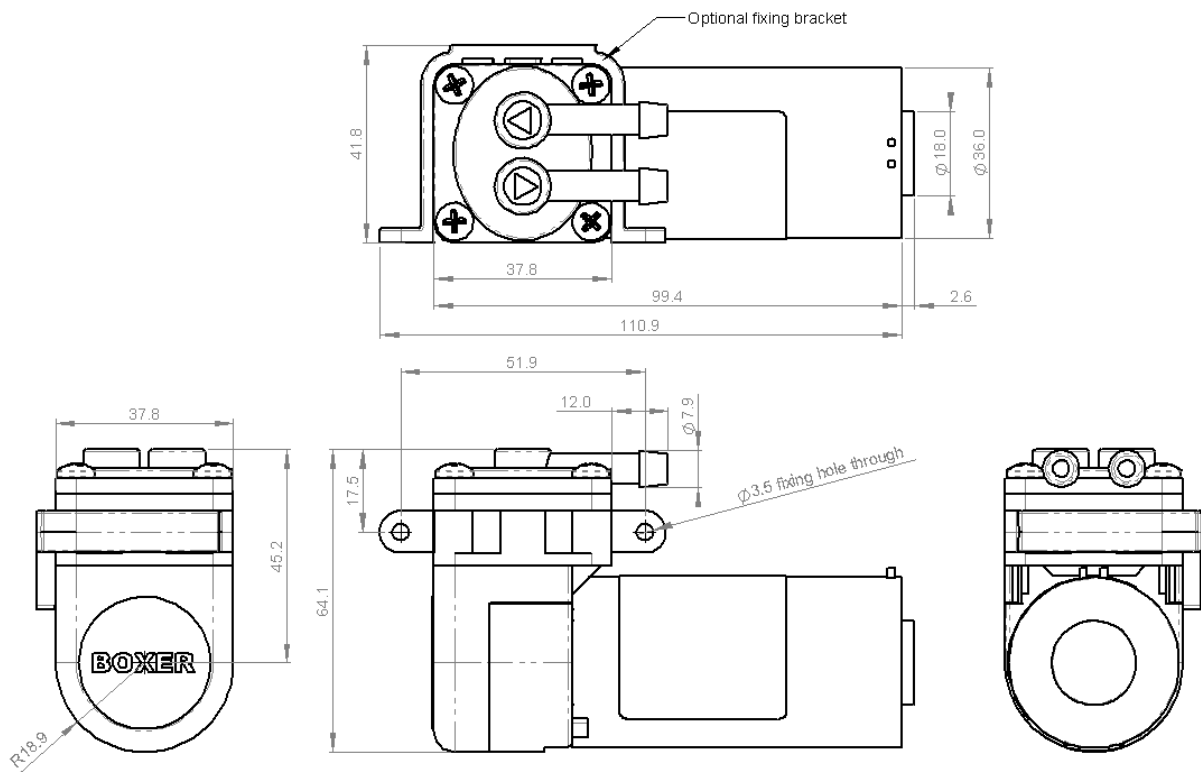
|   |  |
|---|--|
| Free Flow   | 8.5 l/min  |
| Max Intermittent Pressure / Max Continuous Pressure | 2.0 / 2.0 bar  |
| Max Intermittent Vacuum / Max Continuous Vacuum     | -740 / -740 mbar                                     |
| Voltage Options                                     | 12 / 24 V DC   |
| Power Consumption                                   | 4.5 to 10.0 W  |
| Terminal Resistance                                 | 1.7 Ω / 6.5 Ω (12 V / 24 V)                          |
| Wire Length   | 300 mm (7 mm stripped / tinned)                      |
| Wire Colours  | Red (+V), Black (GND)                                |
| Wire Gauge  | 22 AWG   |
| EMC Suppression                                     | 2 x L ( 2 x 3.9 μH)                                  |
| Max. Motor Surface Temperature                      | 80 °C  |
| Motor Insulation Class                              | E  |
| Recommended PWM Frequency                           | > 16 kHz   |
| Max Ambient Operating Temperature                   | 50 °C  |
| Max Media Temperature                               | 100 °C   |
| Elastomer Options:                                  |  |
| Diaphragm   | <b>EPDM</b> / Nitrile / Viton / Silicone             |
| Valves  | EPDM / Nitrile / Viton / <b>Silicone</b>             |
| O-Rings   | EPDM / Nitrile / Viton / <b>Silicone</b>             |
| Eccentric Options:                                  | 0.8 / 1.0 / <b>2.0</b> mm                            |
| Other Wetted Parts                                  | PPS (polyphenylene sulphide)                         |
| Mounting  | Supplied with mounting bracket (see drawing, page 2) |
| Flow Control  | → <a href="#">PWM Flow Controller</a>                |
| Weight  | 385 g  |

**Bold** indicates configuration applicable to this datasheet

## Flow Curve



## Drawing



Links to Drawing and STEP file:

→ [Drawing \(.png\)](#)

→ [STEP \(.zip\)](#)

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## Order Information

| Part Number | Description |
|-------------|-------------|
| 3111.129    | 3K 12 V DC  |
| 3111.252    | 3K 24 V DC  |

Please enquire for part numbers of other configurations.

## BOX-it (Webshop for online purchase)

Sample quantities are available for direct online purchase:



→ [BOX-it](#)

## Additional Information (Links):

→ [3K Webpage](#)

→ [Boxer diaphragm pump overview](#)

All data is representative for initial selection purposes. It is the responsibility of the user to determine suitability for the intended use. Technical changes reserved.