

Outline

This is a vacuum pump that evacuates by reciprocating the piston in the cylinder. Simple structure and easy handling.

Features and Cautions on use

- Rocking piston type vacuum pump creates vacuum by reciprocal motion of cup packing inside the cylinder.

Specification

Item	Unit	50Hz	60Hz
Actual Pumping Speed	L/min	420	460
Ultimate Pressure	Pa	17.3×10 ³	
	kPa	-84 ^{#1}	
Motor Output	W	550	
Weight	kg	33	
Inlet, Outlet port diameter	mm	O.D. ϕ 26×I.D. ϕ 20 (Rc 3/4)	
Ambient temperature	℃	0~40	
Overall dimensions	mm	310(W) × 523(L) × 253(H)	
RoHS applied		●	

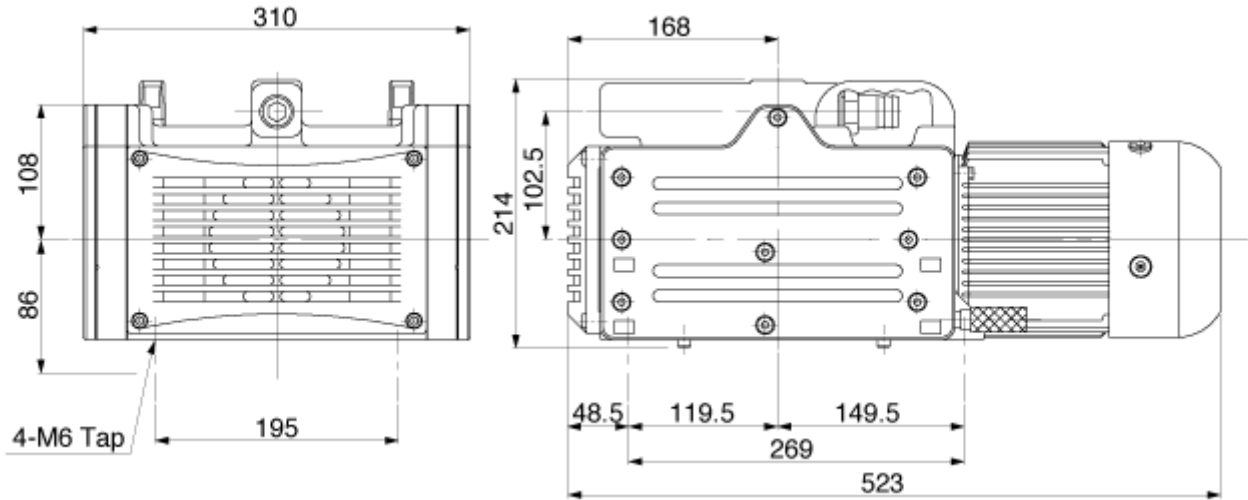
#1: Gauge pressure

Power Supply/Voltage

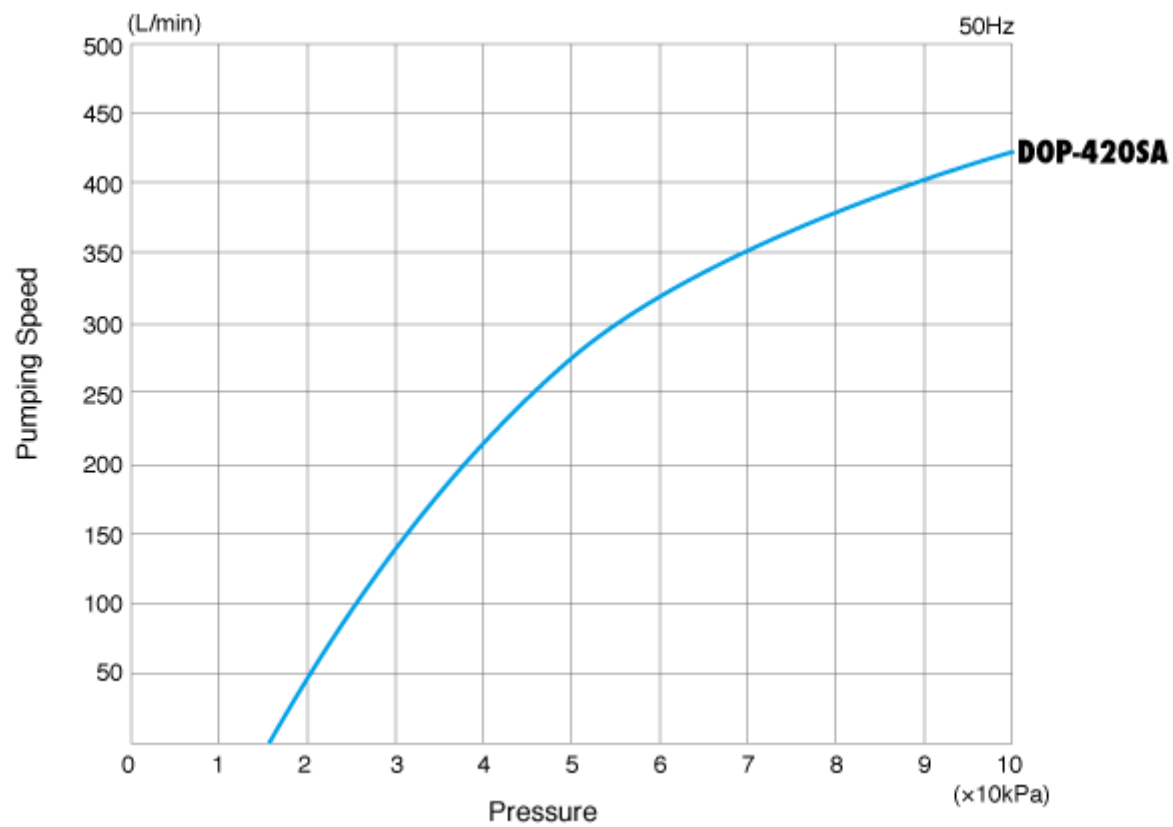
Voltage	Certificate	Remarks
Three phase, 200-220V	CE, TUV	

■TUV Certification: A high-quality product that complies with European standards as assessed by an international third party that conducts product safety testing and certification.

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.
- Cup packing that is the sliding material of the pump will be worn out by operating, and microscopic particles result from wear of component. Moreover, wear is promoted because the sliding material is weak in moisture, and the pump life decreases if the vacuum gas is moisture. Please suck neither moisture nor condensed gas (steam 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.

Applied optional part items

No.	Category name	Series	Name
1	Maintenance Kit	Maintenance Kit Series	Maintenace Kit for DOP-420S
2	Anti-vibration Rubber	Anti-vibration Rubber	Anti-vibration rubber (KA-25)

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