



**BALLAST SPECIFICATIONS**

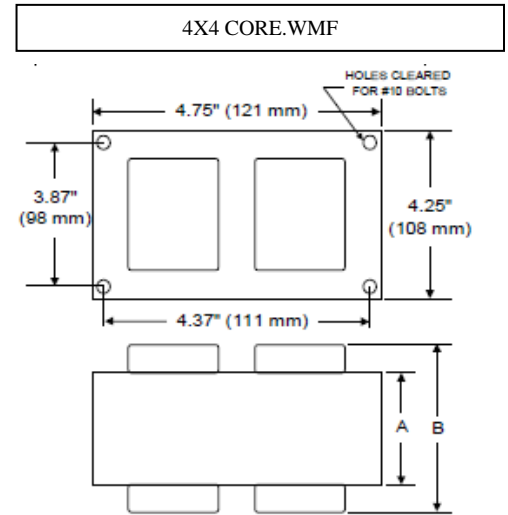
**400W M59**

**Metal Halide**

**S400M-4**

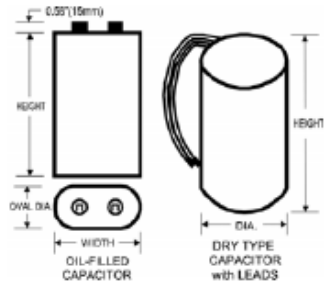
**60 Hz CWA**

Input Volts	120	208	240	277
Line Current ( Amps )				
Operating	4.00	2.30	2.00	1.75
Open Circuit	3.50	2.00	1.75	1.50
Starting	2.80	1.60	1.40	1.20
Recommended Fuse (Amps)	10	6	5	5
Regulation				
Line Volts	±10%	±10%	±10%	±10%
Lamp Watts	±9%	±9%	±9%	±9%
Temperature Ratings				
Insulation Class	180 (H)	180 (H)	180 (H)	180 (H)
Coil Temperature Code	D	D	E	E
Benchtop Coil Rise	88.6	89.9	90.8	92.5
Power Factor (Min)	90%	90%	90%	90%
Input Watts	458W	458W	458W	458W
Efficiency	87%	87%	87%	87%
NOM. Open Circuit Voltage	300	300	300	300
Input Voltage At Lamp Dropout	52	90	105	120
Min Ambient Starting Temp	-20°C/ -30°F	-20°C/ -30°F	-20°C/ -30°F	-20°C/ -30°F
60 Hz TEST PROCEDURES				
High Potential Test (Volts)				
1 Minute	1,600 V	1,600 V	1,600 V	1,600 V
1 Second	1,900 V	1,900 V	1,900 V	1,900 V
Open Circuit Voltage Test (V)	270-330	270-330	270-330	270-330
Short Circuit Current Test (A)				
Min	3.45	3.45	3.45	3.45
Secondary Current				
Max	4.25	4.25	4.25	4.25
Min	2.20	1.25	1.10	0.95
Input Current				
Max	3.40	2.00	1.70	1.45
CORE and COIL Specifications				
Dimension (A)	2.00 in	2.00 in	2.00 in	2.00 in
Dimension (B)	3.90 in	3.90 in	3.90 in	3.90 in
Weight	10.7 lbs	10.7 lbs	10.7 lbs	10.7 lbs
Lead Lengths	12"	12"	12"	12"
Capacitor Requirement				
Microfarads	24.0 uf	24.0 uf	24.0 uf	24.0 uf
Volts (Min)	360 V	360 V	360 V	360 V



Capacitor: CA24400 / CA24400DL      Ignitor: None

Microfarads: 24.0 uf    24.0 uf  
 Volts (Max): 400 V    400 V  
 Case Temp (Max): 100 °C    100 °C  
 Height (Max): 3.19 in    4.68 in  
 Dia (Max): 1.97 in    1.82 in  
 Oval Width (Max): 2.97 in



**This Ballast Does Not Require An Ignitor**

