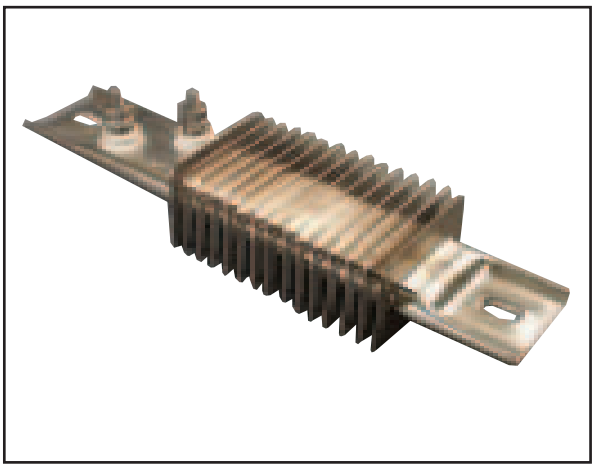
FINNED STRIP HEATERS

308-092, 093 & 173

FEATURES

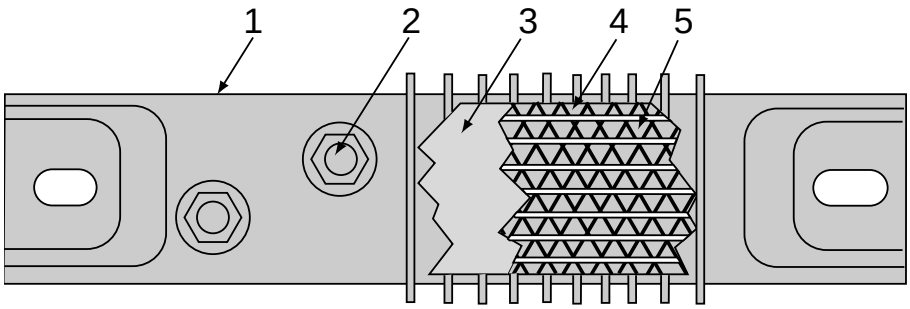
- Seamless stainless steel sheath.
- Post terminals.
- Ceramic element support.
- Element wire situated in close proximity to outside surface for maximum heat transfer and minimum internal temperature while preserving good dielectric qualities.
- Magnesium oxide packing.
- Aluminum fins offering maximum radiating surface providing for rapid Heat transfer to the surrounding medium. Stainless steel fins are available for corrosive environments. Aluminum fins are standard.
- U.L. Recognized - E56973 C.S.A. Certified - LR-16386



APPLICATIONS

- Air Heating
- Air Ovens
- Load Banks

CONSTRUCTION



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2. Post terminals
3. Ceramic element support.
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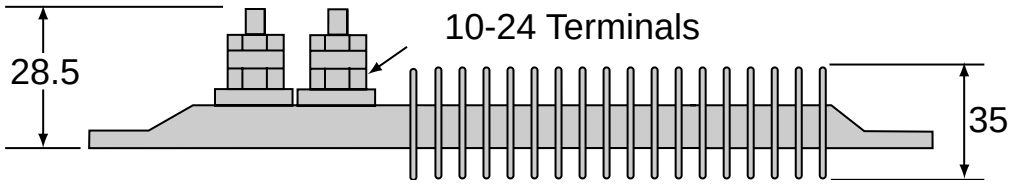
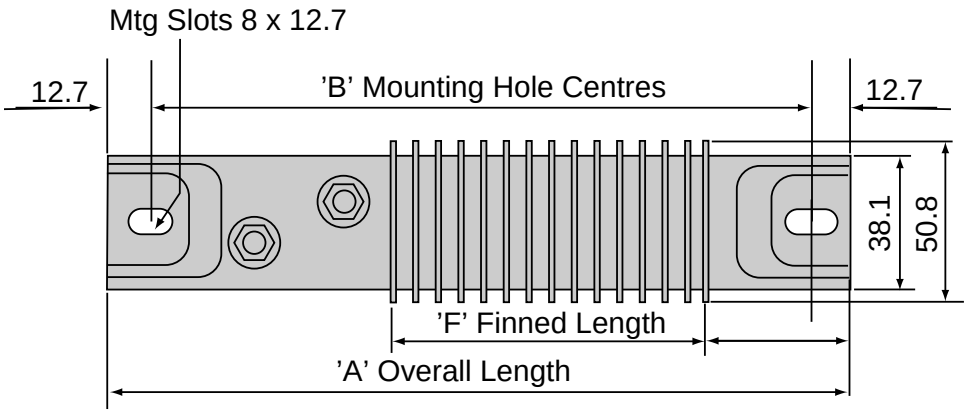




Catalogue Number	"A"	"B"	"F"	Min Watts	Max Watts
FS-8	203.2	177.8	82.55	50	475
FS-10.5	266.7	241.3	146.05	50	785
FS-12	304.8	279.4	196.85	50	1000
FS-14	355.6	330.2	247.65	50	1300
FS-15.2	387.35	361.95	266.7	50	1500
FS-18	457.2	431.8	336.55	50	1890
FS-19.5	495.3	469.9	374.65	50	2135
FS-21	533.4	508	412.75	50	2360
FS-23.7	603.25	577.85	482.6	50	2775
FS-25.5	647.7	622.3	527.05	50	3000
FS-26.7	679.45	654.05	558.8	50	3225
FS-30.5	774.7	749.3	654.05	75	3780
FS-33.5	850.9	825.5	730.25	75	4230
FS-35.7	908.05	882.65	787.4	75	4320
FS-38.5	977.9	952.5	857.25	100	4320
FS-42.5	1079.5	1054.1	958.85	100	4320

- Maximum wattage limited by 18 amp maximum at 240 volts for catalogue numbers FS35.7 and longer. Any wattage is available between minimum and maximum without effecting price.
- Any length of heater can be ordered. Details above for indication only.

AIR TYPE

Type Of Air	Ft/Min	°F	Max Watts/ Sq. in
		Up to 300°F	
Still		300°F-	20
Still		600°F	16
Still		600°F-	10
		800°F	
Moving	600	Up to200°F	40
Moving	600	200-400°F	30
Moving	600	400-600°F	20
Moving	1200	Up to200°F	50
Moving	1200	200-400°F	35
Moving	1200	400-600°F	25

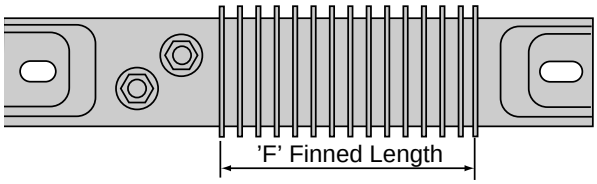
FORMULA FOR DETERMINATION OF WATT DENSITY

Type OF:

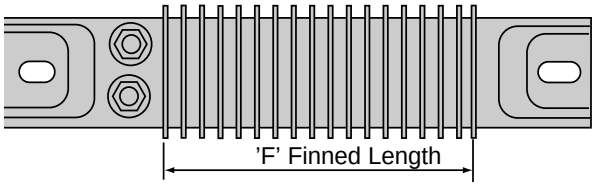
$$\textbf{Watts/sq.in.} = \frac{\text{Total unit wattage}}{\text{F (finned length) x 3}}$$

TERMINATION OPTIONS

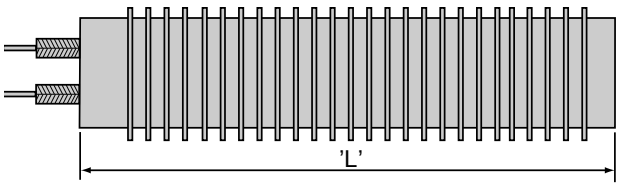
Type OF: Offset at one end



Type SSA: Parallel at one end. Finned length ("F") is 19mm longer

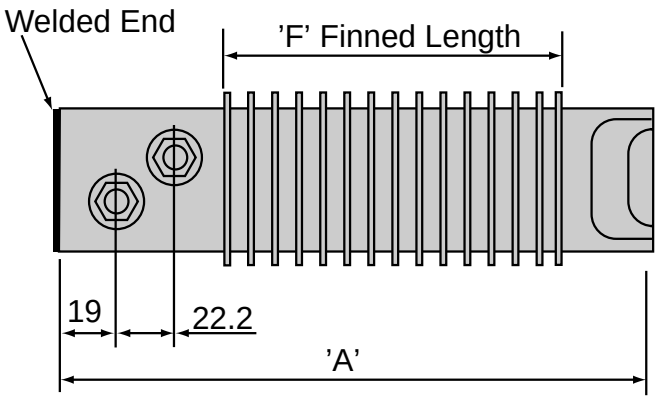


Type SF-1: Flexible high temperature insulated leads. Specify length (L). Opposite end of unit may be standard closure with mounting hole or any of the optional closures. Suitable for use to 480V.



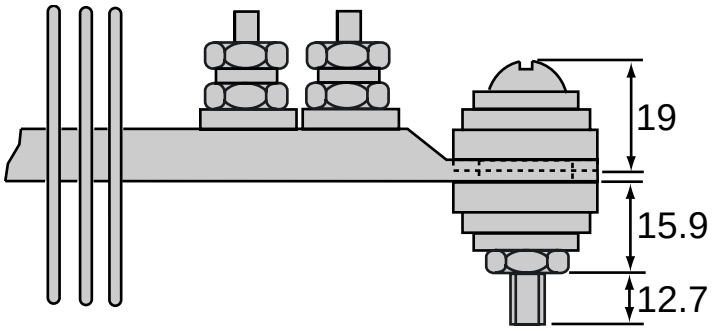
OPTIONAL END CLOSURES

XS-54: Blunt end. Welded each end with no mounting holes. May be used with Type OF or SSA terminals. Finned length (“F”) is 76mm longer.

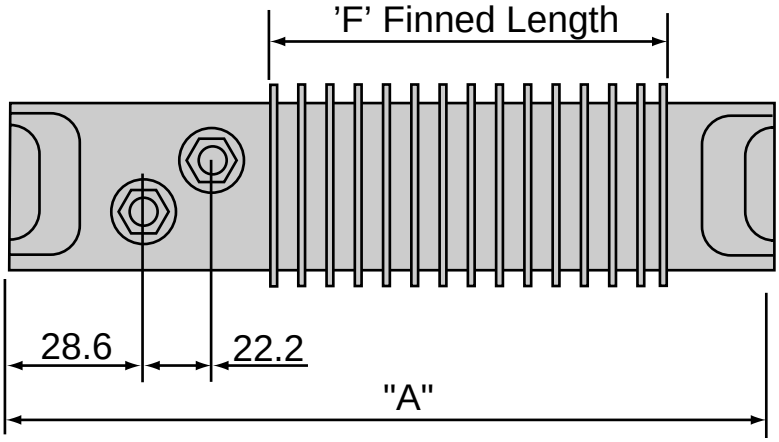


XS-83: Short crimp. At each end with no mounting holes. May be used with Type OF or SSA terminals. Finned length(“F”) is 25.4mm longer.

XS-84: Secondary insulating bushings. Required when units are connected in series on voltages above 300V. Sheath must be isolated. Requires enlarged (12.7 mm x 19mm) mounting hole each end. May be used with Type OF or SSA



XS-85: Stainless steel fins. For use in corrosive environments



TOLERANCES

Length: Up to 610mm, ±1.585mm
610mm and over, ±3.125mm
Wattage tolerances are held +5%, -10% at rated voltage.