ASI Technologies

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TECHNICAL DATA SHEET

ASI-9070A

Forced-Air Drying Oven · 80 L

P/N 50309	**Document** TDS-50309	**Rev.** 02	**Date** 12 Nov 2026





Main function

The **ASI-9070A** is a forced-air (hot-air circulation) drying oven with a **80 L** chamber, for drying, baking, wax melting and sterilization in production plants, laboratories and research institutes.

A microcomputer **PID** controller with digital display, over-temperature deviation protection and a built-in timer provides precise, reliable temperature control.

A circulation fan and air ducts distribute the heat evenly through the mirror-finish stainless-steel chamber; air intake and exhaust are adjustable from the control panel.

> **Additional chamber sizes available on request (approx. 136 L, 420 L, 620 L).**

200 °C	80 L	±1.0 °C	0–9999 min	1550 W
Max temp. (250 °C optional)	Chamber volume	Temp. fluctuation	Timer	Input power

Key Features

- Temperature range **RT+10 to 200 °C (250 °C optional)**
- Microcomputer **PID** control with digital display, 0.1 °C resolution
- Fluctuation **±1.0 °C**, uniformity **±3%** (at 100 °C)
- Over-temperature deviation protection
- Built-in timer **0–9999 min**
- Hot-air circulation fan and air ducts; adjustable intake and exhaust
- Mirror-finish **stainless-steel** chamber, argon-arc welded
- Silicone door seal for long-term high-temperature use, easy to replace; **2 shelves** standard

תקציר בעברית: תנור ייבוש **ASI-9070A** עם סירקולציית אוויר חם מאולצת, בנפח **80 ליטר**, לייבוש, אפייה (Baking), התכת שעווה וסטריליזציה במפעלי תעשייה, במעבדות ובמוסדות מחקר. טווח טמפרטורה **RT+10 עד 200°C, עם אופציה ל-250°C**, יציבות ±1.0°C, בקר PID דיגיטלי עם הגנת חריגת טמפרטורה וטיימר עד 9999 דקות. תא נירוסטה בגימור מראה, 2 מדפים, הזנה AC220V, 50 Hz, הספק 1550 W.

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Chamber	
Type	Forced-air drying oven (hot-air circulation)
Chamber volume	80 L
Internal dimensions (W × D × H)	450 × 400 × 450 mm
External dimensions (W × D × H)	740 × 530 × 630 mm
Shelves (standard)	2
Interior	Mirror-finish stainless steel, argon-arc welded
Exterior	Steel sheet
Door seal	Synthetic silicone sealing strip
Temperature control	
Temperature range	RT+10 to 200 °C (250 °C optional)
Temperature fluctuation	±1.0 °C
Temperature resolution	0.1 °C
Temperature uniformity	±3% (test point 100 °C)
Controller	Microcomputer PID with digital display, over-temperature deviation protection and timer
Timer range	0–9999 min
Air circulation	Hot-air circulation fan with air ducts; intake and exhaust adjustable from the control panel
Electrical and installation	
Power supply	AC 220 V, 50 Hz
Input power	1550 W
Operating ambient temperature	+5 to 40 °C
Test conditions	Performance data measured with no load, at 20 °C ambient and 50% RH
Options	
Control and monitoring	Multi-stage programmable LCD controller; independent temperature-limit controller with alarm; wireless (SMS) alarm
Data and connectivity	RS485 interface with software, built-in printer or USB data storage (one of the three)
Test port	Ø25 mm
ASI-9000A drying oven range	
Model · P/N	**Volume · internal W × D × H · input power**
ASI-9070A · 50309 (this model)	**80 L · 450 × 400 × 450 mm · 1550 W**
ASI-9240A · 50310	220 L · 600 × 500 × 750 mm · 2450 W
ASI-9920A · 50326	1000 L · 800 × 700 × 1590 mm · 5200 W
Additional sizes	Available on request · approx. 136 L, 420 L, 620 L
Ordering information	
Description	**ASI P/N**
DRYING OVEN ASI-9070A	50309

Specifications are subject to change without notice. Rev. history: Rev 01: first issue, v2 format | Rev 02: עדכון עיצוב, ללא שינוי טכני