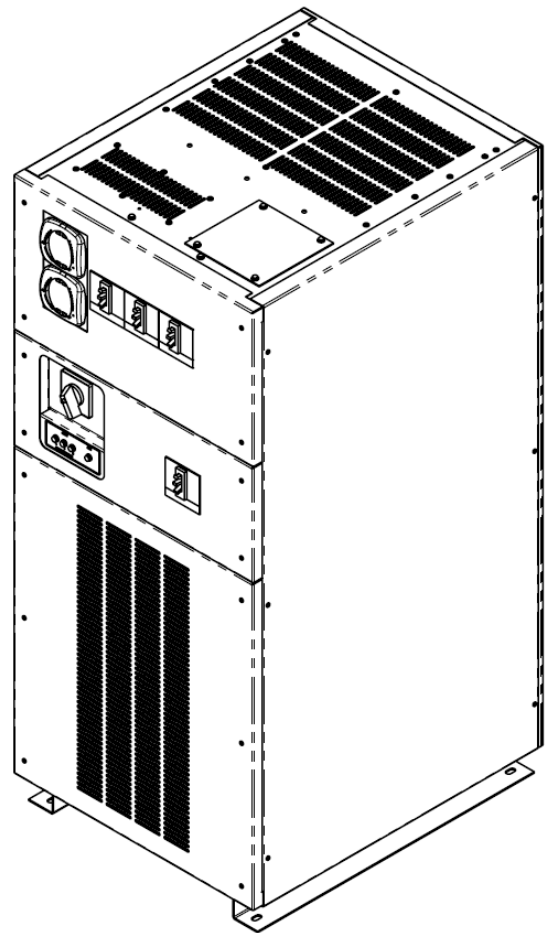


37.5KVA, 60HZ  
480V Input  
120/240V Output

Three-Phase Automatic Voltage Regulator  
Imaging and Treatment Series



## INTRODUCTION

The Series 700F/M Power Processor offers significant advantages over competing products. Providing superior load regulation and proven performance that extends the life of your medical equipment. Our Model 700F/M assures steady, regulated-voltage of  $\pm 2\%$ .

## Key Features

- Front-access design (no side/rear clearance required)
- Microprocessor-controlled 7-tap voltage regulation
- Tight output voltage regulation ( $\pm 2\%$  within one cycle)
- Triple-shielded isolation transformer for noise suppression
- Internal manual bypass option maintains system continuity
- High surge capability without automatic bypassing
- Low output impedance reduces voltage distortion
- High efficiency design reduces operating costs
- Operating Modes:  
Normal - regulated, conditioned power output  
Bypass - maintains power flow without regulation

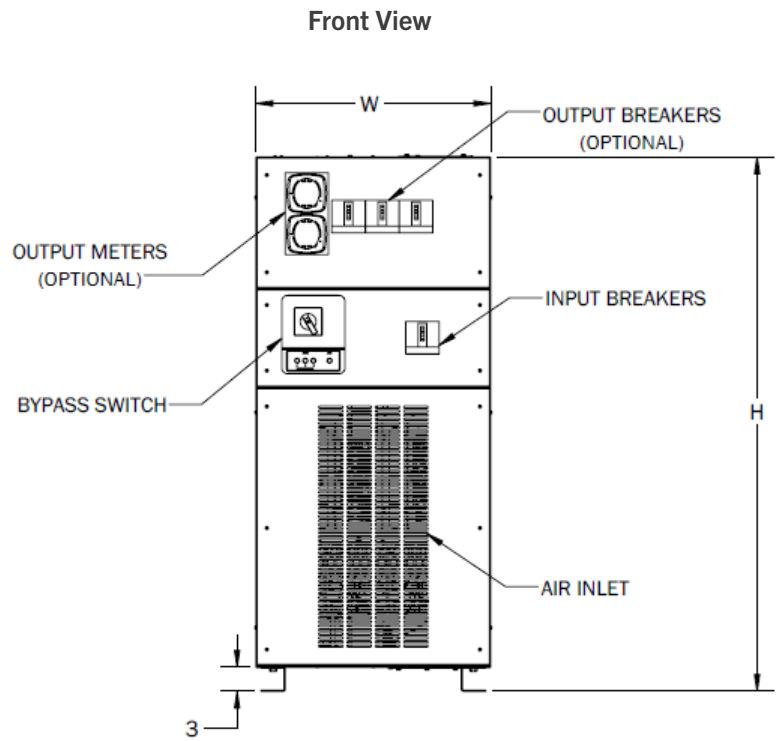
## SPECIFICATIONS

Power	
Input	480V (37.5 kVA)
Operating Range	+10% / -20% from nominal
Power Factor	>0.99 (resistive load)
Output	120V/240V
Regulation	$\pm 3\%$ typical
Response Time	<1/2 cycle
Load Regulation	<2% typical (no-load to full-load)
Correction Time	1 cycle
Overload Capability	200% for 10 seconds
	1000% for 1 cycle
Efficiency	96–97% typical (model and load dependent)
Frequency	60 Hz $\pm 3\%$ Hz
Noise Attenuation	Common Mode: 146 dB
	Transverse Mode: 40 dB/decade attenuation
Transient Protection	Meets ANSI C62.41 Category B-3
Cooling	Forced air (bottom intake, top exhaust)

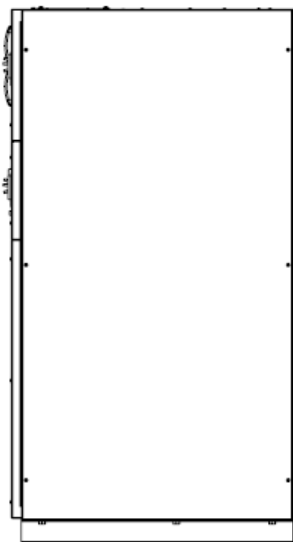
## DIMENSIONAL DRAWINGS

(in Inches)

	Height	Width	Depth
Small Frame (10kVa-30kVa)	59	29	24
Medium Frame (30kVA-75kVA)	66	29	35
Large Frame (75kVA-150kVA)	76	35	35



**Side View**



**Top View**

