

7 Series - Small Piston Air Pump

Model:BD-07AB-M18L

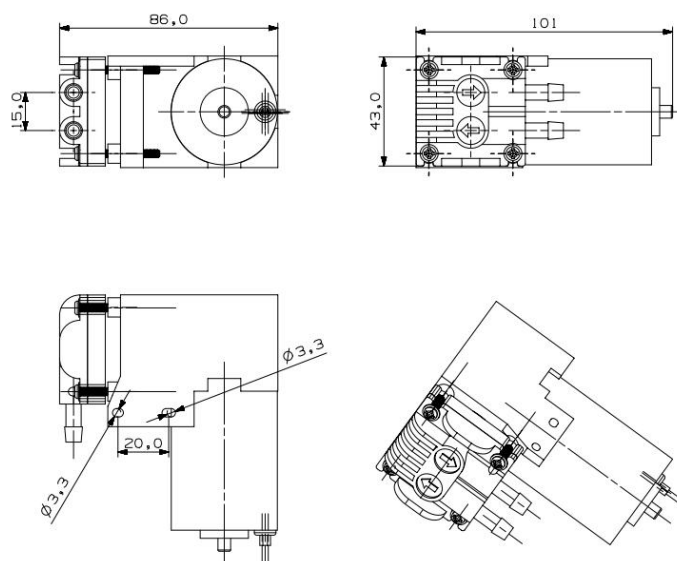
Pneumatic Data	
Maximum Pressure (Positive Pressure)	5.5 bar (550kPa/0.55Mpa)
Maximum Flow(@0 kPa)	18L/min
Electrical Data	
Motor Type	DC Brushless Motor
Rated Voltage	12V DC
No-load Current	≤ 2 A
Noise From 30cm	65 dB
Working Mode	Intermittent
Life Time	3000-5000 hours
Other Data	
Inlet/Outlet Diameter	Φ4.0 mm/Φ7 mm
Dimensions	101x86x43 mm
Weight	570 g
Pump Head/Body Material	Aluminum alloy/PPS
Valve Material	High temperature and pressure resistance
Operating Environment Temperature	5-40℃



Features

- Compact miniature piston air pump with a maintenance-free design
- Precision-engineered, oil-free, high-flow and high-pressure performance
- Brushless DC motor; pump life exceeds 4000 hours under no-load test conditions.

Dimensional Outline Drawing (Unit:mm)



Optional Accessories (Sold Separately)

Check Valve, Muffler, Air Filter,

Metal Spring Damping Plate, Silicone Shock Bracket



Usage and Attention

- 1.Red wire: Power positive (+). Black wire: Power negative (-). PWM speed control is optional.
- 2.For high-pressure operation, provide ventilation openings and a cooling fan. Keep the ambient temperature below 40° C and the motor surface temperature below 70° C. Intermittent operation is recommended.
- 3.Do not operate the pump beyond its specified voltage, pressure, flow or other maximum ratings. Damage caused by operation outside these limits is not covered by the warranty.
3. The warranty does not cover damage or reduced service life caused by dust, water droplets, insects or other foreign matter entering the pump.
- 5.Keep the pump and motor clean and dry. Use suitable protective measures or an inlet filter where contamination may be present.