



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

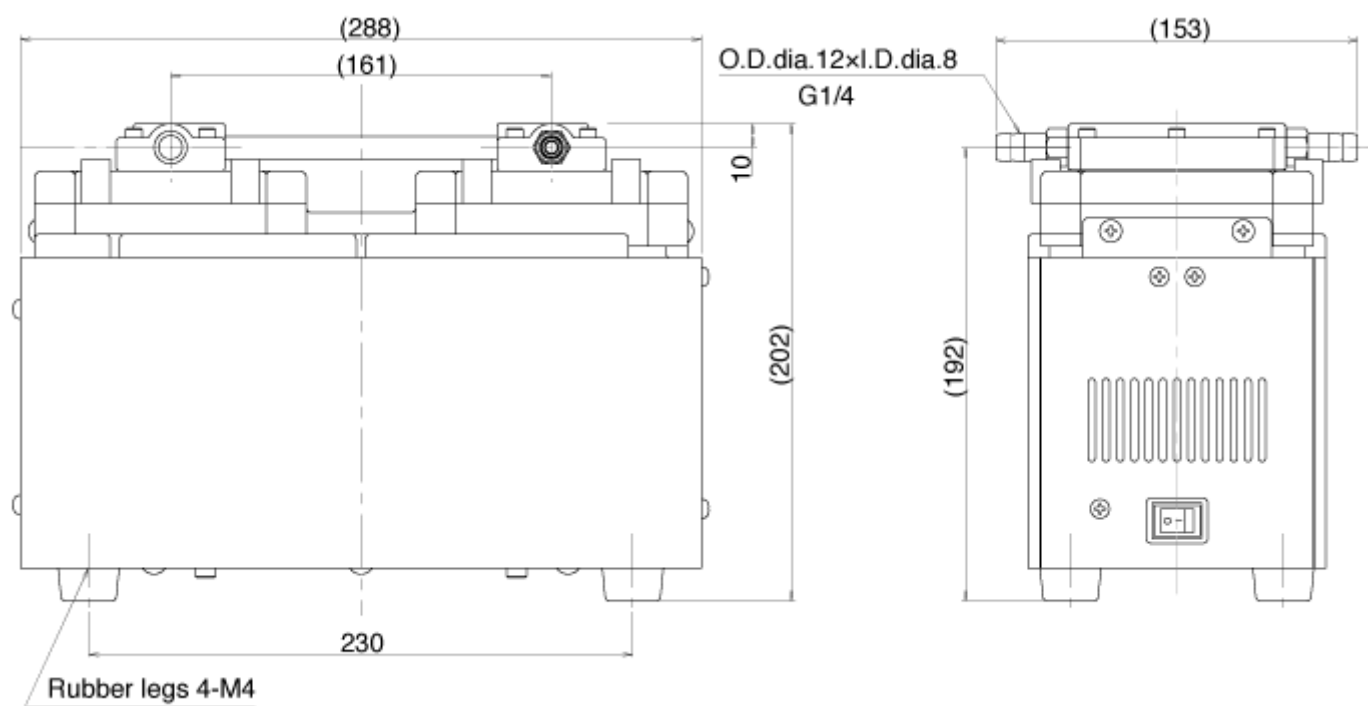
- Diaphragm type pump creates vacuum by reciprocate movement of rubber diaphragms. Pump structure makes Oil-free environment and maintenance easy. Various pumping speed and two/single stages are selectable depends on your required pressure and pumping volume.

Specification

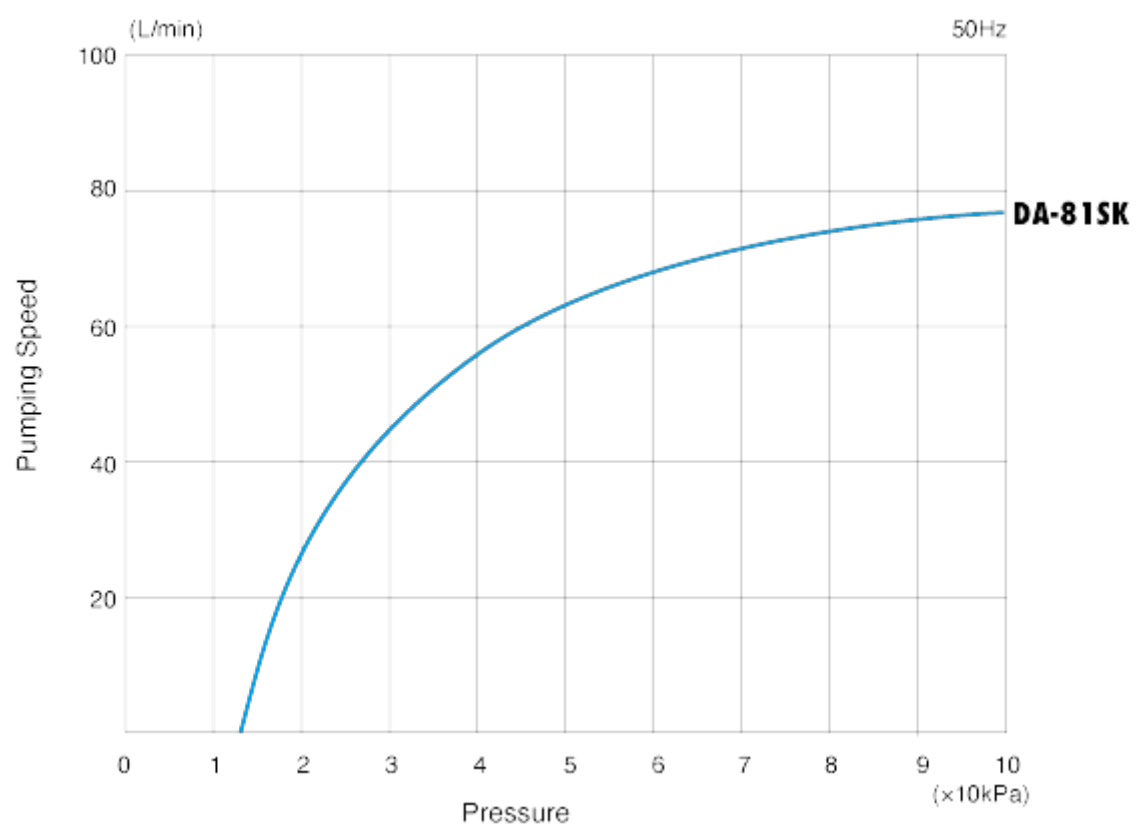
Item	Unit	50Hz	60Hz
Actual Pumping Speed	L/min	75	85
Ultimate Pressure	Pa	13.3×10 ³	
	kPa	-88 ^{#1}	
Motor Output	W	100	
Weight	kg	10.2	
Inlet, Outlet port diameter	mm	O.D. ϕ 12×I.D. ϕ 8 (G 1/4)	
Ambient temperature	℃	0~40	
Overall dimensions	mm	153(W) × 288(L) × 202(H)	
RoHS applied		●	

^{#1}: Gauge pressure

Outline Drawing



Pumping Speed Curves



Remarks

- The pump is stopped when the lord 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 atomospheric pressure.

Applied optional part items

No.	Category name	Series	Name
1	Maintenance Kit	Maintenance Kit Series	Maintenace Kit for DA-81S/81SK

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