

ECONOMIC FORCED CONVECTION
O V E N



● OF-11E Economic Forced Convection Oven

OF-01E(52L)/OF-11E(100L)/OF-21E(150L)

Maximum temperature 220°C
CLS(Custom Logical Safe) Control System
PID auto-tuning
Easy Calibration
Wait On and Off Timer; Time delay ON/OFF
Error display and Lock function
Auto-Run / Manual-Run function
Over temperature and door alarm



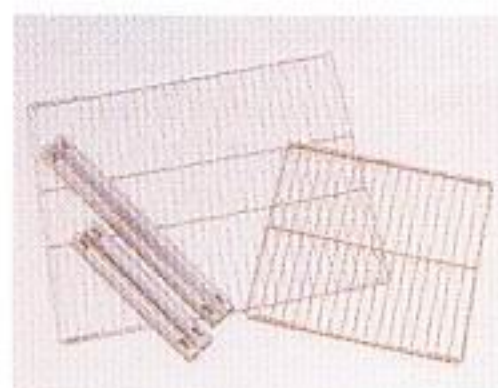
Feature

- Three models according to volume (52L, 100L, 150L)
- CLS (Custom Logical Safe)- Control System.
- PID microprocessor controller (touch pad type) achieves accurate temperature control.
- Auto-tuning function for exact temperature control.
- Bias function to calibrate temperature difference between display (SV) and actual temperature (PV) easily.
- Auto Run and Manual Run function allow user to start (auto) or stop (manual) the unit in case of power restore. (selective)
- Memory to store three temperature setting and single button to activate required set temperature.
- Electronic programmable timer for setting start and stop automatically.
- Built-in over temperature protection device alarms visual and audible and heating stops.
- Door alarm
- Built-in high temperature limit in main controller does not allow temperature over setting parameter value.
- Temperature unit display readout: C or F
- Lock function protects setting value from unintentional changes.
- Error message displays when wire of temperature probe is disconnected.

Accessories



Perforated shelf



Wired shelf



Display

Specifications

Model	OF-01E	OF-11E	OF-21E
Volume capacity	52L	100L	150L
Working range	Amb (23°C) +10°C ~220°C		
Accuracy	±1°C at 100°C		
Uniformity	±2°C at 100°C		
Controller	Digital P.I.D auto-tuning		
Sensor	K-CA type		
Heat up time	100°C within 15min		
Internal	Stainless steel, 0.6t		
External	Steel, 1.2t powder coating		
Shelves	Stainless steel wire, electro-polished		
Insulation	Mineral Wool (50t)		
Door sealing	High temp. grade foamed silicon rubber		
Ventilation pipe	Stainless steel, dia 38mm×2ea		
Permissible ambient environment	Temperature 5°C to 40°C, Maximum relative humidity 80%, Altitude up to 2,000m		
Timer	Wait on time, wait off time (Max. 99hr 59min, Min. 1min)		
Safety device	CLS(Custom Logical Safe) - control system, Class II		
Over temp. limit	Hydraulic over temp. limit		
Heating element	Incoloy sheath, 1000W	Incoloy sheath, 1400W	Incoloy sheath, 1700W
Size Internal(mm)	375×370×370	455×430×510	585×460×555
(W×D×H) External(mm)	530×535×737	610×595×877	740×625×922
Weight(net)	36kg	47kg	59kg
Electric requirement & power consumption	100....120VAC.	100....120VAC.	100....120VAC.
	60Hz : 9A	60Hz : 12.4A	60Hz : 15.0A
	220....240VAC.	220....240VAC.	220....240VAC.
	50/60Hz : 4.5A	50/60Hz : 6.2A	50/60Hz : 7.5A
Cat.No.	100....120VAC	12256	12266
	220....240VAC	12255	12265
	Wired shelf	12621	12622
	Perforated shelf	12631	12632