

Diaphragm Type Dry Vacuum Pumps

DAP Series

DAP-6D DAP-12S DAP-9D-DC24 DAP-18S-DC24

Features

Diaphragm type pump creates vacuum by reciprocating movement of rubber diaphragms.
 Pump structure creates an Oil-free environment and maintenance easy.
 DAP series is the smallest diaphragm pump from our product ranges and offers pumping speed at 6L and 18 L/min at 50Hz.

Applications

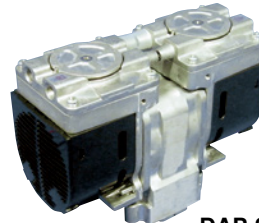
- Vacuum chucks, wafer and chip handling devices
- Vacuum tweezers, medical appliances
- Printing equipment
- Automatic packing machines
- Optical appliances
- Sterilizer



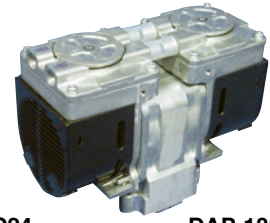
DAP-6D



DAP-12S



DAP-9D-DC24



DAP-18S-DC24

Specifications

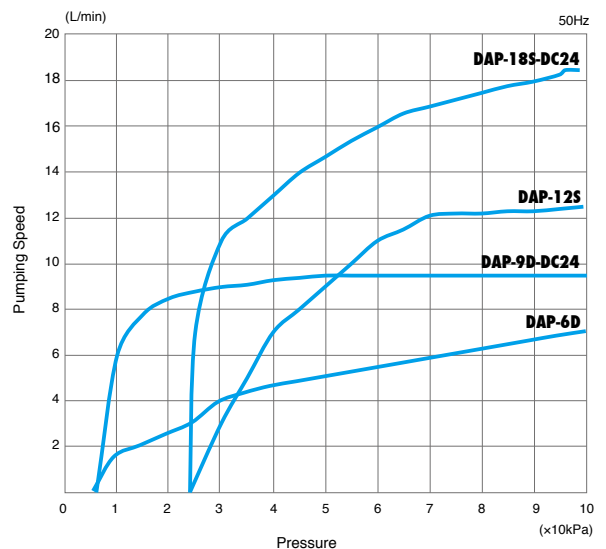
Model	Unit	DAP-6D		DAP-12S		DAP-9D-DC24	DAP-18S-DC24
		50Hz	60Hz	50Hz	60Hz	-	-
Actual pumping speed	L/min	6	7	12	14	9	18
Ultimate pressure	Pa	6.65 × 10 ³		24.0 × 10 ³		6.65 × 10 ³	24.0 × 10 ³
Motor		Single phase, 220—230V, 10W, 4P, Capacitor run		Single phase, 220—230V, 10W, 4P, Capacitor run		DC Brushless motor, 14W, 4P, 24V	DC Brushless motor, 14W, 4P, 24V
Full load current	A	0.25		0.25		1.3	1.4
Weight	kg	1.9		1.9		1.75	1.75
Inlet, outlet pipe diameter	mm	(Rc 1/8)		(Rc 1/8)		(Rc1/8)	(Rc1/8)
Ambient temperature	°C	0 – 40		0 – 40		0 – 40	0 – 40
Overall dimensions	mm	91(W) × 163(L) × 100.6(H)		91(W) × 163(L) × 100.6(H)		83.5(W) × 165(L) × 123.8(H)	83.5(W) × 165(L) × 123.8(H)

Corresponding voltage and Certificate

Model	Voltage	Order Code	CE Marked	TUV Marked	cTUVus Marked
DAP-6D	Single phase, 100V	A42910000001	—	—	—
	Single phase, 200V	A42916000000	—	—	—
	Single phase, 220—230V	A42917000000	—	—	—
DAP-12S	Single phase, 100V	A42920000001	—	—	—
	Single phase, 200V	A42926000000	—	—	—
	Single phase, 220—230V	A42927000000	—	—	—
DAP-9D-DC24	DC24V	A42930000001	✓	✓	✓
DAP-18S-DC24	DC24V	A42940000001	✓	✓	✓

— : Not Available, ✓ : Available

Pumping speed curves



* Further details can be found on our website. Outside drawing appears in Page 44.