

## BALLAST SPECIFICATIONS

# 450W M144

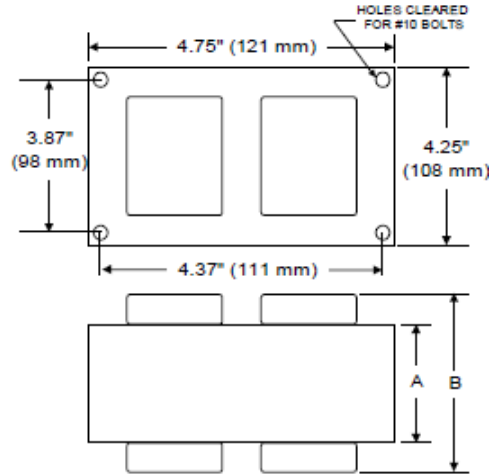
## Pulse Start Metal Halide

### S450M-4/PS

### 60 Hz CWA

Input Volts	120	208	240	277
Line Current ( Amps )				
Operating	4.40	2.50	2.20	1.90
Open Circuit	1.50	0.85	0.75	0.65
Starting	4.00	2.30	2.00	1.70
Recommended Fuse (Amps)	11	7	6	5
Regulation				
Line Volts	±10%	±10%	±10%	±10%
Lamp Watts	±10%	±10%	±10%	±10%
Temperature Ratings				
Insulation Class	180 (H)	180 (H)	180 (H)	180 (H)
Coil Temperature Code	C	D	D	D
Benchtop Coil Rise	83.7	85.2	85.4	88.1
Power Factor (Min)	90%	90%	90%	90%
Input Watts	507 W	507 W	507 W	507 W
Efficiency	89%	89%	89%	89%
NOM. Open Circuit Voltage	260	260	260	260
Input Voltage At Lamp Dropout	70	120	140	160
Min Ambient Starting Temp	-20°F/ -30°C	-20°F/ -30°C	-20°F/ -30°C	-20°F/ -30°C
60 Hz TEST PROCEDURES				
High Potential Test (Volts)				
1 Minute	2,000 V	2,000 V	2,000 V	2,000 V
1 Second	2,500 V	2,500 V	2,500 V	2,500 V
Open Circuit Voltage Test (V)	235 – 285	235 – 285	235 – 285	235 – 285
Short Circuit Current Test (A)				
Min	4.20	4.20	4.20	4.20
Secondary Current				
Max	5.15	5.15	5.15	5.15
Min	3.20	1.85	1.60	1.40
Input Current				
Max	4.80	2.75	2.40	2.10
CORE and COIL Specifications				
Dimension (A)	2.30	2.30	2.30	2.30
Dimension (B)	4.20	4.20	4.20	4.20
Weight	12.4 lbs	12.4 lbs	12.4 lbs	12.4 lbs
Lead Lengths	12"	12"	12"	12"
Capacitor Requirement				
Microfarads	32.0 uf	32.0 uf	32.0 uf	32.0 uf
Volts (Min)	300 V	300 V	300 V	300 V

### 4X4 CORE – HX, CWA & CWI UNITS



Capacitor: CA32330DL

Ignitor: SMH-2

Microfarads: 32.0 uf  
 Volts (Max): 330 V  
 Case Temp (Max): 100 °C  
 Height (Max): 4.68 in  
 Dia (Max): 1.61 in

Case Temp (Max): 105 °C  
 BTL Distance (Max): 2 ft

