



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 ³ | |
| | kPa | -100.3 ^{#1} | |
| Motor Output | W | 100 | |
| Weight | kg | 10.3 | |
| Inlet, Outlet port diameter | mm | O.D. φ 10×I.D. φ 6 (G 1/4) | |
| Ambient temperature | °C | 0~40 | |
| Overall dimensions | mm | 155(W) × 366.5(L) × 217(H) | |
| RoHS applied | | ● | |

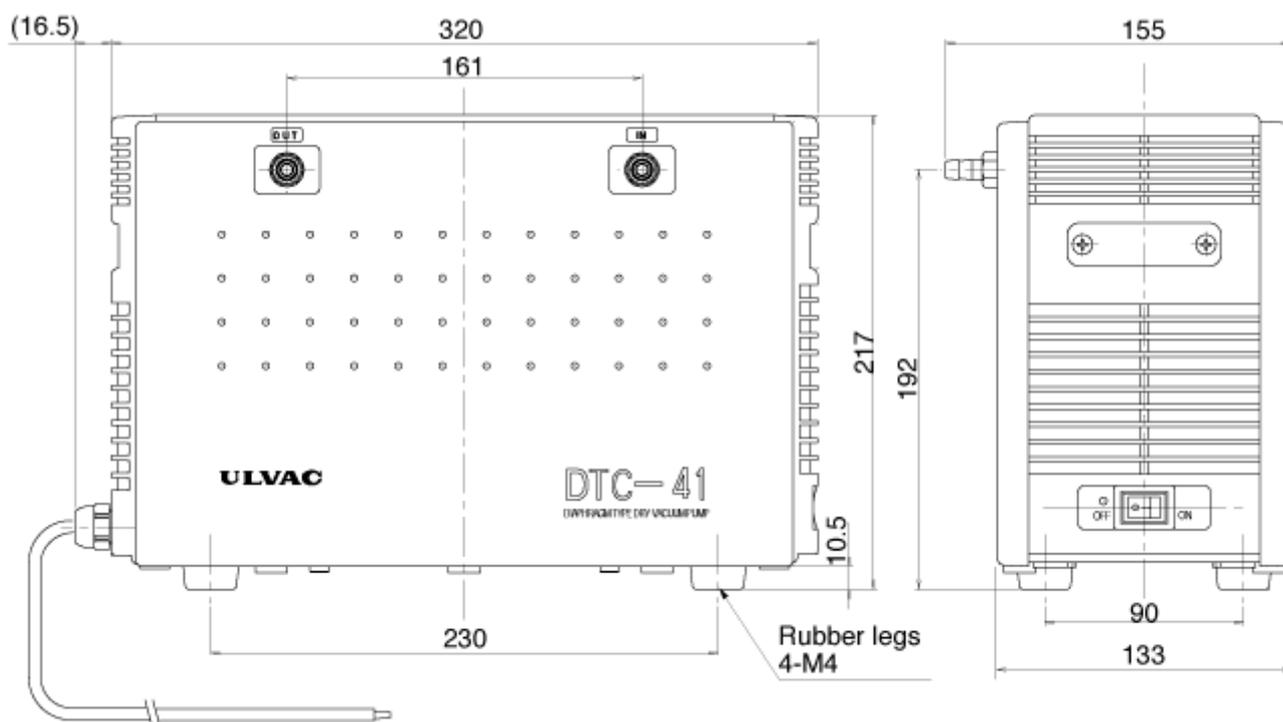
#1: Gauge pressure

Power Supply/Voltage

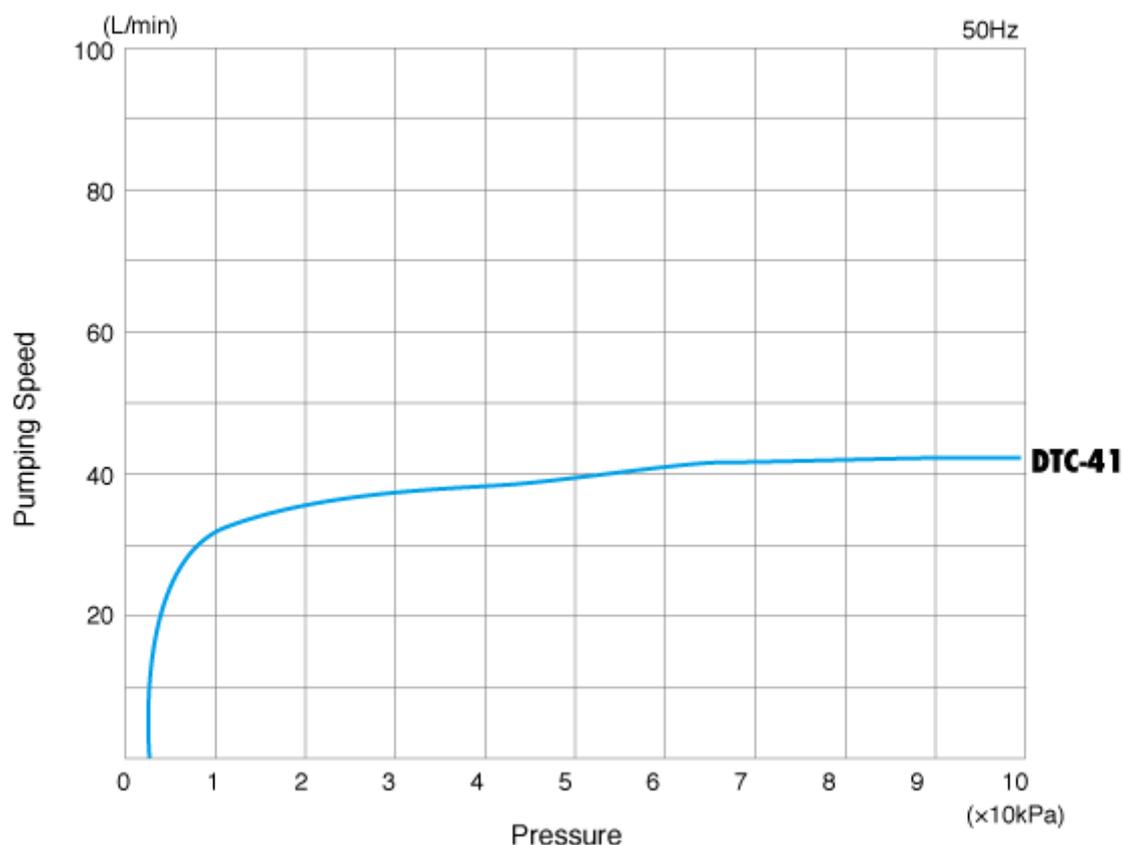
| Voltage | Certificate | Remarks |
|--------------------|-----------------|---------|
| Single phase, 100V | — | |
| Single phase, 115V | CE, TUV, cTUVus | DTC-41C |
| Single phase, 200V | CE, TUV, cTUVus | DTC-41D |
| Single phase, 220V | CE, TUV, cTUVus | DTC-41E |
| Single phase, 230V | CE, TUV, cTUVus | DTC-41F |

■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.

Applied optional part items

| No. | Category name | Series | Name |
|-----|-----------------------|------------------------|-----------------------------------|
| 1 | Maintenance Kit | Maintenance Kit Series | Maintenance Kit for DTC-40/41/41K |
| 2 | Anti-vibration Rubber | Anti-vibration Rubber | Anti-vibration rubber (ME-12) |

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