

Diaphragm type Vacuum Pumps DA-241S

DA(P/T/L) Series



Outline

This is a vacuum pump that evacuates by the reciprocating motion of a rubber thin film (diaphragm). Simple structure and easy handling. DA series is a standard type.

Features and Cautions on use

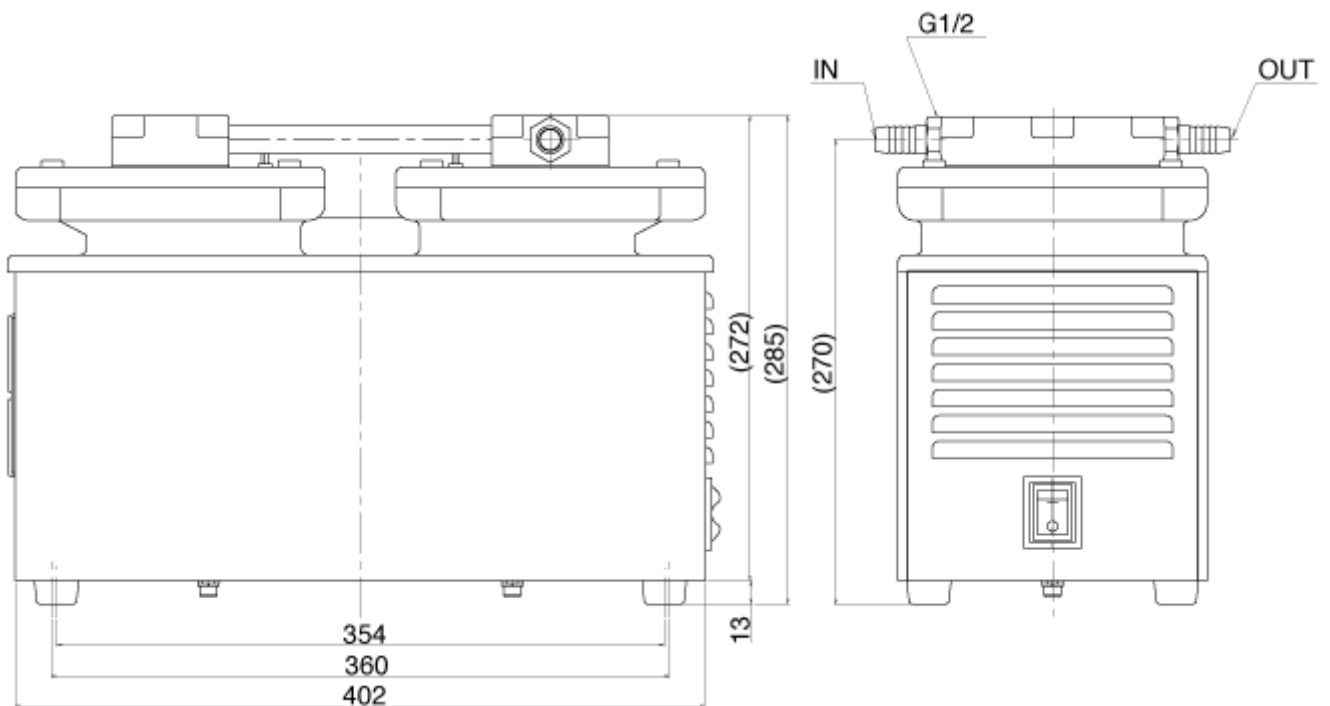
- Diaphragm type pump creates vacuum by reciprocate movement of rubber diaphragms. Pump structure makes Oil-free environment and maintenance easy. Various pumping speed and two/single stages are selectable depends on your required pressure and pumping volume.

Specification

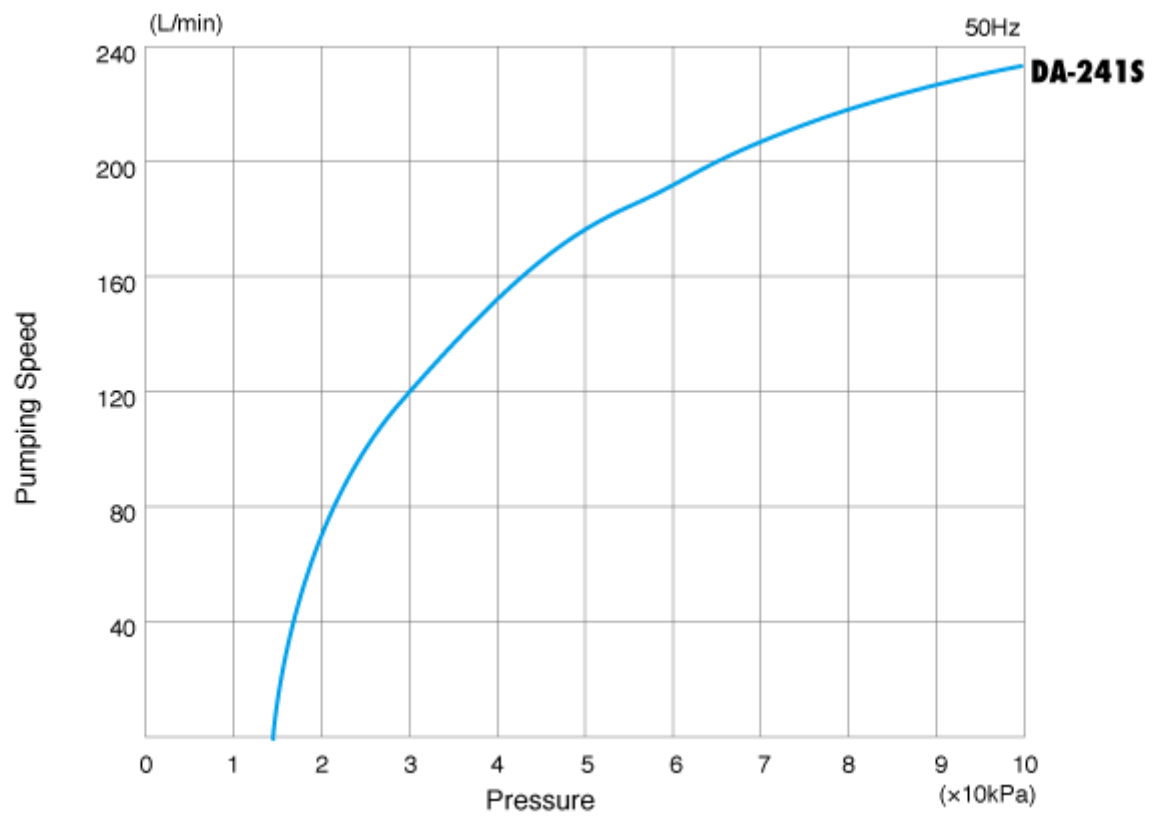
| Item | Unit | 50Hz | 60Hz |
|-----------------------------|-------|-----------------------------|------|
| Actual Pumping Speed | L/min | 240 | 260 |
| Ultimate Pressure | Pa | 16.0×10 ³ | |
| | kPa | -85.3 #1 | |
| Motor Output | W | 400 | |
| Weight | kg | 26 | |
| Inlet, Outlet port diameter | mm | O.D. φ 16×I.D. φ 12 (G 1/2) | |
| Ambient temperature | °C | 0~40 | |
| Overall dimensions | mm | 207(W) × 411(L) × 285(H) | |
| RoHS applied | | ● | |

#1: Gauge pressure

Outline Drawing



Pumping Speed Curves



Remarks

- The pump is stopped when the load is operated, and the pump can't be operated just after that. In this case, please return the atmospheric pressure the inside of the pump.
- The pump will not often operate normally if it is used with corrosive gases, organic solvents, liquids, or condensed gases (eg steam). The pump will not often operate normally if it is used with gases containing particles or dust etc.
- It is a pump only in the room. Please do not set it up in the place, that rain and water splash, and outdoors.
- It may cause the failure of the pump if it is used for long hours
- close to the atmospheric pressure.

Applied optional part items

| No. | Category name | Series | Name |
|-----|-----------------------|------------------------|-------------------------------|
| 1 | Maintenance Kit | Maintenance Kit Series | Maintenance Kit for DA-241S |
| 2 | Anti-vibration Rubber | Anti-vibration Rubber | Anti-vibration rubber (ME-15) |
| 3 | Anti-vibration Rubber | Anti-vibration Rubber | Anti-vibration rubber (ME-20) |
| 4 | Anti-vibration Rubber | Anti-vibration Rubber | Anti-vibration rubber (ME-25) |

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