AZA LAB / LABORATORY EQUIPMENT

HOTPLATE MAGNETIC STIRRER SERIES

AZA1100 SERIES | TECHNICAL DATASHEET



AZA1100



AZA1100A

PRODUCT OVERVIEW

The AZA1100 series comprises hotplate magnetic stirrers: AZA1100, AZA1100A . The series provides single-position and four-position heating and magnetic stirring options. Each configuration is specified separately below to preserve differences in capacity, temperature control, motors, electrical ratings and safety protection

TECHNICAL SPECIFICATIONS

AZA1100 TECHNICAL SPECIFICATIONS

AZA1100	Specification
AZA LAB model	AZA1100
Supplier model	HPS-280
Work plate dimensions	Ø135 mm (5 in)
Work plate material	Stainless steel with ceramic coating
Motor type	Brushless DC motor
Stirring positions	1
Maximum stirring quantity (H_2O)	3 L
Maximum magnetic bar length	50 mm
Speed range	200–1500 rpm
Speed display	LED
Temperature display	LED
Speed display resolution	±1 rpm
Heating temperature range	Room temperature to 280°C; 1°C increment
Work plate temperature control accuracy	±1°C (<100°C); ±1% (>100°C)
Overheating protection	320°C
Temperature display accuracy	±1°C
External temperature sensor	PT1000; accuracy ±0.5°C
Hot-surface warning	50°C
Protection class	IP42
Motor input rating	5 W
Motor output rating	3 W
Total power	515 W
Heating output	500 W
Voltage	100–120 / 200–240 V, 50/60 Hz
Instrument dimensions (W × D × H)	150 × 260 × 100 mm
Net weight	1.8 kg
Permissible ambient conditions	5–40°C; 80% RH

AZA1100A TECHNICAL SPECIFICATIONS

AZA1100A	Specification
AZA LAB model	AZA1100A
Supplier model	HPS-M340-S4
Work plate dimensions	Ø135 mm (5 in) per position
Work plate material	Stainless steel with ceramic coating
Motor type	Brushless DC motor
Stirring positions	4
Maximum stirring quantity (H_2O)	10 L per position
Maximum magnetic bar length	40 mm
Speed range	200–1500 rpm
Speed display	LCD
Temperature display	LCD
Temperature sensor control accuracy	±2.0 rpm
Heating temperature range	25–340°C
Overheating protection	420°C
Temperature display accuracy	±0.1°C
External temperature sensor	Optional PT1000; accuracy ±0.2°C
Protection class	IP20
Motor input rating	1.8 W × 4
Total power	515 W × 4
Heating output	500 W × 4
Voltage	100–120 V, 60 Hz; 200–240 V, 50 Hz
Instrument dimensions (W × D × H)	698 × 270 × 128 mm
Net weight	9.5 kg
Permissible ambient temperature	5–40°C
Permissible relative humidity	80% RH

CONTACT

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