

**WEIBER®**



# *Industrial Drying Oven*

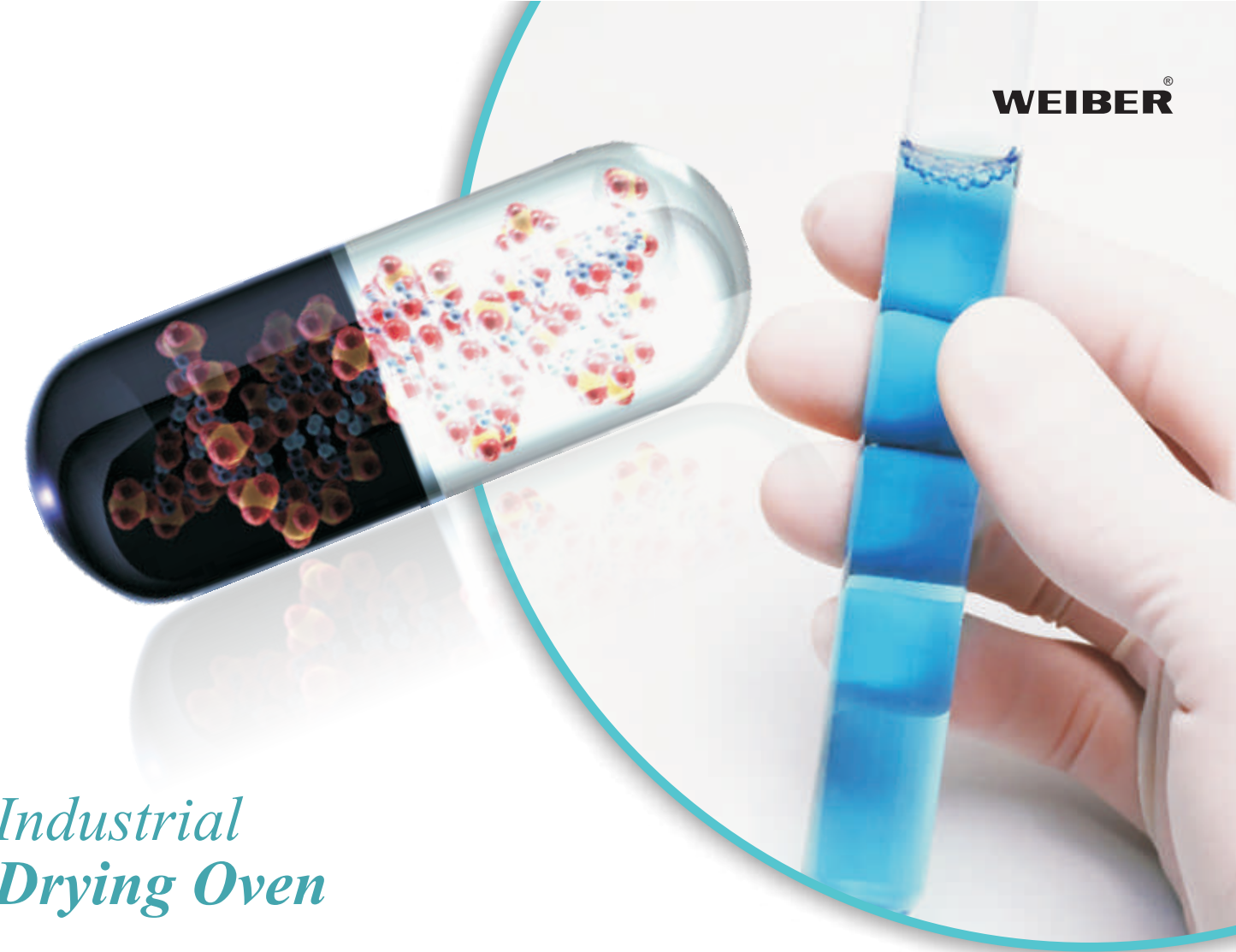
**Models:**

- ACM-22061

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## *Industrial Drying Oven*

### **Introduction**

We are manufacturers of industrial drying oven in India since 1990. Our heavy duty drying oven are widely used for day to day heating and drying applications performed in various laboratories.

We specialize in both standard and customized models, specifically designed to meet the challenging demands of various scientists for individual and specialized research applications. Over a short period of time Weiber brand have been established as reliable exporters of industrial drying oven in India, catering to the vast markets in South East Asia, Middle East, Africa and Europe.

Apart from that we are supplying our laboratory oven in India , catering to a variety of customers ranging from Defence Installations, Research Laboratories, Educational Institutes and various R& D laboratories of leading national and multinational companies.

### **Salient Features**

- Versatile usage
- Ergonomic Design
- Energy Efficient
- Long life
- Low Maintenance
- Calibration And Protocol Documentation

### **Construction Details (industrial drying oven )**

Our heavy duty drying ovens are double walled convection heated units. Outer body of our industrial drying oven are constructed out of thick PCRC sheet duly pre-treated with primers and rust proofing and painted with long lasting stove enamel or elegantly powder coated.

The inner chamber is made of heavy gauge stainless steel sheet of SS-304 grade. The gap between the walls is filled high grade mineral glass wool, which ensures maximum thermal efficiency in our laboratory ovens.

The unit is mounted on a sturdy steel frame and provided

**Technical Matrix**  
(Heavy Duty Drying Oven )



with castor wheels (Large Sized Models Only) for easy movement inside the laboratory. The unit is provided with one to sixteen stainless steel shelves (As per the inner size).

**Heating**

Indirect three side heating system is provided in our units, comprising of air heaters made of high grade Kanthal A-1 wires of suitable wattage.. The warm air is evenly distributed throughout the chamber through efficient motor fans ensuring a very good temperature sensitivity.

**Temperature Range (industrial drying oven )**

Temperature range of our standard laboratory oven models are 5o c above ambient temperature to 350o c. However we have the capacity to modify the same to suit the individual specialized requirements of our customers.

**Temperature Sensitivity**

Temperature inside our hot air ovens are controlled with a sensitivity of + 1o c or better.

**Front Panel:**

Front panel of our units comprises of on/off switches heating and mains indicator lamps, temperature controllers/Thermostat

**Temperature Control**

The temperature inside our laboratory oven is controlled either through hydraulic type german thermostat or (Sensitivity + 1o c) through solid state or micro-processor based temperature controllers cum indicators.

**Standard Sizes(Hot Air Oven)**

**Inner Chamber (W x D x H)**

- a) 900 x 900 x 900mm
- b) 1200 x 1200 x 1200mm
- c) 1200 x 1500 x 1200mm
- d) 1500 x 1500 x 1500 mm
- e) 1800 x 1800 x 1800 mm

<b>Temperature Control</b>		
Temperature Sensitivity	± °C	1°C or better
Spatial Deviation in	± °C	0.5 or better
Temperature		
Readability	°C	0.1
Temperature range	°C	5°C above ambient to 350°C (Standard)
Temperature Sensor		PT-100
Temperature Controller		Hydraulic Thermostat/ PID controller optional
Display		LED/LCD
Adjustable alarm limits		Optional With PID controller only.
<b>Safety thermostats</b>		
Temperature variation		3 (With PID
Adjustments		Controllers only)
Temperature Sensors		PT-100
Automatic temperature setting		Yes (With PID Controllers only)
Adjustable limits		Yes (With PID Controllers only)
<b>Light control</b>		
Readability or Set ability	%	10% (optional feature)
Light intensity (Middle chamber)	Lux	As Desired (optional feature)
Light intensity (Both Sides)	Lux	As Desired (optional feature)

<b>Accessories</b>		
Timer (999 mins)		optional
Program (Real Time)		optional
Data Acquisition Program		optional
Serial Port (Printer)	RS232C	optional
Inspection window in door		optional
<b>Shelves</b>		
Standard		(Size Specific)
Internal Dimensions	mm	Model Specific
Maximum Permitted load per shelf	kg	25 Kg
Maximum Permitted total load	kg	600 kg
<b>Accessories</b>		
Printer Report Program		optional
2 x 24 characters LCD Display		optional
Access Port 30 mm		optional
Castors, lockable		Yes
<b>Power consumption</b>		
Nominal power	W	1250 -3650
Nominal voltage	V	220-230 Volts, 50 Hz Single Phase
Frequency	Hz	50



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