Reflector & Feed Electrical Anti-Icing System

Specifications

SYSTEM SIZE	APERTURE APPLICATION	BACK COVER	WATTS OPERATING 120 VAC	WATTS OPERATING 240 VAC	CURRENT 120 VAC	CURRENT 240 VAC
1.2 M 0.6 f/d	Half Aperture	Half Cover	217	239	1.8 amps	1.0 amps
1.2 M 0.8 f/d	Half Aperture	Full Cover	310	309	2.6 amps	1.3 amps
1.8 M 0.6 f/d	Half Aperture	Half Cover	477	536	4.0 amps	2.2 amps
1.8 M 0.8 f/d	Half Aperture	Half Cover	558	559	4.7 amps	2.3 amps
2.4 M 2-Piece	Half Aperture	Half cover	763	776	6.4 amps	3.3 amps
2.4 M 4-Piece	Half Aperture	2 Quad Cover	895	896	7.4 amps	3.7 amps
3.8 M 4-Piece	Half Aperture	2 Quad Cover	N/A	2354	N/A	9.8 amps
0.74 M Ellip	Half Aperture	2 Quad Cover	163	2260	1.4 amps	9.5 amps
0.98 M 0.8 f/d	Half Aperture	Half Cover	163	N/A	1.4 amps	N/A
1.0 M 0.6 f/d	Half Aperture	Half Cover	163	N/A	1.4 amps	N/A
1.2 M 0.8 f/d	Half Aperture	Half Cover	286	N/A	2.4 amps	N/A

*Other Sizes Available

The CPI Satcom & Antenna Technologies Inc. (CPI SAT) Anti-Iced Antennas have power densities of approximately 35 watts per sq. ft. of heated surface utilizing the "blanket" resistive wire technique.

The Moisture/Temperature version is an automatic system that will activate heaters when the temperature falls below about 38 degrees Fahrenheit (3 C.) and sufficient moisture is present to permit the formation of solid precipitants. These features are cost savings driven so that power is applied only when atmospheric conditions warrant.

Systems include a selector switch permitting the operator to energize the heaters at any time, or to disable (turn off) the automatic feature at discretion.

Systems with Temperature only controls activate heaters at about 38 degrees Fahrenheit and remain on until temperatures rise above 45 degrees Fahrenheit.