

# ASI LC Series Automatic Vacuum Ovens

Digital Vacuum Display & Control · 7 sizes

P/N FAM-ASI-LC-VAC

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## Main function

The **ASI LC series** automatic vacuum drying ovens offer short heating times, precise control and safe, reliable operation — ideal for drying **heat-sensitive and easily oxidized** materials. Seven chamber sizes, from **320×320×320 mm** bench-height units to the **750×1160×1050 mm** five-shelf cabinet.

A microcomputer controls the vacuum level and pump through a **digital pressure sensor**; programmed vacuum cycles (up to **99**) and a **15-segment** temperature program shorten drying time.

**200 °C**

Max temperature

**±1 °C**

Fluctuation

**10–10<sup>5</sup> Pa**

Vacuum control

**7 sizes**

2–5 shelves

**Automatic**

Digital vacuum control

## Key Features

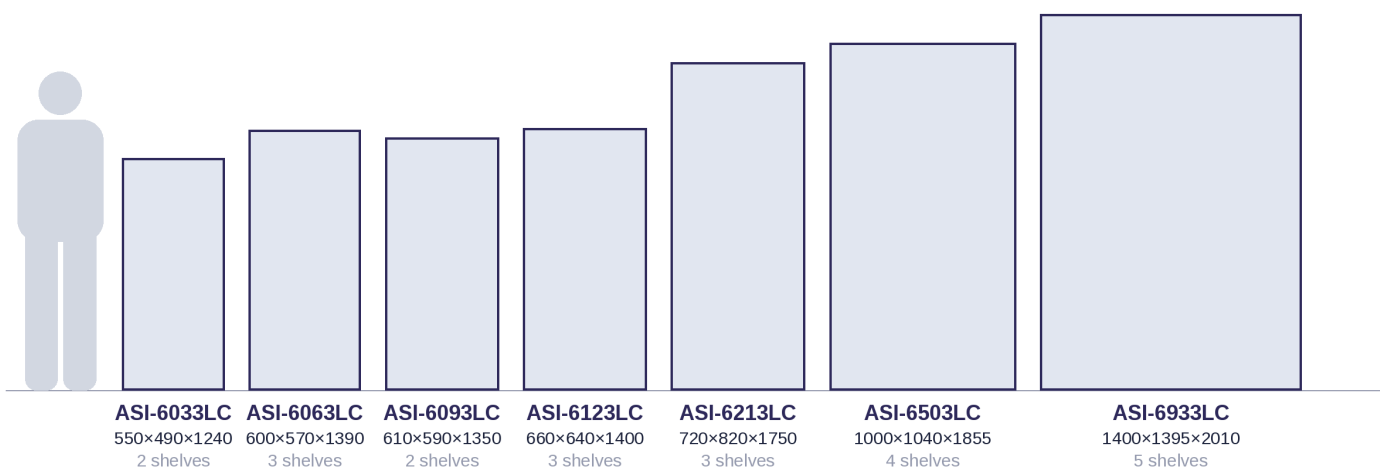
- **15-segment** program, 1–9,999 min per segment
- Ramp control (temperature–time–temperature)
- Programmed vacuum cycling, up to **99** cycles
- Digital vacuum gauge, piezoresistive sensor
- Vacuum set point accuracy **±1%**
- Toughened double-layer glass viewing door
- Silicone door seal, **SS 304** chamber
- Larger models: **independent temperature control per shelf**

**תקציר בעברית:** סדרת **ASI LC** – תנורי ייבוש ואקום אוטומטיים בשבעה גדלים, לייבוש חומרים רגישים לחום ולחמצון. בקרת ואקום דיגיטלית עם מחזורי ואקום מתוכנתים (עד 99), תוכנית טמפרטורה של **15 מקטעים**, טווח **RT+10 עד 200°C**, תא נירוסטה SS 304, עד 5 מדפים, ובדגמים הגדולים בקרת טמפרטורה נפרדת לכל מדף.



| Models                   |                                                                                                                 |              |                |              |                |                |                |
|--------------------------|-----------------------------------------------------------------------------------------------------------------|--------------|----------------|--------------|----------------|----------------|----------------|
| Model (W×D×H)            | ASI-6033LC                                                                                                      | ASI-6063LC   | ASI-6093LC     | ASI-6123LC   | ASI-6213LC     | ASI-6503LC     | ASI-6933LC     |
| ASI P/N                  | 50319                                                                                                           | 50318        | 50311          | on request   | 50315          | 50324          | 50316          |
| Voltage, 50 Hz           | AC 220V                                                                                                         | AC 220V      | AC 220V        | AC 220V      | AC 220V        | AC 380V        | AC 380V        |
| Input power              | 1200 W                                                                                                          | 1800 W       | 1350 W         | 2050 W       | 2100 W         | 3800 W         | 5600 W         |
| Internal (mm)            | 320×320×320                                                                                                     | 400×400×400  | 450×450×450    | 500×500×500  | 560×600×640    | 630×810×845    | 750×1160×1050  |
| External (mm)            | 550×490×1240                                                                                                    | 600×570×1390 | 610×590×1350   | 660×640×1400 | 720×820×1750   | 1000×1040×1855 | 1400×1395×2010 |
| Shelves                  | 2                                                                                                               | 3            | 2 <sup>1</sup> | 3            | 3 <sup>1</sup> | 4 <sup>1</sup> | 5 <sup>1</sup> |
| Common to all models     |                                                                                                                 |              |                |              |                |                |                |
| Temperature range        | RT+10 to 200 °C                                                                                                 |              |                |              |                |                |                |
| Resolution / fluctuation | 0.1 °C / ±1 °C                                                                                                  |              |                |              |                |                |                |
| Program                  | 15 segments, 1–9,999 min each; ramp control; scheduled start / stop                                             |              |                |              |                |                |                |
| Vacuum gauge / sensor    | Digital display; piezoresistive silicon pressure sensor                                                         |              |                |              |                |                |                |
| Vacuum control           | 10–10 <sup>5</sup> Pa (minimum vacuum 133 Pa), accuracy ±1%; programmable min / max set points, up to 99 cycles |              |                |              |                |                |                |
| Chamber material         | SS 304 stainless steel                                                                                          |              |                |              |                |                |                |
| Door                     | Toughened double-layer glass viewing window; adjustable closing; one-piece silicone seal; inert-gas filling     |              |                |              |                |                |                |
| Test conditions          | Performance measured without load, ambient 20 °C, 50% RH                                                        |              |                |              |                |                |                |
| Note                     | <sup>1</sup> Independent temperature control per shelf                                                          |              |                |              |                |                |                |

## Size comparison — all models to scale (external W × D × H, mm; person 1.70 m)



Specifications are subject to change without notice. Rev. history — 01 — first issue