

Laboratory Bench Top Oven - AX

General Information

The Apex AX Series Ovens are a range of 250 °C laboratory ovens, comprising three bench-top sized models that are equipped with the R38 digital PID temperature controller.



Standard Features

- 250 °C maximum operating temperature
- 30, 60 or 120 litres chamber volumes
- Equipped with the R38 digital PID temperature controller
- Fan convection for rapid heating & excellent uniformity
- Chemically resistant stainless steel liner
- Two adjustable nickel-chrome plated wire shelves
- Lever latch door & airtight silicone seal
- Compliant with safety standard BS EN 61010-2-010:2003

Options (specify these at time of order)

- Over-temperature protection (recommended to protect valuable contents & for unattended operation)
- Digital countdown timer to switch oven off
- Additional sets of shelves & runners
- Lockable door
- Low voltage options for use below 220 V
- Routine spares kit

Technical Specifications

AX30

| | |
|--|-----------------|
| Max temp (°C) | 250 |
| Min temp (°C) | Ambient +30 |
| Volume (litres) | 28 |
| Temp uniformity (°C) | ±5.0 @ 250 °C |
| Heat-up time (mins) | 23 |
| Recovery time (mins) | 3 |
| Dimensions: Internal H x W x D (mm) | 295 x 300 x 320 |
| Dimensions: External H x W x D (mm) | 440 x 590 x 465 |
| Shelves fitted / accepted | 2 / 4 |
| Shelf loading each / total (kg) | 10 / 20 |
| Air changes / hr | 65 |
| Max power (W) | 1000 |
| Holding power (W) | 342 |
| Weight (kg) | 24 |

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AX60

| | |
|--|-----------------|
| Max temp (°C) | 250 |
| Min temp (°C) | Ambient +30 |
| Volume (litres) | 66 |
| Temp uniformity (°C) | ±5.0 @ 250°C |
| Heat-up time (mins) | 25 |
| Recovery time (mins) | 3 |
| Dimensions: Internal H x W x D (mm) | 395 x 400 x 420 |
| Dimensions: External H x W x D (mm) | 540 x 690 x 565 |
| Shelves fitted / accepted | 2 / 6 |
| Shelf loading each / total (kg) | 10 / 30 |
| Air changes / hr | 28 |
| Max power (W) | 1500 |
| Holding power (W) | 465 |
| Weight (kg) | 37 |

AX120

| | |
|--|-----------------|
| Max temp (°C) | 250 |
| Min temp (°C) | Ambient +30 |
| Volume (litres) | 128 |
| Temp uniformity (°C) | ±5.0 @ 250 |
| Heat-up time (mins) | 26 |
| Recovery time (mins) | 3 |
| Dimensions: Internal H x W x D (mm) | 495 x 500 x 520 |
| Dimensions: External H x W x D (mm) | 640 x 790 x 665 |
| Shelves fitted / accepted | 2 / 8 |
| Shelf loading each / total (kg) | 10 / 40 |
| Air changes / hr | 14 |
| Max power (W) | 2000 |
| Holding power (W) | 622 |
| Weight (kg) | 55 |

Please note:

- Uniformity is measured in an empty chamber with vents closed, after a stabilisation period
- Shelf loadings are based on evenly distributed weight
- Maximum power and heat up times based on a 240V supply
- The uniform volume is smaller than the total chamber volume
- Minimum operating temperature is ambient +30°C