



Searchlight Type: SEEMATZ EFN525XBO230V1600W MOTOR 230V Sfa			Date:
Drawn: B.Derks TTTBV	Approved:	Sign:	 THEUNISSEN <small>TECHNICAL TRADING BV</small>
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Datasheet Searchlight



Type: EFN525XBO2301600

Electrical data: 230V 1600W Sfa

Construction features :

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

Reflector:

Purest aluminium 99,99%, anodized, polished, diameter 395mm,

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 Sfa 27-12
Anode Sfa 27-10

Electrical Equipment:

High Voltage ignition set, Voltage 35kV
Xenon high pressure Lamp 1600W
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 3 ph 400V 1800VA-50/60Hz
Minus heat shink with 6 diodes, based on bounded rubber pads
Plus heat shink with 7 diodes, based on bounded rubber pads
6 charging capacitors, 47.000µF
Filter reactor in DC Way
3 starting contacts
2 temperatur limiter

Technical data Xenonlamp:

Power 1600W
Voltage 80-90VDC
Operating voltage approx. 24VDC
Current intensity approx. 65A
Luminous flux 65000cd/cm²
Average burning life 2000 Hours

Searchlight:

DIN-Range at 1 Lux max 10800 m
IES-Range at ¼ Lux max 19880 m
Beam with at 50 % I_{max} 1.5°
Light spot size at target ± 3800 mØ
Power input with heating 220V 2800 VA
Protective System IP 56
Temperature after a burning time of 15 minutes at 20°C ambient temperature 50°C

Motor control:

Power 400 VA
Voltage 230 V

