Temperature range*	5°C to 40°C
%RH (optional)*	50% to 90% RH as limited by dew points
Temperature uniformity	± 1°C
% RH control (optional)	± 3%
Temperature control at sensor	± 0.2°C
Controller model	Standard FUJI PXF4
Control resolution	± 0.1°C
Cooling/Heating type	Thermoelectric/Peltier driven-for heating/Cooling
Chamber Volume in Cu. Ft	18 cu.ft
External Dimension-LXWXH	36″×30″×76″ (refer to drawing)
Internal Dimension-LXWXH	25″ x 23″ x 58″ (refer to drawing)- height includes plenum which is 5″H.
Shelf dimension	22” x 20” approx
Cabinet specs	white aluminum
Lights /Growth height	Vertically mounted LED lights in back wall--2x 36" led LIGHTS
Electrical requirement	115V/60hz/1ph/5A, Unit plugs into standard wall outlet.
Shelf quantity, type	4 per chamber/ additional shelves available, wire shelf- PVC coated with 4 installation clips. Shelf capacity- 100 lbs distributed load.
Weight specs	Chamber weight- 194 lbs Shipping weight- 249 lbs

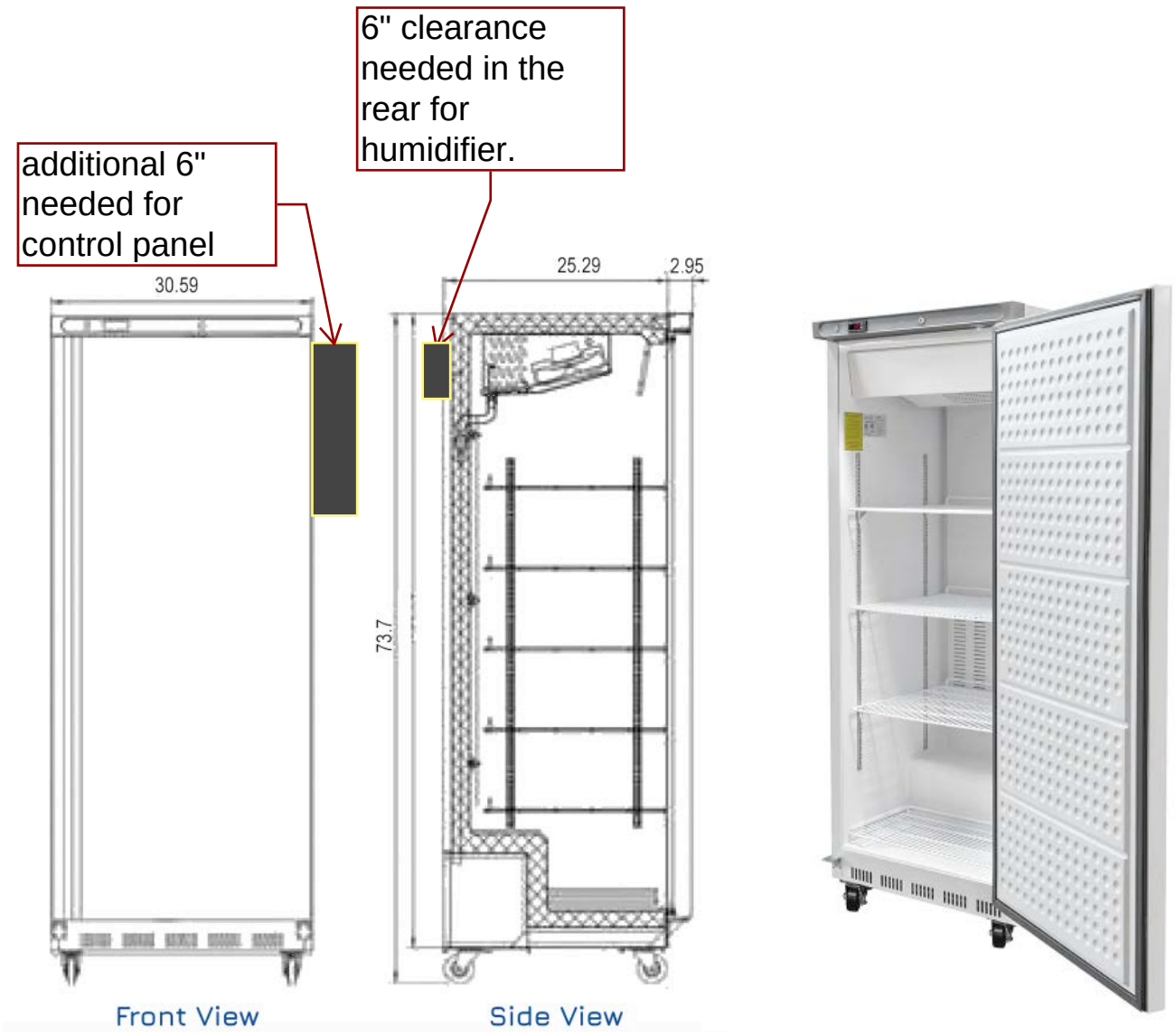
*Specifications are based on 20°C ambient and standard voltage. Specifications are subject to change without notice.

Chamber options:

- Chart recorder
- Additional shelving
- Outlets
- Extended temperature ranges
- RO/DI water filtration system
- Water carboy
- Dehumidifier

Chamber features:
This is an incubator chamber with optional humidity and light control. This is a modular chamber that can be used for wide variety of applications and industries.

Chambr includes door lock and pre-installed casters capable of supporting 150-200lbs per caster.
Chamber uses thermoelectric assembly for heating and cooling. This type of cooling/heating system completely eliminates need for conventional refrigeration system and failures due to mechanical components such as compressors thereby drastically increasing the life expectancy of each chamber. Maintenance cost is also lowered by the thermoelectric/Peltier driven heating/cooling system. The chamber is quiet in operationChamber temperature set points are tightly controlled using programmable Fuji or watlow model PID controller.
Chamber standard features also include industry standard programmable JVR light timer or equivalent. Chamber has 2-3' led lights Natural 5500k,1080 lumens each,3.4 watts per ft. Customer specified led lights can be added at no cost.
Humidity system: Humidity control is optional. Humidity range is achieved via additive ultrasonic humidification, a controller with with factory calibrated %RH sensor. Humidifier is installed typically in the rear of the chamber and can be easily serviced or replaced. RO/DI system is recommended but not required as long as the water quality specification is met. Tap water should be fine. The humidifier comes with a 15’ ¼” poly tube, shut off valve and quick disconnect fittings as well as a fitting to connect to water faucet.
Water quality specification:
Water conductivity greater then 0.1 µS,TDS of < 10 ppm and works in operating pressure range from 10psi to 80 psi"



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