



Searchlight Type: SEEMATZ EFN463XBO230V450W MOTOR 230V PSFa			Date:
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Datasheet Searchlight



Type: EFN463XBO230450

Electrical data: 230V 450W PSFa

Construction features :

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

Reflector:

Purest aluminium 99,99%, anodized, polished, diameter 360mm,

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 teflon plate with screw spindle
Cathode PSFa 20-10
Anode PSFa 20-8

Electrical Equipment:

High Voltage ignition set, Voltage 35kV
Xenon high pressure Lamp 450W
Burning Position horizontal
Bimetal thermostat +25°C
Heating element of refined steel (if installed) 400 VA-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 400 x 450 x 210 mm
Transformer 1 ph 230V 550VA-50/60Hz
Minus heat shink with 5 diodes, based on bounded rubber pads
Plus heat shink with 5 diodes, based on bounded rubber pads
2 charging capacitors, 33.000µF
Filter reactor in DC Way
2 starting contacts
2 temperatur limiters

Technical data Xenonlamp:

Power 450W
Voltage 75-80VDC
Operating voltage approx. 18VDC
Current intensity approx. 25A
Luminous flux 35000cd/cm²
Average burning life 2000 Hours

Searchlight:

DIN-Range at 1 Lux max 4000 m
IES-Range at ¼ Lux max 8000 m
Beam with at 50 % I_{max} 2°
Light spot size at target ± 140 mØ
Power input with heating 220V 850 VA
Power input with heating 24 V 1000 VA
Protective System IP 56
Temperature after a burning time of 15 minutes at 20°C ambient temperature 40°C

Motor control:

Power 100 VA
Voltage 230 V

