

## Far Infrared Ray Oven (IR Oven) DIR631



Infrared ray oven which especially effective when heat the easy resonance material such as polymer. It also has a wide range of heat treatment due to forced convection function.

Operating temp. range
Room temp. +10 deg.C to 360 deg.C
Temp. gradient (JIS)
±12 deg.C (at 360 deg.C, when IR Heater is OFF)

- Clean structure with ceramic heater and Stainless steel inner chamber.
- Far-infrared Radiation (IR) Heating System, which has high heating efficiency.
- High temperature up to 360deg.C is available by forced convection system.
- Fan controller can be selected as the optional item

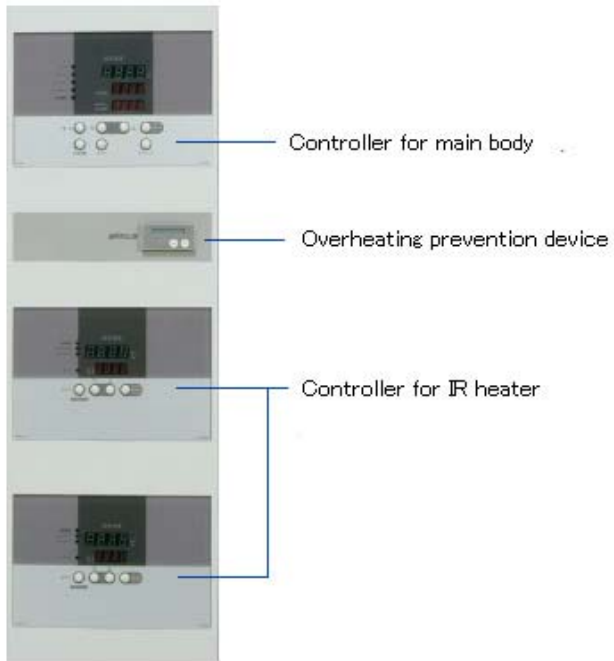
### ■ Specifications

Model	DIR631
System	Far-infrared Radiation (IR) + Forced convection and ventilation
<b>Performance*1</b>	
Operating temp. range	Room temp. +10 deg.C to 360deg.C
Temp. fluctuation (JIS)	±1 deg.C (at 360 deg.C, when IR Heater is OFF)
Temp. gradient (JIS)	±12 deg.C (at 360 deg.C, when IR Heater is OFF)
Time to attain max. temp.	100 mins (to 360deg.C, when IR Heater is OFF)
<b>Configuration</b>	
Heater	Stainless pipe heater 3.75kW
IR heater	0.2kW x 16pcs x 2 side meter 6.4kW
Fan motor	Condenser motor 20W + Axial fan
Sensor	K-thermocouple double sensor x 1pc. (for Temp. control and Overheat prevention), K-thermocouple sensor x 2pcs. (for IR heater)
Cable hole	I.D. 30mm ( back side)
Others	Exhaust damper
<b>Controller</b>	
Control system	PID control
Operation function	Fixed operation, Quick auto stop, Auto stop, Auto start
Additional function	Calibration offset, Key lock, Power failure recovery mode, Door switch
<b>Safety device</b>	
Power leakage breaker	Power leakage, short circuit, over current protection
Overheat prevention	Heater cut off when overheating
Self diagnosis function	Sensor, Heater, Relay, Automatic overheat prevention
<b>Standards</b>	
Power supply (50/60Hz)	Three phase: AC200V, 34A
Weight	Approx. 250kg
Internal dimensions	W600 x D600 x H600
Effective dimensions	W600 x D600 x H200
External dimensions*2	W1200 x D780 x H1790 (W1200 x D780 x H1000)
Distance of IR heater	200mm
Shelf /shelf support	1pc / 2pcs

\*1 Conditions: Temperature and humidity: 23 deg.C+/-5 deg.C, 65%RH+/-20% (no load)

\*2 External dimensions do not include protrusions.

■ Control panel



■ Internal chamber

