TECHNICAL DATA SHEET

ALab™ DM0412P Low-Speed Centrifuge

Low-speed centrifuge · Max. speed 4500rpm · Max. RCF 2490×g · rotor capacity 8×15mL / 12×10mL



ALab™ DM0412P Low-Speed Centrifuge

The ALab™ DM0412P Low-Speed Centrifuge; image shown for reference.

CONTENTS

01 Product Overview

02 Core Advantages

03 Specifications

04 Applications

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SECTION I

Product Overview

The DM0412P low-speed centrifuge runs the A12-10P angle rotor, which holds up to 15mL×8 or 10mL/7mL/5mL×12 vacuum tubes. The speed can be set in RPM/RCF up to 4500rpm (2490×g); three programs are preloaded and 9 programs for customization can be stored in memory (6 steps for each program). For research and laboratory use only.

SECTION II

Core Advantages

- **Max. speed** — 4500rpm
- **Rotor capacity** — 8×15mL / 12×10mL
- **Run time** — 30sec-99min
- **Display** — LCD
- **Max. RCF** — 2490×g
- **Speed accuracy** — ±10rpm
- **Motor** — Brushless DC motor
- **Noise** — ≤56dB

SECTION III

Specifications

Technical data — DM0412P

Specifications	
Brand	ALab™ by ACS Material
Model	DM0412P
SKU #	ALD42P00
Product Type	Low-speed centrifuge
Speed range	300-4500rpm, increment: 10rpm
Max. RCF	2490×g, increment: 10g
Speed accuracy	±10rpm
Rotor capacity	8×15mL, 12×10mL/7mL/5mL
Run time	30sec-99min
Motor	Brushless DC motor
Display	LCD
Preloaded program	3 programs: 3480rpm, 5min; 2690rpm, 7min; 4 steps (2700rpm 2min, 2400rpm 4min, 2700rpm 4min, 3000rpm 3min)
Custom programs memory	9 programs (6 steps for each program)
Safety devices	Door interlock, overspeed detector, automatic internal diagnosis
Noise	≤56dB
Power	Single-phase, 100V-240V, 50Hz/60Hz, 3A, 70W
Dimension [W×D×H]	301×354×217mm
Weight	6kg
Advanced features	Speed/RCF switch; sound-alert function

Rotor and adapters

Accessory	Cat. No.	Description
A12-10P angle rotor	—	The only rotor compatible with the DM0412P. 12 holes; rotor diameter 229mm; hole diameter 18.6mm; hole depth 83.4mm; max. tube height 130mm; 15mL×8 or 10mL/7mL/5mL×12 vacuum tubes.
A10P15 & Plug adapters	—	Adapters printed with the A12-10P rotor in the DM0412P brochure.

Listed for reference; not selectable in the order menu.

Scope of delivery

- Main unit: ALab™ DM0412P Low-Speed Centrifuge

SECTION IV

Applications

The DM0412P is a low-speed centrifuge for research and laboratory use only. It runs the A12-10P angle rotor for 15mL×8 or 10mL/7mL/5mL×12 vacuum tubes, with 3 preloaded programs and 9 custom programs of up to 6 steps.

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