

Diaphragm type Vacuum Pumps DTC-120

DTC Series



Outline

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

Features and Cautions on use

- All contacted parts of the gas are made of PTFE and FPM.
- Suitable for pumping out corrosive gas or organic solvent.
- High vacuum down to 1000Pa.
- Compact.

Specification

Item	Unit	50Hz	60Hz
Actual Pumping Speed	L/min	120	140
Ultimate Pressure	Pa	1.0×10 ³	
	kPa	-100.3 ^{#1}	
Motor Output	W	400	
Weight	kg	27.5	
Inlet, Outlet port diameter	mm	O.D. φ 16×I.D. φ 10 (G 1/2)	
Ambient temperature	°C	0~40	
Overall dimensions	mm	203(W) × 411(L) × 300(H)	
RoHS applied		●	

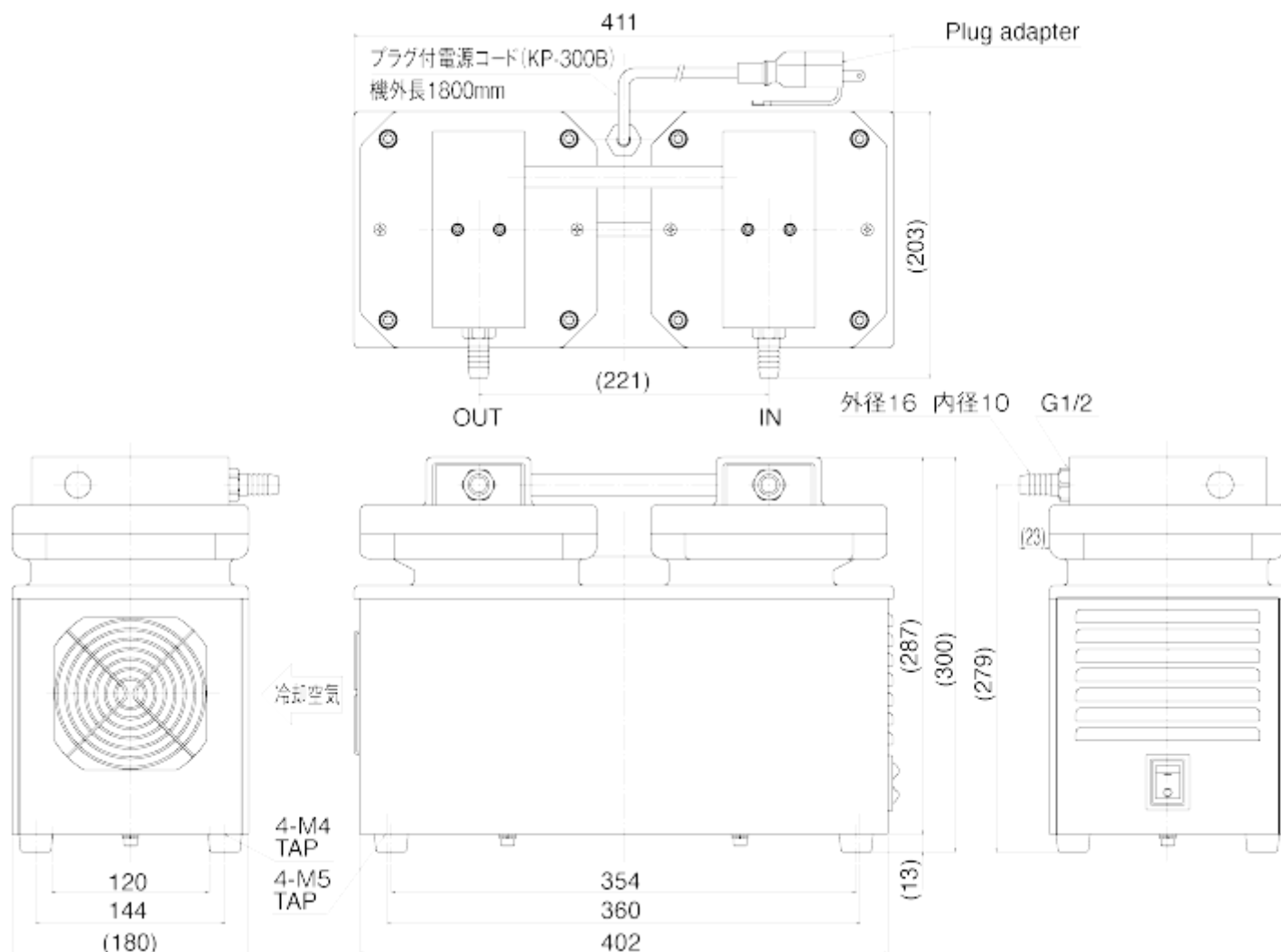
#1: Gauge pressure

Power Supply/Voltage

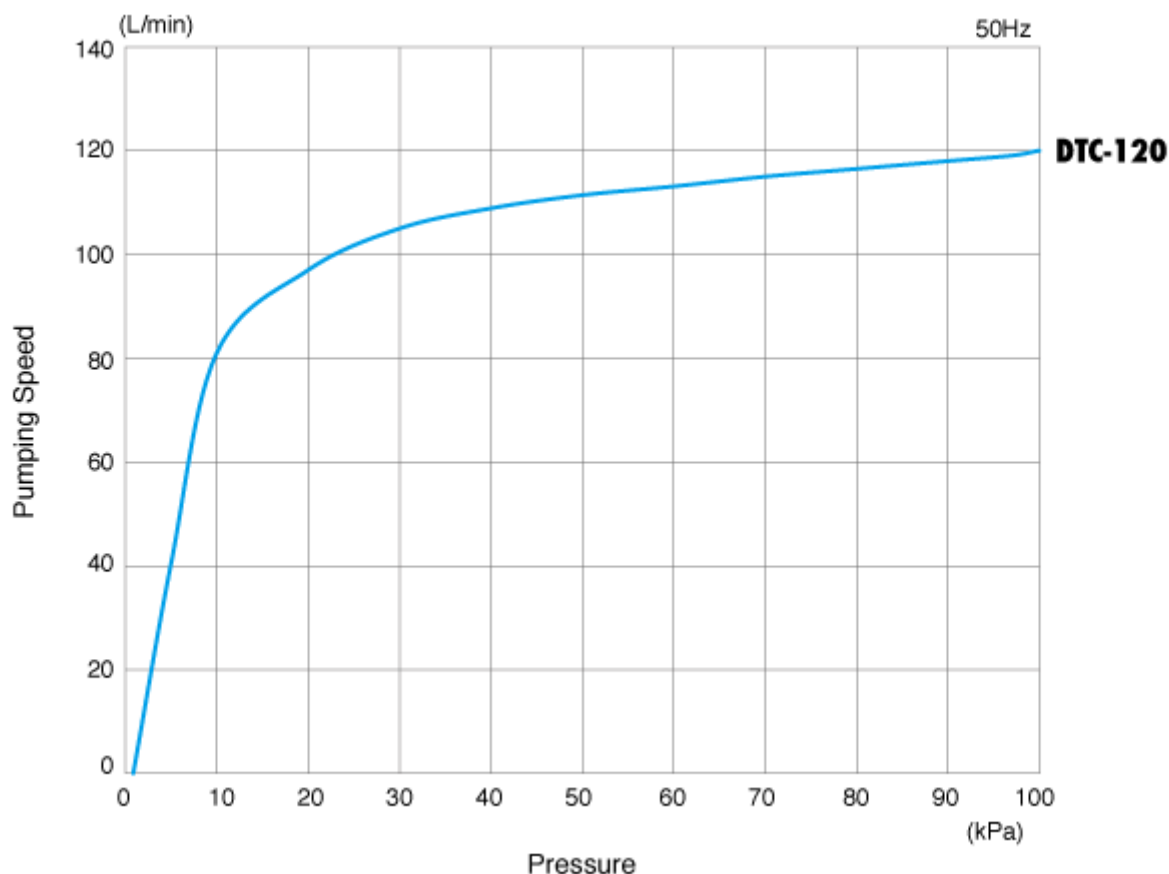
Voltage	Certificate	Remarks
Single phase, 100V	—	
Single phase, 100V	CE, TUV, cTUVus	DTC-120D
Single phase, 115V	CE, TUV, cTUVus	DTC-120E
Single phase, 200V	CE, TUV, cTUVus	DTC-120F
Single phase, 220-230V	CE, TUV, cTUVus	DTC-120G

■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 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.
- Please make sure the particles or dust may not come inside the pump directly. In case of pumping the gas containing the moisture, dust or so, that must be removed.
- 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.
- Due to the regulation of forex law and foreign trade law, this product is applied to the export controlled products. Please
- make sure to follow the rule of export license application and so on.
- In case of discarding the pump, please follow the law and make sure it will not be shipped illegally.

Applied optional part items

No.	Category name	Series	Name
1	Anti-vibration Rubber	Anti-vibration Rubber	Anti-vibration rubber (ME-15)
2	Anti-vibration Rubber	Anti-vibration Rubber	Anti-vibration rubber (ME-20)
3	Anti-vibration Rubber	Anti-vibration Rubber	Anti-vibration rubber (ME-25)

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