AZA LAB / LABORATORY EQUIPMENT

HOTPLATE MAGNETIC STIRRER

AZA1312 SERIES | TECHNICAL DATASHEET



AZA1312



AZA1312A

PRODUCT OVERVIEW

The AZA1312 series consists of two laboratory hotplate magnetic stirrers with 184 × 184 mm glass-ceramic work plates, heating temperatures up to 550°C, external PT1000 temperature sensor compatibility and hot-surface warning. AZA1312 offers a brushless DC motor, LCD readouts and RS232 connectivity, while AZA1312A provides a shaded-pole motor with simpler speed and temperature indication. Both support a single stirring position and adjustable heating and mixing for laboratory sample preparation.

TECHNICAL SPECIFICATIONS

AZA1312	Specification
AZA LAB model	AZA1312
Work plate dimensions	184 × 184 mm (7 in)
Work plate material	Glass ceramic
Stirring positions	1
Maximum magnetic bar length	80 mm
Heating temperature range	Room temperature to 550°C
Overheating protection	580°C
External temperature sensor	PT1000 (±0.2°C)
Hot-surface warning	50°C
Protection class	IP21
Heating output	1000 W
Voltage	100–120 / 200–240 V, 50/60 Hz
Instrument dimensions (W × D × H)	215 × 360 × 112 mm
Permissible ambient conditions	5–40°C; 80% RH
Motor type	Brushless DC motor
Maximum stirring quantity (H_2O)	20 L
Speed range	100–1500 rpm; 1 rpm resolution
Speed display	LCD
Temperature display	LCD
Temperature increment	1°C
Temperature control accuracy	±1°C below 100°C; ±1% above 100°C
Temperature display accuracy	±0.1°C
Data connector	RS232
Motor input rating	18 W
Motor output rating	10 W
Total power	1050 W
Package dimensions (W × D × H)	500 × 370 × 280 mm
Net weight	5.3 kg
Gross weight	7.5 kg

AZA1312A	Specification
AZA LAB model	AZA1312A
Work plate dimensions	184 × 184 mm (7 in)
Work plate material	Glass ceramic
Stirring positions	1
Maximum magnetic bar length	80 mm
Heating temperature range	Room temperature to 550°C
Overheating protection	580°C
External temperature sensor	PT1000 (±0.2°C)
Hot-surface warning	50°C
Protection class	IP21
Heating output	1000 W
Voltage	100–120 / 200–240 V, 50/60 Hz
Instrument dimensions (W × D × H)	215 × 360 × 112 mm
Permissible ambient conditions	5–40°C; 80% RH
Motor type	Shaded-pole motor
Maximum stirring quantity (H_2O)	10 L
Speed range	0–1500 rpm
Speed display	Scale
Temperature display	LED
Temperature increment	5°C
Temperature control accuracy	±10°C
Temperature display accuracy	±1°C
Data connector	-
Motor input rating	15 W
Motor output rating	1.5 W
Total power	1030 W
Package dimensions (W × D × H)	500 × 360 × 270 mm
Net weight	4.5 kg
Gross weight	7 kg

CONTACT

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