The XM modular ovens range is designed to be compatible with the size of the product. For applications such as polymerization of composite materials, thermal treatment, coating, drying...

**An exclusive modular design!**

The basic XM oven is composed of a front double leaf door, a module and a back part. The whole volume of the oven depends on the number and on the size of the assembled modules.

**7 basic volumes**
From 6000 liters up to 24000 liters

**A robust construction for great performances.**
Internal and external sheets made of steel. Modern design. White and blue epoxy paints. Reduced energy consumption, excellent thermal stability. Ø 60 mm access port for a simplified calibration. 3 tight points per module activated at doors opening.

**Adaptable air change.**
Wide air inlet and outlet. Releases are evacuated efficiently. Opening adjustable from the control panel.

**An incredible heating power.**
Rapid heating-up.

**An amazing temperature homogeneity!**
Each module gets its own ventilation system. Inner air is sucked in the top part, heated by the heating elements then blown into the working volume. Air flow is powerful for surprising results.

**Work safely.**
An independent electronic safety (class 3.1) and an independent mechanical safety with manual reset (class 2.0) per module. Heating is cut off in case of anomalies (exceeded set point temperature, ventilation failure,...). Visual and sound alarms. Stop fan and heating when the door is open.

**An accurate temperature control.**
Each module gets its own control system.

Programmable controller with touch screen. Easy-to-use. Measure by thermocouple. Customizable according to the installed options. Complete management and display in real time of set point temperatures and measured ones, of pressure in the vacuum bags, of air change rates,... Safeties display, alarms display and management.

**An easy loading, without weight limit.**
Various possible arrangements of the floor of the oven.
OPTIONS

1. Temperature extension max 300°C
2. Arrangement of the floor of the oven
   Insulation, rails, access ramp, ...
3. Door with viewing windows
4. Vertical lift door
5. Stainless steel inner sheets
6. Additional module
7. Fan speed controller
8. Air change and cooling extractor
   Force the insertion of fresh air into the oven. Adjustable flow.
9. Temperature profiler and recorder
   Large graphical display. Real-time monitoring of temperatures. Allows the creation of programs. Record the temperature measured. 3 extra channels. With USB and RS45 plugs.
10. Oven process control system
    Full and secure control of your oven. PC with large touch screen, easy to use. All data is stored and available from any computer on the network.
11. Ø 60 mm access port
    Centered on the left side. Allows the passage of cables or sensors.
12. Plug for thermocouple J probe (x8)
13. Simple vacuum port
14. Controlled vacuum port (x4)
    Plugs for vacuum and measurement. Self-sealing quick connect. Solenoid valve outside. Check the pressure on the ramp and on each plug.
15. Homogeneity control certificate
    for 1 temperature
    At 105°C, 150°C or 200°C. Control report of the temperature measured at 9/15 points in the working volume. According to FD X 15-140, AMS 2750E, JSC 04-63-100.

ACCESSORIES

1. Data logger with 2 channels
   Saves the temperatures measured by two mobile sensors.
   Software for data logger with 2 channels
   Can set data logger and retrieve stored data.
2. Portable paperless graphic recorder
   Full color screen display. Real monitoring of temperature changes. With USB and RS45 plugs, and 4 or 6 connectors for mobile sensors.
3. Thermocouple J probe length 3 m
   With plug. Accessory for recorders.
4. Pump unit
   Includes: vacuum pump(s), vacuum tank(s), valves, vacuum measure and control filters.
5. Insulation plate + access ramp
   Protects your floor from heat.
### TECHNICAL DATA FOR EACH MODULE

<table>
<thead>
<tr>
<th></th>
<th>XM06</th>
<th>XM07.5</th>
<th>XM08</th>
<th>XM09</th>
<th>XM10</th>
<th>XM12</th>
<th>XM24</th>
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<tbody>
<tr>
<td>Working volume (L)</td>
<td>6000</td>
<td>7500</td>
<td>8000</td>
<td>9000</td>
<td>10000</td>
<td>12000</td>
<td>24000</td>
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<tr>
<td><strong>SIZES</strong></td>
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<tr>
<td>Internal width (mm)</td>
<td>2000</td>
<td>2500</td>
<td>2000</td>
<td>3000</td>
<td>2500</td>
<td>3000</td>
<td>4000</td>
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<tr>
<td>Internal depth (mm)</td>
<td>1500</td>
<td>1500</td>
<td>2000</td>
<td>1500</td>
<td>2000</td>
<td>2000</td>
<td>2000</td>
</tr>
<tr>
<td>External width* (mm)</td>
<td>2650</td>
<td>3150</td>
<td>2650</td>
<td>3650</td>
<td>3150</td>
<td>3400</td>
<td>4816</td>
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<tr>
<td>External height* (mm)</td>
<td>2970</td>
<td>3086</td>
<td>3086</td>
<td>3086</td>
<td>3212</td>
<td>3212</td>
<td>4548</td>
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<tr>
<td>Weight** (kg)</td>
<td>800</td>
<td>720</td>
<td>970</td>
<td>840</td>
<td>935</td>
<td>1020</td>
<td>2425</td>
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<tr>
<td>Weight (module+door+fixed back)** (kg)</td>
<td>1300</td>
<td>1300</td>
<td>1470</td>
<td>1500</td>
<td>1515</td>
<td>1680</td>
<td>3700</td>
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### PERFORMANCES

<table>
<thead>
<tr>
<th></th>
<th>Ambient temperature + 20°C up to 200°C (300°C optional)</th>
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</thead>
<tbody>
<tr>
<td>Temperature fluctuation (+/- °C)</td>
<td>&lt; 0.2</td>
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<tr>
<td>Homogeneity at 150°C*** (+/- °C)</td>
<td>&lt; 3</td>
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<tr>
<td>Number of air inlet / Diameter (mm)</td>
<td>1 / 100</td>
</tr>
<tr>
<td>Number of air outlet / Diameter (mm)</td>
<td>1 / 100</td>
</tr>
<tr>
<td>Number of fan engine</td>
<td>1 per module</td>
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<tr>
<td>Ventilation rate (m³/h)</td>
<td>5000</td>
</tr>
<tr>
<td>Max air exchange, without extractor (m³/h)</td>
<td>250</td>
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</table>

### ELECTRICAL DATA

<p>| | |</p>
<table>
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<tbody>
<tr>
<td>Heating power (kW)</td>
<td>33</td>
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<tr>
<td>Engine power (W)</td>
<td>1500</td>
</tr>
<tr>
<td>Electrical supply</td>
<td>400V ~3P 50Hz</td>
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</table>

* Some options may change the oven's size
** Approximate weight
*** According to FD X 15-140