



## 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	40	46
Ultimate Pressure	Pa	1.0×10 <sup>3</sup>	
	kPa	-100.3 #1	
Motor Output	W	100	
Weight	kg	10.2	
Inlet, Outlet port diameter	mm	O.D. φ 9×I.D. φ 6 (G 1/4)	
Ambient temperature	°C	0~40	
Overall dimensions	mm	136(W) × 288(L) × 202(H)	
RoHS applied		●	

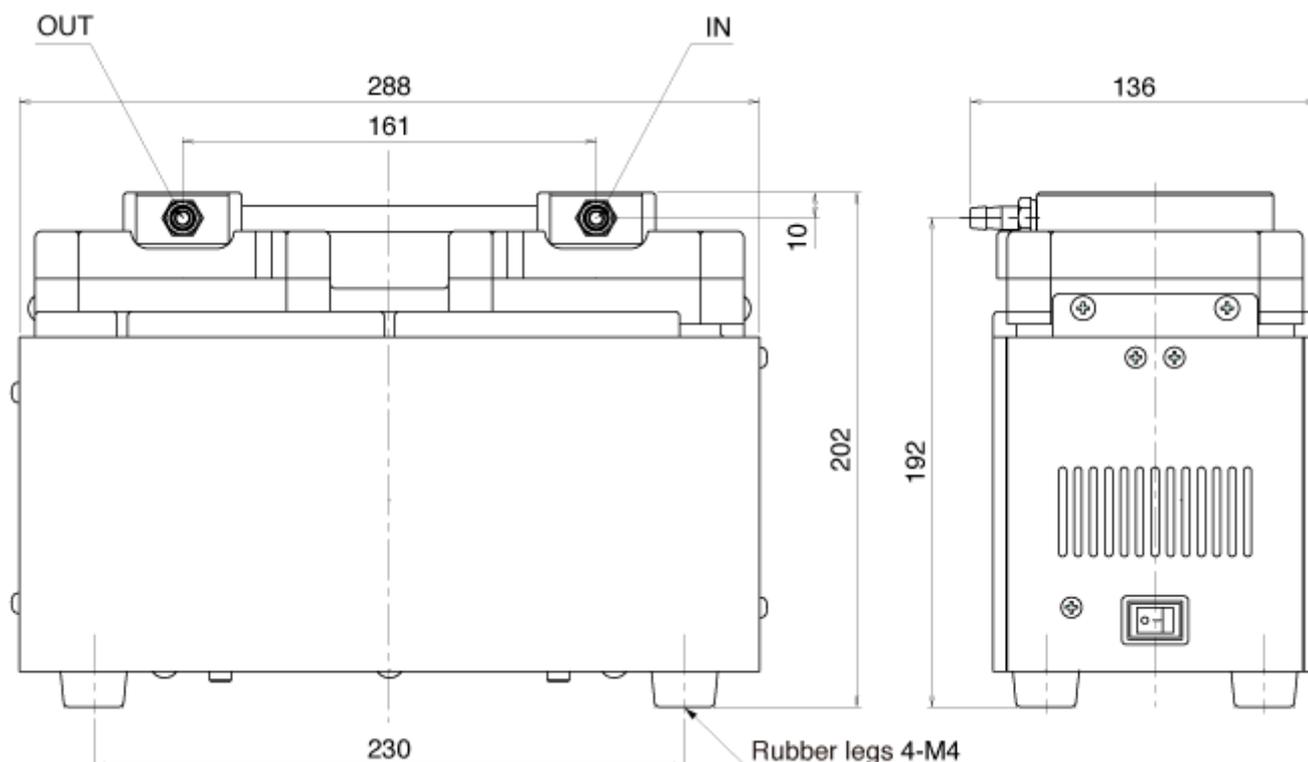
#1: Gauge pressure

## Power Supply/Voltage

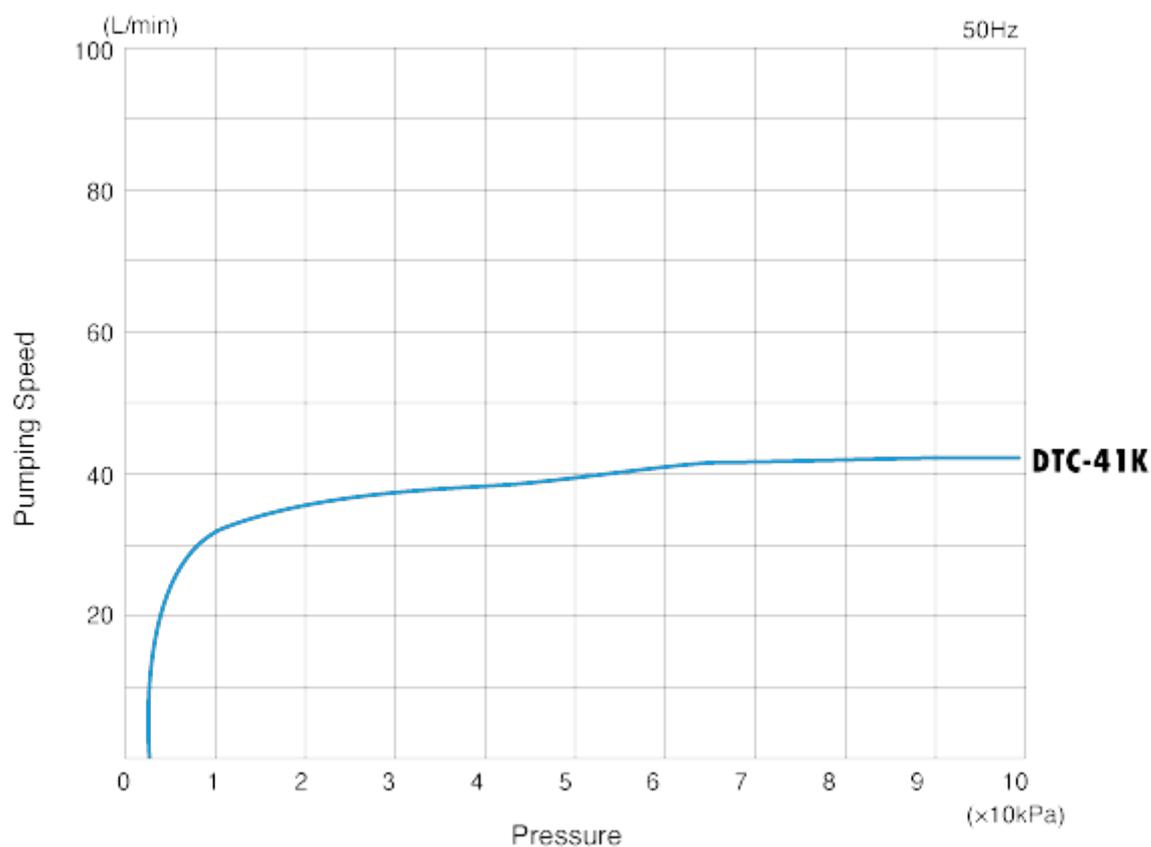
Voltage	Certificate	Remarks
Single phase, 100V	—	
Single phase, 115V	CE, TUV, cTUVus	DTC-41KC
Single phase, 200V	CE, TUV, cTUVus	DTC-41KD
Single phase, 220V	CE, TUV, cTUVus	DTC-41KE
Single phase, 230V	CE, TUV, cTUVus	DTC-41KF

■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.

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