

MODEL : MEC-A

TECHNICAL SPECIFICATIONS

- The Chamber is aesthetically design with most latest technology and software.
- 7 inch TFT Touch screen HMI with display of temp., humidity & Illumination, PLC Based Programmable Controllers, 4 Program upto 10 steps (total 40 steps) for each profile to control each parameter such as temperature, humidity & illumination individually, for day and night .
- Inside chamber of heavy gauge stainless steel 304 with SS trays . Outer body of mild steel, powder coated.
- Audio visual alarm for all three parameters of light, temperature & humidity with manual set option for the limit.
- Programmable auto simulation of all parameters (Light, Temperature & Humidity) same as like environment, inside the working chamber.
- User friendly programs for complete control of all / any parameter during the experiment.
- Double wall door with observation window
- Power backup system (30 min) to read out the running experiment parameters during power failure
- Specially designed compressor technology to get stable humidity in respect to the set temperature.
- Three step illumination controlled through PLC to control the photo periodic cycle of the chamber 24×7 with microprocessor based programmable automated day-night natural simulation system.
- High accuracy with advance technology for humidity and de-humidity control. The triple walled back of chamber provided with air circulation fans for uniform maintenance of the temperature & humidity throughout the chamber.
- High Temperature protection to protect the samples by auto shut down the unit.
- Temperature range 5°C to 60 ±0.5°C accuracy (Light Off) and 10°C to 60 ±0.5°C accuracy (Light On) with humidity 45% to 95 ±3% to 5% RH
- Data logging of Temp. & Humidity with date & time in internal memory and can be transferred to USB pen drive. Option for screen shot web interface with complete operation from any other PC / Laptop (through static IP)
- Suitable number of LED lamps to provide illumination.
- The system is supplied with Automatic voltage stabilizer.



MODEL	(L x W x D) mm	CAPACITY	STABILIZER (KVA)	SHELVES
NFD.7B	941y616y526	281 ltr/d21/dvg/l	4	4
NFD.21B	986y681y661	381 ltr/d21/dvg/l	4	4
NFD.23B	: 11y761y691	451 ltr/d23/dvg/l	5	5
NFD.26B	: 11y811y761	521 ltr/d26/dvg/l	5	5