

# Diaphragm Type Dry Vacuum Pump DTC Series

## Features

- 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.

## Applications

- Rotary evaporator.
- Evaporating system.
- Vacuum Concentrator.
- Vacuum filtration.
- Exhaust of gas-transfer tube.
- Vacuum drying systems.
- Laser-gas circulation.
- Centrifuge.
- Medical/Pharmaceutical equipments.
- Analysis/scientific equipments.



DTC-22B



DTC-41



DTC-60

## Specifications

Model	Unit	DTC-22B		DTC-41		DTC-60	
		50Hz	60Hz	50Hz	60Hz	50Hz	60Hz
Actual pumping speed	L/min	22	24	40	46	60	70
	m <sup>3</sup> /h	1.32	1.44	2.40	2.76	3.60	4.20
	CFM	0.78	0.85	1.41	1.62	2.12	2.47
Ultimate pressure	Pa (kPa)	1.0 × 10 <sup>3</sup> (-100.3)		1.0 × 10 <sup>3</sup> (-100.3)		1.0 × 10 <sup>3</sup> (-100.3)	
	Torr	7.50		7.50		7.50	
	mbar	10.0		10.0		10.0	
Motor		Single phase, 220V, 50W, 4P, Capacitor run		Single phase, 220V, 100W, 4P, Capacitor run		Single phase, 220V, 200W, 4P, Capacitor run	
Full load current	A	0.6	0.7	1.0	2.0	2.1	
Weight	kg	7.1		10.3		18.0	
Inlet, outlet pipe diameter	mm	O.D. dia.10 × I.D. dia.6 (G1/4)		O.D. dia.10 × I.D. dia.6 (G1/4)		O.D. dia.14 × I.D. dia.9 (G3/8)	
Ambient temperature	°C	0 – 40		0 – 40		0 – 40	
	°F	32 – 104		32 – 104		32 – 104	
Overall dimensions	mm	142(W) × 288.5(L) × 202(H)		155(W) × 336.5(L) × 217(H)		158(W) × 340(L) × 242(H)	

## Corresponding voltage and Certificate

Model	Voltage	CE Marked	TUV Marked	cTUVus Marked
DTC-22	Single phase, 100V	—	—	—
DTC-22A	Single phase, 115V	✓	✓	✓
DTC-22	Single phase, 200V	—	—	—
DTC-22B	Single phase, 220V	✓	✓	✓
DTC-22C	Single phase, 230V	✓	✓	✓
DTC-41A	Single phase, 100V	✓	—	—
DTC-41	Single phase, 200V	—	—	—
	Single phase, 220V	—	—	—
DTC-41B	Single phase, 230V(50Hz)	✓	—	—
DTC-60	Single phase, 100V	—	—	—
	Single phase, 115V (60Hz)	—	—	—
	Single phase, 200V	—	—	—
	Single phase, 220V	—	—	—

— : Not Available, ✓ : Available

## Pumping speed curves

