

7 Series - Small Piston Air Pump

Model:BD-07A-M18L

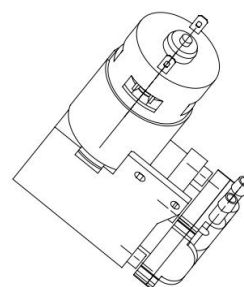
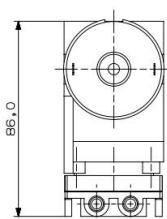
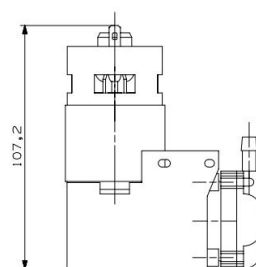
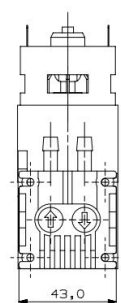
Pneumatic Data	
Maximum Pressure (Positive Pressure)	5.5 bar (550kPa/0.55Mpa)
Maximum Flow(@0 kPa)	18L/min
Electrical Data	
Motor Type	DC Brush Motor
Rated Voltage	12V DC
No-load Current	≤2 A
Noise From 30cm	65 dB
Working Mode	Intermittent
Life Time	800-1000 hours
Other Data	
Inlet/Outlet Diameter	Φ4 mm/Φ7 mm
Dimensions	107.2x86x43 mm
Weight	600 g
Pump Head/Body Material	Aluminum alloy/PPS
Valve/Piston Cup Material	Custom High-Temperature and High-Pressure-Resistant
Operating Environment Temperature	5-40℃



Features

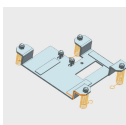
- Compact small piston air pump with a maintenance-free design
- Precision-engineered, oil-free, high-flow and high-pressure performance
- Brushed DC motor; pump life exceeds 1000 hours under no-load test conditions.

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 or red terminal mark: Power positive (+). Black wire: Power negative (-).
- 2.High-pressure operation generates additional heat. Provide adequate ventilation and install a cooling fan if necessary. Keep the ambient temperature below 40° C and the motor surface temperature below 70° C. Intermittent operation is recommended, with each operating cycle limited to approximately 5 – 15 minutes and sufficient cooling time between cycles.
- 3.Do not operate the pump beyond its specified voltage, pressure, flow or other maximum ratings. 4.Damage caused by operation outside these limits is not covered by the warranty.
- 4.The warranty does not cover damage or reduced service life caused by dust, water droplets, insects or other foreign matter entering the pump or motor.
- 5.Keep the pump and motor clean and dry. Use suitable protective measures or an inlet filter where contamination may be present.