



Searchlight Type: SEEMATZ EFN525XBO230V1000W MOTOR 230V PSFc			Date:
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Datasheet Searchlight



Type: EFN525XBO2301000

Electrical data: 230V 1000W PSFc

Construction features :

Case and all other aluminium parts are made of ALMg3, non magnetic.

Reflector:

Purest aluminium 99,99%, anodized, polished, diameter 420mm,

Front Pane:

Bi-Veteral glas, resistant to temperature changes

Sealing:

Seal for front Pane: silicone tube
Seal for plug-in unit: square bar rubber

Lampsocket:

Brass based on rubber pads
Cathode PSFc 25-14
Anode PSFc 15-14

Electrical Equipment:

High Voltage ignition set, Voltage 30kV
Xenon high pressure Lamp 1000W
Burning Position horizontal
Bimetal thermostat +25°C
Heating element of refined steel (if installed) 400VA-230V
Connection Cable for heating silicone strand
Connection Cable for lamp silicone strand

Power supply unit type VG 450 IP24 (seperate case):

Case of steel sheet 500 x 500 x 300 mm
Transformer 1 ph 230V 1200VA-50/60Hz
Minus heat shink with 2 diodes, based on bounded rubber pads
Plus heat shink with 3 diodes, based on bounded rubber pads
6 charging capacitors, 33.000µF
Filter reactor in DC Way
2 starting contacts
1 temperatur limiter

Technical data Xenonlamp:

Power 1000W
Voltage 65-100VDC
Operating voltage approx. 22VDC
Current intensity approx. 45A
Luminous flux 45000cd/cm²
Average burning life 2000 Hours

Searchlight:

DIN-Range at 1 Lux max 6200 m
IES-Range at ¼ Lux max 14800 m
Beam with at 50 % I_{max} 2.5°
Light spot size at target ± 270 mØ
Power input with heating 220V 1400 VA
Protective System IP 56
Temperature after a burning time of 15 minutes at 20°C ambient temperature 40°C

Motor control:

Power 500 VA
Voltage 230 V

